Volume

#

R0546

4—879
(September 1946)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

A 546

FIELD NOTES

Of the ..... *Meridian,*

In the State of .....

EXECUTED BY

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Under special instructions dated ....., *19*....., *which provided for the surveys included under Group No.* ....., *approved* ..... *and assignment instructions dated* ....., *19*.....

Survey commenced ....., *19*.....

Survey completed ....., *19*.....

INDEX DIAGRAM

Township 26 South, *Range* 5 East

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19	20	21	22	23	24
30	29	28	27	26	25
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GPO 866119

4—GTD
(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

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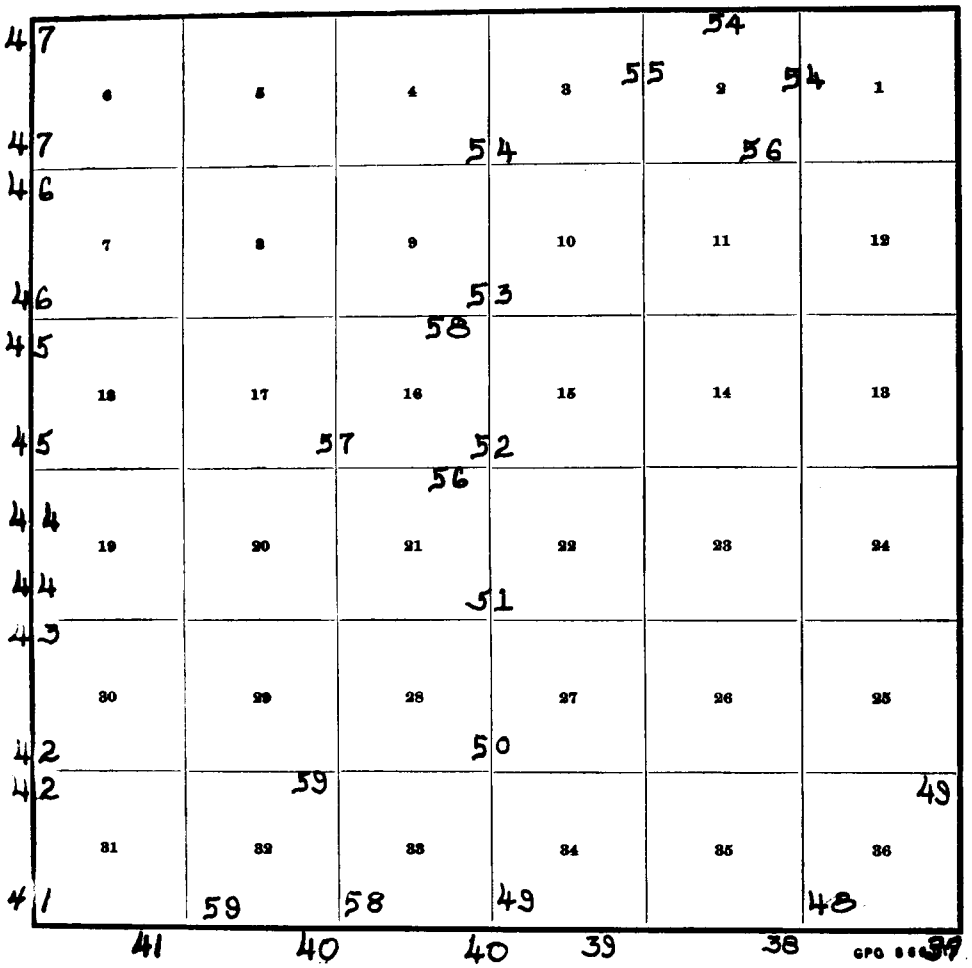
Township 26 South, *Range* 6 East



4—979
(September 1962)

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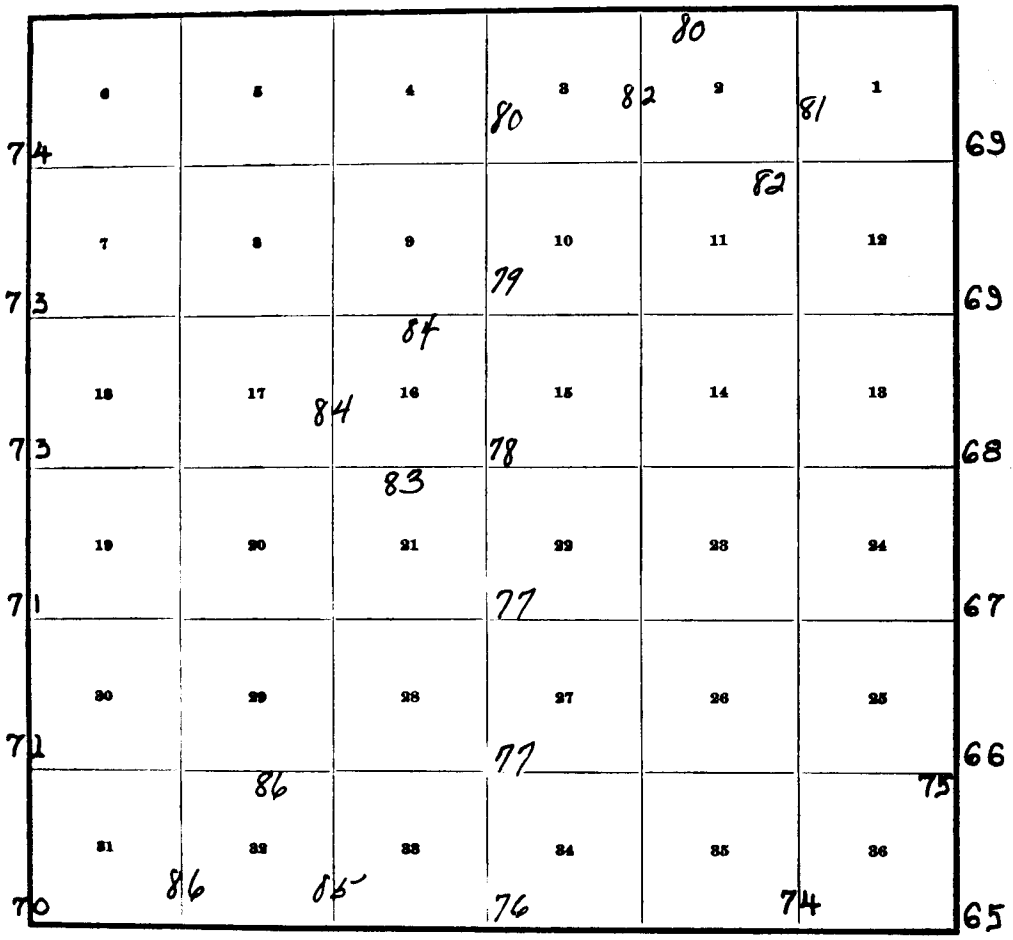
Township 26 South, *Range* 7 East



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7	8	9 143 148	10	11	12
18	17 147	16 142 147	15	14	13
19	20	21 141	22	23	24
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31 150	32 149	33 140	34	35 138	36

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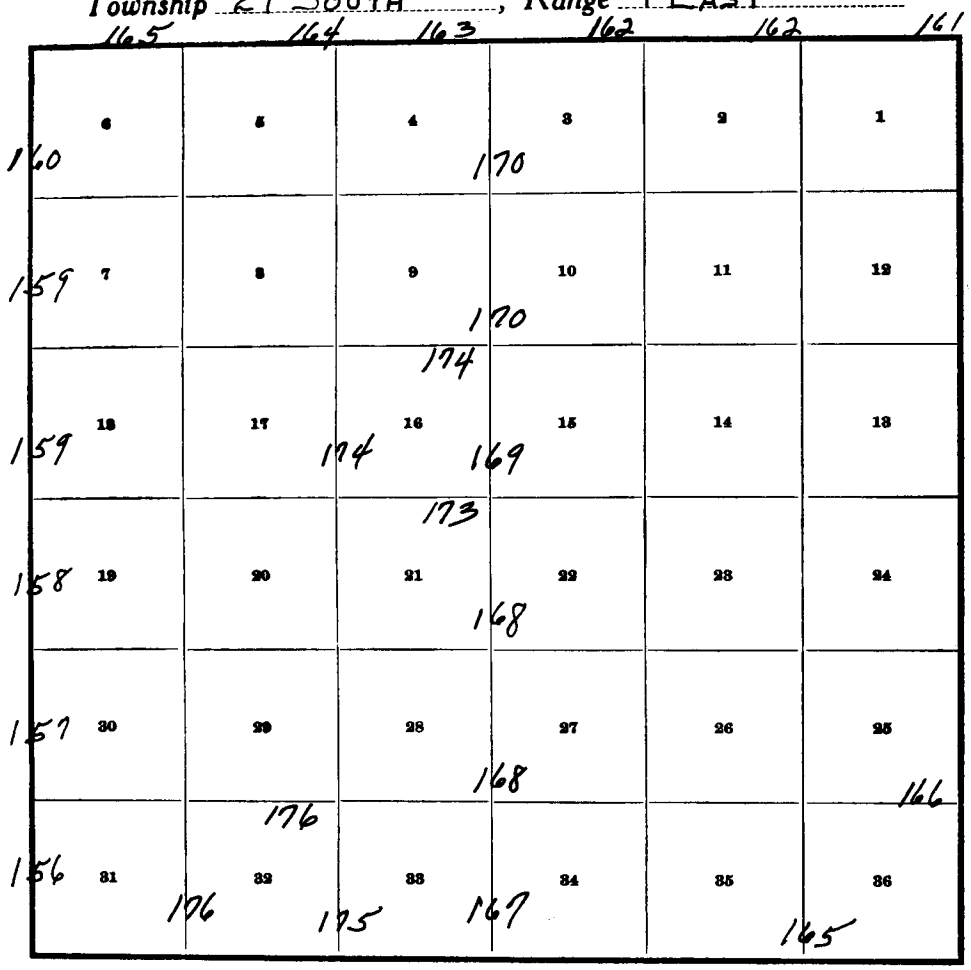

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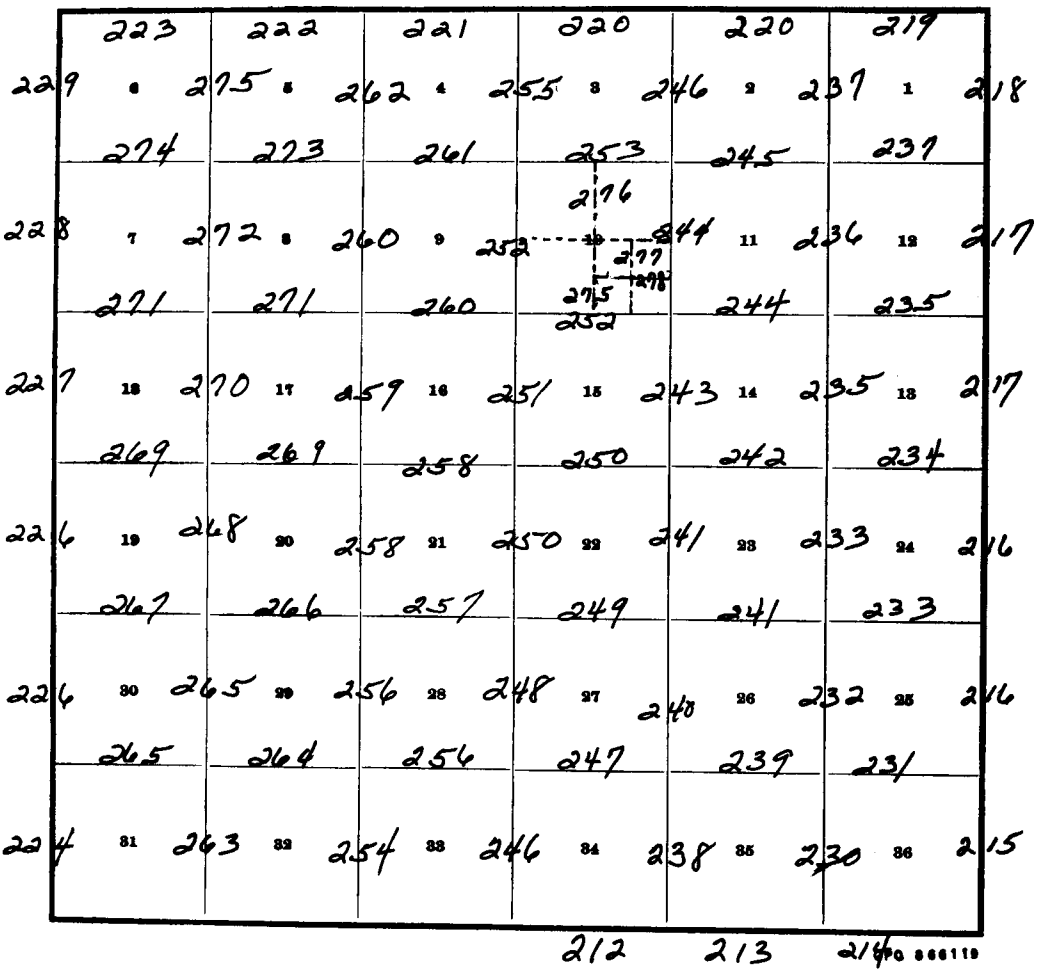
Township 27 SOUTH, Range 9 EAST



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315 313 312

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19 302	20	21	22	23	24
30 302	29	28	27	26	25
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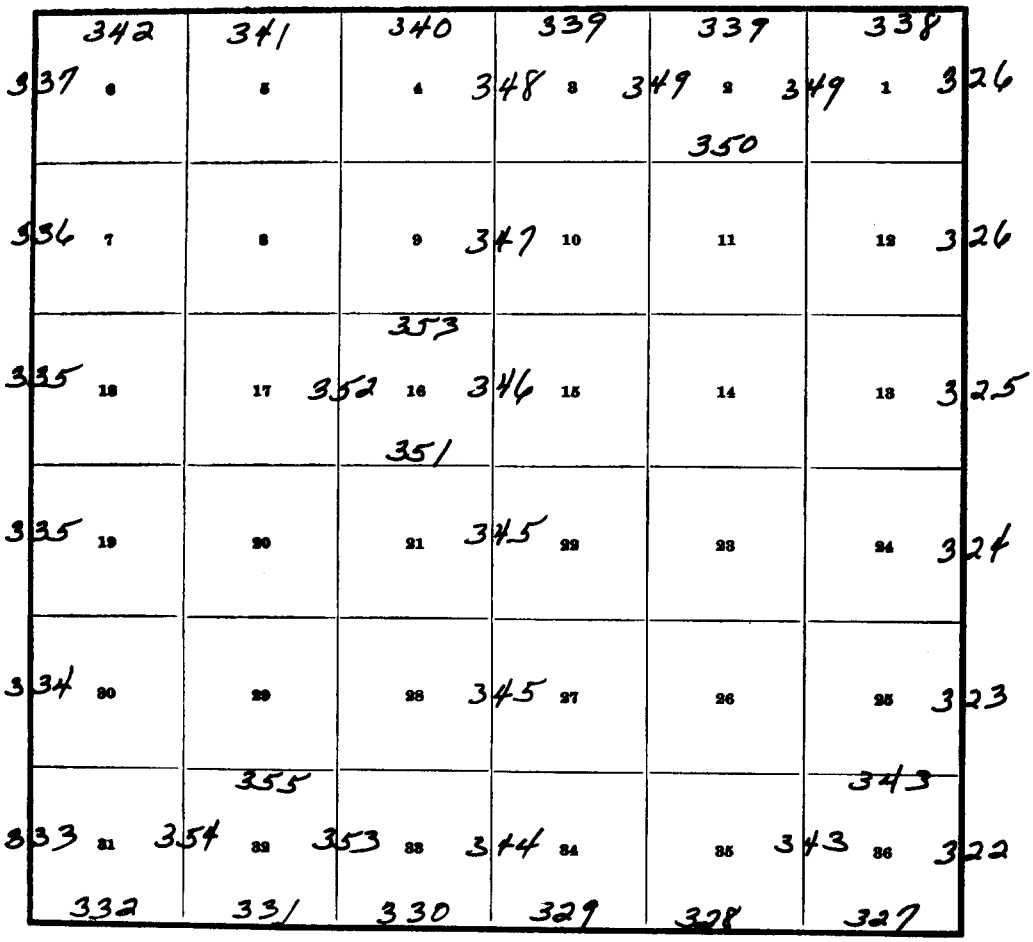

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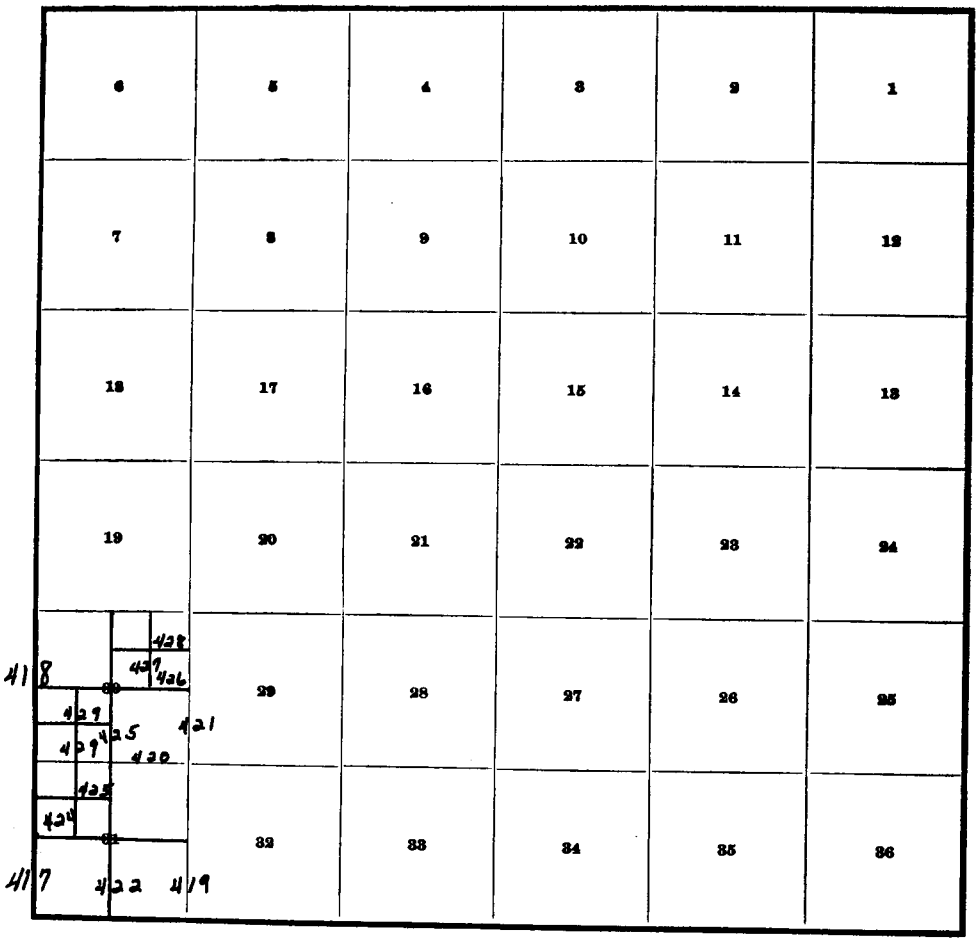

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Subdivision of Sec. 14. Pgs. 443 to 448

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7	8	9	10	11 459	12 455
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7	8	9	10	11	12
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30	29	28	27	26	25
31	32	33	34	35	36

GPO 866118

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Dependent Resurvey of Portion of North Boundary

or

Fifth Standard Parallel South

and

Portions of East Boundary, and Subdivision

and

Survey of Portion of Subdivision

of

Township 26 South, Range 5 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated April 15, *19* 55, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* July 30, *19* 56

Survey commenced August 6, *19* 56

Survey completed September 14, *19* 56

U. S. GOVERNMENT PRINTING OFFICE 16—86770-1

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Township 26 South, *Range* 5 East

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7	8	9	10 7	11 6	4 12 4
18	17	16	15	14	13
19	20	21	22	23	24
30	29 11	28	27	26	25
31	10 32	10 33	34	35	36

16—56770-1

1928

Chains

The north boundary (Fifth Standard Parallel South), was originally surveyed by Ferdinand Dickert in 1878. The west 2 miles, and the east 1½ miles were resurveyed by Elliot Bird in 1938. The south and west boundaries were originally surveyed by A. D. Ferron and A. Jessen in 1892; also the east boundary and a portion of the subdivision in 1895. The south boundary was resurveyed by Elliot Bird and A. C. Alberga in 1939. The east boundary was resurveyed by Kenneth Hansen in 1955.

The following notes are of the subdivision considered sufficient in extent to facilitate the development of the natural resources and to identify the boundaries of sections 2 and 32, normally considered as State school land, and also sections 1, 11, and 12. The corners along the latitudinal section lines were established on true latitudinal curves and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided.

The survey was executed with a Gurley solar transit No. 41442, property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved solar attachment. The horizontal plate is provided with two double verniers placed opposite to each other and the vertical circles have one double vernier. The vertical vernier is graduated to single minutes, and the horizontal verniers to 30 seconds of arc. Since the solar attachment was not used, no description of it will be included here. The instrument was in good adjustment and prior to the beginning of the field work was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The measurements were made with steel ribbon tapes, 8 chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were tested by comparison to a Lufkin standard steel tape 1 chain in length and found to be correct. The measurements were made on the slopes and the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents which appear in these notes. In most cases the measurements were determined by chaining but in some instances they were obtained by triangulation or traverse. The details of the latter were verified and the true line distances only were recorded in these field notes.

The direction of the lines of the survey were determined by reference to true meridians established on line by direct observation on the sun. The lines were carried forward as transit lines and were checked by succeeding observations.

The geographic position of the southeast corner of the township is as follows: Latitude 38° 29' 53" N.; Longitude 111° 18' 18" W., determined from section line ties to U. S. Coast and Geodetic Survey station "Jeffery", located in sec. 32, T. 26 S., R. 5 E. The mean magnetic declination was found to be 15° 35' E.

Dependent Resurvey of Portion of Fifth Standard Parallel South
on the South Boundary of T. 25 S., R. 5 E.

Chains	
	Reestablishment of Surveys Executed by Ferdinand Dickert in 1878
	From the standard ¼ sec. cor. of sec. 35, T. 25 S., R. 5 E., which is marked by an iron post, 2½ ins. diam., set, marked and witnessed as described in the official record.
	N. 85° 45' W., along the S. bdy. of sec. 35.
	Over rolling desert land.
8.50	Asc. 200 ft. over sandstone outcroppings on E. slope.
13.60	Rim, bears E. and W.; thence over sandstone outcroppings.
39.99	The original sec. cor. of secs. 34 and 35, marked by a sandstone 19 x 16 x 8 ins., firmly set in center of pile of rocks, and marked with 4 notches on W. and 2 notches on E. sides.
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap marked
	S C T25S R5E S34 | S35 S 3 T26S 1956
	Deposit the original stone alongside the iron post.
	Land, east half, rolling desert; west half, rims and sandstone outcroppings. Soil, sand. Vegetation, bunch grass, Brigham tea and shadscale.
	N. 87° 37' W., along the S. bdy. of sec. 34.
	Over sandstone outcroppings.
4.50	Asc. 40 ft. over NE. slope.
16.80	Narrow saddle, bears N. 25° W. and S. 25° E.; thence desc. 80 ft. over SW. slope.
24.00	Over sandstone outcroppings and sand pockets.
39.29	The original ¼ sec. cor. of sec. 34, marked by a sandstone rock, 20 x 18 x 7 ins., firmly set in the ground and marked ¼ on the N. face.
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked

Dependent Resurvey of Portion of Fifth Standard Parallel South on the South Boundary of T. 25 S., R. 5 E.

Chains	
	S C T25S R5E ¼ S 34 T26S 1956 Bury the original stone alongside the iron post, and raise a mound of stone to N. of cor. Land, rolling desert and sandstone outcroppings. Soil, sand. Vegetation, bunch grass, Brigham tea and shadscale.
	Dependent Resurvey of Portion of East Boundary, T. 26 S., R. 5 E., with Establishment of New ¼ Section Corner of Section 1
	Reestablishment of Survey Executed by A. D. Ferron in 1895 and Resurvey made by Kenneth Hansen in 1955. Note: Reference is made to the record of the 1955 resurvey for topography along this line. From the cor. of secs. 1 and 12, on the E. bdy. of the township, marked by an iron post, 2½ ins. diam., set, marked, and witnessed as described in the official record. N. 0° 04' W., along the E. bdy. of sec. 1.
38.51	The cor. of secs. 6 and 7, T. 26 S., R. 6 E., marked by an iron post, conforming to the record of the 1955 resurvey.
40.00	Point for the ¼ sec. cor. of sec. 1 only. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E R6E ¼S1| 1956
40.45	The cor. originally established as the ¼ sec. cor. of secs. 1 and 6, and remonumented in 1955 as the ¼ sec. cor. of sec. 1 only, marked by an iron post conforming to the record. This point now functions as an angle point. I delete the marks referring to sec. 1 and mark the post "AP".
82.40	The closing cor. for Ts. 26 S., Rs. 5 and 6 E., on the Fifth Standard Parallel South, marked by an iron post conforming to the record. From this point the standard township cor. of Ts. 25 S., Rs. 5 and 6 E., bears West, 6.55 chs. dist.

Chains	
	Reestablishment of Surveys Executed by A. D. Ferron in 1895
	From the cor. of secs. 12 and 13, on the E. bdy. of the township, marked by an iron post, conforming to the record.
	N. 89° 30' W., bet. secs. 12 and 13.
	Over rolling desert.
31.00	Asc. 50 ft. over E. slope.
37.20	Spur, projects N.; thence desc. 30 ft. over W. slope.
40.34	Proportionate distance for the ¼ sec. cor. of secs. 1 and 12, there being no remaining evidence of the original cor. monument.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, with brass cap marked
	T26S R5E ¼ S 12 / S 13 1956
	Over sandstone outcroppings, on N. slope.
61.90	Dry wash, 2.00 chs. wide, 40 ft. deep, drains N. 45° E.; thence asc. 90 ft. on NE. slope.
73.50	Rim, bears N. 70° W. and S. 70° E.; thence over mesa.
80.68	The original cor. of secs. 11, 12, 13, and 14, marked by a stone, 24 x 10 x 10 ins., firmly set in the ground and marked 4 notches on S. and 1 notch on E. faces.
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked
	T26S R5E S11 | S12 S14 | S13 1956
	Land, rolling desert and side hill with N. slope. Soil, sand. Vegetation, bunch grass, yellow top, and shadscale.
	Survey of a Portion of Subdivision, T. 26 S., R. 5 E.
	N. 0° 02' E., bet. secs. 11 and 12.
	Over mesa.
2.20	Desc. 160 ft. over N. slope of rim.
17.00	Over rolling desert.
20.90	Birch Creek, 60 lks. wide, 3 ft. deep, drains N. 40° E.

Survey of a Portion of Subdivision, T. 26 S., R. 5 E.

Chains	
24.70	Barbed wire fence, bears E. and W.
37.40	Dry wash, 20 lks. wide, 3 ft. deep, drains N. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E ¼ S11 | S12 1956 Over rolling desert.
41.30	Dry wash, 50 lks. wide, 3 ft. deep, drains S. 60° E.
52.80	Graded road, bears N. 40° E. and S. 40° W.
80.00	Point for the cor. of secs. 1, 2, 11, and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E S2 | S1 S11 | S12 1956 Land, rolling desert. Soil, sand. Vegetation, bunch grass, yellow top, and shadscale.
	From the cor. of secs. 1 and 12, on the E. bdy. of the township, marked by an iron post, conforming to the record. N. 89° 50' W., bet. secs. 1 and 12. Over nearly level land.
20.20	Barbed wire fence, bears N. and S.
40.38	Point for the ¼ sec. cor. of secs. 1 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E ¼ S 1 S 12 1956
63.17	Graded road, bears N. 40° E. and S. 40° W.
80.77	The cor. of secs. 1, 2, 11, and 12. Land, level. Soil, sand. Vegetation, scattered bunch grass, yellow top, and shadscale.

Chains	
	N. 0° 02' E., bet. secs. 1 and 2.
6.85	Asc. 240 ft. over nearly vertical sandstone ledge, on S. slope.
13.24	Over narrow mesa, projecting E.
27.43	N. rim, bears E. and W.; thence desc. 240 ft. over steep ledge on N. slope.
34.21	Over nearly level desert.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked

T26S R5E
¼
S2 | S1
1956

72.87	Dry wash, 40 lks. wide, 5 ft. deep, drains E.
82.21	Point for the closing cor. of secs. 1 and 2, on the Fifth Standard Parallel South.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked

T25S R5E
S 36
S2 | S1
C C
T26S R5E
1956

From this cor. point, the original standard cor. of secs. 35 and 36 on S. bdy. of T. 25 S., R. 5 E., bears N. 89° 56' W., 6.05 chs. dist.

Land, level with one mesa on the S. portion.
Soil, sand.
Vegetation, scattered bunch grass, yellow top and shadscale.

Dependent Resurvey of Portion of Subdivision, T. 26 S., R. 5 E.

Beginning at the cor. of secs. 11, 12, 13, and 14.

N. 89° 37' W., bet. secs. 11 and 14.

Over mesa top.

5.50	Rim of mesa, bears N. and S.; desc. 110 ft. over W. slope.
18.50	Dry wash, 30 lks. wide, 10 ft. deep, drains N.; thence over rolling land.
39.46	Birch Creek, 25 lks. wide, 4 ft. deep, drains N. 70° E.
40.08	The original ¼ sec. cor. of secs. 11 and 14, marked by a sandstone 14x12x8 ins., firmly set in the ground and marked ¼ on S. face.

Dependent Resurvey of Portion of Subdivision, T. 26 S., R. 5 E.

Chains	
	At the corner point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E ¼ S 11 / S 14 1956
	Bury the original stone alongside the iron post.
	N. 89° 42' W., bet. secs. 11 and 14, beginning new measurement.
	Over level ground.
8.00	Asc. 130 ft. over sandstone ledges, on E. slope.
16.00	Over sandstone outcroppings.
27.30	Dry wash, 20 lks. wide, 5 ft. deep, drains S. 45° E.
33.30	Wash, 2.00 chs. wide, 40 ft. deep, drains S. 50° E.
39.90	The original cor. of secs. 10, 11, 14, and 15, marked by a sandstone rock, 16x8x8 ins., firmly set in the ground and marked with 2 notches on E. and 4 notches on S. faces.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked T26S R5E S10 | S11 S15 | S14 1956
	Bury original corner alongside the iron post.
	Land, mostly sandstone outcroppings and ledges. Soil, sand. Vegetation, scattered bunch grass, yellow top and shadscale
	N. 0° 02' E., bet. secs. 10 and 11.
	Asc. gentle S. slope.
12.60	Dry wash, 15 lks. wide, 2 ft. deep, drains S. 45° W.
15.00	Asc. 70 ft. over S. slope.
19.00	Over flat land.
25.20	Dry wash, 2.00 chs. wide, 30 ft. deep, drains E.
39.94	The original ¼ sec. cor. of secs. 10 and 11, marked by a sandstone rock, 22 x 12 x 6 ins., firmly set in the ground and marked ¼ on the W. face.

At the corner point

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in mound of stone to top, with brass cap marked

T26S R5E
¼
S10 | S11
1956

Deposit the original stone alongside the iron post.

Survey of Portion of Subdivision, T. 26 S., R. 5 E.

N. 0° 02' E., bet. secs. 10 and 11.

Over level land.

4.10 Desc. 175 ft. over sandstone ledges and outcroppings on N. slope.

18.15 Dry wash, drains E.; thence asc. 180 ft. over sandstone ledges and outcroppings on S. slope.

29.50 Spur, projects E.; thence desc. 75 ft. over N. slope.

33.50 Dry wash, drains S. 30° E.; thence asc. 75 ft. over S. slope.

40.00 Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone to top, with brass cap marked

T26S R5E
S3 | S2
S10 | S11
1956

Land, rolling desert, cut with two large washes.
Soil, sand.
Vegetation, scattered bunch grass, yellow top, juniper and shadscale.

Beginning at the cor. of secs. 1, 2, 11, and 12.

N. 89° 44' W., bet. secs. 2 and 11.

Over level land.

22.90 Asc. 110 ft. over ledges on SE. slope.

30.00 Over sandstone outcroppings.

39.99 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in mound of stone to top, with brass cap marked

T26S R5E
¼ S 2
S 11
1956

Survey of Portion of Subdivision, T. 26 S., R. 5 E.

Chains	
	Over sandstone outcroppings.
51.20	Rim, bears N. and S.; thence over W. slope.
58.85	Dry wash, drains S.; thence asc. 75 ft. over E. slope.
66.80	W. rim, bears E. and W.; thence over sandstone outcroppings.
79.98	The cor. of secs. 2, 3, 10, and 11.
	Land, east portion flat; west sandstone outcroppings and ledges. Soil, sandy on flats. Vegetation, bunch grass, black brush, yellow top, and juniper.

N. 0° 02' E., bet. secs. 2 and 3.

Over sandstone outcroppings.

26.20 Dry wash, 20 lks. wide, 4 ft. deep, drains S. 50° W.

27.00 Asc. 30 ft. on SW. slope of clay spur.

40.00 Point for the ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap marked

T26S R5E
¼
S3 | S2
1956

Continue 30 ft. ascent on SW. slope of spur.

50.50 Top of narrow spur, projecting S. 10° E.; thence desc. 60 ft. on NE. slope.

54.00 Over sandstone flat.

73.00 Asc. 120 ft. over rough sandstone on S. slope.

81.50 Razor back spur, projects E.; thence desc. 80 ft. on N. slope.

84.50 Over sandstone flat.

85.86 Point for the closing cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone and in mound of stone to top, with brass cap marked

T25S R5E
S 35
S3 | S2
C C
T26S R5E
1956

From this cor. the standard cor. of secs. 34 and 35, on the S. bdy. of T. 25 S., R. 5 E. (Fifth Standard Parallel South), which is monumented with a 2½ in. iron post, set, marked, and witnessed as hereinbefore described, bears N. 85° 45' W., 6.28 chs. dist.

Chains

Land, sandstone outcroppings.
Soil, scattered sand and clay.
Vegetation, scattered bunch grass, black brush and shadscale.

Beginning from the cor. of secs. 31 and 32, on the S. bdy. of the township, marked by a 2½ in. iron post, set, marked and witnessed as described in the official record.

N. 0° 04' E., bet. secs. 31 and 32.

Desc. 50 ft. over rocky N. slope.

3.00 Dry wash, drains E.; thence asc. 65 ft. over S. slope.

6.00 Spur, projects E.; thence desc. 120 ft. over sandstone outcroppings on N. slope.

13.00 Dry wash, drains N. 80° E.; thence asc. 120 ft. on SE. slope.

20.00 Over rolling hill country.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in mound of stone to top, with brass cap marked

T26S R5E
¼
S31 | S32
1956

46.50 Dry wash, 2.00 chs. wide, 25 ft. deep, drains N. 80° E.

53.20 Dry wash, 1.50 chs. wide, 10 ft. deep, with bulldozed road in it, drains N. 80° E.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in mound of stone to top, with brass cap marked

T26S R5E
S30 | S29
S31 | S32
1956

from which

A juniper, 15 ins. diam., bears N. 12° E., 57 lks. dist., mkd. T26S R5E S29 BT.

Land, rolling hills, cut with deep washes.
Soil, sand and gravel.
Vegetation, thick juniper and pinon, with scattered undergrowth.

Beginning from the cor. of secs. 32 and 33, on the S. bdy. of the township, marked by an iron post, 2½ ins. diam., set, marked, and witnessed as described in the official record.

Chains	
	N. 0° 04' E., bet. secs. 32 and 33.
	Over rolling hills.
16.50	Dry wash, 4 chs. wide, 20 ft. deep, drains N. 40° E.
20.80	Dry wash, 1.00 ch. wide, 10 ft. deep, drains N. 30° E.
33.00	Dry wash, 5 chs. wide, 28 ft. deep, drains N. 85° E.
38.00	Desc. 30 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in mound of stone to top, with brass cap marked T26S R5E ¼ S32 | S33 1956
	Desc. 30 ft. on N. slope.
43.20	Dry wash, drains S. 45° E.; thence asc. 50 ft. on SW. slope.
46.80	Spur, projects S. 70° E.; thence desc. 200 ft. over sandstone outcroppings into canyon on NE. slope.
59.80	Over canyon bottom, which drains S. 80° E.
69.00	Asc. 400 ft. over sandstone ledges and outcroppings on S. slope.
80.00	Point for the cor. of secs. 28, 29, 32, and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground, and in mound of stone to top, with brass cap marked T26S R5E S29 | S28 S32 | S33 1956
	U.S.C. & G.S. station "Jeffery", latitude 38° 30' 44.861" N., longitude 111° 22' 54.263" W., bears S. 85° 42' W., 9.46 chs.
	Land, rolling hills, canyons and ledges. Soil, sand. Vegetation, thick juniper and pinon in south portion, scattered bunch grass and black brush in north portion.
	N. 89° 55' W., bet. secs. 29 and 32.
	Asc. 100 ft. over sandstone outcroppings on SE. slope.
5.80	Rim, bears N. 60° E. and S. 60° W.; thence 40 ft. over gentle E. slope.
39.91	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap marked

Chains	
	T26S R5E ¼ S 29 S 32 1956
	from which
	A pinon, 6 ins. diam., bears S. 6° E., 91 lks. dist., mkd. ¼ S32 BT.
	Asc. 50 ft. over gentle east slope.
48.70	Bulldozed road, bears N. and S.
54.10	Dry wash, 1.00 ch. wide, drains N.
79.81	The cor. of secs. 29, 30, 31, and 32.
	Land, rolling hills. Soil, sand and gravel. Vegetation, thick juniper and pinon, with scattered undergrowth.

General Description

The general elevation of the township ranges from about 6200 ft. to 8200 ft. above sea level. The south and NW. portion of the township is rather rough with deep washes and small canyons. The remaining portion is quite level. The country in general, slopes to the east. The soil is sand and gravel.

Vegetation consists principally of bunch grass, yellow top, shadscale, juniper and pinon.

Grazing is fair during most of the year.

The only development work within this township is the Baker Ranch, with about 160 acres of cultivated land, located in section 17.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
John R. Koger	Notekeeper
La Maun Sorensen	Notekeeper
Max Ricketts	Chainman
Bill Savage	Chainman
Wayne De Lange	Flagman
Howard Christensen	Cornerman

16—56565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Woodrow H. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15 day of April, 1955 I have ~~surveyed~~ made a dependent resurvey of portion of the north boundary or Fifth Standard Parallel South, and portions of east boundary and subdivision, and survey of portion of subdivision of T. 26 S., R. 5 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 22, 1957

Woodrow H. Sylvester
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 20 1957, *19*

The foregoing field notes of ~~the survey of~~ a dependent resurvey of portion of north boundary, or Fifth Standard Parallel South, and portions of east boundary and subdivision and survey of portion of subdivision of T. 26 S., R. 5 E.

executed by Woodrow H. Sylvester

having been critically examined and found correct, are hereby approved.

~~Chief, Division of Cadastral Engineering.~~
Cadastral Engineering Staff Officer

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

~~Chief, Division of Cadastral Engineering.~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey of the East Boundary

of

Township 26 South, Range 5 East

and the

Survey of the South Boundary

and

Portions of the Subdivision

of

Township 26 South, Range 6 East

Of the Salt Lake *Meridian,*

in the State of Utah

EXECUTED BY

Kenneth F. Hansen Cadastral Engineer

Under special instructions dated April 15, 1955, *19*....., *which provided*

for the surveys included under Group No. 412, *approved* April 25, 1955

and assignment instructions dated May 2, 1955, *19*.....

Survey commenced October 4, 1955, *19*.....

Survey completed October 25, 1955, *19*.....

U. S. GOVERNMENT PRINTING OFFICE 16—86770-1

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16—56770-1

Township 26 South, Range 6 East

Chains

The north boundary of Township 26 South, Range 6 East, or the Fifth Standard Parallel South, was surveyed by Ferdinand Dickert in 1878, and later resurveyed by J. C. Clark in 1932. The west boundary of the township was surveyed by A. D. Ferron in 1895. The east boundary was concurrently surveyed under this group, and the record appears in the field notes of Township 26 South, Range 7 East.

The following field notes are those of a dependent resurvey of the east boundary of Township 26 South, Range 5 East, survey of the south boundary and a portion of the subdivision of Township 26 South, Range 6 East, deemed sufficient in extent, to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was made with a W.L.E. Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management, and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds, and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of the survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38° 29' 52.9" N. and longitude 111° 12' 39.3" W. as is determined by traverse from U.S.C. & G.S. Triangulation Station "Chance" situated in Section 33, Township 26 South, Range 7 East.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

South Boundary, T. 26 S., R. 6 E.

Beginning at the cor. of Ts. 26 and 27 S., Rs. 6 and 7 E.

S. 89° 52' W., bet. secs. 1 and 36.

S. Bdy., T. 26 S., R. 6 E.

Chains	
	Over rolling terrain of the Middle Desert, through a moderate growth of rabbit brush, desert sage and range grass; asc. 35 ft. over a rolling SE. slope.
20.38	Top of dike, black igneous rock, 20 ft. wide, 13 ft. high, bears N. 10° W. and S. 10° E.; desc. 50 ft. over a rolling SW. slope.
30.66	Wash, 60 lks. wide, 12 ft. deep, drains S. 30° W. from N. 10° E. Continue across rolling desert terrain.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	¼ S36 / S 1 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, N. of cor.
	Continue across a rolling, very gradual S. slope of the Middle Desert.
73.40	Wash, 70 lks. wide, 7 ft. deep, drains S. 30° E. from N. 30° W. Continue over rolling terrain to cor.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid gypsum rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T26SR6E S35 | S36 S 2 | S 1 T27S 1955
	Land, rolling. Soil, sand to sandy clay. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	S. 89° 52' W., bet. secs. 2 and 35.
	Over rolling hills and sand knolls of the Middle Desert.
6.68	Wash, 50 lks. wide, 9 ft. deep, drains S. 20° E. from N. 20° W. Continue across rolling hills.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid gypsum rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	¼ S35 / S 2 1955
	Continue across rocky rolling hills.
63.46	Unimproved road, Caineville-Emery dirt road, bears N. 30° W. from S. 40° E.

Chains	
63.95	Wash, 50 lks. wide, 4 ft. deep, drains S. 40° E. from N. 30° W. Continue across rolling, sand hills.
71.65	Desc. 30 ft. over a gradual W. slope.
74.45	Wash, 150 lks. wide, 6 ft. deep, drains S. 40° E. from N. 60° W. Continue across flat desert terrain of sand knolls to cor.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26SR6E S34 | S35 S 3 | S 2 T27S 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Land, rolling. Soil, sandy clay to sand. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	S. 89° 52' W., bet. secs. 3 and 34.
	Over rolling desert terrain of the Middle Desert.
39.60	Cathedral Valley Wash, 120 lks. wide, 6 ft. deep, drains N. 60° E. from S. 60° W. on a very meandering course; continue across nearly level desert terrain.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S34 S 3 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, N. of cor.
	Continue across nearly level terrain of the Middle Desert.
43.92	Center of wash at elbow bend of channel, 120 lks wide, 7 ft. deep, drains S. 50° E. from S. 60° W. Continue across desert terrain.
55.80	Wash, 60 lks. wide, 4 ft. deep, drains S. 60° E.; continue across level terrain.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T26SR6E S33 | S34 S 4 | S 3 T27S 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.

Chains	
	Land, rolling. Soil, sand. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	S. 89° 52' W., bet. secs. 4 and 33. Over nearly level terrain of the Middle Desert. No notable topography.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. ¼ S33 / S 4 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
44.90	Cathedral Valley Wash, 110 lks. wide, 6 ft. deep, drains S. 30° E. from N. 40° W.; continue across rolling desert terrain to cor.
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26SR6E S32 | S33 S 5 | S 4 T27S 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor. Land, rolling desert. Soil, sand. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	S. 89° 52' W., bet. secs. 5 and 32. Over rolling, partially broken terrain. Asc. 150 ft. over a partially broken NE. to N. slope.
34.49	Top of ascent; desc. 120 ft. over a steep broken W. slope of ledges and small cliffs to cor.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd. ¼ S32 / S 5 1955
42.10	Asc. 125 ft. over a steep broken NE. to N. slope of broken sandstone ledges.

[illegible]

[illegible] Top of ascent; continue across broken W. slope.

66.00 Base, abruptly 145 ft. over broken W. ledges and small cliffs, which bear in a general N. and S. direction.

69.90 Base of descent; continue across nearly level desert terrain to cor.

79.09 The closing cor. of T. 27 S., Rs. 5 and 6 E., originally marked for secs. 1, 6 and 31, set and witnessed as described in the official record. I remarked this monument to read:

T26SR6E
S32
S 1 | S 5
C C
R5E R6E
T27S
AM 1955
1939

Retracement of a portion of the north boundary, T. 27 S., R. 5 E. with establishment of a cor. for T. 26 S., R. 6 E.

West, beginning new measurement.

Over rolling desert terrain.

0.91 Point for the cor. of secs. 31 and 32 on the S. bdy. of the Tp.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.

T26SR6E
S31 | S32
S 1
T27SR5E
1955

Over rolling terrain of small hills.

9.54 The cor. of T. 26 S., Rs. 5 and 6 E., set, marked and witnessed as described in the official record.

Land, rolling.
Soil, sandy.
Timber, none.
Undergrowth, range grass.

Dependent Resurvey of East Boundary, T. 26 S., R. 5 E.

Reestablishment of the Survey executed by A. D. Ferron in 1893, and the establishment of the corners of T. 26 S., R. 6 E. at intervals of 40 chains latitude.

From the cor. of T. 26 S., Rs. 5 and 6 E.

N. 0° 17' E. along the E. bdy. of sec. 36.

Over rolling desert terrain of small, sandy, clay hills.

21.38 Wash, 140 lks. wide, 6 ft. deep, drains E. from W. 4 chs. distant to intersection with main wash.

Chains	
32.85	Cathedral Valley Wash, 200 lks. wide, 8 ft. deep, drains E. from W. for 2 chs. distant, then S. 0° 20' E.; continue across rolling terrain.
40.01	The ¼ sec. cor. of secs. 31 and 36, monumented by a sandstone rock (8x10x18 ins.) mkd. ¼ on face of rock. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. ¼ S36 | S31 1955 Bury original cor. stone alongside iron post. Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	North, beginning new measurement. Continue across rolling desert terrain.
12.31	Base of rocky talus slope; asc. 115 ft. over a steep rocky S. slope.
14.60	Top of talus slope and base of red sandstone cliff; asc. abruptly 160 ft. over a sheer red sandstone cliff.
15.05	Top of cliff, bears in general east-west direction. Beginning gradual descent of 40 ft. over rolling sand knolls to cor.
40.08	The cor. of secs. 25, 30, 31 and 36, monumented by a red sandstone rock, (10x16x24 ins.) with one notch chiseled on S. edge of stone. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T26S R5E R6E S25 | S30 S36 | S31 1955 Bury original cor. stone alongside iron post. Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor. Land, sandy, rolling desert terrain. Soil, sand. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	N. 0° 06' E. along the E. bdy. of sec. 25. Over nearly level desert terrain; continue gradual descent of 50 ft. over sand knolls to cor.
40.38	The ¼ sec. cor. of secs. 25 and 30, monumented by a sandstone rock (6x8x12 ins.) and marked ¼ on face.

Chains

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

¼
S25 | S30
1955

Bury original cor. stone alongside iron post.

Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.

N. 0° 02' E., beginning new measurement.

Over rolling terrain of the Middle Desert.

21.29 Wash, 40 lks. wide, 4 ft. deep, drains N. 70° E. from S. 65° W.; continue across open desert land.

39.53 Point for the cor. of secs. 19 and 30, T. 26 S., R. 6 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T26S
R5E R6E
S25 | S19
| S30
1955

Raise a mound of stone, 3 ft. base, 24 ins. high, E. of cor.

40.26 The cor. of secs. 24 and 25, monumented by a black trachyte rock, (8x8x24 ins.) mkd. by four chiseled notches on N. edge and two notches on S. edge of stone.

At the cor. point.

Set an iron post, 30 ins. long, 4½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T26S
R5E R6E
S24 | S19
S25 |
1955

Bury original cor. stone alongside iron post.

Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.

Land, nearly level desert terrain.
Soil, sand.
Timber, none.
Undergrowth, rabbit brush, range grass and desert sage.

N. 0° 08' E., along the E. bdy. of sec. 24.

Over level terrain of the Middle Desert.

19.00 Wash, 70 lks. wide, 5 ft. deep, drains E. from W.; continue across level terrain of small sand knolls.

Chains	
39.27	Point for the ¼ sec. cor. of sec. 19, T. 26 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. ¼ |S19 1955 Raise a mound of stone, 2½ ft. base, 20 ins. high, E. of cor.
40.26	The ¼ sec. cor. of sec. 24, monumented by a trachyte rock, (8x12x12 ins.) mkd. ¼ on face. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. ¼ S24| 1955 Bury original cor. stone alongside iron post. Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	N. 0° 05' E., beginning new measurement. Across desert terrain.
39.01	Point for the cor. of secs. 18 and 19, T. 26 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R5E R6E S24 |S18/S19 1955 Raise a mound of stone, 3 ft. base, 24 ins. high, E. of cor.
40.06	The cor. of secs. 13 and 24, monumented by a sandstone rock, (6x12x10 ins.) mkd. by three chiseled notches on the N. and S. edges of the stone. Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. T26S R5E R6E S13/S24 |S18 1955 Bury original cor. stone alongside iron post. Raise a mound of stone, 2 ft. base, 20 ins. high, W. of cor.

Land, level desert terrain.
Soil, sand.
Timber, none.
Undergrowth, desert sage, rabbit brush and range grass.

N. 0° 09' E., along the E. bdy. of sec. 13.

Over rolling desert terrain.

3.10 Unimproved road, Caineville-Emery road, bears S. 80° E. from N. 75° W.; continue across level terrain of the Middle Desert.

38.95 Point for the ¼ sec. cor. of sec. 18, T. 26 S., R. 6 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

¼
S18
1955

Raise a mound of stone, 2½ ft. base, 24 ins. high, E. of cor.

39.78 The ¼ sec. cor. of sec. 13, monumented by a trachyte rock (4x10x12 ins.) mkd. ¼ on face.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.

¼
S13
1955

Bury original cor. stone alongside iron post.

Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.

N. 0° 26' E., beginning new measurement.

Over rolling desert terrain.

29.86 Desc. 160 ft. over a N. slope and over a series of small red ledges which bear E. and W.

39.17 Point for the cor. of secs. 7 and 18, T. 26 S., R. 6 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

T26S
R5E R6E
S13 | S 7
S18
1955

Raise a mound of stone, 3 ft. base, 30 ins. high, E. of cor.

40.20 The cor. of secs. 12 and 13, monumented by a trachyte rock, (6x15x18 ins.) mkd. by two chiseled notches on N. edge and four notches on S. edge of stone.

Chains	
	At the cor. point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T26S R5E R6E S12 | S 7 S13 | 1955
	Bury original cor. stone alongside iron post.
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, rolling, partially broken. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	N. 0° 13' E., along the E. bdy. of sec. 12.
	Over rolling terrain of the Middle Desert.
6.50	Base of descent; continue across level desert terrain.
35.38	Wash, 150 lks. wide, 4 ft. deep, drains E. from W.; continue across level desert land.
38.97	Point for the ¼ sec. cor. of sec. 7, T. 26 S., R. 6 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S 7 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, E. of cor.
40.00	The ¼ sec. cor. of sec. 12, monumented by a trachyte rock, (5x14x14 ins.) with ¼ chiseled on face of stone.
	At the cor. point.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.
	¼ S12 1955
	Bury original cor. stone, alongside iron post.
	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	N. 0° 13' E., beginning new measurement.
	Across nearly level terrain of the Middle Desert.
5.[illegible]	Point for the cor. of secs. 6 and 7, T. 26 S., R. 6 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T26S
R5E R6E
S12 | S 6
| S 7
1955

Raise a mound of stone, 3 ft. base, 30 ins. high, E. of cor.

40.18 The cor. of secs. 1 and 12, monumented by a trachyte rock, (2x.x8 ins.) mkd. with one chiseled notch on north edge and five chiseled notches on S. edge of stone.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

T26S
R5E R6E
S 1 | S 6
S12 |
1955

Bury original cor. stone alongside iron post.

Raise a mound of stone, 2½ ft. base, 26 ins. high, W. of cor.

Land, nearly level desert terrain.
Soil, sand.
Timber, none.
Undergrowth, desert sage, rabbit brush and range grass.

N. 0° 04' W., along the E. bdy. of sec. 1.

Over level desert land.

38.51 Point for the ¼ sec. cor. of secs. 6, T. 26 S., R. 6 E. at 40.00 chs. N. of the cor. of secs. 6 and 7.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

¼
|
| S 6
1955

Raise a mound of stone, 2 ft. base, 18 ins. high, E. of cor.

40.45 Point for the ¼ sec. cor. of sec. 1, at proportionate distance; there is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.

¼
S 1 |
1955

Raise a mound of stone, 2 ft. base, 16 ins. high, W. of cor.

Continue across rolling desert terrain.

Chains	
56.00	Asc. 150 ft. over a rolling S. slope to cor.
82.40	The original closing cor. of T. 26 S., Rs. 5 and 6 E., on the Fifth Standard Parallel South, marked by a trachyte rock, (6x10x12 ins.) with six chiseled notches on E. and W. edges and "CC" chiseled into face of rock. At the cor. point. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T25SR6E S31 S 1 | S 6 R5E R6E T26S CC 1955 Bury original cor. stone alongside iron post. Raise a mound of stone, 3 ft. base, 36 ins. high, S. of cor. From this point, the Standard Corner of T. 25 S., Rs. 5 and 6 E. bears W. 6.55 chs. dist. Land, rolling desert plain. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.

Portions of the Subdivision, T. 26 S., R. 6 E.

	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp. N. 0° 01' W., bet. secs. 35 and 36. Asc. 75 ft. over a general S. slope of a series of rolling sand hills.
21.30	Wash, 20 lks. wide, 4 ft. deep, drains S. 40° E. from N. 60° W.; asc. 80 ft. over a S. slope of brown sand foot hills to cor.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd. ¼ S35 | S36 1955 Asc. 50 ft. over rolling S. slope of brown sand foot hills.
52.10	Base of talus slope; asc. 90 ft. over very rocky S. talus slope.
54.80	Base of cliff; asc. abruptly 950 ft. over a sheer sandstone cliff.
56.23	Top of cliff, bears E. and W.; asc. 50 ft. over a sandstone top of mesa which is sparsely covered with dwarf pinon and juniper trees.

Subdivision, T. 26 S., R. 6 E.

Chains	
74.97	Wash, 40 lks. wide, 6 ft. deep, drains S. 20° E. from N. 40° W.; continue across top of mesa.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chiseled into bedrock, and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T26SR6E S26 | S25 S35 | S36 1955
	Land, broken mountainous. Soil, sand and rock. Timber, dwarf pinon and juniper trees on mesa top. Undergrowth, desert sage, rabbit brush, shadscale and range grass.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., a 2½ in. iron post, set, marked and witnessed as described in the field notes of T. 26 S., R. 7 E.
	S. 89° 52' W., bet. secs. 25 and 36.
	Asc. 40 ft. over a SE. slope of rolling terrain.
31.12	Change of slope; asc. 55 ft. over partially broken, clay E. slope to cor.
39.98	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stone, with brass cap mkd.
	¼ S25 S36 1955
	Raise a mound of stone, 2 ft. base, 25 ins. high, N. of cor.
	Continue to asc. 230 ft. over rolling, partially broken steep E. clay slope.
53.30	Base of cliff; asc. 215 ft. over a sheer vertical sandstone cliff.
53.55	Top of cliff, bears S. 20° W. and N.; asc. 70 ft. over barren sandstone W. slope.
59. 16	Top of hill; continue across rolling terrain, through a scattered growth of dwarf pinon and juniper trees.
79.96	The cor. of secs. 25, 26, 35 and 36.
	Land, broken and mountainous. Soil, sand and clay. Timber, dwarf pinon and juniper trees on top of mesa. Undergrowth, rabbit brush and shadscale.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp.
	N. 0° 02' W., bet. secs. 33 and 34.

Chains	
	Across rolling, nearly level terrain of the Middle Desert. No notable topography.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. ¼ S33 | S34 1955 Raise a mound of stone, 3 ft. base, 34 ins. high, W. of cor.
	Asc. 85 ft. over a gradual rolling S. slope of sandy clay hills to cor.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T26SR6E S28 | S27 S33 | S34 1955 Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	Land, rolling. Soil, sandy clay. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	N. 0° 02' W., bet. secs. 27 and 28.
	Asc. 45 ft. over a general S. slope of rolling sand hills.
31.90	Wash, 20 lks. wide, 3 ft. deep, drains S. 50° E. from N. 50° W.; continue ascent of 20 ft. over rolling S. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd. ¼ S28 | S27 1955
	Asc. 60 ft. over a rolling S. slope of sand hills.
50.38	Base of steep, partially broken, slope of red sandstone; asc. 155 ft. over a S. slope.
58.00	Rim of bench, bears N. 70° E. and S. 75° W.; continue across nearly level terrain of the Middle Desert.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

Subdivision, T. 26 S., R. 6 E.

Chains	
	T26SR6E S21 | S22 S28 | S27 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor. Land, rolling. Soil, sand and sandy clay. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	N. 0° 02' W., bet. secs. 21 and 22. Across nearly level terrain of the Middle Desert.
21.30	Rim of bench, bears in general east-west direction; desc. 85 ft. over rolling N. slope.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. ¼ S21 | S22 1955 Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor. Continue across rolling terrain of the Middle Desert.
58.40	Unimproved road, Caineville-Emery dirt road, bears N. 30° W. and S. 40° E.; continue over rolling sandy knolls.
64.90	Unimproved road, Oil Company Exploration Road, bears E. and W. Intersection with Caineville-Emery Road, 15 chs. W.; continue over rolling terrain.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd. T26SR6E S16 | S15 S21 | S22 1955 Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor. Land, rolling. Soil, sand. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	N. 0° 02' W., bet. secs. 15 and 16. Over rolling desert terrain of the Middle Desert.
27.99	Saleratus Wash, 50 lks. wide, 5 ft. deep, drains N. 45° E. from S. 50° W.; continue across rolling terrain.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd. ¼ S16 | S15 1955 Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor. Asc. 20 ft. over a rolling gradual S. slope.
72.30	Base of bench; asc. 60 ft. over steep S. slope.
76.58	Rim of bench, bears in general east-west direction; continue across nearly level terrain.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26SR6E S 9 | S10 S16 | S15 1955 Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor. Land, rolling desert terrain. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	N. 0° 02' W., bet. secs. 9 and 10. Over nearly level terrain of the Middle Desert. No notable topography.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. ¼ S 9 | S10 1955 Raise a mound of stone, 2 ft. base, 20 ins. high, W. of cor. Continue across nearly level bench.
76.00	Rim of bench, bears in general east-west direction; desc. 55 ft. over a N. slope to cor.
80.00	Point for the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.

Subdivision, T. 26 S., R. 6 E.

Chains	
	T26SR6E S 4 | S 3 S 9 | S10 1955 Land, rolling. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	N. 0° 02' W., bet. secs. 3 and 4. Over rolling desert terrain of the Middle Desert. Continue gradual descent of 90 ft. over a gradual NE. slope into basin-like valley.
26.35	Wash, 15 lks. wide, 3 ft. deep, drains N. 50° E. from S. 40° W.: continue across rolling terrain.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a collar of stones, with brass cap mkd. ¼ S 4 | S 3 1955 Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor. Desc. 95 ft. over a N. slope.
51.00	Wash, 60 lks. wide, 8 ft. deep, drains E. from S. 65° W.
56.10	Base of hill; asc. 180 ft. over rocky, partially broken S. slope.
74.12	Rim of bench, bears in general east-west direction; continue across level bench terrain.
83.45	Intersect the Fifth Standard Parallel South at a point 13.26 chs. E. of the standard cor. of secs. 32 and 33, T. 25 S., R. 6 E. Point for the closing cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd. T25SR6E S33 S 4 | S 3 T26SR6E CC 1955 Raise a mound of stone, 3½ ft. base, 30 ins. high, S. of cor. Land, rolling. Soil, sandy and rocky. Timber, none. Undergrowth, rabbit brush and range grass.

Chains

The point for the cor. of secs. 2 and 3, on the N. bdy. of the Tp. is at proportionate position bet. the closing cor. of secs. 3 and 4, and the NE. cor. of the Tp.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd.

T25SR6E
S34
S 3|S 2
T26S
1955

From this point, the standard cor. of secs. 33 and 34, T. 25 S., R. 6 E., bears West 13.29 chs. dist.

The point for the cor. of secs. 1 and 2 on the N. bdy. of the Tp. is at proportionate distance bet. the closing cor. of secs. 3 and 4, and the NE. cor. of the Tp.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.

T25SR6E
S35
S 2|S 1
T26S
1955

Raise a mound of stone, 3 ft. base, 25 ins. high, S. of cor.

From this point, the standard cor. of secs. 34 and 35, T. 25 S., R. 6 E., bears West 13.32 chs. dist.

The point for the ¼ sec. cor. of sec. 2, midway bet. the cor. of secs. 1 and 2, and the cor. of secs. 2 and 3, on the N. bdy. of the Tp.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock and in a large mound of stone, 4 ft. base to top, with brass cap mkd.

¼
S 2
1955

From this point, the standard ¼ sec. cor. of sec. 34, T. 25 S., R. 6 E., bears West 13.305 chs. dist.

From the cor. of secs. 1 and 2 on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Chains	
	Asc. 50 ft. over a rolling, gradual NW. slope.
38.16	Wash, 10 lks. wide, 2 ft. deep, drains N. 65° W. from S. 65° E.; continue over rolling terrain.
43.09	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	¼ S 2 | S 1 1955
	Asc. 105 ft. over rolling, highly eroded, white and red clay hills.
65.53	Top of clay ridge, bears in general east-west direction; continue across rolling clay hills and steep-sided gullys to cor.
83.09	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26SR6E S 2 | S 1 S11 | S12 1955
	Raise a mound of gypsum rock, 5 ft. base, 30 ins. high, W. of cor.
	Land, rolling, highly eroded hills and gullys. Soil, white and red clay. Timber, none. Undergrowth, sparse rabbit brush and range grass.
	From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Desc. 60 ft. over a rolling S. to SE. slope.
17.18	Wash, 95 lks. wide, 5 ft. deep, drains E. from W.
22.00	Base of hill; asc. 190 ft. over a steep NE. slope.
41.46	Top of hill; desc. 20 ft. over a steep, very rocky S. slope to cor.
43.26	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, 5 ft. base to top, with brass cap mkd.
	¼ S 3 | S 2 1955
	Continue descent of 60 ft. over a rocky S. to SE. slope.
50.40	Wash, 25 lks. wide, 3 ft. deep, drains N. 70° E., from S. 80° W.; asc. 30 ft. over rolling, gradual NE. slope.

Subdivision, T. 26 S., R. 6 E.

Chains	
70.92	Change of slope; asc. 55 ft. over a steep NE. slope to cor.
83.26	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T26SR6E S 3 | S 2 S10 | S11 1955
	Land, rolling. Soil, sandy clay. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 51' W., bet. secs. 2 and 11.
	Desc. 65 ft. over a rolling NW. slope of highly eroded clay hills and steep-sided gullys.
15.80	Wash, 50 lks. wide, 8 ft. deep, drains N. 25° W. from S. 25° E.; asc. 35 ft. over rolling E. slope.
20.55	Top of ascent; desc. 85 ft. over a rolling NW. slope of white and red clay hills to cor.
40.03	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	¼ S 2 S11 1955
	Raise a mound of stone, 2½ ft. base, 18 ins. high, N. of cor.
	Asc. abruptly 30 ft. over steep E. slope of clay hill.
41.00	Top of clay hill; desc. 80 ft. over rolling hills to bottom land of wash.
53.15	Saleratus Wash, 105 lks. wide, 7 ft. deep, drains N. 20° E. from S. 20° W. over a very meandering channel; asc. 110 ft. over a rolling E. to NE. slope to cor.
80.6	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling. Soil, clay and sandy clay. Timber, none. Undergrowth, rabbit brush, tamerisk and range grass.
	From the cor. of secs. 15, 16, 21 and 22.
	S. 89° 52' W., bet. secs. 16 and 21.
	Desc. 30 ft. over rolling W. slope.

Chains	
5.10	Saleratus Wash, 60 lks. wide, 3 ft. deep, drains N. 10° E. from S. 20° W.; continue across nearly level terrain of the Middle Desert.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S16 / S21 / 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, N. of cor.
	Continue over level grassland of the Middle Desert.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26SR6E S17 | S16 S20 | S21 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, level desert grassland. Soil, sandy. Timber, none. Undergrowth, desert sage, tamerisk, rabbit brush and range grass.
	N. 0° 03' W., bet. secs. 16 and 17.
	Desc. 30 ft. over a very gradual, rolling N. slope.
21.78	Wash, 45 lks. wide, 3½ ft. deep, drains E. from W. on very meandering course; asc. 50 ft. over a rolling S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	¼ S17 | S16 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Asc. 55 ft. over a S. slope.
58.80	Rim of bench, bears general east-west direction; continue across level bench terrain to cor.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.
	T26SR6E S 8 | S 9 S17 | S16 1955

Chains	
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor. Land, rolling. Soil, sandy. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	From the cor. of secs. 9, 10, 15 and 16. S. 89° 52' W., bet. secs. 9 and 16. Over nearly level bench terrain of the Middle Desert; asc. 30 ft. over a very gradual E. slope to cor.
40.01	Point for the ¼ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. ¼ S 9 / S16 1955 Continue across level terrain of the Middle Desert.
80.02	The cor. of secs. 8, 9, 16 and 17. Land, level desert terrain. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 32 and 33. Over rolling desert terrain; desc. 30 ft. over a general N. slope.
13.90	Cathedral Valley Wash, 120 lks. wide, 3 ft. deep, drains E. from W.; asc. 25 ft. over a gradual S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33, at base of clay slope. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd. ¼ S32 | S33 1955 Asc. 310 ft. over rolling, partially broken, rocky S. slope.
68.08	Rim of bench, bears S. 80° W. and N. 70° E.; continue across level desert terrain to cor.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Chains	
	T26SR6E S29 | S28 S32 | S33 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor. Land, rolling, partially broken slopes. Soil, sand and rocks. Timber, none. Undergrowth, tamerisk, rabbit brush and desert sage and range grass.
	From the cor. of secs. 31 and 32 on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 31 and 32. Over rolling desert terrain.
19.35	Wash, 130 lks. wide, 6 ft. deep, drains S. 60° E. from N. 60° W. on a very meandering course; continue across rolling terrain to cor.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. ¼ S31 | S32 1955 Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor. Asc. 20 ft. over a general S. slope.
54.10	Base of talus slope; asc. 110 ft. over rocky S. slope.
55.30	Base of red sandstone cliff; asc. abruptly 180 ft. over sheer red sandstone wall.
56.40	Top of cliff, bears S. 70° W. and N. 65° E.; desc. 30 ft. over a very gradual N. slope of rolling desert terrain to cor.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd. T26SR6E S30 | S29 S31 | S32 1955 Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor. Land, rolling to broken. Soil, sandy. Timber, none. Undergrowth, rabbit brush, tamerisk and range grass.
	From the cor. of secs. 28, 29, 32 and 33. S. 89° 52' W., bet. secs. 29 and 32.

Chains	
	Across nearly level desert terrain.
20.60	Desc. 85 ft. over a rocky NW. to W. slope.
24.20	Base of descent; continue across nearly level terrain of the Middle Desert.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground, with brass cap mkd.
	$\frac{1}{4}$ S29/S32 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, N. of cor.
	Continue across level desert terrain of the Middle Desert.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling and flat. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.
	N. 89° 39' W., bet. secs. 30 and 31.
	Over level desert terrain.
8.34	The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the Tp.
	Land, flat desert terrain. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.

General Description

Township 26 South, Range 6 East lies entirely within the Middle Desert of southwestern Emery County, Utah. The topography of the township is that of gently rolling desert bench land.

The south two tiers of sections of the township drain in an easterly direction, via a comparatively wide, but shallow wash, known locally as Cathedral Valley Wash. The remaining and larger portion of the township drains in a northeast direction through a series of smaller washes.

The soil of the township is a deep, coarse grained, sandy loam which supports an exceptionally fine growth of vegetation. This undergrowth consists of range grass, rabbit brush, tamerisk and desert sage. Scrub juniper and pinon trees are found only at the top of the isolated mesa situated in sections 25 and 36.

Access to the township is easily gained by the Caineville-Emery dirt road. This road enters the township on the south boundary of section 35, bears northwest through the township, leaving on the west boundary of section 18.

No evidence of any minerals was found during the progress of this survey.

U. S. GOVERNMENT PRINTING OFFICE 16—29420-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Frank A. Brinkerhoff	Chainman
Dee Von Thompson	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15 th day of April 1955, I have ~~surveyed~~ dependent resurveyed the East Boundary of Township 26 South, Range 5 East and have surveyed the South Boundary and Portions of the Subdivision of Township 26 South, Range 6 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

Kenneth F. Hansen
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1958, *19*

The foregoing field notes of the ~~survey~~ dependent resurvey of the East Boundary of Township 26 South, Range 5 East and the survey of the South Boundary and Portions of the Subdivision of Township 26 South, Range 6 East,

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I certify that the foregoing transcript of the field notes of the above-described surveys in

, is a true copy of the original field notes

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the East and West Boundaries

and

Portions of the Subdivision

of

Township 26 South, Range 7 East

Of the Salt Lake *Meridian,*

n the State of Utah

EXECUTED BY

Kenneth F. Hansen Cadastral Engineer

Under special instructions dated April 15, *19*55, *which provided*

or the surveys included under Group No. 412, *approved* April 25, 1955

nd assignment instructions dated May 2, 1955, *19*

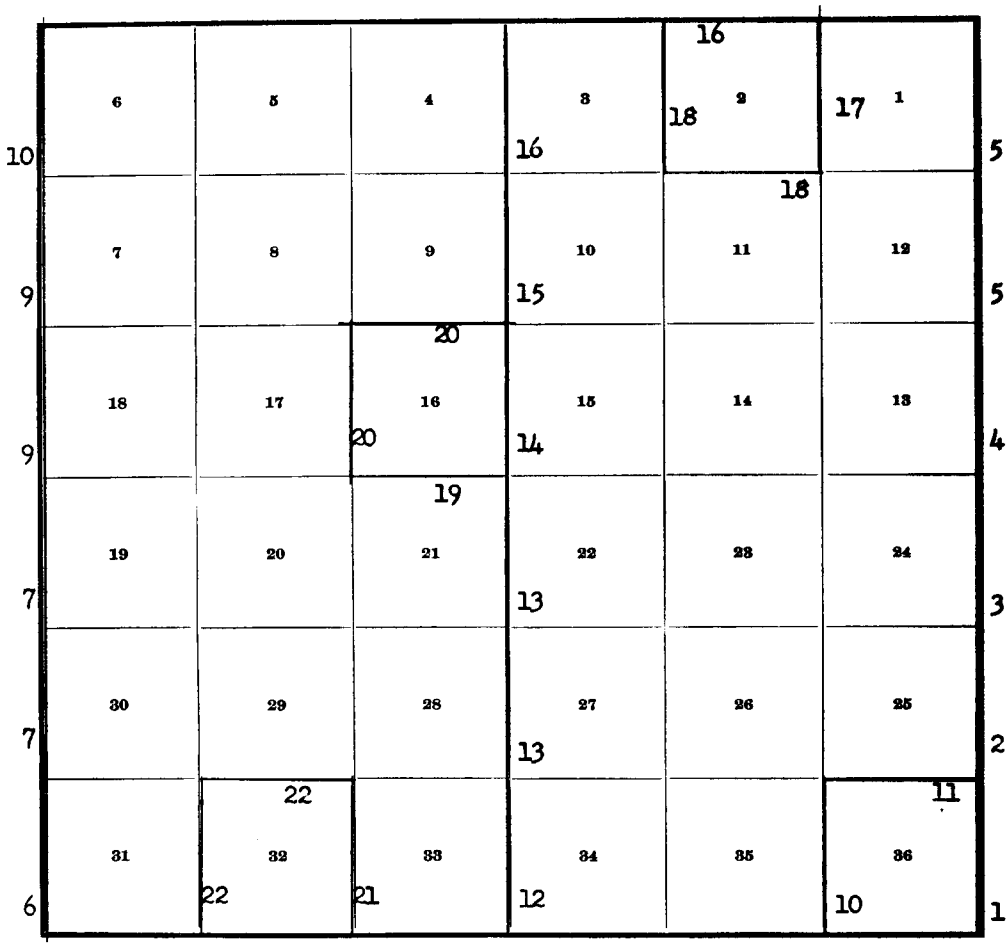
Survey commenced July 7, 1955, *19*

Survey completed November 10, 1955, *19*

U. S. GOVERNMENT PRINTING OFFICE 16—66770-1

INDEX DIAGRAM

Township 26 South, *Range* 7 East



16—56770-1

2052

The north boundary of Township 26 South, Range 7 East, or the Fifth Standard Parallel South, was surveyed by Ferdinand Dickert in 1878, and later was resurveyed by J. C. Clark in 1932. The south boundary was concurrently surveyed under this group, and the record appears in the field notes of Township 27 South, Range 7 East.

The following field notes are those of the East and West boundaries and a portion of the subdivision of Township 26 South, Range 7 East, deemed sufficient in extent, to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State School Sections.

The survey was made with a W.&L.E. Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record, the random lines are omitted for the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thorougly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of Section 36 of this township is latitude 38° 29' 52.97" N., and longitude 111° 06' 02.73" W. as determined by traverse from U.S.C.&G.S. Triangulation Station "Chance" situated in Section 33, Township 26 South, Range 7 East.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

Beginning at the cor. of Townships 26 and 27 South, Ranges 7 and 8 East.

North, between secs. 31 and 36.

Over the flat surface of a continuous South slope of the Moroni Dome; ascend 115 ft. over a S. slope.

chains	
32.52	Wash, 40 lks. wide, 6 ft. deep, drains S. 20° W. from N. 10° E. Ascent 30 ft. over a S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S36 | S31 1955
	Ascend 130 ft. over a S. slope.
67.00	Wash, 30 lks. wide, 4 ft. deep, drains S. 10° E. from N. 10° W. Continue ascent 20 ft. over a S. to SE. slope.
73.22	Base of clay hill; ascend 110 ft. over a steep SE. slope of the East side of clay hill.
78.91	Top of main spur, projects E. 5 chs. Continue across series of steep sloped spurs which project E.
80.00	True point for the cor. of secs. 25, 30, 31 and 36, falls on very steep SE. slope of loose clay spur. Impracticable to establish monument.
	Land, continuous S. slope. Soil, shale and clay. Timber, none. Undergrowth, shadscale and rabbit brush.
	North, between secs. 25 and 30.
	Over continuous S. slope of the Moroni Dome.
0.70	Point for the witness cor. of secs. 25, 30, 31 and 36, on top of red clay spur which projects E. 4 chs.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to solid shale rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	T26S R7E | R8E S25 | S30 S36 | S31 W C 1955
	Continue across a series of spurs, which project E.
4.16	Top of spur, projects N. 65° E. 4 chs. Descend 70 ft. over a N. slope.
20.12	Base of descent; ascend 15 ft. over a gradual S. slope.
35.18	Wash, 20 lks. wide, 6 ft. deep, drains W. from E.; continue across flat terrain.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.

East Boundary, T. 26 S., R. 7 E.

chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	1/4 S25 | S30 1955
	Raise a mound of stone, 2 ft. base, 14 ins. high, W. of cor.
	Continue across a W. slope.
72.89	Wash, 30 lks. wide, 7 ft. deep, drains S. 70° W. from N. 70° E.
78.69	Enter rolling clay knolls and small hills; ascend 25 ft. over a general S. slope to cor.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,
	T26S R7E | R8E S24 | S19 S25 | S30 1955
	Raise a mound of stone, 2 ft. base, 16 ins. high, W. of cor.
	Land, rolling. Soil, sandy shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	North, between Secs. 19 and 24.
	Over rolling clay hills. Ascend 15 ft. over a general SW. slope.
16.50	Wash, 40 lks. wide, 7 ft. deep, drains S. 50° W. from N. 50° E.; continue across rolling W. slope.
23.59	Wash, 30 lks. wide, 6 ft. deep, drains S. 45° W. from N. 45° E. Ascend 60 ft. over a general S. slope of a series of clay foot hills.
40.00	Point for the cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	1/4 S24 | S19 1955
	Ascend 140 ft. over a steep S. slope of Table Mountain.
48.72	Base of cliff; ascend abruptly 35 ft. over face of red shale cliff.
49.13	Top of cliff, bears S. 70° W. and N. 70° E. Continue across nearly level top of Table Mountain.
78.71	Wash, 20 lks. wide, 4 ft. deep, drains W. from E.; continue across Table Mountain.

chains	
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set an iron post, 24 ins. in the ground, with brass cap mkd., T26S R7E | R8E S13 | S18 S24 | S19 1955 Raise a mound of stone, 3½ ft. base, 26 ins. high, W. of cor. Land, rolling. Soil, shale. Timber, none. Undergrowth, shadscale, rabbit brush and sparce range grass.
	North, between Secs. 13 and 18. Continue across nearly level top of Table Mountain.
25.41	North rim of Table Mountain; descend 15 ft. abruptly over a small brown cliff which bears E. and W., and thence descend 195 ft. over a steep N. slope.
36.81	Wash, 20 lks. wide, 4 ft. deep, drains N. 60° W. from S. 70° E.; ascend 35 ft. over a broken S. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S13 | S18 1955
	Descend 65 ft. over a NW. slope.
49.35	Wash, 50 lks. wide, 27 ft. vertical rock walls, drains generally West on a meandering course from E. Ascend 60 ft. over a rolling SW. slope.
69.10	Top of ascent; continue across nearly level W. slope.
80.00	Point for the cor. of Secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., T26S R7E | R8E S12 | S7 S13 | S18 1955 Raise a mound of stone, 2 ft. base, 16 ins. high, W. of cor. Land, rolling. Soil, shale. Timber, none. Undergrowth, rabbit brush, shadscale and range grass.

East Boundary, T. 26 S., R. 7 E.

chains	
	North, between Secs. 7 and 12.
	Ascend 30 ft. over a rolling SW. slope.
10.38	Top of ascent; descend 55 ft. over a gradual rolling NW. slope.
39.77	Wash, 20 lks. wide, 4 ft. deep, drains S. 80° W. from N. 80° E. Continue across rolling terrain.
40.00	Point for the ¼ cor. of Secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.,

¼
S12 | S7

1955

	Continue across a W. slope.
44.10	Wash, 30 lks. wide, 7 ft. deep, drains S. 70° W. from N. 70° E.
54.40	Wash, 20 lks. wide, 6 ft. deep, drains S. 65° W. from N. 70° E. Continue across rolling clay knolls and small hills.
75.20	Wash, 120 lks. wide, 15 ft. vertical earth banks, drains N. 80° W. from S. 80° E. Continue across rolling terrain of a general W. slope.
80.00	Point for the cor. of Secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 21 ins. in the ground, with brass cap mkd.,

T26S
R7E | R8E
S1 | S6
S12 | S7

1955

Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor.

Land, rolling.
Soil, shale.
Timber, none.
Undergrowth, rabbit brush and range grass.

	North, between Secs. 1 and 6.
	Over rolling terrain of a gradual W. slope.
14.39	Wash, 20 lks. wide, 3 ft. deep, drains N. 70° W. from S. 70° E.
27.38	Wash, 40 lks. wide, 8 ft. deep, drains W. from E. Descend 15 ft. over a very gradual rolling NW. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,

¼
S1 | S6

East Boundary, T. 26 S., R. 7 E.

chains

Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.

Continue across rolling, gradual W. slope.

41.40 Wash, 20 lks. wide, 4 ft. deep, drains S. 50° W. from N. 50° E.

49.50 Wash, 40 lks. wide, 7 ft. deep, drains S. 70° W. from N. 70° E.

68.76 Unimproved dirt road, bears S. 70° E. and N. 70° W. Continue across level plain to cor.

82.82 Intersect the Fifth Standard Parallel, at a point 11.02 chs. E. of standard cor. of Secs. 35 and 36, T. 25 S., R. 7 E.

Point for the closing cor. of Secs. 1 and 6.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,

T25SR7E
S36
S1 | S6
R7E | R8E
CC
T26S
1955

Raise a mound of stone, 2½ ft. base, 24 ins. high. S. of cor.

Land, rolling.
Soil, sandy shale.
Timber, none.
Undergrowth, rabbit brush and range grass.

West Boundary, T. 26 S., R. 7 E.

From the cor. of Tps. 26 and 27 S., Rs. 6 and 7 E.

North, between Secs. 31 and 36.

Over rolling terrain; ascend 110 ft. over a general S. slope.

40.00 Point for the ¼ sec. cor. of Secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,

¼
S36 | S31
1955

Raise a mound of stone, 3½ ft. base, 36 ins. high, W. of cor.

Continue ascent of 55 ft. over a general S. slope of rolling knolls and small hills.

80.00 Point for the cor. of Secs. 25, 30, 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,

T26S
R6E | R7E
S25 | S30
S36 | S31
1955

chains	
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, rolling. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	North, between Secs. 25 and 30.
	Ascending the Northeast edge of a large, high, isolated mesa in the Middle Desert.
	Ascend 135 ft. over a rocky S. slope.
16.27	Wash, 60 lks. wide, 12 ft. deep, drains S. 70° E. from N. 60° W. Ascend 370 ft. over a steep SE. slope.
40.00	Point for the ¼ sec. cor. of Secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd., ¼ S25 | S30 1955
	Continue ascent 260 ft. over very steep SE. to E. slope covered with trachyte pebbles.
48.12	Top of main spur of eastern slope of mesa, projects E. 8 chs. on very steep slope. Descend 505 ft. over a steep NE. slope covered with black trachyte pebbles.
80.00	Point for cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., on rock over cross (x) chisled into bedrock, and in a large mound of stone, 4 ft. base to top with brass cap mkd., T26S R6E | R7E S24 | S19 S25 | S30 1955
	Land, mountainous. Soil, sandy, covered with trachyte pebbles. Timber, none. Undergrowth, sparce rabbit brush and range grass.
	North, between Secs. 19 and 24.
	Over NE. side of isolated mesa; descend 95 ft. over a NE. slope to valley floor over trachyte pebbles.
7.16	Base of descent; ascend 15 ft. over a gradual S. slope.
17.64	Descend 195 ft. over a rolling N. slope.
38.70	Man-made water spreader pond, 3 chs. wide, 12 ft. deep, drains N. 60° W. Continue across open desert terrain.

West Boundary, T. 26 S., R. 7 E.

chains	
40.00	True point for the ¼ sec. cor. falls in water storage pond.
40.80	Point for the witness ¼ cor. of Secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S24 | S19 ↓ WC 1955
	Continue across open desert terrain through moderate growth of range grass.
78.88	Unimproved dirt road, bears S. 85° W. and N. 80° E.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.,
	T26S R6E | R7E S13 | S18 S24 | S19 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, open desert terrain. Soil, sandy. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.
	North between Secs. 13 and 18.
	Over open desert terrain spotted with high isolated mesas; ascend 50 ft. over a SE. slope of rolling terrain.
31.85	Base of hill; ascend 315 ft. over a steep S. slope covered with black trachyte pebbles.
38.20	Base of cliff; ascend abruptly 70 ft. over vertical cliffs.
38.96	Top of cliff, bears generally E. and W.; ascend 20 ft. over a steep S. slope.
40.00	Point for the ¼ sec. cor. of Secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., on rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S13 | S18 1955
	Continue ascent of 180 ft. over a steep SE. slope covered with trachyte boulders.
62.69	Top of SE. edge of black hill; descend 120 ft. over a broken NE. slope of a series of small cliffs and ledges to cor.

West Boundary, T. 26 S., R. 7 E.

chains	
80.00	Point for the cor. of Secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	T26S R6E | R7E S12 | S7 S13 | S18 1955
	Land, open desert terrain to mountainous. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.
	North, between Secs. 7 and 12.
	Over broken, mountainous terrain; ascend 70 ft. over a broken SE. slope covered with trachyte boulders.
5.60	Top of NE. edge of black hill; descend 240 ft. over a NE. broken slope of many small cliffs and broken ledges.
11.54	Change of degree of slope; descend 290 ft. over a N. slope covered with trachyte pebbles.
34.82	Base of hill; continue across rolling terrain.
40.00	Point for the cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	¼ S12 | S7 1955
	Raise a mound of stone, 2½ ft. base, 16 ins. high, W. of cor.
	Descend 75 ft. over a rolling N. slope.
78.23	Wash, 60 lks. wide, 6 ft. deep, drains N. 30° E. from S. 45° W. Continue descent of 45 ft. over a rolling N. slope.
80.00	Point for the cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	T26S R6E | R7E S1 | S6 S12 | S7 1955
	Raise a mound of stone, 2½ ft. base, 30 ins. high, W. of cor.
	Land, rolling. Soil, sandy clay. Timber, none. Undergrowth, rabbit brush and range grass.

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West Boundary, T. 26 S., R. 7 E.

chains	
	North, between Secs. 1 and 6.
	Over rolling clay hills; descend 35 ft. over a gradual rolling NE. slope.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S1 | S6 1955
	Continue descent of 60 ft. over rolling clay knolls.
68.77	Ascend 40 ft. over S. slope of clay.
69.13	Top of clay hill; continue across flat top.
82.91	Intersect the Fifth Standard Parallel, at a point, 13.35 chs. East of the Standard Cor. of 35 and 36, T. 25 S., R. 6 E.
	Point for the closing cor. of Secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T25SR6E S36 S1 | S6 S6E | S7E CC T26S 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, S. of cor.
	Land, rolling. Soil, clay. Timber, none. Undergrowth, rabbit brush and range grass.

Portions of the Subdivision, T. 26 S., R. 7 E.

	From the cor. of Secs. 1, 2, 35 and 36, on the S. boundary of the Township.
	N. 0° 01' W., between Secs. 35 and 36.
	Over very broken terrain, crossing meandering channel of Last Chance Wash.
0.35	Descend abruptly 100 ft. over a broken N. slope of shale ledges.
16.45	Last Chance Wash, 260 lks. wide, drains S. 70° E. from N. 25° E. Elbow of meandering channel; ascend 45 ft. cliff.
21.16	Top of cliff; bears N. 30° E. and S. 30° W. Ascend 295 ft. over a broken SE. slope.
40.00	Point for the ¼ sec. cor. of Secs. 35 and 36.

chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S35 | S36 1955
40.43	Top of ascent; descend 245 ft. over a steep, rough, broken, rocky NE. slope.
43.96	Top of ledge, bears E. and W.; descend 55 ft. over a series of broken shale ledges and small cliffs.
46.64	Last Chance Wash, 250 lks. wide, drains S. 70° E. from N. 60° W. Ascend 50 ft. over shale cliff.
48.40	Top of cliff, bears S. 70° E. and N. 70° W.; ascend 280 ft. over a SE. slope.
63.23	Top of ascent; descend 305 ft. over a steep, broken, NE. slope.
67.85	Top of ledges, bears N. 50° E. and S. 60° W. Descend abruptly 20 ft. into elbow of Last Chance Wash Channel.
68.62	Last Chance Wash, 200 lks. wide, 20 ft. vertical walls, drains S. 70° W. from N. 50° E.; ascend 20 ft. out of wash.
69.90	Top of cliff, bears S. 20° W. and N. 60° E.; ascend 165 ft. over broken, rocky SE. slope.
77.57	Top of ascent; descend 135 ft. over steep NE. slope.
79.22	Top of cliff, bears S. 70° E. and N. 70° W.; descend 45 ft. over a series of ledges into S. edge of channel of Last Chance Wash.
80.00	Point for the cor. of Secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T26SR7E S26 | S25 S35 | S36 1955
	Land, broken. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the true point for the cor. of Secs. 25, 30, 31 and 36, on the East boundary of the township.
	West, between Secs. 25 and 36.
	Over a large flat-topped clay hill; ascend 55 ft. over a steep E. clay slope.
1.45	East rim of flat-topped clay hill; continue across nearly level bench.
17.43	West rim of flat-topped clay hill; descend 205 ft. over a steep, rolling, partially broken, W. slope to cor.

chains	
39.47	Point for the witness ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to gypsum rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., WC ¼ ← S25/S36
39.68	Top of gypsum slope; descend 70 ft. over almost vertical slope and ledges.
40.02	True point for the ¼ sec. cor. of Secs. 25 and 36 falls on steep gypsum ledge.
40.33	Base of gypsum ledge; descend 140 ft. over W. slope of rolling red clay hills.
55.60	Change of slope; descend 70 ft. over a broken SW. slope.
75.05	Top of cliff, bears S. 30° E. and N. 40° W.; descend 25 ft. over face of cliff into Last Chance Wash.
76.84	Last Chance Wash, 300 lks. wide, 30 ft. vertical walls, drains S. 40° E. from N. 70° W. Ascend 15 ft. over channel bottom to cor.
80.04	The cor. of secs. 25, 26, 35 and 36. Land, rolling to broken. Soil, clay, gypsum and shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the cor. of Secs. 3, 4, 33 and 34, on the south boundary of the township. N. 0° 02' W., between Secs. 33 and 34. Over rolling gypsum and clay knolls and hills; ascend 10 ft. over a very gradual rolling S. slope.
23.20	Wash, 20 lks. wide, 5 ft. deep, drains N. 80° E. from S. 80° W. Continue over rolling terrain.
40.00	Point for the ¼ sec. cor. of Secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S33 | S34 1955 Continue over rolling clay and gypsum hills.
48.00	Ascend 65 ft. over a gradual S. slope.
68.33	Top of hill; descend 30 ft. over gradual N. slope to cor.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to solid shale rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,

Chains	
	T26SR7E S28 | S27 S33 | S34 1955
	Land, rolling, partially broken. Soil, clay, gypsum and shale. Timber, none. Undergrowth, greasewood, shadscale and rabbit brush.
	N. 0° 02' W., between Secs. 27 and 28.
	Over rolling clay knolls; descend 70 ft. over a rolling, gradual N. slope.
24.07	Wash, 30 lks. wide, 4 ft. deep, drains N. 60° E. from S. 70° W.; ascend 40 ft. over a rolling SE. to S. slope.
40.00	Point for the ¼ sec. cor. of Secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S28 | S27 1955
	Continue across rolling clay knolls.
50.08	South rim of canyon; descend 170 ft. over a steep, partially broken N. shale slope.
58.40	Major Wash, 80 lks. wide, drains N. 85° E. from S. 85° E. into Last Chance Wash, approximately two miles E.
73.30	Ascend 168 ft. over a steep SE. shale slope to cor.
80.00	Point for the cor. of secs. 21, 22, 27 and 28, 15 lks. S. of base of shale cliff.
	Set an iron post, 30 ins. long, 2½ ins. daim., 10 ins. in the ground to solid shale rock and in a mound of stone, 5 ft. base to top, with brass cap mkd.,
	T26SR7E S21 | S22 S28 | S27 1955
	Land, rolling, partially broken. Soil, shale and clay. Timber, none. Undergrowth, shadscale and rabbit brush.
	N. 0° 02' W., between Secs. 21 and 22.
	Ascend 12 ft. over shale ledge.
0.67	North rim of canyon, bears generally E. and W. Continue across level bench terrain.

chains	
31.50	Descend 60 ft. over a general N. slope of rolling clay and gypsum hills to cor.
40.00	Point for the ¼ sec. cor. of Secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock and in a mound of stone, 4½ ft. base to top with brass cap mkd.,
	¼ S21 | S22 1955
	Continue across rolling clay and gypsum hills; descend 50 ft. over a gradual NE. slope.
71.30	Wash, 40 lks. wide, 4 ft. deep, drains E. from W.; descend 30 ft. over general NE. rolling slope of highly eroded clay hills.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	T26SR7E S16 | S15 S21 | S22 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, rolling, highly eroded clay hills. Soil, clay and gypsum. Timber, none. Undergrowth, shadscale and rabbit brush.
	N. 0° 02' W., between Secs. 15 and 16.
	Over highly eroded clay and gypsum hills; descend 35 ft. over a general NE. slope.
9.30	Wash, 20 lks. wide, 3 ft. deep, drains E. from W. to Last Chance Wash; descend 90 ft. over a general NE. slope of highly eroded, hilly badlands of soft clay and gypsum.
40.00	Point for the ¼ sec. cor. of sec. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	¼ S16 | S15 1955
	Raise a mound of gypsum rock, 3½ ft. base, 30 ins. high W. of cor.
	Continue across highly eroded gypsum and clay hills.
62.00	Descend 20 ft. into small flat basin.
65.80	Wash, 20 lks. wide, 3 ft. deep, drains E. from W. to Last Chance Wash; continue across basin.

chains	
77.80	Leave basin; ascend 25 ft. over a steep S. slope onto rolling clay and gypsum hills.
79.30	Point for the witness cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	WC T26SR7E S9 ↑ S10 S16 | S15 1955
79.40	Descend 30 ft. over a steep N. slope.
80.00	True point for the cor. of Secs. 9, 10, 15 and 16.
	Land, rolling, highly eroded, clay hill. Soil, clay and gypsum. Timber, none. Undergrowth, shadscale and rabbit brush.
	N. 0° 02' W., between Secs. 9 and 10.
	Over rolling, hihgly eroded, clay hills.
0.20	Wash, 40 lks. wide, 3 ft. deep, drains E. from W.; ascend 30 ft. over a S. slope.
5.20	Top of ascent; descend 40 ft. over rolling clay hills to cor.
40.00	Point for the ¼ sec. cor. of Secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 3 ft. base, 24 ins. high, with brass cap mkd.,
	¼ S9 | S10 1955
	Continue over rolling, partially broken clay hills.
41.67	Descend 75 ft. over steep NE. slope into basin of Last Chance Wash.
55.58	Last Chance Wash, 90 lks. wide, 4 ft. deep channel; drains S. 20° E. from N. 35° W. Continue across flat bottom land covered with a moderate growth of rabbit brush and range grass.
59.48	Unimproved road, bears E. and W.
60.48	Base of clay slope; ascend 120 ft. over a SW. slope of a series of steep clay hills.
76.46	Top of clay hill; descend 70 ft. over a N. slope to cor.
80.00	Point for the cor. of Secs. 3, 4, 9, and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, with brass cap mkd.,
	T26SR7E S4 | S3 S9 | S10 1955

chains

Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.

Land, rolling to partially broken.
Soil, clay.
Timber, none.
Undergrowth, rabbit brush and range grass in basins.

N. 0° 02' W., between Secs. 3 and 4.

Over highly eroded clay and gypsum hills. Ascend 45 ft. over a general SW. slope of clay hills.

40.00 Point for the ¼ sec. cor. of secs. 3 and 4, at a point approximately 10 chs. E. of Last Chance Wash.

Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,

¼
S4 | S3
1955

Raise a mound of stone 2½ ft. base, 20 ins. high, W. of cor.

Continue across rolling clay and gypsum hills with a general SW. drainage.

82.93 Intersect the Fifth Standard Parallel at a point 11.13 chs. E. of the Standard Cor. of Secs. 32 and 33, T. 25 S., R. 7 E.

Point for the closing cor. of Secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,

T25SR7E
S33
S4 | S3
CC
T26SR7E
1955

Raise a mound of gypsum rock, 3 ft. base, 16 ins. high S. of cor.

Land, rolling hills.
Soil, clay and gypsum.
Timber, none.
Undergrowth, sparce rabbit brush in gulleys.

The point for the cor. of Secs. 2 and 3, on the N. boundary of the township is at proportionate position between the C.C. of Sections 3 and 4 and the NE. cor. of the township.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

T25SR7E
S34
S2 | S3
T26S
1955

Raise a mound of stone 3 ft. base, 30 ins. high, S. of cor.

Portions of the Subdivision, T. 26, S., R. 7 E.

chains

From this point, the Standard Cor. of Secs. 33 and 34, T. 25 S., R. 7 E. bears W. 11.09 chs. distant.

The point for the Cor. of Secs. 1 and 2, on the N. boundary of the township is at proportionate position between the closing cor. of Secs. 3 and 4, and the NE. cor. of the township.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone, with brass cap mkd.,

T25SR7E
S35
S2|S1
T26S
1955

Raise a mound of stone, 3½ ft. base, 36 ins. high, S. of cor.

From this point, the Standard Cor. of Secs. 34 and 35, T. 25 S., R. 7 E., bears W. 11.05 chs. distant.

The point for the ¼ sec. cor. of Sec. 2, Midway between the cor. of Secs. 1 and 2, and the cor. of Secs. 2 and 3 on the N. boundary of the township.

At the cor. point.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,

¼ S2
1955

From this point, the Standard ¼ Sec. Cor. of Sec. 34, T. 25 S., R. 7 E., bears W. 11.07 chs. distant.

From the cor. of Secs. 1 and 2 on the N. boundary of the township.

S. 0° 01' E., between Secs. 1 and 2.

Over rolling clay and gypsum hills; descend 60 ft. over a rolling, general SE. slope.

29.07 Wash, 70 lks. wide, 6 ft. deep, drains S. 45° E. from N. 75° W.; continue across rolling terrain.

42.86 Point for the ¼ sec. cor. of Secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

¼
S2|S1
1955

Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.

Descend 65 ft. over a gradual rolling S. to SW. slope.

chains	
57.06	Wash, 70 lks. wide, 7 ft. deep, drains S. 70° W. from N. 60° E.; ascend 40 ft. over a rolling NW. slope.
68.49	Top of ascent; continue across nearly level flat.
79.99	Unimproved dirt road, bears in a general E - W. direction.
82.86	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.,
	T26SR7E S2 | S1 S11 | S12 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, rolling. Soil, clay and shale. Timber, none. Undergrowth, rabbit brush, greasewood and sparce range grass.
	From the cor. of secs. 2 and 3 on the N. boundary of the township.
	S. 0° 01' E., between Secs. 2 and 3.
	Over rolling clay knolls and hills; descend 30 ft. over a very gradual SW. slope.
42.90	Point for the ¼ sec. cor. of Secs. 2 and 3.
	Set and iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to gypsum rock; and in a mound of gypsum rock, 3 ft. base to top, with brass cap mkd.,
	¼ S3 | S2 1955
	Descend 115 ft. over a rolling SW. slope.
82.41	Wash, 60 lks. wide, 5 ft. deep, drains S. 70° W. from N. 60° E.; ascend 10 ft. over a NW. slope.
82.90	Point for the cor. of Secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid gypsum rock, and in a mound of rock, 3 ft. base to top, with brass cap mkd.,
	T26SR7E S3 | S2 S11 | S10 1955
	Land, rolling. Soil, clay and gypsum. Timber, none. Undergrowth, shadscale and rabbit brush.
	N. 89° 59' E., between Secs. 2 and 11.

Portions of the Subdivision, T. 26 S., R. 7 E.

chains	
	Over rolling clay knolls and hills; ascend 95 ft. over a general SW. rolling slope.
28.93	Top of ascent; descend 45 ft. over a SE. slope.
35.55	Wash, 100 lks. wide, 6 ft. deep, drains S. 45° W. from N. 45° E. An unimproved dirt road runs along the bottom of this wash at this point. Ascend 70 ft. over a steep NW. to W. slope.
40.03	Point for the ¼ sec. cor. of Secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	¼ S2/S11
	1955
	Continue ascent of 50 ft. over a general W. slope of rolling terrain.
69.60	Top of ascent; continue across a nearly level flat covered with a moderate undergrowth.
80.06	The cor. of Secs. 1, 2, 11 and 12.
	Land, rolling to nearly level. Soil, clay. Timber, none. Undergrowth, shadscale, rabbit brush and range grass.
	From the cor. of Secs. 15, 16, 21 and 22.
	West, between Secs. 16 and 21.
	Over highly eroded clay and shale hills; ascend 60 ft. over a general NE. slope.
18.78	Wash, 60 lks. wide, 12 ft. deep, drains N. 40° E. from S. 40° W. Continue ascent of 55 ft. over highly eroded clay and shale hills.
40.00	Point for the ¼ cor. of Secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S16/S21
	1955
	Continue ascent of 50 ft. over a rolling NE. slope of rolling clay and shale hills.
61.55	Wash, 50 lks. wide, 13 ft. almost vertical clay banks, drains N. 10° E. for 4 chs. thence N. 60° E. from S. 20° W. Continue ascent of 125 ft. over a general NE. to E. shale slope.
80.00	Point for the cor. of Secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid shale rock, and in a mound of stones, 3½ ft. base to top, with brass cap mkd.,

chains	
	T26SR7E S17 | S16 S20 | S21 1955 Land, highly eroded bench terrain. Soil, clay and shale. Timber, none. Undergrowth, shadscale.
	N. 0° 03' W., between Secs. 16 and 17. Over highly eroded bench terrain, across a NE. slope of clay and shale hills.
40.00	Point for the ¼ sec. cor. of Secs. 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid shale rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S17 | S16 1955 Continue across a rolling NE. to E. slope.
77.41	Wash, 70 lks. wide, 6 ft. deep, drains N. 85° E. from S. 85° W.; continue across an E. rolling slope.
80.00	Point for the cor. of Secs. 8, 9, 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd., T26SR7E S8 | S9 S17 | S16 1955 Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor. Land, rolling. Soil, shale and clay. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the true point for the cor. of secs. 9, 10, 15 and 16. N. 89° 59' W., between Secs. 9 and 16. Over highly eroded clay hills; ascend 20 ft. over a steep NE. slope.
1.68	Top of clay hill; continue ascent of 60 ft. over a series of rolling clay hills and a general NE. slope to cor.
39.97	Point for the ¼ sec. cor. of Secs. 9 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., ¼ S9 S16 1955

Portions of the Subdivision, T. 26 S., R. 7 E.

chains	
	Raise a mound of stone, 3½ ft. base, 20 ins. high, N. of cor.
	Continue across a rolling SE. to E. slope.
41.21	Wash, 90 lks. wide, 12 ft. deep, drains S. 70° E. from N. 65° W. Ascend 40 ft. over a SE. to E. general slope.
79.94	The cor. of Secs. 8, 9, 16 and 17.
	Land, rolling hills. Soil, clay. Timber, none. Undergrowth, shadscale.
	From the cor. of Secs. 4, 5, 32 and 33, on the South boundary of the township.
	N. 0° 03' W., between Secs. 32 and 33.
	Over rolling shale slopes and hills.
	Ascend 60 ft. over a S. slope.
17.10	Edge of bench; continue across severely eroded clay and gypsum hills to cor.
40.00	Point for the ¼ sec. cor. of Secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	S32 | S33 1955
	Raise a mound of stone, 2 ft. base, 14 ins. high, W. of cor.
	Continue across highly eroded clay and gypsum hills with a general SW. drainage and gradual slope.
51.58	Base of high butte; ascend 365 ft. over a rocky S. to SW. slope covered with trachyte boulders of various sizes.
69.99	Crest of main spur of mesa; projects W. 15 chs. to desert floor and E. 3 chs. to base of cliff which forms rim of mesa. Descend 230 ft. over a W. to NW. rocky slope.
79.00	Wash, 30 lks. wide, 6½ ft. deep, drains W. to valley floor from S. 65° E. on top of island mesa.
80.00	Point for the cor. of Secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T26SR7E S29 | S28 S32 | S33 1955
	Land, rolling clay hill to mountainous slopes. Soil, clay, sandy shale, gypsum and trachyte rocks. Timber, none. Undergrowth, rabbit brush and range grass.

chains	
	From the cor. of Secs. 5, 6, 31 and 32, on the South boundary of the township.
	N. 0° 03' E., between Secs. 31 and 32.
	Over rolling clay hills; ascend 90 ft. over a rolling SW. slope.
40.00	Point for the ¼ Sec. cor. of Secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,
	¼ S31 | S32 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue to ascend 30 ft. over a rolling gradual SW. slope of clay hills.
51.87	Wash, 60 lks. wide, 3 ft. deep, drains S. 20° W. from N. 30° E. on a meandering course. Continue across rolling terrain.
76.25	Wash, 50 lks. wide, 2½ ft. deep, drains S. 10° E. from N. 30° W. Ascend 20 ft. over a general SE. slope to cor.
80.00	Point for the cor. of Secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T26SR7E S30 | S29 S31 | S32 1955
	Land, rolling. Soil, clay, sandy clay. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of Secs. 28, 29, 32 and 33.
	S. 89° 58' W., between Secs. 29 and 32.
	Descend 145 ft. over a rocky NW. slope covered with trachyte boulders.
16.47	Base of slope; continue across rolling clay terrain.
40.01	Point for the ¼ sec. cor. of Secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S29 S32 1955
	Raise a mound of stone, 2½ ft. base, 18 ins. high, N. of cor.
	Continue across rolling clay hills; descend 20 ft. over a general NW. to N. slope.

chains	
77.80	Wash, 20 lks. wide, 2 ft. deep, drains S. 45° W. from N. 40° E. Ascend 10 ft. over E. slope of clay hill.
80.02	The cor. of Secs. 29, 30, 31 and 32.
	Land, mountainous slopes to rolling clay hills. Soil, clay, sandy clay and trachyte rocks. Timber, none. Undergrowth, rabbit brush and range grass.

General Description

Township 26 South, Range 7 East totally encompasses an area that is locally known as the "Last Chance Dome." The structure of the dome is that of gentle slopes on all sides, except the east; there, heavy erosion caused by Last Chance Wash, has produced bad-land terrain of many steep-sloped gulleys and clay hills. The south tier of sections of this township fall on the north edge of the Middle Desert, and in this vicinity, are two large, high, flat-topped, isolated mesas. These mesas are the most significant and outstanding geological structure within the township.

Drainage of the area is affected by two large washes, both belonging to the same drainage system. The exceptionally large Last Chance Wash enters the township on the north boundary of Section 4, drains southeasterly, and leaves on the south boundary of Section 36. The Middle Desert Wash drains the west and south portions of the township; flows southward through Section 31 onto the Middle Desert and then reverses its direction to closely approach the south boundary of the township along the sections 35 and 36.

The soil varies from a red clay found in the eastern part of the township, to a sandy clay covering the larger remaining area. The eastern red clay hills are generally barren; however, the sandy clay soil supports a good growth of desert sage, rabbit brush and range grass. Juniper and pinon trees are found only at the top of the large isolated mesas in the southern part of the township.

Access to the township is gained indirectly by the Caineville-Emery unimproved road. In the center of the Middle Desert, a dirt road, built by an oil exploration company, leaves the Caineville-Emery road and bears northeast. This dirt road enters the township on the west boundary of Section 19, running northeast, leaving on the east boundary of Section 1. Access to every part of this township can be made by branch trails from this road.

A number of uranium mining locations are scattered throughout this township. Four capped oil or gas wells are located in Section 17 of the township. No other evidence of any mineral was found during the progress of this survey.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Note Keeper
Frank A. Brinkerhoff	Chainman
DeeVon Thompson	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

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I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of April 1955, I have surveyed the East and West Boundaries and Portions of the Subdivision of Township 26 South, Range 7 East

of the Salt Lake Meridian, in the State of Utah; which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

April 2, 1956

Kenneth F. Hansen
Kenneth F. Hansen
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1956, *19*

The foregoing field notes of the survey of the East and West Boundaries and Portions of the Subdivision of Township 26 South, Range 7 East

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
~~Chief, Division of Cadastral Engineering.~~
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes.~~

~~Chief, Division of Cadastral Engineering.~~

U. S. GOVERNMENT PRINTING OFFICE 16—83568-2

(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion of the Subdivisional Lines

in

Township 26 South, Range 8 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated April 15, *19* 55, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* July 30, *19* 56

Survey commenced August 30, *19* 56

Survey completed September 13, *19* 56

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 26 South, *Range* 8 East

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16—56770-1

1327

Chains

The north boundary (Fifth Standard Parallel South) was originally surveyed by Ferdinand Dickert in 1878 and resurveyed by J. C. Clark in 1932. The east boundary was surveyed by Andrew Nelson and Phil D. Smith in 1955, and the south and west boundaries were surveyed by Kenneth F. Hansen in 1955.

The following field notes are those of the subdivision considered sufficient in extent to facilitate the development of the natural resources and to identify the boundaries of those sections normally considered as State school land. The corners along the latitudinal section lines were established on true latitudinal curves and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided. The south boundary of section 2 was established on the line calculated to connect the cor. of secs. 1, 6, 7 and 12 on the east boundary of the township and the cor. of secs. 4, 5, 8 and 9.

The survey was executed with a Gurley solar transit No. 41442, property of the Bureau of Land Management and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved solar attachment. The horizontal plate is provided with two double verniers placed opposite to each other and the vertical circles have one double vernier. The vertical vernier is graduated to single minutes and the horizontal verniers to 30 seconds of arc. Since the solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The geographic position of the SE. cor. of the township is as follows: Latitude 38° 29' 53.83" N., Longitude 110° 59' 22.01" W., determined from section line ties made to U. S. Coast and Geodetic Survey Station "Starvation", located in sec. 3, T. 27 S., R. 9 E. The mean magnetic declination was found to be 15° 30' E.

The directions of the lines of the survey were determined by reference to true meridians established on line by direct observation on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, 8 chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were tested by comparison to a Lufkin standard steel tape 1 chain in length and found to be correct. The measurements were made on the slopes and the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents which appear in these notes. In most cases the measurements were determined by chaining, but in some instances they were obtained by triangulation or traverses. The details of the latter were verified and the true line distances only were recorded in these field notes.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 8 E.

Beginning at the true point for the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, which is witnessed S. 89° 57' W., 8.83 chs. dist. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.

Thence

N. 0° 01' W., bet. secs. 35 and 36.

Chains	
	Asc. 120 ft. from bottom of rough canyon, over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 16 ins. long, 1 in. diam., 10 ins. in drilled hole, with brass cap mkd. T26S R8E ¼ S 35 | S 36 1956
	Desc. 30 ft. over slickrock, on W. slope.
45.00	Dry wash, drains S. 10° E.; thence asc. 300 ft. over slickrock on SE. slope.
78.50	Over flat desert.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E S26 | S25 S35 | S36 1956
	Land, sandstone outcroppings. Soil, scant. Vegetation, scattered blackbrush.
	Beginning at the true point for the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, from which a witness point bears South, 10.70 chs. dist., mkd. by a 1 in. iron post, set, mkd. and witnessed as described in the official record.
	S. 89° 53' W., bet. secs. 25 and 36.
	Asc. 400 ft. over slickrock, on E. slope.
13.60	Spur, projects S.; thence desc. 125 ft. on W. slope.
19.80	Dry wash, drains S.; thence asc. 75 ft. on NE. slope.
23.15	Spur, projects S. 20° E.; thence desc. 70 ft. on SW. slope.
28.90	Dry wash, drains S. 70° E.; thence asc. 50 ft. on NE. slope.
39.91	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E S 25 ¼ S 36 1956
	Asc. 160 ft. over NE. slope.
44.80	Over slickrock on gradual S. slope.
64.80	Desc. 120 ft. on SW. slope.

Chains	
71.30	Dry wash, drains S. 70° E.; thence asc. 120 ft. over NE. slope.
77.30	Over desert land.
79.82	The cor. of secs. 25, 26, 35 and 36. Land, rough canyons divided by spurs. Soil, thin layer of sand. Vegetation, bunch grass and blackbrush.
	Beginning at the true point for the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, which is witnessed S. 89° 57' W., 0.80 chs. dist. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record. N. 0° 03' W., bet. secs. 32 and 33. Desc. 50 ft. over slickrock on NE. slope.
10.00	Bottom of rough canyon, drains S. 60° E., 15 chs. into main canyon; thence asc. 220 ft. over sandstone outcroppings, on SW. slope.
24.00	Spur, projects S. 70° E.; thence across spur.
27.70	North rim of spur; thence desc. 80 ft. on N. slope.
32.00	Dry wash, drains E.; thence asc. 90 ft. on S. slope.
36.40	Over sandstone outcroppings.
38.84	Point selected for the witness ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap mkd. T26S R8E ¼ S 32 ↑ S 33 W C 1956 Desc. 60 ft. over ledges, on NE. slope.
40.00	True point for the ¼ sec. cor. of secs. 32 and 33 is inaccessible; thence desc. 100 ft. over ledges, on NE. slope.
45.00	Dry wash, drains S. 80° E.; thence asc. 200 ft. over sandstone outcroppings, on SW. slope.
53.00	On a small round knob; thence desc. 160 ft. over NE. slope.
61.00	Dry wash, drains S. 80° E.; thence asc. 110 ft. over rough sandstone outcroppings on SW. slope.
79.15	Point selected for the witness cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E S29 ↑ S28 S32 | S33 W C 1956

Asc. 30 ft. over ledge, on SW. slope.

80.00 True point for the cor. of secs. 28, 29, 32 and 33 is inaccessible.

Land, ledges and washes.
Soil, none.
Vegetation, none.

N. 0° 03' W., bet. secs. 28 and 29.

Over rough sandstone outcroppings on E. slope.

28.00 Desc. 125 ft. over ledges, on N. slope.

37.00 Bottom of canyon, drains E., 6 chs., thence S. 20° E.; asc. 40 ft. on line, over ledges.

40.00 True point for the ¼ sec. cor. of secs. 28 and 29 is inaccessible.

Asc. 200 ft. on SW. slope.

47.20 Point selected for the witness ¼ sec. cor. of secs. 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap mkd.

T26S R8E
¼
S 29 | S 28
W C
1956

Over rolling desert land.

62.00 Dry wash, 25 ft. deep, 1.50 chs. wide, drains W.

73.70 Dry wash, 20 ft. deep, 90 lks. wide, drains W.

80.00 Point for the cor. of secs. 20, 21, 28 and 29.

Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

T26S R8E
S20 | S21
S29 | S28
1956

Land, south ½ mile, rough; north ½ mile, rolling desert.
Soil, sand on rolling desert.
Vegetation, bunch grass, shadscale, and Brigham tea.

N. 0° 03' W., bet. secs. 20 and 21.

Over rolling desert.

8.80 Dry wash, 50 ft. deep, 3.00 chs. wide, drains W.

[illegible] Dry wash, 20 ft. deep, 2.00 chs. wide, drains N. 70° W.

[illegible] Dry wash, 60 ft. deep, 5 chs. wide, drains W.

[illegible] Point for the ¼ sec. cor. of secs. 20 and 21.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 20 | S 21 1956
	Over rolling desert.
43.20	Dry wash, 40 ft. deep, 4.00 chs. wide, drains W.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E S17 | S16 S20 | S21 1956
	Land, rolling desert. Soil, sand. Vegetation, bunch grass, shadscale, and Brigham tea.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling desert.
34.40	Dry wash, 20 ft. deep, 50 lks. wide, drains W.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 17 | S 16 1956
	Over rolling desert.
45.75	Dry wash, 20 ft. deep, 2.00 chs. wide, drains N. 75° W.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E S8 | S9 S17 | S16 1956
	Land, rolling desert. Soil, sand. Vegetation, bunch grass, shadscale, and Brigham tea.
	N. 0° 03' W., bet. secs. 8 and 9.
	Over rolling desert.

Chains	
12.00	Dry wash, 10 ft. deep, 60 lks. wide, drains N. 75° W. with secondary road in the bottom.
40.00	Point for the ¼ sec. cor. of secs. 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 8 | S 9 1956 Over rolling desert.
49.80	Dry wash, 10 ft. deep, 50 lks. wide, drains W.
52.20	Dry wash, 12 ft. deep, 50 lks. wide, drains W.
65.70	Dry wash, 20 ft. deep, 3.00 chs. wide, drains W.
71.20	Dry wash, 15 ft. deep, 2.50 chs. wide, drains W.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E S5 | S4 S8 | S9 1956 Land, rolling desert. Soil, sand. Vegetation, bunch grass, shadscale, and Brigham tea.
	N. 0° 03' W., bet. secs. 4 and 5. Over rolling desert.
14.30	Dry wash, 15 ft. deep, 100 lks. wide, drains W.
30.80	Dry wash, 20 ft. deep, 2.00 chs. wide, drains W.
36.50	Dry wash, 20 ft. deep, 5.00 chs. wide, drains W.
40.00	Point for the ¼ sec. cor. of secs. 4 and 5. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 5 | S 4 1956 Over rolling desert.
48.60	Dry wash, 15 ft. deep, 1.50 chs. wide, drains W.
49.40	Dry wash, 25 ft. deep, 1.00 chain wide, drains W.
83.02	Point for the closing cor. of secs. 4 and 5, on the N. bdy. of the township.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T25S R8E S 32 S5 | S4 C C 1956 From this corner, the standard cor. of secs. 31 and 32, on the S. bdy. of T. 25 S., R. 8 E., which is monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record, bears West, 12.86 chs. dist. Land, rolling desert. Soil, sand. Vegetation, bunch grass, shadscale, and Brigham tea.
	At the point for the closing cor. of secs. 2 and 3, T. 26 S., R. 8 E., at proportionate distance along the Fifth Standard Parallel South. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T25S R8E S 34 S3 | S2 T26S R8E C C 1956 From this corner, the standard cor. of secs. 33 and 34, on the S. bdy. of T. 25 S., R. 8 E., which is monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record, bears West, 12.65 chs. dist. Thence S. 0° 01' E., bet. secs. 2 and 3. Over rolling desert land.
8.30	Dry wash, 30 ft. deep, 5 chs. wide, drains W.
17.00	Secondary road, bears E. and W.
24.30	Dry wash, 20 ft. deep, 60 lks. wide, drains W.
28.90	Dry wash, 15 ft. deep, 30 lks. wide, drains W.
42.28	Point for the ¼ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 3 | S 2 1956 Over rolling desert.
45.20	Dry wash, 5 ft. deep, 20 lks. wide, drains N. 65° W.

Survey of a Portion of the Subdivisional Lines of T. 26 S., R. 8 E.

Chains	
45.70	Dry wash, 20 ft. deep, 30 lks. wide, drains W.
57.50	Dry wash, 25 ft. deep, 25 lks. wide, drains W.
80.00	Dry wash, 6 ft. deep, 15 lks. wide, drains W.
82.28	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone to top, with brass cap mkd.
	T26S R8E S3 | S2 S10 | S11 1956
	Land, rolling desert. Soil, sand. Vegetation, bunch grass, shadscale, and blackbrush.

At the point for the closing cor. of secs. 1 and 2, T. 26 S., R. 8 E., at proportionate distance along the Fifth Standard Parallel South.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T25S R8E
S 35
S2 | S1
T26S R8E
C C
1956

From this corner, the true point for the standard cor. of secs. 34 and 35, T. 25 S., R. 8 E., bears West, 12.55 chs. dist., and is witnessed East, 4.65 chs. dist. by a 2 in. iron post, set, mkd. and witnessed as described in the official record.

Thence

S. 0° 01' E., bet. secs. 1 and 2.

Over rolling desert.

Chains	
2.00	Secondary road, bears E. and W.
41.91	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26S R8E ¼ S 2 | S 1 1956
	Over rolling desert.
60.50	Dry wash, 15 ft. deep, 2.00 chs. wide, drains S. 10° W.
79.00	Dry wash, 2.50 chs. wide, drains SE.
81.91	Point for the cor. of secs. 1, 2, 11 and 12.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R8E S2 | S1 S11 | S12 1956 Land, rolling desert. Soil, sand. Vegetation, bunch grass, blackbrush, and scattered junipers.
	S. 89° 41' W., bet. secs. 2 and 11. Over rolling desert.
17.00	Secondary road, bears N. 45° W. and S. 45° E.
33.60	Secondary road, bears N. 15° E. and S. 15° W.
39.96	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 2 / S 11 1956 Over rolling desert land.
64.90	Asc. 360 ft. over sandstone outcroppings, on E. slope.
76.92	Rim, bears N. 10° E. and S. 10° W.; thence over rolling desert.
79.92	The cor. of secs. 2, 3, 10 and 11. Land, rolling desert, with one steep sandstone slope. Soil, sand. Vegetation, bunch grass, blackbrush, and scattered juniper.
	From the cor. of secs. 16, 17, 20 and 21. East, bet. secs. 16 and 21. Over rolling desert.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R8E ¼ S 16 / S 21 1956 Over rolling desert.
62.90	Dry wash, 10 ft. deep, 2.00 chs. wide, drains S.
74.60	Dry wash, 8 ft. deep, 1.50 chs. wide, drains S. 60° W.

Chains		Chains
80.00	Point for the cor. of secs. 15, 16, 21 and 22.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E S16 | S15 S21 | S22 1956	
	Land, rolling desert. Soil, sand. Vegetation, bunch grass and blackbrush.	
	N. 0° 02' W., bet. secs. 15 and 16.	
	Over rolling desert.	
5.20	Dry wash, 10 ft. deep, 3.00 chs. wide, drains S. 40° W.	
33.60	Secondary road, bears E. and W.	
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E ¼ S 16 | S 15 1956	
	Over rolling land.	
44.40	Dry wash, 6 ft. deep, 6.00 chs. wide, drains W.	
80.00	Point for the cor. of secs. 9, 10, 15 and 16.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R8E S9 | S10 S16 | S15 1956	
	Land, rolling desert. Soil, sand. Vegetation, bunch grass and blackbrush.	
	S. 89° 58' W., bet. secs. 9 and 16.	
	Over rolling desert.	
4.10	Dry wash, 6 ft. deep, 40 lks. wide, drains S.	
39.96	Point for the ¼ sec. cor. of secs. 9 and 16.	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T26S R8E S 9 ¼ S 16 1956	

Chains	
	Over rolling desert.
79.92	The cor. of secs. 8, 9, 16 and 17.
	Land, rolling desert. Soil, sand and shale. Vegetation, bunch grass and blackbrush.
	Beginning at the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, which is mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over rolling desert.
22.10	Dry wash, 20 ft. deep, 75 lks. wide, drains S. 45° E.
30.10	Dry wash, 10 ft. deep, 30 lks. wide, drains S. 30° E.
35.60	Dry wash, 10 ft. deep, 40 lks. wide, drains S. 25° E.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E ¼ S 31 | S 32 1956
	Over rolling desert.
48.80	South rim of canyon, bears N. 45° W. and E.; thence desc. 80 ft. on N. slope.
52.10	Dry wash, drains S. 80° E.; thence asc. 90 ft. on S. slope.
56.70	N. rim, bears N. 45° W. and N. 50° E.; thence over rolling desert.
65.10	Dry wash, 5 ft. deep, 50 lks. wide, drains S. 85° W.
77.47	Dry wash, 15 ft. deep, 60 lks. wide, drains S. 70° W.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, with brass cap mkd. T26S R8E S30 | S29 S31 | S32 1956
	Land, rolling desert, cut with washes. Soil, sand and shale. Vegetation, blackbrush.
	From the true point for the cor. of secs. 28, 29, 32 and 33.
	S. 89° 57' W., bet. secs. 29 and 32.

Chains	
	Asc. 60 ft. over ledge on E. slope.
15.90	Dry wash, 40 ft. deep, 5.00 chs. wide, drains S. 35° E.; thence continue over rough sandstone outcroppings.
32.00	Dry wash, 20 ft. deep, 50 lks. wide, drains S. 10° W.; thence over rolling desert.
35.30	Dry wash, 10 ft. deep, 30 lks. wide, drains S.
40.03	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26S R8E ¼ S 29 / S 32 1956
	Over rolling desert.
49.70	Dry wash, 25 ft. deep, 50 lks. wide, drains S. 20° E.
57.80	Dry wash, 10 ft. deep, 30 lks. wide, drains S.
62.40	Dry wash, 15 ft. deep, 75 lks. wide, drains S.
70.30	Dry wash, 30 ft. deep, 1.20 chs. wide, drains S. 20° E.
75.00	Dry wash, 25 ft. deep, 75 lks. wide, drains S.
80.06	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling desert cut with washes on west, rough on east portion. Soil, sand and shale. Vegetation, blackbrush.

General Description

The general elevation of the township ranges from about 5600 feet to 6700 feet above sea level. The west ¾ of the township is rolling desert, cut with many washes; the east ¼ of the township is primarily rough sandstone outcroppings, with one large canyon. The extreme southern and eastern portion of the township drains in a southerly direction and the remainder drains westerly. The soil is sand and shale.

Vegetation consists principally of scattered undergrowth of bunch grass, blackbrush, Brigham tea, and juniper.

The grazing is fair, being best suited for winter use.

There is no cultivated land or any other type of development work within the township.

4-600
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
John R. Koger	Notekeeper
LaMaun Sorensen	Notekeeper
Max Ricketts	Chainman
Bill Savage	Chainman
Wayne DeLange	Flagman
Howard Christensen	Cornerman

16—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Woodrow H. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of April, 19[illegible] I have surveyed a portion of the subdivisional lines in T. 26 S., R. 8 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 1, 1957

Woodrow H. Sylvester
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 20 1957, *19*

The foregoing field notes of the survey of a portion of the subdivisional lines in T. 26 S., R. 8 E., Salt Lake Meridian, Utah

executed by Woodrow H. Sylvester

having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~*Cadastral Engineering Staff Officer.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—53565-3

Form 9-879
(September 1948)

ORIGINAL

10

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the West Boundary

and

A Portion of the Subdivision

of

Township 26 South, Range 9 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral

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Under special instructions dated April 12, *19* 54, *which provided for the surveys included under Group No.* 395, *approved* May 24, 1954 *and assignment instructions dated* July 15, *19* 55

Survey commenced July 20, *19* 55

Survey completed September 2, *19* 55

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

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2402

T. 26 S., R. 9 E.

The south boundary of the township was surveyed by Elliott Bird in 1940 as the north boundary of T. 27 S., T. 9 E. The east boundary was surveyed by Kenneth F. Hansen in 1954 as part of this group. The north boundary or the 5th Standard Parallel South, through Range 9 East, was surveyed by J. C. Clark in 1932.

The following field notes are those of the survey of the west boundary and a portion of the subdivision in T. 26 S., R. 9 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

The survey was executed with Buff and Buff solar transit number 23831, and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length, these tapes were graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position of the southeast corner of the township is latitude 38° 29' 54" N., longitude 110° 52' 47" W., as computed from U.S.C. and G. S. triangulation station "Starvation," located in sec. 3, T. 27 S., R. 9 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was 16°00' E.

Survey of the West Boundary, T.26S., R.9 E.

From the cor. of Ts. 26 and 27 S., Rs. 8 and 9 E., marked by an iron post, 3 ins. diam., set as described in the official record.

North, bet. secs. 31 and 36.

Asc. 250 ft. over series of washes and spurs, putting SE. along broken SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

West Boundary, T. 26 S., R. 9 E.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd. ¼ S36 | S31 1955
	Asc. 30 ft. over series of washes and spurs, putting SE., along broken SE. slope.
56.60	Rim of canyon, bears NW. and SE.; desc. 320 ft. over series of limestone shale and sandstone ledges, along NE. slope, along W. breaks of canyon.
65.30	Wash, in side gulch, course S. 80° E., about 6 chs. dist. to junction with wash in main canyon; asc. 250 ft. over broken sandstone ledges on S. slope.
69.30	Point selected for witness point for secs. 31 and 36. Set an iron post, 30 ins. long, 1 in. diam., drilled 12 ins. in solid sandstone, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked W P S36 | S31 1955
	Corner is located on spur sloping E. Thence by triangulation across a canyon coursing southwesterly, topography estimated. Desc. 320 ft. over broken sandstone ledges, along NE. slope.
77.00	Side gulch, course S. 80° E., for about 1⅓ chs. to junction with wash, in main canyon.
80.00	True point for the cor. of secs. 25, 26, 35, and 36, falls on inaccessible breaks on W. side of canyon. Land, broken breaks of canyon, on the Moroni Slopes. Soil, solid sandstone. Timber, scattered scrub juniper and pinon.
	North, between secs. 25 and 30.
2.50	Spur, slopes S. 60° E., about 200 ft. above side gulch to S.; desc. 180 ft. over broken sandstone ledges into canyon, along NE. slope.
7.50	Wash, in bottom of canyon, course SE.; asc. 140 ft. over broken sandstone ledges, along SW. slope.
14.00	Spur, slopes N. 80° W.; desc. 120 ft. over broken ledges, along a NW. slope.
18.00	Recross wash, in bottom of canyon, course W.; continue along bottom of canyon.
21.00	Recross wash, course SE.; asc. 800 ft. over broken sandstone ledges along W. slope to witness cor.

West Boundary, T. 26 S., R. 9 E.

Chains	
40.00	True point for the ¼ sec. cor. of secs. 25 and 30, falls on inaccessible breaks of anyon, unable to set cor.
80.00	True point for cor. of secs. 19, 24, 25, and 30, falls on face of sandstone ledge.
	Land, broken sandstone breaks of a canyon through the Moroni slopes. Soil, shallow sand on sandstone. No timber.

North, between secs. 19 and 24.

Over very broken sandstone land draining southeasterly into Salt Wash.

5.00 Point selected for witness cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, 1 in. diam., drilled 8 ins. in solid sandstone, and in a mound of stone, 3 ft. base to cap, with brass cap mkd.

T26S
R8E | R9E
S24 | S19
S25 | S30
↓
W C
1955

Cor. sets 800 ft. above canyon bottom. End of triangulation.

Over broken sandstone land, draining southeasterly; asc. 10 ft. along broken sandstone SE. slope.

15.20 Spur, slopes S. 20° E.; desc. 60 ft. along broken sandstone E. slope, through scattered scrub juniper and pinon.

27.70 Wash, near head, course S. 20° E.; asc. 100 ft. along broken SW. slope.

35.60 Spur, slopes SE.; desc. 50 ft. along broken NE. slope.

38.70 Wash, near head, course S. 20° E.

40.00 Point for the ¼ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in solid rock, and in a mound of stone, 3 ft. base to top of post, with brass cap marked

¼

S24 | S19

1955

From this cor. U.S.G.S. triangulation station "Trough", bears N. 14° 17' W., 9.87 chs. dist. Latitude of station is 38° 32' 10.579" N., longitude is 110° 59' 23.920" W.

Asc. 80 ft. along broken SW. slope.

45.40 Rim bears NE. and SW.; desc. 650 ft. along broken sandstone ledges, NW. and N. slopes.

West Boundary, T. 26 S., R. 9 E.

Chains	
61.30	Wash, course E.; asc. 140 ft. over broken sandstone, S. slope.
65.40	Spur, slopes S. 80° E.; desc. 90 ft. along broken NE. Slope.
80.00	Point for the cor. of secs. 13, 18, 19, and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	T26S R8E | R9E S13 | S18 S24 | S19 1955
	Land, broken sandstone land in Segers Hole, draining easterly on N. part; S. part broken land on Moroni Slope. Soil, shallow sand on sandstone. Timber, scattered scrub pinon and juniper.
	North, bet. secs. 13 and 18.
	Over broken sandstone land of Segers Hole, through scattered scrub pinon and juniper; asc. 140 ft.
30.50	Ridge, bears NW. and S. 70° E.; desc. 40 ft. along NE. slope.
35.40	Point selected for witness ¼ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	¼ W | C S13 | S18 1955
	Cor is 240 ft. above wash to N.
	Desc. 240 ft. over broken sandstone ledges, N. slope, to wash.
40.00	True point for ¼ sec. cor. of secs. 13 and 18, falls on broken sandstone ledges, unable to occupy true position.
47.50	Wash, course NE.; asc. 90 ft. over broken S. slope.
58.20	Spur, slopes SE.; asc. 60 ft. over a series of small washes and spurs putting southeasterly.
80.00	Point for cor. of secs. 7, 12, 13, and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., over X on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T26S R8E | R9E S12 | S7 S13 | S18 1955

West Boundary, T. 26 S., R. 9 E.

Chains	
	Land, broken sandstone bottom of Segers Hole, draining SE. Soil, shallow sand on sandstone. Timber, scattered scrub juniper and pinon.
	North, between secs. 7 and 12.
	Over broken sandstone land, draining southeasterly, through scattered juniper and pinon; asc. 80 ft. over S. slope.
16.00	Wash, course SE.; asc. 220 ft. along broken sandstone, SW. slope.
32.50	Spur, slopes SW.; desc. 100 ft. along broken sandstone, NW. slope.
37.90	Wash, course W.; asc. 50 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	Set an iron post, 36 ins. long, 1 in. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd. ¼ S12 | S7 1955
	Asc. 40 ft. along SW. slope.
49.50	Spur, slopes N. 60° W.; desc. 70 ft. along NW. slope.
58.10	Wash, course W.; asc. 160 ft. over broken sandstone ledges, on S. slope.
63.90	Top of ascent, slopes sharply W.; desc. 50 ft. along broken sandstone W. slope.
74.80	Wash, course S. 80° W.; asc. 40 ft. over S. slope.
77.40	Point selected for witness cor. of secs. 1, 6, 7, and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd. T26S W C R8E | R9E S1 | S6 S12 | S7 1955
	Spur, projects W.; desc. 80 ft. over broken sandstone ledges, on N. slope.
80.00	True point for the cor. of secs. 1, 6, 7, and 12 falls in wash, course W.
	Land, broken sandstone land, draining westerly. Soil, shallow sand on sandstone. Timber, scattered scrub juniper and pinon.

West Boundary, T. 26 S., R. 9 E.

Chains	
	North, bet. secs. 1 and 6.
	Over broken sandstone land, through scattered juniper and pinon; asc. 210 ft. over sandstone ledges, S. slope.
6.30	Spur, slopes W.; desc. 190 ft. along broken sandstone on NW. slope.
25.50	Wash, course W.; asc. 130 ft. over broken sandstone ledges, on S. slope.
27.00	Spur, slopes SW.; desc. 110 ft. over broken sandstone ledges on NW. slope.
33.50	Small wash, course SW.; asc. 170 ft. over broken sandstone ledges, along SW. slope changing to S. slope, to witness cor.
40.00	True point for the ¼ sec. cor. of secs. 1 and 6, falls on inaccessible ledges.
41.70	Point selected for witness ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 36 ins. long, 1 in. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	¼ S1 | S6 W C 1955
	Asc. 50 ft. along broken sandstone on SE. slope.
55.80	Ridge, bears N. 10° W. and SE., point of beginning of triangulation.
	By triangulation continue along broken sandstone ledges and high cliffs on E. slope; desc. 120 ft. to witness cor.
81.54	Intersect the 5th Standard Parallel South, R. 8 E., on the S. bdy. of sec. 36; true point for the closing cor. of Ts. 26 S., Rs. 8 and 9 E., falls on inaccessible cliffs on breaks of the Muddy River.
	Point selected for the witness closing cor. of Ts. 26 S., Rs. 8 and 9 E., 2.03 chs. dist. West.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an X on solid sandstone, and in a mound of stone, 5 ft. base to top of post, with brass cap mkd.
	T25SR8E S36 W S1 | S6 C R8E | R9E C | C 1955
	From the true point for the closing cor., the standard cor. of secs. 35 and 36, bears West, 12.45 chs. dist.
	Land, high and broken sandstone cliffs and ledges of the breaks of the Muddy River. Soil, shallow sand with sandstone outcroppings. Timber, scattered scrub juniper and pinon.

Survey of a Portion of the Subdivision, T. 26 S., R. 9 E.

Chains	
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, set as described in the survey record of T. 27 S., R. 9 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over rolling land, draining southerly; asc. 120 ft. over S. slope.
31.80	Rim, bears N. 70° E. and S. 70° W.; desc. 250 ft. over broken N. slope.
40.00	Point for the ¼ sec. cor. of secs. 33 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S35 | S36 1955
	Desc. 80 ft. over rolling blue clay land, draining northerly, on N. slope.
76.80	Wash, course easterly; asc. 20 ft. over S. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T26S R9E S26 | S25 S35 | S36 1955
	Land, rolling blue clay land, draining easterly. Soil, blue clay with blue shale outcroppings. No timber or undergrowth.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, set as described in the survey record of T. 26 S., R. 10 E.
	N. 89° 59' W., bet. secs. 25 and 36.
	Asc. 70 ft. over broken E. slope.
1.50	Rim, bears NW. and S. 30° E.; asc. 5 ft. over mesa top.
29.40	Rim, bears NW. and S. 20° E.; desc. 100 ft. along abrupt SW. slope.
33.10	Base of abrupt slope, bears N. 20° W. and S. 20° E.; asc. 20 ft. along rolling blue clay on S. slope.
39.94	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
	¼ S25 S36 1955

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Subdivision, T. 26 S., R. 9 E.

Chains	
	Post sets on S. slope of spur.
	Over rolling blue clay land, draining southerly, across a series of low spurs and minor washes; desc. 10 ft.
70.50	Base of steep ascent, small butte; asc. 60 ft. along abrupt NE. slope.
73.40	Top of ascent, slopes N., just off the top on N. side of small butte; desc. 40 ft. along NW. slope.
79.88	Cor. of secs. 25, 26, 35, and 36.
	Land, rolling and broken. Soil, heavy clay. No timber or undergrowth.
	N. 0° 01' W., bet. secs. 25 and 26.
	Over broken land draining southerly; asc. 100 ft. along SE. slope.
8.30	Small spur, slopes S. 30° E.; continue ascent along SE. slope.
17.90	Ridge, bears N. 60° W. and S. 70° E.; desc. 180 ft. over broken N. slope.
27.40	Bottom of abrupt descent, bears N. 80° E. and W.; desc. 20 ft. over gentle N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\frac{1}{4}$ S26 | S25 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, to W. of post.
	Desc. 10 ft. over almost level land.
58.00	Beginning of ascent, bears NW. and SE.; asc. 70 ft. along SW. slope
68.70	Top of ascent, slopes W.; desc. 150 ft. along broken NW. slope.
75.60	Bottom of descent, bears easterly and westerly; desc. 30 ft. over slight N. slope.
78.90	Road, unimproved, from Hunts Ranch, bears E. and SW.
80.00	Point for the cor. of secs. 23, 24, 25, and 26.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base to top of post, with brass cap mkd. T26SR9E S23 | S24 S26 | S25 1955

Chains	
	Land, bottoms of the Muddy River. Soil, sandy clay. Timber, scattered tamarack and willows.
	From the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township, set as described in the survey record of T. 26 S., R. 10 E.
	N. 89° 56' W., bet. secs. 24 and 25.
	Over almost level bottoms of the Muddy River
4.00	Wash, course S.
9.50	Wash, course S.
36.70	Fence, 4 strand barb wire, bears S. 20° E. and N. 20° W.
39.98	Point for the ¼ sec. cor. of secs. 24 and 25.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone to cap, with brass cap mkd. ¼ S 24 / S 25 1955
	The SW. cor. of the house at Hunts Ranch, bears N. 11° 30' E., 17.57 chs. dist.
	The well at Hunts Ranch, bears N. 16°09' E., 23.62 chs. dist.
40.80	Road, unimproved, to Hunts Ranch, bears N. and S., 2 chs.; thence W.
44.00	E. bank of the Muddy River channel, 10 ft. high, bears N. 30° W. and S. 20° E.; desc. 10 ft. into the Muddy River channel; thence continue across river bed.
52.20	Muddy River, 50 lks. wide, 6 ins. deep, course S. 30° E.; continue across river bed.
53.50	N. bank of Muddy River channel, bears N. 30° W., and S. 30° E.; continue over bottom land of the Muddy River, through tamarack and willows.
79.96	The cor. of secs. 23, 24, 25, and 26.
	Land, nearly level to rolling bottom land. Soil, clay. No timber.
	N. 0° 01' W., bet. secs. 23 and 24.
	Over bottom land of the Muddy River, through tamarack and willows.
11.50	Wash, 1 ch. wide, 1 ft. deep, course E.; continue over bottoms of Muddy River, through tamarack and willows.
19.80	S. bank of Muddy River channel, 3 ft. high, bears N. 80° W. and S. 80° E.; continue across channel of the Muddy River.
30.80	Muddy River, about 50 lks. wide, 6 ins. deep, course SE. from W.; continue across river channel.
34.40	N. bank of the Muddy River channel, 6 ft. high, bears NW. and SE.
36.10	Road, unimproved, bears N. 80° W. and S. 60° E. to Hunts Ranch; asc. 10 ft. over S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 23 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a small mound of stone to top of post, with brass cap mkd.

Chains	
	¼ S 23 | S 24 1955
	Asc. 140 ft. along SE. slope, over rolling breaks of the Muddy River.
61.50	Spur, slopes SW.; desc. 50 ft. along NW. slope.
63.80	Wash, near head, course SW.; asc. 50 ft. along SE. slope.
70.70	Spur, slopes SW.; desc. 60 ft. along abrupt NW. slope.
74.50	Wash, course SW.; asc. 90 ft. over abrupt broken S. slope.
80.00	Point for the cor. of secs. 13, 14, 23, and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T26SR9E S14 | S13 S23 | S24 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of post.
	Land, rolling breaks of the Muddy River. Soil, shallow clay on shale. No timber.
	From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the township, set as described in the survey record of T. 26 S., R. 10 E.
	N. 89° 53' W., bet. secs. 13 and 24.
1.80	Wash, in bottom of Hunts Draw, course S.; continue over almost level bottom of draw.
6.70	Beginning of ascent out of Hunts Draw, bears NE. and SW.; asc. 180 ft. along abrupt SE. slope.
14.50	Top of abrupt ascent out of Hunts Draw, bears NE. and SW.; asc. 10 ft. along gentle SE. slope.
21.30	Top of ascent on large bench spur, slopes S. Stock trail bears N. and S. along top of spur; desc. 10 ft. along SW. slope.
28.50	E. edge of gulch, bears NE. and southerly; desc. 160 ft. over abrupt W. slope.
32.60	Wash, in bottom of gulch, course southerly; asc. 150 ft. over abrupt E. slope.
34.70	W. edge of gulch, bears NW. and S. 20° E.; asc. 10 ft. along NE. slope
39.00	Spur, slopes S.
40.00	Point for the ¼ sec. cor. of secs. 13 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a mound of stone, to top of post, with brass cap mkd. ¼ S 13 / S 24 1955
	Desc. 60 ft. along SW. slope.
45.50	Wash, course S. 20° E.; asc. 70 ft. along SE. slope.
53.70	Top of ascent, slopes S.; desc. 20 ft. along rolling S. slope.
72.80	E. edge of gulch, bears N. 10° E. and S. 10° W.; desc. 50 ft. along abrupt NW. slope.
76.90	Wash, in bottom of gulch, course S. 30° W.; asc. 50 ft. along abrupt NE. slope.
78.10	W. edge of gulch, bears N. 10° E. and SW.

Chains	
80.00	The cor. of secs. 13, 14, 23, and 24.
	Land, broken benches and small rims. Soil, clay and shale. No timber.

From the true point for the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the township, its witness cor. bears East 1.00 ch. dist., set as described in the survey record of T. 27 S., R. 9 E.

From the witness cor. of secs. 3, 4, 33, and 34, U.S.C. & G.S. triangulation station "Starvation", bears S. 18° 49½' E., 8.08 chs. dist.

Thence, from the true point for the cor.

N. 0° 02' W., bet. secs. 33 and 34.

Desc. 120 ft. over broken shale ledges, along NW. slope.

1.00	Base of ledges, bears NE. and SW.; desc. 90 ft. over rolling blue clay land, draining westerly.
30.10	Wash, course westerly; asc. 5 ft. along slight SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

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S33 | S34

1955

Asc. 60 ft. over rolling blue clay land, along SW. slope.

69.30	Ridge, bears N. 30° E. and S. 20° W.; desc. 70 ft. along gray shale on NW. slope.
78.60	Wash, course N. 30° E.; asc. 5 ft. along SE. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T26SR9E

S28 | S27

S33 | S34

1955

Land, rolling rocky shale and sandstone breaks of the Muddy River.
Soil, shallow sandy clay, with considerable sandstone exposure.
No timber or undergrowth.

N. 0° 02' W., bet secs. 27 and 28.

Over rolling rocky sandstone, along SE. slope; asc. 60 ft. to top of small sandstone knoll.

Subdivision, T. 26 S., R. 9 E.

Chains

0.40 Top of sandstone knoll; desc. 60 ft. along abrupt NW. slope.

1.00 Small wash, course NE.; asc. 160 ft. along broken sandstone SE. slope.

33.00 Ridge, bears N. 30° E. and S. 30° W.; desc. 20 ft. along NW. slope.

36.30 Point selected for the witness ¼ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., over an X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

¼
N C
S28 | S27

1955

37.00 S. rim of Salt Wash, about forty ft. high, bears N. 30° E.; desc. 250 ft. over broken ledge and abrupt broken talus slope, along NW. slope, to bottom of Salt Wash.

40.00 True point for the ¼ sec. cor. of secs. 27 and 28, falls on inaccessible broken ledge.

41.00 Salt Wash, running water, 15 lks. wide, and 6 ins. deep; continue over almost level bottom land of Salt Wash, through scattered tamarack.

43.50 Wash, course NE., 1 ch. to junction with Salt Wash.

71.00 Fence, 4 strand barb wire, bears E. and W. across wash bottom.

77.00 Wash, course SE, 2.50 chs. to junction with Salt Wash.

80.00 Point for the cor. of secs. 21, 22, 27, and 28.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

T26SR9E
S21 | S22
S28 | S27

1955

Land, almost level bottom land of Salt Wash.
Soil, sandy clay, with considerable alkali.
Scattered growth of tamarack.

[illegible] W., bet. secs. 21 and 22.

Over almost level bottom land of Salt Wash, through scattered tamarack and willows.

1.00 Begin ascent out of Salt Wash; asc. 80 ft. along S 7. slope.

1.[illegible] Top of ascent, in saddle, bet. the Muddy River and Salt Wash. Over a series of spurs and washes draining easterly into the Muddy River; asc. 150 ft.

4.[illegible] Point for the ¼ sec. cor. of secs. 21 and 22.

Subdivision, T. 26 S., R. 9 E.

Chains	
	Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in rock, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd. ¼ S21 | S22 1955
	Asc. 50 ft. over S. slope.
51.50	Spur, projects NE.; desc. abruptly over broken ledges, N. slope, into Muddy River Canyon.
52.80	Muddy River, 50 lks. wide, 2 ins. deep, course N. 70° E. from W.; continue over bottom of Muddy River Canyon.
53.30	Road, unimproved from Delta Mine to Hanksville, bears NW. and N. 80° E.; begin ascent out of the Muddy River over the San Rafael Reef; asc. 330 ft. over broken S. slope.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd. T26SR9E S16 | S15 S21 | S22 1955
	Land, very broken gypsum and shale, draining southerly into the Muddy River. Soil, shallow sandy gypsum on shale. No timber or undergrowth.
	N. 0° 02' W., bet. secs. 15 and 16.
	Asc. 50 ft. along SE. slope.
3.10	Rim, bears NE. and westerly about 8 chs. dist. to the canyon of the Muddy River, over 25 ft. ledge and talus slope; desc. 80 ft. along NW. slope.
6.40	Wash, course westerly, leave shale and enter broken sandstone land, draining southerly into the Muddy River; asc. 400 ft. along broken sandstone SE. slope.
33.90	S. rim of draw, bears NW. and SE.; desc. 120 ft. along bare sandstone NE. slope.
37.80	Wash, in bottom of draw, course SE.; asc. 130 ft. along broken sandstone SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in solid sandstone, and in a mound of stone, 2 ft. base to top of post, with brass cap mkd.

Chains	
	$\frac{1}{4}$ S16 | S15 1955
	Asc. 260 ft. along very broken E. sandstone breaks of draw, SW. slope.
67.60	Rise, bet two draws; continue to asc. 170 ft. along very broken sandstone W. breaks of draw to E.
80.00	Point for the cor. of secs. 9, 10, 15, and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base to top of post, with cap mkd.
	T26SR9E S9 | S10 S16 | S15 1955
	Land, very broken sandstone land of the San Rafael Reef. Soil, bare sandstone. No timber.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over very broken sandstone land of the San Rafael Reef; asc. 80 ft. over S. slope.
4.90	Top of ascent; desc. 40 ft. along E. sandstone slope.
11.30	Wash, near head, course S. 70° E.; asc. 60 ft. over S. slope.
20.00	Top of ascent, 100 ft. along broken sandstone E. slope.
36.80	S. edge of ravine; desc. 200 ft. over solid sandstone ledge, on N. slope.
37.20	Wash, in bottom of ravine, course E; asc. 110 ft. along broken sandstone SE. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
	Set an iron post, 36 ins. long, 1 in. diam., drilled 8 ins. in solid sandstone, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$ S9 | S10 1955
	Asc. 20 ft. along broken sandstone E. slope.
50.00	Wash, course SE.; asc. 425 ft. over broken ledges on S. slope.
67.80	Rim, bears N. 50° W. and SE.; desc. over cliff 180 ft. high.
68.00	Base of cliff, in saddle; asc. 50 ft. along SE. slope.
80.00	Point for the cor. of secs. 3, 4, 9, and 10.

Subdivision, T. 26 S., R. 9 E.

Chains	
	Set an iron post, 36 ins. long, 1 in. diam., drilled 8 ins. in the ground, and in a mound of stone, 3½ ft. base to top of post, with brass cap mkd. T26SR9E S4 | S3 S9 | S10 1955
	Land, broken sandstone land on top of the San Rafael Reef. Soil, shallow sand with considerable sandstone exposure. Timber, scattered scrub juniper and pinon.
	N. 0° 02' W., bet. secs. 3 and 4. Over broken sandstone of the San Rafael Reef, through scattered scrub juniper and pinon; asc. 50 ft. along SE. slope.
9.45	Rim of the San Rafael Reef, bears NE. and SW. Point for beginning of traverse and triangulation off cliff, about 600 ft. high, topography estimated to closing cor. Desc. about 650 ft. over cliff 600 ft. high and along abrupt talus slope.
26.50	Ravine, course sharply to the W.; asc. about 450 ft. along abrupt SW. talus slope and to face of cliff.
40.00	True point for the ¼ sec. cor. of secs. 3 and 4 falls on inaccessible W. face of cliff, about 150 ft. below rim; desc. 50 ft. over face of cliff, along NW. slope.
41.50	Point selected for the witness ¼ sec. cor. of secs. 3 and 5. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4½ ft. base to top of post, with brass cap mkd. ¼ S4 | S3 W C 1955 Desc. 430 ft. along broken NW. slope.
72.50	Road, bladed gravel, from Tan Seep to the Delta Mine and the Muddy River, bears N. 80° E. and S. 80° W.; continue over nearly level land.
81.62	Intersect the 5th Standard Parallel South, R. 9 E., on the S. bdy. of sec. 33; point for the closing cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground, and in a mound of stone, 2½ ft. base to top of post, with brass cap mkd. T25SR9E S33 S4 | S3 T26S | R9E C C 1955

12.
123

Subdivision, T. 26 S., R. 9 E.

Chains

From this cor. the standard cor. of secs. 32 and 33, T. 25 S., R. 9 E., bears West, 12.80 chs. dist.

Land, very broken red shale, draining westerly into the Muddy River.
Soil, shallow sandy red clay, with considerable shale outcroppings No timber or undergrowth.

At a proportionate point, bet. the closing cor. of Ts. 26 S., Rs. 9 and 10 E., and the closing cor. of secs. 3 and 4, point for the cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T25SR9E
S34
S3 | S2
T26SR9E
1955

From this point, the standard cor. of secs. 33 and 34, T. 25 S., R. 9 E., bears West, 12.84 chs. dist.

S . 0° 01' E., bet. secs. 2 and 3.

Along slightly rolling SE. slope; desc. 120 ft.

41.30 Road, bears E. about 1 ch.; thence southerly and W.

41.54 True point for the ¼ sec. cor. of secs. 2 and 3 falls in road, unsafe place for cor.

42.44 Point selected for witness ¼ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

¼
WC
S3 | S2
1955

Continue over nearly level land.

[illegible] Beginning of ascent, bears NW. and SE.; asc. 640 ft. over talus slope, and cliff, about 350 ft. high, along NE. slope.

[illegible] Rim of cliff of N. edge of the San Rafael Reef; continue over top of the Reef, through scattered undergrowth; asc. 30 ft. along N. slope.

[illegible] Spur, slopes SE.; desc. 120 ft. over broken sandstone S. slope.

[illegible] Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 36 ins. long, 1 in. diam., drilled 10 ins. in solid sandstone, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

Subdivision, T. 26 S., R. 9 E.

Chains	
	T26SR9E S3 | S2 S10 | S11 1955 Land, solid sandstone, draining northerly to the edge of the San Rafael Reef. Soil, shallow sand in patches with considerable sandstone exposure. No timber, scattered undergrowth.
	From the cor. of secs. 2, 3, 10, and 11. N. 89° 58' E., bet. secs. 2 and 11. Over broken sandstone, through scattered undergrowth; asc. 30 ft. along SW. slope.
1.50	Spur, slopes S. 30° W.; desc. 220 ft. along SE. slope.
9.00	Wash, course SE.; asc. 70 ft. along SW. slope.
10.80	Top of ascent, on small sandstone knoll, slopes N.; desc. 50 ft. along broken sandstone ledges on NE. slope.
12.00	Wash, course SE.; asc. 120 ft. along SW. slope.
24.30	Top of small sandstone knoll; desc. 480 ft. along broken sandstone ledges, on NE. slope to witness.cor.
40.00	True point for ¼ sec. cor. of secs. 2 and 11 falls on the face of small sandstone ledge.
40.20	Point selected for witness ¼ sec. cor. of secs. 2 and 11. Set an iron post, 36 ins. long, 1 in. diam., drilled 8 ins. in solid sandstone, and in a mound of stone, 3½ ft. base to top of post, with brass cap mkd. ¼ ← W S 2 / C S11 1955
41.70	W. rim of gulch; desc. abruptly 400 ft. over broken sandstone ledges, along NE. slope.
53.50	Wash, course SE.; asc. 520 ft. over broken sandstone ledges, along SW. slope.
64.50	Top of ascent, slopes SE.; desc. 60 ft. along broken E. slope.
72.70	Slope changes to NE.; desc. 240 ft. over broken sandstone ledges, NE. slope.
80.00	True point for cor. of secs. 1, 2, 11, and 12 falls on face of small ledge, therefore at a point S. 0° 01' W., 10 lks. dist. Point selected for witness cor. of secs. 1, 2, 11, and 12. Set an iron post, 36 ins. long, 1 in. diam., drilled 8 ins. in solid sandstone, and in a mound of stone, 2 ft. base to top of post, with brass cap mkd.

Subdivision, T. 26 S., R. 9 E.

Chains	
	W\C T26S | R9E S2 | S1 S11 | S12 1955 Land, broken sandstone land of the San Rafael Reef, draining southeasterly into Stinking Spring Creek. Soil, bare sandstone surface. No timber.
	From the true point for the cor. of secs. 1, 2, 11, and 12. N. 0° 01' E., bet. secs. 1 and 2. Over bare broken sandstone land, draining southeasterly; desc. 70 ft. over broken sandstone ledges, along NE. slope.
3.80	Wash, in gulch, course SE.; asc. 370 ft. over broken sandstone ledges, along SW. slope.
11.90	N. rim of gulch, bears NW. and SE.; asc. 180 ft. over a series of spurs and washes putting southeasterly along a general SE. slope.
30.00	Top of ascent, slopes SE.; desc. 20 ft. along broken sandstone on NE. slope.
38.50	Point selected for witness ¼ sec. cor. of secs. 1 and 2. Set an iron post, 36 ins. long, 1 in. diam., drilled 8 ins. in solid sandstone, and in a mound of stone, 2 ft. base to top of post, with brass cap mkd. ¼ W\C S2 | S1 1955 Rim of ledge, bears W. and SE.; desc. 130 ft. over ledge, 100 ft. high, and broken sandstone NE. slope to wash.
40.00	True point for the ¼ sec. cor. of secs. 1 and 2, falls on inaccessible face of ledge.
41.70	Wash, course S. 80° E.; asc. 40 ft. along broken sandstone SE. slope
45.90	Spur, slopes E.; desc. 40 ft. along broken NE. slope.
52.90	S. edge of ravine; desc. 150 ft. along broken sandstone on NE. slope
60.20	Wash, in bottom of ravine, course S. 80° W.; asc. 130 ft. over broken sandstone ledges on S. slope.
63.30	Spur, slopes sharply W.; desc. 180 ft. over broken sandstone ledges, along NW. slope; leave the San Rafael Reef.
72.60	Wash, course SW.; begin ascent over the San Rafael Swell; asc. 240 ft. over broken shale on S. slope.
77.20	Spur, slopes S. 60° W.; desc. 30 ft. over NW. slope.
81.48	True point for the cor. of secs. 1 and 2 falls on abrupt broken shale slope, unsafe place for cor.; therefore, at a point 80 lks. West

Subdivision, T. 26 S., R. 9 E.

Chains

Point for the witness cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T25SR9E
S35 W
S2 | S1 C

1955

From the true point, the standard cor. of secs. 34 and 35, T. 25 S., R. 9 E., bears West 12.88 chs. dist.

Land, broken red shale land, draining westerly.
Soil, shallow red sandy clay, with shale outcroppings.
No timber or undergrowth.

Midpoint bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3, point for the ¼ sec. cor. of sec. 2.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 5 ft. base to top of post, with brass cap mkd.

¼ S 2

1955

From this cor. the standard ¼ sec. cor. of sec. 34 bears West, 12.86 chs. dist.

Midpoint bet. the cor. of secs. 1 and 2, and the closing cor. of Tps. 26 S., Rs. 9 and 10 E. True point for the ¼ sec. cor. of sec. 1 falls on large rock, unsafe place for cor.; therefore at a point 30 lks East

Point selected for the witness ¼ sec. cor. of sec. 1.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.

¼ S 1

1955

From the true point, the standard ¼ sec. cor. of sec. 35 bears West, 12.90 chs. dist.

Midpoint bet. the cors. of secs. 2 and 3, and the closing cor. of secs. 3 and 4.

Point for the ¼ sec. cor. of sec. 3.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 5 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$ S 3
	1955
	From this cor. the standard $\frac{1}{4}$ sec. cor. of sec. 33, bears West, 12.82 chs. dist.
	From the cor. of secs. 15, 16, 21, and 22.
	West, bet. secs. 16 and 21.
	Over broken shale and sandstone land of the San Rafael Reef; asc. 100 ft. over SE. slope.
10.40	E. rim of the Muddy River Canyon, bears N. and S.; desc. 420 ft. over nearly vertical cliff.
14.00	Muddy River, small stream, course southerly.
15.50	Road, unimproved, from the Delta Mine to Hanksville, bears northerly and southerly along the canyon bottom; asc. 700 ft. over a series of ravines and spurs putting sharply SE.
35.90	Point selected for the witness cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$W ← S 16 $\frac{1}{4}$C S 21
	1955
	Top of ascent and E. rim of canyon, bears N. 70° W. and SE.; desc. 440 ft. abruptly over shale and sandstone ledges, along a SW. slope to wash in canyon bottom.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, falls on inaccessible ledges of canyon .
41.20	Wash, in bottom of canyon, course southerly from N. 70° W.; asc. 790 ft. over broken sand stone and shale ledges, along NE. slope.
68.80	W. rim of canyon, bears NW. and S. 60° E.; asc. 110 ft. along SE. slope.
77.90	Top of ascent and S. rim of same canyon, bears NE. and westerly; desc. 30 ft. along N. slope.
80.00	Point for the cor. of secs. 16, 17, 20, and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

Subdivision, T. 26 S., R. 9 E.

Chains	
	T26SR9E S17 | S16 S20 | S21 1955 Land, very broken breaks of the Muddy River. Soil, shallow sand on shale. No timber.
	N. 0° 03' W., bet. secs. 16 and 17. By traverse and triangulation over nearly impassable breaks of the Muddy River, topography estimated on true line. Desc. abruptly 800 ft. over broken shale and sandstone ledges, into side canyon, N. slope.
6.50	Wash, in bottom of canyon, course NE. from NW.; asc. 300 ft. over series of sandstone spurs and side gullys, putting easterly.
24.00	Rim, of Muddy River, bears NW. and S. 20° E.; desc. 800 ft. over a 500 ft. cliff and broken sandstone ledges, along NE. slope.
36.00	Muddy River, 20 lks. wide, 1 ft. deep, in bottom of canyon, traces of road in canyon bottom, course SE.; asc. 10 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 6 ft. base to top of post, with brass cap mkd. ¼ S17 | 16 1955 From this cor., a spring of good drinking water, bears S. 81° 23' W., 2.87 chs. dist. Continue by traverse, topography estimated for true line. Desc. 5 ft. over NW. slope.
42.00	Recross Muddy River, 40 lks. wide, 4 ins. deep, course W. from NE.; asc. 90 ft. along SE. slope.
49.00	Spur, slopes NE.; desc. 80 ft. over N. slope.
51.00	Side wash, course E., about 4 chs. dist. to junction with Muddy River; asc. 400 ft. along broken sandstone ledges, on SE. slope.
59.00	Spur, slopes sharply E.; desc. abruptly 200 ft. over broken sandstone ledges on NE. slope.
62.00	Bottom of descent; asc. 100 ft. along talus on E. slope.
80.00	Point for the cor. of secs. 8, 9, 16, and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a mound of huge boulders to top of post, with brass cap mkd.

Chains	
	T26SR9E S8 | S9 S17 | S16 1955
	Cor. is set among many huge boulders.
	Marked an X on a large boulder, 1 lk. North and about 2 ft. above post.
	Land, huge boulders on steep talus, E. slope, above the Muddy River. Soil, coarse, rocky gravel. No timber or undergrowth.
	From the cor. of secs. 9, 10, 15, and 16.
	N. 89° 58' W., bet. secs. 9 and 16.
	Over very broken sandstone land of the San Rafael Reef.
3.90	Rim of gulch; desc. 250 ft. over broken sandstone ledges, along SW. slope.
12.40	Wash, in bottom of gulch, course S. 30° E.; asc. 400 ft. over broken sandstone ledges, along NE. slope.
22.50	W. rim of gulch, bears N. 70° W. and S. 70° E.; asc. 50 ft. to top of the NW. pinnacle of a group of three sandstone pinnacles.
26.50	Top of pinnacle; desc. 50 ft. off of pinnacle; asc. 60 ft. over a series of low sandstone spurs and minor drains putting S.
39.20	Ridge, top of the San Rafael Swell, bears N. and S.; desc. 20 ft. over W. slope.
39.91	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 36 ins. long, 1 in. diam., drilled 6 ins. in solid sandstone, and in a mound of stone, 3 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$ S 9 / S 16 1955
	Desc. 160 ft., along solid sandstone on NW. slope.
44.90	Ravine, drains sharply SW.; asc. 40 ft. along broken S. slope.
60.40	Rim of the Muddy River Canyon, bears N. 30° E. and S. 30° W.; desc. 700 ft. by triangulation into the Muddy River Canyon over a cliff 500 ft. high and steep talus slope.
70.60	Muddy River, in bottom of canyon, traces of road in bottom of canyon, course S.; asc. 100 ft. over broken talus E. slope.
79.82	Cor. of secs. 8, 9, 16, and 17.
	Land, very rough and broken slopes of the San Rafael Reef. Soil, mostly barren sandstone, with shallow pockets of sand. Timber, few scattered juniper.

Subdivision, T. 26 S., R. 9 E.

Chains	
	From the true point for the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township, from which the witness cor. bears East, 3.00 chs. dist., set as described in the survey record of T. 27 S., R. 9 E.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over broken shale land on the Moroni Slopes of the San Rafael Reef, on the N. breaks of Salt Wash.
2.00	Rim of draw, bears NW. and SE.; desc. 120 ft. along broken shale ledges on NE. slope.
9.50	Wash, in bottom of draw, course SE.; asc. 170 ft. along broken SE. slope.
28.90	S. rim of gulch, bears NE. and N. 30° W.; desc. 90 ft. over broken N. slope.
31.30	Wash, in gulch, course N. 10° E.; from NW.; asc. 250 ft. along broken SE. slope, to witness cor.
40.00	True point for the ¼ sec. cor. of secs. 32 and 33, falls on abrupt broken SE. slope, unsafe place for cor.
45.60	Point selected for witness ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	¼ S32 | S33 W↓C 1955
	Spur, slopes E.; continue to asc. 100 ft. over a series of spurs and washes, putting SE.
77.70	Top of ascent, spur, slopes SE.; desc. 10 ft. over NE. slope.
80.00	Point for the cor. of secs. 28, 29, 32, and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	T26SR9E S29 | S28 S32 | S33 1955
	Land, broken shale land of the Moroni Slopes. Soil, shallow sandy clay, on shale. No timber.
	From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township, set as described in the survey record of T. 27 S., R. 9 E.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken shale land of the Moroni Slopes; asc. 20 ft. along SE. slope.

Chains	
1.30	Spur, slopes SE.; desc. 50 ft. along NE. slope.
5.60	Wash, course SE.; asc. 110 ft. over a series of small washes and low spurs, putting southeasterly.
28.60	S. rim of gulch, bears NW. and SE.; desc. 370 ft. over broken ledges, along NE. slope.
35.20	Wash, in bottom of gulch, course SE.; asc. 240 ft. over broken ledges, along SW. slope, to witness cor.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32, falls on an inaccessible ledge on N. side of gulch.
41.60	N. rim of gulch, bears NE. and SW.
42.00	Point selected for witness $\frac{1}{4}$ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	$\frac{1}{4}$ S31 | S32 W ↓ C 1955
	Asc. 20 ft. along SW. slope.
46.70	Spur, slopes SE.; desc. 90 ft. over broken NE. slope.
49.50	Wash, course SE.; asc. 180 ft. over a series of spurs and small washes, putting southeasterly.
80.00	Point for the cor. of secs. 29, 30, 31, and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd.
	R9ET26S S30 | S29 S31 | S32 1955
	Land, broken shale breaks of the Moroni Slopes. Soil, shallow sandy clay, on shale. No timber.
	From the cor. of secs. 28, 29, 32, and 33.
	N. 89° 59' W., bet. secs. 29 and 32.
	Over broken shale land of the Moroni Slopes, draining southeasterly, 230 ft. over E. slope.
25.50	Slope changes to SE.; continue to asc. 40 ft. along SE. slope.
36.60	Wash, course S. 80° E.; asc. 60 ft. along rolling SE. slope.
39.95	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base to top of post, with brass cap mkd. ¼ S 29 / S 32 1955
	Continue to asc. 110 ft. along rolling shale on SE. slope.
55.30	E. rim of gulch, bears NW. and SE.; desc. 140 ft. along broken shale ledges on SW. slope.
63.30	Wash, in bottom of gulch, course southeasterly from a junction of two washes about 6 chs. to the NW.; asc. 250 ft. along broken ledges on NE. slope.
76.40	W. rim of gulch, bears NW. and easterly, continue along SE. slope.
79.90	The cor. of secs. 29, 30, 31, and 32.
	Land, rough, broken slope of San Rafael Reef. Soil, rocky and shallow sandy clay. No timber.

General Description

The San Rafael Reef lies across the township from northeast to southwest, being about a mile wide in the northeast corner of the township and about 2 miles wide where it ends at the Muddy River.

The Moroni Slopes cover the major part of the southwest portion of the township, with Segers Hole to the north in the northwest portion.

The township is bordered on the north by the San Rafael Swell and the southeast portion is broken shale and blue clay.

The formation in the township is varied, ranging from very broken red shale on the San Rafael Swell to the high almost impassible tan sandstone cliffs on the San Rafael Reef, Segers Hole, and the west breaks of the Muddy River, and gray to blue shale and clay in the southeast portion.

The Muddy River enters the township on the north boundary of section 5, meandering southeasterly through the San Rafael Reef in section 16, and leaves the township on the east boundary of section 25.

Salt Wash enters the township on the south boundary of section 33 and courses northeasterly to a junction with the Muddy River in section 22.

Stinking Springs Creek begins in section 2, draining southeasterly through the San Rafael Reef, thence following southwesterly along the south side of the Reef to a junction with the Muddy River in section 22.

A road from Tan Seeps to the Delta Mine enters the township on the north boundary of section 3, bearing southwesterly to the mine near the Muddy River in section 9. A road from the Delta Mine to Hanksville traverses southeastly through the Muddy River Canyon to a point near the corner of secs. 23, 24, 25, and 26; thence southeasterly to leave on the south boundary of section 34. A road

leaves the road from the Delta Mine to Hanksville near the corner of sections 23, 24, 25, and 26, bears easterly to Hunts Ranch.

Cistern Canyon enters the township near the east boundary of the township, on the north boundary of section 1, draining southerly through the Reef, and becomes known as Hunts Draw, which drains southerly along the east boundary of the township.

Hidden Splendor Mining Company's Delta Mine lies in section 9 and is being worked.

A ranch known as Hunts Ranch lies in sec. 24, where there is a flowing well.

A spring of good drinking water is located near the quarter corner of sections 16 and 17 in bottom of canyon.

There is considerable uranium prospecting being carried on along the cliffs on the N. edge of the San Rafael Reef and along the cliffs of the west breaks of the Muddy River.

There is very little vegetation in the township, except scattered pinon and juniper on the San Rafael Reef and a fair growth of grass and scattered pinon and juniper in Segers Hole.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Donald A. Cannon	Principal Assistant
Allen L. Tuft	Principal Assistant
James A. Smith	Chainman
Harold R. Sorenson	Chainman
Omer Oviatt	Chainman
Harold C. Stephenson	Chainman
William L. Calvin	Flagman
William E. Brickey	Flagman
Charles C. Rowe	Cornerman
Thomas V. Huntsman	Cornerman
Stewart C. Bushong	Axman
Richard B. Burns	Axman

16—53565-2

1185

CERTIFICATE OF CADASTRAL ENGINEER

We, [illegible] Nelson, Cartographer (Cadastral) HEREBY CERTIFY upon honor that, [illegible] Smith, Cartographic Survey Aid

pursuance of special instructions bearing date of the 12th day of April, 19[illegible]

have surveyed the west boundary and a portion of the subdivision, of [illegible], R. [illegible] E., Salt Lake Meridian, in the state of Utah.

of the [illegible] Meridian, in the State of Utah, which a[illegible]

represented in the foregoing field notes as having been executed by us and under our direction; and th[illegible]

said survey has been made in strict conformity with said instructions, the Manual of Instructions for t[illegible]

[illegible] of the Public Lands of the United States, and in the specific manner described in the foregoi[illegible]

[illegible]

[illegible], Utah.

Phil L. Smith
Cartographic Survey Aid

Andrew S. Nelson
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 1 0 1958, 19[illegible]

The foregoing field notes of the survey of [illegible] 2S. [illegible], R. 9 E., of the Salt Lake [illegible] in the state of Utah.

executed by Andrew Nelson and Phil L. Smith.

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in [illegible]

is a true copy of the original field notes.

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion of the Subdivision

of

Township 27 South, Range 6 East

Of the Salt Lake *Meridian,*

n the State of Utah

EXECUTED BY

Kenneth F. Hansen, Cadastral Engineer

Under special instructions dated April 15, *19*55, *which provided*

or the surveys included under Group No. 412, *approved* April 25, 1955

and assignment instructions dated May 2, *1955*

Survey commenced September 7, *19*55

Survey completed October 17, *19*55

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

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16—56770-1

2404

Township 27 South, Range 6 East

Chains

The west boundary of T. 27 S., R. 6 E. was surveyed by Elliot Bird in 1939. The north, south and east boundaries of this township were concurrently surveyed under this group, and their record appears in the field notes of T. 26 S., R. 6 E., T. 28 S., R. 6 E., and T. 27 S., R. 7 E., respectively.

The following field notes are those of a portion of the subdivision of T. 27 S., R. 6 E. deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

The survey was made with a W. and L. E. Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38° 24' 40.5" N. and longitude 111° 12' 39.3" W., as determined by traverse from U.S.C.&G.S. Triangulation Station "Chance", situated in section 33, T. 26 S., R. 7 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

Portion of the Subdivision, T. 27 S., R. 6 E.

From the cor. of secs. 1, 2, 35 and 36, on the south boundary of the township.

N. 0° 01' W., between secs. 35 and 36.

Over South Desert Cliff onto partially broken rocky terrain of the Hartnet; ascend 90 ft. over a S. talus slope.

chains	
4.80	Base of brown sandstone cliffs; ascend abruptly 480 ft. over a series of vertical brown sandstone cliffs.
29.62	Top of South Desert Rim, bears N. 70° E. and S. 70° W. Descend 20 ft. over a gradual NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S35 | S36 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Continue to descend 20 ft. over a gradual rolling N. slope.
63.20	Change of slope; descend 175 ft. over a rocky broken NE. slope with large patches of exposed bedrock.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock and in a mound of stone, 3 ft. base, 30 ins. high, with brass cap mkd.,
	T27SR6E S26 | S25 S35 | S36 1955
	Land, broken. Soil, sandy. Timber, scattered pinon and juniper trees. Undergrowth, rabbit brush, shadscale and range grass.
	From the cor. of secs. 25, 30, 31 and 36, on the east boundary of the township.
	West, between secs. 25 and 36.
	Over rocky broken terrain; ascend 210 ft. over a series of small cliff and ledges of a general E. to NE. slope.
19.50	Top of ascent; continue across a broken N. slope.
22.20	Descend 55 ft. over a broken NW. slope.
27.70	Wash, 20 lks. wide, 4 ft. deep, drains N. 30° E. from S. 30° W. Ascend 40 ft. over a gradual, rocky NE. slope to cor.
40.01	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd.,
	¼ S25 S36 1955
	Continue to ascend 20 ft. over a gradual NE. rocky slope.

Portion of the Subdivision, T. 27 S., R. 6 E.

chains	
57.64	Top of ascent; descend 50 ft. over a gradual rocky, to partially broken W. slope to cor.
80.02	The cor. of secs. 25, 26, 35 and 36.
	Land, broken. Soil, sandy and rocky. Timber, scattered dwarf pinon and juniper trees. Undergrowth, shadscale, rabbit brush and range grass.
	From the cor. of secs. 3, 4, 33 and 34, on the south boundary of the township.
	N. 0° 02' W., between secs. 33 and 34.
	Over partially broken terrain; ascend 30 ft. over a loose clay, S. talus slope.
0.80	Base of cliff; ascend 210 ft. abruptly over face of cliff.
1.77	Top of cliff, bears N. 75° E. and S. 85° W. Descend 230 ft. over a NE. slope of broken rocky terrain.
15.00	Wash, drains NE. from NW.; ascend SE. slope.
34.50	Wash, drains E. from SW.; ascend SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top with brass cap mkd., ¼ S33 | S34 1955
	Descend 55 ft. over a broken rocky NE. slope.
49.86	Wash, 60 lks. wide, 14 ft. deep, drains N. 65° E. from S. 65° W. Ascend 15 ft. over a SE. slope.
56.85	Base of clay hill; ascend 100 ft. over a steep S. slope.
62.21	Top of clay hill; descend 75 ft. over a NE. slope to cor.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., T27SR6E S28 | S27 S33 | S34 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, broken to rolling. Soil, sandy clay. Timber, very scattered pinon and juniper trees. Undergrowth, shadscale and rabbit brush.
	N. 0° 02' W., between secs. 27 and 28.

chains	
	Over rolling bottom land terrain; descend 40 ft. over a rolling NE. slope.
15.28	Wash, 30 lks. wide, 4 ft. deep, drains E. from W.
16.42	Wash, 30 lks. wide, 5 ft. deep, drains S. 65° E. from N. 75° W. to junction with preceeding wash; continue across rolling terrain.
25.75	Center of Polk Creek, 150 lks. wide, 15 ft. earth banks, drains S. 35° E. from N. 50° W. on a very meandering course; ascend 30 ft. over a steep SE. slope.
28.50	Recross Polk Creek, drains SW.
34.00	Recross Polk Creek, drains SE.
36.44	Base of brown sandstone cliffs; ascend 20 ft. over steep SW. slope to small bench.
36.61	Point for the witness ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	W C ¼ S28 | S27 1955
	Ascend 420 ft. over face of cliff.
40.00	True point for the ¼ sec. cor. of secs. 27 and 28 falls on inaccessible part of brown sandstone cliff.
53.75	Top of cliff, bears N. 70° W. from S. 30° E.; descend 130 ft. over a broken, rocky, gradual N. slope to cor.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T27SR6E S21 | S22 S28 | S27 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, broken. Soil, sandy. Timber, scattered juniper and pinon trees. Undergrowth, shadscale and desert sage.
	N. 0° 02' W., between secs. 21 and 22.
	Over rolling, partially broken terrain; descend 25 ft. over a rocky N. slope.
7.16	Wash, 40 lks. wide, 4 ft. deep, drains N. 80° E. from W.; ascend 80 ft. over a rocky broken S. slope.
14.37	Top of ascent; continue across rocky terrain, with large patches of exposed bedrock.

Chains	
27.07	Descend 35 ft. over a N. rocky slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S21|S22 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Continue descent of 20 ft. over a gradual rolling, rocky N. slope.
41.50	Wash, drains E. from W.; ascend S. slope.
76.51	Hartnet Draw Wash, 300 lks. wide, 3 ft. deep, drains E. from W.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T27SR6E S16|S15 S21|S22 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, partially broken to rolling. Soil, sandy clay and sand. Timber, scattered dwarf pinon and juniper. Undergrowth, shadscale and sagebrush.
	N. 0° 02' W., between secs. 15 and 16.
	Over rolling, partially broken, rocky terrain of the Hartnet Draw.
1.90	Unimproved road, "Blue Flats-Fremont Dirt Road", bears general E. and W. direction; ascend 95 ft. over a rolling, partially broken, rocky general S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into sandstone bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	¼ S16|S15 1955
	Continue ascent of 110 ft. over a rocky, partially broken S. slope to cor.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 20 ins. long, 1 in. diam., chisled 12 ins. into sandstone bedrock, with brass cap mkd.,
	T27SR6E S9|S10 S16|S15 1955

Chains	
	Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor.
	Land, partially broken. Soil, rocky and sand. Timber, scattered juniper and pinon trees. Undergrowth, shadscale and desert sage.
	N. 0° 02' W., between secs. 9 and 10.
	Over broken rock terrain, with large areas of exposed bedrock.
7.30	Wash, 60 lks. wide, 20 ft. vertical banks, drains S. 45° W. from N. 40° E. Ascend 110 ft. over a broken S. slope with large areas of exposed bedrock to cor.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., ¼ S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Continue to ascend 80 ft. over a general broken S. slope.
49.44	Top of ascent; descend 17 ft. over a very rocky, broken, gradual N. to NW. slope to cor.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., T27SR6E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, broken. Soil, rocky and sand. Timber, scattered pinon and juniper trees. Undergrowth, shadscale and rabbit brush.
	N. 0° 03' W., between secs. 3 and 4.
	Over broken terrain; across large area of barren white sandstone bedrock.
13.87	Top of rim, bears general E. and W. direction; descend 210 ft. over a steep N. slope of ledges and small cliffs.
22.31	Top of brown sandstone cliff, bears E. and W. Descend abruptly 420 ft. over face of cliffs and steep talus slope.
34.22	Base of talus slope; continue across rolling terrain of the Middle Desert.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S4|S3 1955 Continue across nearly level terrain of the Middle Desert.
65.94	Cathedral Valley Wash, 150 lks. wide, 6 ft. deep, drains E. from W. Continue across rolling desert land to cor.
79.57	The cor. of secs. 3, 4, 33 and 34, on the north boundary of the township, a 2½ in. iron post, set, marked and witnessed as described in the survey record of T. 26 S., R. 6 E. Land, broken to rolling. Soil, rocky to sand. Timber, scattered dwarf pinon and juniper trees. Undergrowth, shadscale, rabbit brush and range grass.
	From the cor. of secs. 1, 2, 35 and 36, on the north boundary of the township. S. 0° 01' E., between secs. 1 and 2. Over rolling terrain of the Middle Desert; descend 40 ft. over a rolling S. slope.
11.70	Wash, 150 lks. wide, 12 ft. deep, drains S. 40° W. from N. 40° E. Ascend 20 ft. over rolling N. slope.
13.80	Top of ascent; descend 60 ft. over a rolling S. slope.
26.80	Wash, 200 lks. wide, 8 ft. deep, drains S. 10° E. from S. 40° W. Continue across rolling terrain to cor.
39.86	Point for the ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd., ¼ S2|S1 1955 Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor. Continue across rolling sand hills.
79.38	Unimproved road, "Caineville-Emery Dirt Road", bears E. and W.
79.86	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., T27SR6E S2|S1 S11|S12 1955 Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.

Chains	
	Land, rolling. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 1, 6, 7 and 12, on the east boundary of the township. N. 89° 59' W., between secs. 1 and 12. Over rolling terrain of the Middle Desert; descend 65 ft. over a general W. slope of rolling sand hills.
31.50	Wash, 150 lks. wide, 10 ft. deep, drains S. 50° E. from N. 50° W. Ascend 10 ft. over rolling sand knolls.
40.01	Point for the ¼ sec. cor. of secs. 1 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. ¼ S 1 / S12 / 1955 Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor. Continue across open rolling terrain to cor. No notable topography
78.60	Caineville-Emery dirt road, bears S. 80° E. and N. 80° W.
80.02	The cor. of secs. 1, 2, 11 and 12. Land, rolling. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 2, 3, 34 and 35, on the north boundary of the township. S. 0° 01' E., between secs. 2 and 3. Over rolling terrain of the Middle Desert; across rolling sand knolls.
14.20	Base of hill; ascend 110 ft. over a rocky NW. slope.
21.75	Top of hill; descend 105 ft. over a rocky SW. slope.
30.30	Top of ledges of brown sandstone, bears in a general E. and W. direction; ascend 40 ft. over a very rocky, steep, NW. slope, to cor.
39.71	Point for the ¼ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd., ¼ S3 | S2 1955

Chains	
	Continue ascent of 45 ft. over rocky NW. slope.
66.64	Base of red sandstone cliffs; ascend 185 ft. abruptly, over a series of ledges and cliffs, which bear a general E. and W. direction.
77.07	Point for the witness cor. of secs. 2, 3, 10 and 11, situated on a small bench. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd., T27SR6E S3 | S2 S10 | S11 W C 1955
	Ascend 60 ft. over face of brown sandstone cliffs.
79.71	True point for the cor. of secs. 2, 3, 10 and 11, falls on inaccessible red sandstone ledges. Land, broken. Soil, sandy and rocky. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 1, 2, 11 and 12. West, between secs. 2 and 11. Over rolling desert terrain; ascend 20 ft. over gradual rolling SE. slope.
26.35	Base of black cliff; ascend 220 ft. over face of a vertical black sandstone cliff.
30.10	Top of cliff, bears general N. and S. direction; continue across flat, rocky bench terrain.
39.99	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S 2 / S11 1955
	Continue across level bench terrain.
47.10	Top of cliff; descend 205 ft. over series of brown sandstone cliffs and ledges which bear in general E. and W. direction.
53.32	Bottom of descent along cliff; ascend 55 ft. over cliff and ledges which bear in general E. and W. direction to cor.
79.98	The true point for the cor. of secs. 2, 3, 10 and 11. Land, broken. Soil, sandy and rocky. Timber, none. Undergrowth, rabbit brush and range grass.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, between secs. 16 and 21.
	Across sandy, rolling hills of the Hartnet Draw.
23.00	Wash, 90 lks. wide, 4 ft. deep, drains S. 65° E. from N. 65° W. Continue across sandy terrain to cor.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S16/S21 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, N. of cor.
	Continue over rolling terrain.
48.00	Base of hill; ascend 155 ft. over a rocky broken NE. slope.
72.42	Top of bench; continue across rocky, nearly level terrain.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T27SR6E S17 | S16 S20 | S21 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	Land, rolling to partially broken. Soil, sand and rocky. Timber, none. Undergrowth, rabbit brush and shadscale.
	N. 0° 03' W., between secs. 16 and 17.
	Across rocky bench terrain.
6.88	Descend 140 ft. over a rocky, broken NE. slope.
20.83	Base of descent; continue across sandy, rolling terrain.
30.38	Ascend 70 ft. over a rocky SE. slope.
36.78	Top of ascent; descend 80 ft. over N. rocky slope.
38.20	Wash, 80 lks. wide, 3 ft. deep, drains N. 30° E. from S. 30° W. Continue across sandy terrain.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S17 | S16 1955

Chains	
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
40.22	Unimproved road, Blue Flats-Fremont dirt road, bears E. and W. Ascend 45 ft. over a rolling, gradual, sandy SE. slope of the Hartnet Draw to cor.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.,
	T27SR6E S8 | S9 S17 | S16 1955
	Raise a mound of stone, 3 ft. base, 25 ins. high, W. of cor.
	Land, rolling. Soil, sandy. Timber, very scattered pinon and juniper trees. Undergrowth, rabbit brush and shadscale.
	From the cor. of secs. 9, 10, 15 and 16.
	West, between secs. 9 and 16.
	Over partially broken terrain with large patches of exposed bedrock.
3.06	Descend 25 ft. over a broken SW. slope.
4.39	Base of descent; continue across broken terrain.
7.15	Wash, 50 lks. wide, 5 ft. deep, drains S. 20° W. from N. 40° E. Continue across a gradual S. slope.
10.45	Descend 30 ft. over a SW. slope.
37.40	Wash, 30 lks. wide, 4 ft. deep, drains S. from N. 10° W. Continue across broken terrain to cor.
40.01	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S 9 / S16 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, N. of cor.
	Continue to descend 30 ft. over rolling, sandy terrain of a SW. slope.
63.27	Wash, 70 lks. wide, 4 ft. deep, drains S. 40° E. from N. 50° W. Ascend 20 ft. over a rolling SE. slope.
80.02	The cor. of secs. 8, 9, 16 and 17.
	Land, partially broken to rolling. Soil, sandy and rocky. Timber, scattered pinon and juniper trees. Undergrowth, shadscale and rabbit brush.

Portion of the Subdivision, T. 27 S., R. 6 E.

Chains	
	From the cor. of secs. 4, 5, 32 and 33, on the south boundary of the township, a $2\frac{1}{2}$ in. iron post, set, marked and witnessed as described in the survey record of T. 28 S., R. 6 E.
	N. 0° 03' W., between secs. 32 and 33.
	Over broken, rocky terrain, covered with a moderate growth of pinon and juniper trees. Descend 30 ft. over a gradual NE. slope.
13.49	Wash, 18 lks. wide, 5 ft. deep, drains N. 20° W. from S. 30° E. Ascend 55 ft. over rocky SW. slope.
19.65	Top of spur, projects W. 3 chs. Descend 55 ft. over a NW. slope.
26.39	Small wash, 10 lks. wide, 3 ft. deep, drains W. Ascend 45 ft. over a rocky SW. to W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	$\frac{1}{4}$ S32|S33 1955
	Continue over rocky W. slope.
40.50	Base of red sandstone cliffs; ascend abruptly 200 ft. over face of cliff.
41.50	Top of cliff, bears S. 20° E. and N. 20° W. Ascend 40 ft. over a steep SW. slope.
43.10	Top of ascent; descend 240 ft. over a rocky, partially broken NE. slope.
62.11	Wash, 90 lks. wide, 4 ft. deep, drains N. 75° E. from S. 75° W. 1 chain, then N. 30° E. Ascend 160 ft. over a broken SE. to S. slope.
76.75	Top of butte, long axis runs E. and W. Descend 110 ft. over broken ledges and a steep NW. slope to cor.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	T27SR6E S29|S28 S32|S33 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.
	Land, broken. Soil, sandy clay. Timber, pinon and juniper trees. Undergrowth, shadscale, rabbit brush and range grass.
	West, between secs. 29 and 32.
	Over rolling to partially broken terrain; descend 115 ft. over a rocky SW. to W. slope.

Chains	
15.67	Wash, 19 lks. wide, 5 ft. deep, drains N. 30° W. from S. 30° E. Continue across a rolling, sandy N. slope.
29.82	Wash, 60 lks. wide, 5 ft. deep, drains N. 20° E. from S. 20° W. Ascend 25 ft. over a rolling NE. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap mkd., ¼ S29/S32 1955 Continue ascent of 75 ft. over a rolling NE. slope.
52.00	Top of ascent; descend 50 ft. over steep W. slope.
59.19	Wash, 40 lks. wide, 4 ft. deep, drains N. 50° W. from S. 50° E. Ascend 120 ft. over a rocky, broken NE. slope.
68.50	Top of ascent; descend 90 ft. over a steep W. slope.
72.10	Wash, 50 lks. wide, 7 ft. deep, drains N. 10° E. from S. 10° W. Ascend 105 ft. over steep E. slope of loose clay and shale to cor.
79.91	Point for the closing cor. of secs. 29 and 32, on the west boundary of the township. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid shale rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd., T27S R5E R6E S25 | S29/S32 CC 1955 From this point, the witness cor. originally mkd. for the cor. of secs. 25, 30, 31 and 36, bears South, 6.19 chs. distant. I remarked this cor. to read. T27S R5E R6E S25/S36 | S32 AM 1955 1938

The point for the ¼ sec. cor. of sec. 32, on the west boundary of this township, is located at midpoint between the closing cor. of secs. 29 and 32, and the SW. cor. of the township.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,

Portion of the Subdivision, T. 27 S., R. 6 E.

Chains

1/4
S32
1955

From this point, the witness 1/4 sec. cor. originally mkd. for secs. 31 and 36 bears South, 5.94 chs. distant. This 1/4 sec. cor. now refers to sec. 36, T. 27 S., R. 5 E. only, and I remarked the brass cap to read

1/4
S36
AM 1955
1938

General Description

Township 27 South, Range 6 East, lies within the three major topographic divisions of this locality. The southwestern area of the township encompasses the main portion of the South Desert. Th extreme northern part of the township falls in the south edge of the Middle Desert. These deserts are separated by a neck of the Hartnet land feature, which joins the main body of the Hartnet to the neighboring uplands of Thousand Lake Mountain. These three land divisions are completely isolated from one another. The Hartnet is elevated four to six hundred feet above the floor of th deserts, separated by a near vertical, brown, sandstone cliff, rimming the periphery of the elevated land.

The southwestern, or South Desert portion, of the township is drained by Polk Creek. Polk Creek enters on the west boundary of section 20, flows southeast, leaving the township on the south boundary of section 34. That portion of the Middle Desert situate within the township drains in an eastern direction, flowing parall to the face of the sandstone cliffs. The large Hartnet Draw Wash drains the entire elevated portion of this township. This wash enters on the west boundary of section 8, flows southeast, leaving the township on the east boundary of section 30.

The soil of the township varies from the coarse-grained brown sand of the Middle and South Deserts, to the rocky, white, sandy clay of the Hartnet. Both soils support a good growth of vegetation. An exceptionally fine growth of range grass covers the floors of the deserts. Rabbit brush, tamerisk, desert sage, shadscale and greasewood undergrowth are found throughout the township. However, pinon and juniper trees are found only in the Hartnet.

Access to the township is gained by the Caineville-Emery, and the Fremont-Blue Flats dirt roads. The Caineville-Emery road crosses sections 1 and 2 of the township, through the Middle Deser The Fremont-Blue Flats road crosses the entire width of the township paralleling the course of the Hartnet Draw Wash. Access to the South Desert is possible by vehicle when South Desert Wash and its tributary, Polk Creek, are dry.

A number of uranium mining locations are scattered throughout the township. A producing uranium mine was in operation at the time of this survey. This mine was situated approximately 6 chains south of the northwest corner of the township in section 5. No evidence of other minerals was found during the progress of this survey.

4-880
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Frank A. Brinkerhoff	Chainman
Dee Von Thompson	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

153

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 15th day of April 19

I have surveyed a portion of the subdivision of T. 27 S., R. 6 E.

of the Salt Lake Meridian, in the State of Utah, which

represented in the foregoing field notes as having been executed by me and under my direction; and t

said survey has been made in strict conformity with said instructions, the Manual of Instructions for

Survey of the Public Lands of the United States, and in the specific manner described in the foregoi

field notes.

Salt Lake City, Utah

April 19, 1958

Kenneth F. Hansen

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1958, 19.

The foregoing field notes of the survey of a portion of the subdivision of T. 27 S., R. 6 E., Salt Lake Meridian, Utah

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

Chief, Division of Cadastral Engineering

Cadastral Engineering Staff Offi

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering*~~

(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

North and West Boundaries

and

Portion of the Subdivision

of

Township 27 South, Range 7 East

Of the Salt Lake *Meridian,*

n the State of Utah

EXECUTED BY

Kenneth F. Hansen Cadastral Engineer

Under special instructions dated April 15, 1955, *19*, *which provided*

or the surveys included under Group No. 412, *approved* April 25, 1955

nd assignment instructions dated May 2, 1955, *19*

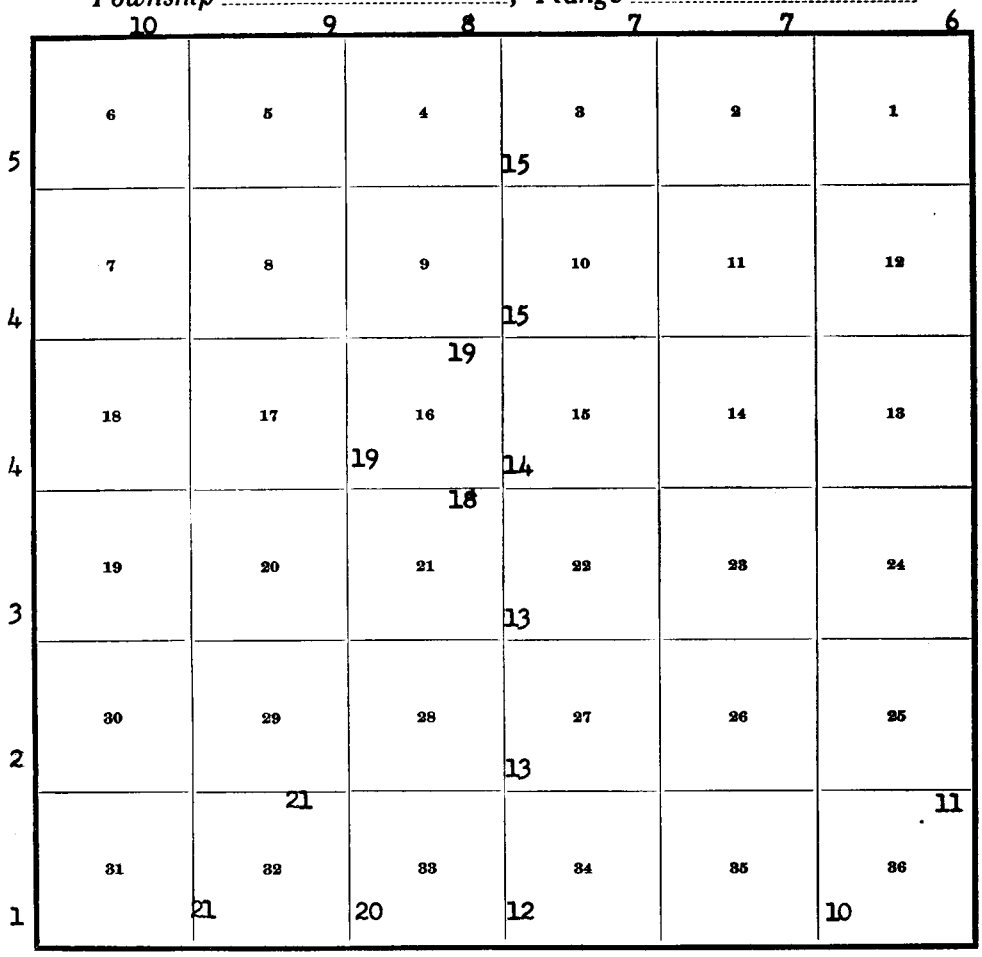
Survey commenced September 13, 1955, *19*

Survey completed October 28, 1955, *19*

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 27 South, *Range* 7 East



16—56770-1

2405

North and West Boundaries and Portions of the Subdivision, T. 27 S., R. 7 E.

The East and South Boundaries of this township were concurrently surveyed under this group, and their record appears in the field notes of Township 27 South, Range 8 East, and Township 28 South, Range 7 East, respectively.

The following field notes are those of the North and West Boundaries and a portion of the subdivision of Township 27 South, Range 7 East, deemed sufficient in extent to facilitate developement of the natural resources and mark the boundaries of those sections that normally are considered State School Sections.

The survey was made with a W.&L.E. Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalence alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38° 24' 40.5" N., and longitude 111° 06' 02.7" W., as is determined by traverse from U.S.G.S. Triangulation Station "Black" situated in Section 30, T. 28 S., R. 8 E., and verified by traverse from U.S.G.S. Triangulation Station "Chance" situated in Section 33, Township 26 S., R. 7 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

West Boundary, Township 27 S., R. 7 E.

Chains

From the cor. of Townships 27 and 28 S., Rs. 6 and 7 E.

North, between Secs. 31 and 36.

Over rocky, broken terrain; ascend 235 ft. over broken, steep, clay S. slope with brown shale cliffs and ledges.

chains	
15.15	Rim of cliff which divided the South Desert from the Hartnet Area, bears N. 75° W. and S. 75° E.; ascend 290 ft. over a S. slope covered with black trachyte rocks of various sizes.
36.35	Top of hill, axis bears E. and W. Descend 55 ft. over a N. slope covered with trachyte rocks.
40.00	Point for the ¼ Sec. cor. of Secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S36 | S31 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue descent of 95 ft. over a rocky N. slope.
46.84	Base of descent; ascend 35 ft. over a broken, general S. to SE. slope
64.13	Top of ascent; descend 160 ft. over broken NE. slope with large areas of exposed sandstone bedrock.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	T27S R6E R7E S25 | S30 S36 | S31 1955
	Raise a mound of stone, 3½ ft. base, 24 ins. high, W. of cor.
	Land, broken mountainous. Soil, clay, sandy clay. Timber, scattered pinon and juniper trees. Undergrowth, shadscale, desert sage, rabbit brush and range grass.
	North, between Secs. 25 and 30.
	Over broken terrain with large patches of exposed bedrock; descend 45 ft. over a general N. slope.
32.01	Unimproved dirt road, Blue Flats-Fremont Road, bears E. and W.
36.82	Wash, 20 lks. wide, 4 ft. deep, drains N. 80° E. from S. 70° W.; continue across open terrain.
39.10	Point for the Witness ¼ Sec. Cor. of Secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	W C ¼ S25 | S30 1955

West Boundary, Township 27 S., R. 7 E.

chains	
	Raise a mound of stone, 3 ft. base, 26 ins. high, W. of cor.
40.00	True point for the ¼ sec. cor. of Secs. 25 and 30, falls in wash, 2 chs. wide, 9 ft. deep, drains E. from W. Continue across open terrain.
67.14	Base of hill covered with black trachyte rock of various sizes; ascend 175 ft. over a SE. slope to cor.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross chisled (x) into bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,

T27S
R6E R7E

S24	S19
S25	S30

1955

Land, rolling to partially broken.
Soil, sand and sandy clay.
Timber, scattered pinon and juniper trees.
Undergrowth, rabbit brush, desert sage and range grass.

	North, between Secs. 19 and 24.
	Over rocky, broken terrain; continue to ascend 110 ft. over a SE. slope covered with trachyte rocks of various sizes.
13.77	Top of hill; descend 360 ft. over a rocky NE. slope of rocky hill.
22.10	Chasm, 130 lks. wide, 150 ft. deep, vertical rock walls, bears N. 70° E. and S. 60° W. to canyon head 4 chs. distance. Ascend 60 ft. over a rolling SE. shale slope.
40.00	Point for the ¼ sec. cor. of Secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,

¼

S24	S19

1955

	Continue to ascend 10 ft. to top of shale hill.
41.36	Top of hill; descend 245 ft. over a NE. slope of a series of sandstone ledges and ridges.
73.18	South edge of small desert valley; descend 20 ft. over a gradual N. slope.
77.28	Wash, 100 lks. wide, 6 ft. deep, drains S. 85° E. from N. 80° W. on a very meandering course. Continue across open terrain.
80.00	Point for the cor. of Secs. 13,18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, 3½ ft. base to top, with brass cap mkd.,

chains	
	T27S R6E R7E S13 | S18 S24 | S19 1955 Land, broken. Soil, sandy clay and shale. Timber, scattered pinon and juniper. Undergrowth, rabbit brush, greasewood and range grass.
	North, between Sec. 13 and 18. Across a gradual SE. slope of desert valley.
30.10	Base of ascent; continue over large spur extending N. 45° E. from the main body and cliff. Ascend 330 ft. over steep SE. slope of a broken rocky hill with many cliffs and series of ridges and ledges.
40.00	True point for the ¼ sec. cor. of Secs. 13 and 18, falls on a series of inaccessible sandstone ledges.
48.42	Point for the Witness ¼ Sec. cor. of Secs. 13 and 18 at top of ledges. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S13 | S18 W C 1955 Continue to ascend 270 ft. over a steep broken SE. slope.
63.07	Top of hill spur; main axis bears N. 45° E. and S. 45° W. across saddle to main cliff; descend 280 ft. over a rocky, partially broken, N. to NW. slope to cor.
80.00	Point for the cor. of Secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., T27S R6E R7E S12 | S7 S13 | S18 1955 Land, broken mountainous. Soil, sandy, clay and rocky. Timber, occasional juniper or pinon tree. Undergrowth, shadscale, rabbit brush and range grass.
	North, between Secs. 7 and 12. Descend in to rolling, open terrain of the Middle Desert; descend 410 ft. over a rocky, partially broken NW. slope.

West Boundary, Township 27 S., R. 7 E.

chains	
34.07	South edge of Middle Desert; descend 20 ft. over a gradual rolling N. slope through a good growth of desert sage, rabbit brush and range grass.
40.00	Point for the ¼ sec. cor of Secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	¼ S12 | S7 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Continue across rolling, open desert terrain.
48.89	Unimproved dirt road, Caineville-Emery Road, bears E. and W. direction; continue across desert terrain.
58.78	Wash, 100 lks. wide, 7 ft. deep, drains E. from N. 70° W. Ascend 15 ft. over a rolling, gradual S. slope.
80.00	Point for the cor. of Secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T27S R6E R7E S1 | S6 S12 | S7 1955
	Raise a mound of stone, 2½ ft. base, 23 ins. high, W. of cor.
	Land, rolling desert terrain. Soil, sand. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	North, between Secs. 1 and 6. Ascend 25 ft. over a very gradual S. slope of rolling sand knolls.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,
	¼ S1 | S6 1955
	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	Continue to ascend 20 ft. over a rolling S. slope.
74.92	Wash, 60 lks. wide, 12 ft. earth banks, drains S. 10° E. from N. 20° W. on a very meandering course. Continue across rolling desert terrain.
80.00	Point for the cor. of Tps. 26 and 27 S., Rs. 6 and 7 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

West Boundary, Township 27 S., R. 7 E.

chains	
	T26S R6E. R7E S36 | S31 S1 | S6 T27S 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.
	Land, rolling desert terrain. Soil, sand. Timber, none. Undergrowth, desert sage, rabbit brush and range grass.

North Boundary, Township 27 S., R. 7 E.

	From the cor. of Tps. 26 and 27 S., Rs. 7 and 8 E.
	West, between Secs. 1 and 36.
	Over general S. slope of the Moroni Slope and across deep canyon wash.
8.00	Canyon Wash, 200 lks. wide, 50 ft. vertical shale rock walls, drains S. from N. Descend 40 ft. over very gradual S. to SW. general slope.
28.29	Canyon Wash, 700 lks. wide, at top, 80 ft. nearly vertical shale rock walls, drains S. 20° W. from N. 10° E. Continue across a SW. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground with brass cap mkd., ¼ S36 / S1 1955
	Raise a mound of shale stones, 4 ft. base, 16 ins. high, N. of cor.
	Descend 10 ft. over a SW. slope.
57.28	East rim of channel of Last Chance Wash, bears general N. and S. direction on elbow of channel; descend 190 ft. abruptly over face of stone cliff into channel.
58.60	Center of Last Chance Wash, 300 lks. wide, 6 ft. deep, drains S. from N. 60° W. on elbow of wash. The course of Last Chance Wash is very meandering in this area. Ascend 60 ft. over an E. slope.
68.74	Top of shale spur, projects N. 70° E. 2 chs. descend abruptly 50 ft. over face of cliff, which bears S. 80° W. and N. 75° E. to edge of wash channel.
76.54	Leave S. edge of wash channel; center of wash is 2 chs. N. and bears E. and N. 30° W. on curve; ascend 40 ft. over a rocky NE. slope to cor.
80.00	Point for the cor. of Secs. 1, 2, 35 and 36, 30 lks. S. of 40 ft. shale cliff which bears N. 70° W. and E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.,

North Boundary, Township 27 S., R. 7 E.

chains	
	T26SR7E S35 | S36 S2 | S1 T27S 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor. Land, broken. Soil, shale and clay. Timber, none. Undergrowth, shadscale, rabbit brush and tamerisk in wash bottoms.
	West, between Secs. 2 and 35. Over highly eroded terrain of clay hills and clay gullys. Ascend 210 ft. over a NE. rolling, partially broken, slope, out of the Last Chance Wash Basin.
12.31	Top of ridge, bears N. 35° W. and S. 45° E. Descend 130 ft. over a gradual NW. slope.
28.16	Wash, 2 chs. wide, 30 ft. vertical shale walls, drains N. 70° E. from S. 65° W.; ascend 30 ft. over rolling clay hills.
34.28	Same wash, 150 lks. wide, 40 ft. nearly vertical shale walls, drains S. 20° E. from N. 40° W. Continue across rolling terrain.
40.00	Point for the ¼ Sec. cor. of Secs. 2 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S35 / S2 1955 Ascend 50 ft. over a gradual rolling E. slope.
48.06	Same wash, 200 lks. wide, 35 ft. vertical walls, drains N. 75° E. from S. 70° W. Ascend 145 ft. over a SE. slope of rolling white clay hills.
80.00	Point for the cor. of Secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., T26SR7E S34 | S35 S3 | S2 T27S 1955 Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor. Land, rolling to partially broken. Soil, clay. Timber, none. Undergrowth, shadscale and rabbit brush.
	West, between Secs. 3 and 34. Over a gradual E. slope of rolling clay hills; ascend 30 ft. over a SE. slope.

chains	
16.88	Wash, 30 lks. wide, 6 ft. deep, drains S. 70° E. from N. 45° W. Ascend 70 ft. over a rolling E. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid gypsum rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S34/S3 1955
	Continue across rolling desert terrain through heavy growth of rabbit brush and range grass; ascend 35 ft. over a gentle rolling E. slope to cor.
80.00	Point for the cor. of Secs. 3,4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T26SR7E S33 | S34 S4 | S3 T27S 1955
	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	Land, rolling. Soil, sandy clay. Timber, none. Undergrowth, shadscale, rabbit brush and range grass.
	West, between Secs. 4 and 33.
	Over rolling, nearly level desert terrain; ascend 40 ft. over a very gradual SE. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S33/S4 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, N. of cor.
	Ascend 120 ft. over a steep SE. slope.
43.42	Top of slope; continue across level bench terrain.
49.62	Descend 105 ft. over a steep W. slope.
57.45	Wash, 10 lks. wide, 2 ft. deep, drains S. 10° W. from N. 10° E. Ascend 85 ft. over a steep E. slope.
69.16	Top of clay hill; descend 70 ft. over a W. slope.
72.90	Base of descent; ascend 70 ft. over a general E. slope to cor.
80.00	Point for the cor. of Secs. 4, 5, 32 and 33.

North Boundary, Township 27 S., R. 7 E.

chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.,
	T26SR7E S32 | S33 S5 | S4 T27S 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, W. of cor.
	From this cor. the U.S.G.S. Triangulation Station "Chance" bears N. 15° 16' E., 70.29 chs. distant. The geographic position of this station is Lat. 38° 30' 37.209" N., Long. 110° 10' 13.041" W.
	Land, rolling.
	Soil, sandy clay.
	Timber, none.
	Undergrowth, shadscale and sparce range grass.
	West, between Secs. 5 and 32.
	Over rolling terrain of the Middle Desert.
4.20	Descend 95 ft. over a W. slope.
10.25	Base of descent; continue across rolling terrain.
24.55	Wash, 60 lks. wide, 4 ft. deep, drains S. from N.; continue across rolling terrain to cor.
40.00	Point for the ¼ Sec. cor. of Secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S32 S5 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, N. of cor.
	Continue across a rolling, very gradual south slope.
65.78	Wash, 50 lks. wide, 4 ft. deep, drains S. 30° E. from N. 10° W.; continue across rolling terrain to cor.
80.00	Point for the cor. of Secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T26SR7E S31 | S32 S6 | S5 T27S 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	Land, rolling.
	Soil, sandy.
	Timber, none.
	Undergrowth, rabbit brush and range grass.
	West, between Secs. 6 and 31.

chains	
	Over rolling desert terrain.
15.50	Middle Desert Wash, 70 lks. wide, 8 ft. deep, drains S. 10° E. from N. 10° W. on a very meandering course; continue across rolling terrain to cor.
40.00	Point for the ¼ Sec. cor. of Secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S31/S6
	1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, N. of cor.
	Ascend 30 ft. over a SE. slope.
67.40	Top of ascent; descend 35 ft. over a SW. slope.
71.90	Wash, 40 lks. wide, 5 ft. deep, drains S. 20° W. from N.; continue across rolling sand hills to cor.
78.17	The cor. of Tps. 26 and 27 S., Rs. 6 and 7 E.
	Land, rolling. Soil, sandy. Timber, none. Undergrowth, rabbit brush and range grass.

Portions of the Subdivision, T. 27 S., R. 7 E.

	From the cor. of Secs. 1, 2, 35 and 36, on the South Boundary of the Township.
	N. 0° 01' W., between Secs. 35 and 36.
	Over rough, broken terrain with large areas of exposed, broken, white sandstone bedrock.
0.60	Wash, 17 lks. wide, 2 ft. vertical rock banks, drains S. 45° E. Ascend 10 ft. over a gradual S. slope.
7.69	Rim of canyon, bears, generally E. and W. Descend 105 ft. over a series of sandstone ledges.
17.74	Wash, 40 lks. wide, 4 ft. stone banks, drains S. 70° E. from W. Ascend 120 ft. over a S. slope of sandstone ridges and ledges.
25.01	Small wash, 15 lks. wide, 3 ft. deep, drains S. 45° E. from N. 60° W. Continue ascent of 35 ft. over barren, broken sandstone bedrock.
33.89	Rim of Middle Desert Cliff; descend 35 ft. abruptly over face of small brown sandstone cliff, thence descend 45 ft. over a broken, barren N. talus slope to cor.
40.00	True point for the ¼ Sec. cor. of Secs. 35 and 36, falls in wash, 30 lks. wide, 4 ft. deep, drains N. 30° E. from S. 40° W.
40.26	Point for the witness ¼ Sec. cor. of Secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,

Portions of the Subdivisions, T. 27 S., R. 7 E.

chains	
	S35 | S36 W C 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Descend 50 ft. over a general N. slope.
47.64	Wash, 20 lks. wide, 5 ft. deep, drains N. 70° E. from S. 50° W. to wash that drains N. 20° E. 4 chs. distant. Ascend 25 ft. over rolling clay knolls.
51.80	Top of hills; descend 115 ft. over a rolling N. slope.
61.76	South edge of Middle Desert; continue across open desert terrain.
80.00	Point for the cor. of Secs. 25, 26, 35, and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T27SR7E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, partially broken to rolling desert terrain. Soil, rocky and sandy. Timber, scattered pinon and juniper S. ¼ mile. Undergrowth, shadscale, rabbit brush and range grass.
	From the cor. of Secs. 25, 30, 31 and 36, on the East Boundary of the Township.
	N. 89° 59' W., between Secs. 25 and 36.
	Over partially broken terrain with large patches of exposed white sandstone bedrock.
	Ascend 70 ft. over a general E. slope of clay hills and valleys.
36.38	Top of ascent; descend 30 ft. over a very gradual S. to SW. slope over a series of small sandstone ledges.
39.70	Descend 20 ft. over a steep SW. slope to cor.
40.07	Point for the ¼ Sec. cor. of Secs. 25 and 36.
	Set an iron post, 30 ins. high, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S25 / S36 1955
	Raise a mound of stone, 3 ft. base, 28 ins. high, W. of cor.
	Descend 20 ft. over a broken SW. slope.
43.80	Wash, 25 lks. wide, 3 ft. deep, drains S. 60° E. from N. 60° W. Ascend 80 ft. over a broken E. slope of sandstone ledges.

Portions of the Subdivision, T. 27 S., R. 7 E.

chains	
54.65	Top of ascent of barren sandstone bedrock; descend 25 ft. over a broken W. slope.
61.23	Wash, 15 lks. wide, 2 ft. deep, drains S. 10° E. from N. Ascend 45 ft. over an E. slope of red clay hill.
67.40	Top of hill; descend 100 ft. over a steep W. slope of red clay.
74.05	Top of red shale cliff, bears S. 10° W. and N. 05° E. Descend abruptly 45 ft. over face of cliff into Middle Desert.
74.85	Southwest edge of Middle Desert; continue across open desert terrain to cor.
80.14	The cor. of Secs. 25, 26, 35 and 36.
	Land, partially broken. Soil, clay and sand. Timber, very sparce pinon trees. Undergrowth, shadscale, greasewood and range grass.
	From the cor. of Secs. 3, 4, 33 and 34, on the South Boundary of the Township.
	N. 0° 02' W., between Secs. 33 and 34.
	Across rocky, broken terrain; ascend abruptly 40 ft. over face of cliff.
1.70	Top of cliff, bears general E. and W. direction; continue across rocky broken terrain with large expanse of exposed bedrock.
40.00	Point for the ¼ sec. cor. of Secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd., ¼ S33 | S34 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Ascend 30 ft. over general S. slope of rocky broken terrain.
65.49	Wash, 30 lks. wide, 4 ft. deep, drains W. from E. one chain, thence S. 30° W. Ascend 25 ft. over rocky, gradual SW. slope to cor.
80.00	Point for the cor. of Secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., T27SR7E S28 | S27 S33 | S34 1955
	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	Land, rocky, partially broken. Soil, sandy and rocky. Timber, very scattered pinon and juniper trees. Undergrowth, greasewood, rabbit brush and range grass.

chains	
	N. 0° 02' W., between Secs. 27 and 28.
	Over rocky, broken terrain, ascend 105 ft. over a general S. slope over large areas of broken sandstone bedrock.
34.33	Top of cliff; bears general E. and W. direction. Cliff is 150 ft. high; descend abruptly 150 ft. over face of brown rock cliff and then descend 210 ft. over very steep rock N. talus slope to cor.
38.60	Base of descent; continue across level bench.
40.00	Point for the ¼ Sec. cor. of Secs. 27 and 28, situated on small bench 200 ft. above desert floor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.,
	¼ S28 | S27 1955
	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
40.30	Top of cliff, bears general E. and W. direction; descend 185 ft. over face of cliff and talus slope to south edge of Middle Desert.
52.97	South edge of Middle Desert; ascend 35 ft. over a S. slope of rolling brown sandy clay hills.
54.08	Top of hills; descend 55 ft. over rolling N. slope.
62.05	Continue over open rolling terrain of the Middle Desert to cor.
80.00	Point for the Cor. of Secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	T27SR7E S21 | S22 S28 | S27 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Land, broken to rolling open desert. Soil, sandy clay to sand. Timber, none. Undergrowth, shadscale, rabbit brush and range grass.
	N. 0° 02' W., between Secs. 21 and 22.
	Over open desert terrain of the Middle Desert, through a good growth of rabbit brush, desert sage, and range grass. Descend 20 ft. over a rolling, very gradual N. slope of desert.
40.00	Point for the ¼ Sec. cor. of Secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	¼ S21 | S22 1955

chains	
	Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor.
	Continue across open desert terrain.
47.60	Middle Desert Wash, 100 lks. wide, 10 ft. deep, drains S. 75° E. from N. 75° W. Continue across rolling desert terrain.
54.09	Unimproved dirt road, Caineville-Emery Road, bears, S. 65° E. and N. 65° W. Ascend 60 ft. over a general S. slope of rolling desert land.
80.00	Point for the cor. of Secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T27SR7E S16 | S15 S21 | S22 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, W. of cor.
	Land, rolling desert terrain. Soil, sand. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	N. 0° 02' W., between Secs. 15 and 16.
	Across the Middle Desert; ascend 60 ft. over a SW. slope of rolling sand hills.
25.16	Top of sand hills; descend 20 ft. over a very gradual N. slope.
40.00	Point for the ¼ Sec. cor. of Secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	¼ S16 | S15 1955
	Raise a mound of stone, 2 ft. base, 16 ins. high, W. of cor.
	Continue gradual descent of 10 ft. over a rolling N. slope.
56.00	Descend 30 ft. over a series of highly eroded white clay hills.
63.30	Wash, 40 lks. wide, 8 ft. deep, drains N. 75° E. from N. 70° W. Ascend 40 ft. over a series of highly eroded white clay hills and gulleys.
80.00	Point for the cor. of Secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T27SR7E S9 | S10 S16 | S15 1955

chains

Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.

Land, rolling desert terrain.
Soil, sand and clay.
Timber, none.
Undergrowth, rabbit brush, desert sage and range grass.

N. 0° 02' W., between Secs. 9 and 10.

Over rolling terrain; across rolling clay hills.

13.70 Wash, 40 lks. wide, 6 ft. deep, drains S. 40 ° E. from N. 40° W.
Ascend 50 ft. over a series of rolling white clay hills.

40.00 Point for the ¼ Sec. Cor. of Secs. 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. into the ground to solid gypsum rock, and in a collar of gypsum rock, with brass cap mkd.,

¼
S9 | S10
1955

Raise a mound of gypsum stone, 3 ft. base, 24 ins. high, W. of cor.

Continue across a series of highly eroded clay hills and gullys to cor.

80.00 Point for the cor. of Secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

T27SR7E
S4 | S3
S9 | S10
1955

Raise a mound of stone, 2 ft. base, 16 ins. high, W. of cor.

Land, rolling.
Soil, sandy clay to clay.
Timber, none.
Undergrowth, shadscale, rabbit brush and range grass.

N. 0° 04' E., between Secs. 3 and 4.

Over highly eroded clay hills and gulleys. Ascend 120 ft. over a general S. slope of rolling clay hills to cor.

40.00 Point for the ¼ Sec. cor. of Secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,

¼
S4 | S3
1955

Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.

chains	
	Continue ascent of 90 ft. over a series of rolling white clay hills and gulleys.
60.84	Top of ascent of clay hills; continue across level bench terrain to cor.
79.97	The cor. of Secs. 3, 4, 33 and 34 on the North Boundary of the Township. Land, rolling. Soil, clay. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of Secs. 1, 2, 35 and 36, on the North Boundary of the Township. S. 0° 01' E., between Secs. 1 and 2. Over partially broken, highly eroded white clay hills and gulleys. Ascend abruptly 120 ft. over face of shale cliffs.
1.98	Top of series of shale cliff, bears S. 70° E. and N. 80° W. Ascend 65 ft. over a general NE. slope of rolling clay hills.
30.36	Top of ascent; descend 55 ft. over a SE. slope of rolling to partially broken, clay and gypsum hills.
39.99	Point for the ¼ Sec. cor. of Secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., ¼ S2 | S1 1955 Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor. Continue descent of 75 ft. over a general SE. slope of highly eroded clay and gypsum hills and gulleys.
79.99	Point for the cor. of Secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., T27SR7E S2 | S1 S11 | S12 1955 Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor. Land, rolling. Soil, clay and gypsum. Timber, none. Undergorwth, shadscale, ocassional rabbit brush.
	From the cor. of Secs. 2, 3, 34 and 35, on the North Boundary of the Township. S. 0° 01' E., between Secs. 2 and 3.

Chains	
	Over rolling, partially broken terrain.
	Descent 10 ft. over rolling clay and gypsum hills.
1.50	Wash, 20 lks. wide, 10 ft. earth banks, drains E. from W. Ascend 10 ft. over SE. slope.
18.55	Wash, 20 lks. wide, 15 ft. vertical earth banks, drains N. 70° E. from S. 70° W. Continue across rolling clay hills and deep gullys.
39.98	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to gypsum rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S3 | S4 1955
	Descend 45 ft. over a rolling SE. slope of clay and gypsum hills.
57.40	Enter wash, drains S. from N. 30° W. Continue down bed of wash.
68.55	Leave wash, drains S. 20° E. from N. Continue to descend 60 ft. over a SE. slope of rolling, partially broken, clay and gypsum hills and gullys.
78.24	Wash, 30 lks. wide, 8 ft. vertical earth banks, drains S. 30° E. from N. 30° W. Continue to descend 50 ft. over rolling SE. slope.
79.98	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid gypsum rock, and in a collar of gypsum rock, with brass cap mkd.,
	T27SR7E S3 | S2 S10 | S11 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, rolling to partially broken. Soil, clay. Timber, none. Undergrowth, shadscale.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 89° 59' W., between secs. 2 and 11.
	Over highly eroded clay and gypsum hills and deep gullys. Ascend 20 ft. over a general SE. slope to cor.
29.60	Wash, 14 lks. wide, 3 ft. deep, drains S. 50° E. from N. 30° W. Continue ascent of 20 ft. over a general SE. slope of rolling clay hills.
40.01	Point for the ¼ sec. cor. of secs. 2 and 11 at near top of a steep SW. slope.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid gypsum rock, and in a large mound of gypsum rock, 4½ ft. base to top, with brass cap mkd.,

Chains	
	$\frac{1}{4}$ $\frac{S2}{S11}$ 1955
	Descend 60 ft. over a steep SW. slope.
41.90	Wash, 30 lks. wide, 3 ft. deep, drains S. from N.; ascend 65 ft. over a steep, partially broken E. slope.
43.60	Top of steep ascent; ascend 30 ft. over series of clay hills and ridges that bear generally N. and S.
50.45	Wash, 50 lks. wide, 10 ft. earth walls, drains S. 10° E. from N. 10° W. Continue across rolling clay hills.
67.10	Wash, 30 lks. wide, 3 ft. deep, drains S. 30° E. from N. 30° W. Continue across rolling terrain.
78.50	Wash, 30 lks. wide, 4 ft. earth banks, drains S. 40° E. from N. 30° W. Ascend 20 ft. over a steep NW. slope to cor.
80.02	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling, partially broken. Soil, clay. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the cor. of secs. 15, 16, 21 and 22.
	West, between secs. 16 and 21.
	Across rolling desert terrain; descend 20 ft. over a general SW. slope of the Middle Desert.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	$\frac{1}{4}$ $\frac{S16}{S21}$ 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, N. of cor.
	Continue across open desert terrain.
66.49	Unimproved dirt road, Caineville-Emery Road, bears S. 45° E. and N. 45° W.
77.19	Middle Desert Wash, 150 lks. wide, 10 ft. deep, drains S. 35° E. from N. 35° W.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	T27SR7E S17 | S16 S20 | S21 1955
	Raise a mound of stone, $2\frac{1}{2}$ ft. base, 24 ins. high, W. of cor.

Portions of the Subdivision, T. 27 S., R. 7 E.

chains	
	Land, rolling desert terrain. Soil, sand. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	N. 0° 03' W., between Secs. 16 and 17.
	Over rolling desert land.
2.00	Middle Desert Wash, 150 lks. wide, 10 ft. deep, drains S. 45° E. from N. 35° E. Continue across rolling terrain.
22.99	Unimproved dirt road, Caineville-Emery Road, bears S. 35° E. and N. 50° W. Ascend 10 ft. over rolling desert terrain.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., ¼ S17 | S16 1955 Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	Continue across rolling sand and clay knolls and hills of the Middle Desert.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd., T27SR7E S8 | S9 S17 | S16 1955 Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, rolling. Soil, sand and clay. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of Secs. 9, 10, 15 and 16.
	West, between Secs. 9 and 16.
	Over rolling white clay hills; descend 20 ft. over a general S. to SW. slope.
14.33	Wash, 20 lks. wide, 6 ~~ft.~~ deep, drains S. 30° E. from N. 30° W. Continue across open rolling desert land.
38.90	Wash, 50 lks. wide, 10 ft. deep, drains S. 45° E. from N. 45° W.
40.01	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd., ¼ S9 / S16 1955

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Portions of the Subdivision
T. 27 S., R. 7 E.

chains	
	Raise a mound of stone, 2½ ft. base, 20 ins. high, N. of cor.
	Continue across a general S. slope of rolling clay hill of the Middle Desert to cor. No notable topography.
80.02	Point for the cor. of secs. 8, 9, 16 and 17.
	Land, rolling. Soil, sand and clay. Timber, none. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 4, 5, 32 and 33, on the South Boundary of the Township.
	N. 0° 03' W., between secs. 32 and 33.
	Over rocky broken terrain, with large patches of exposed bedrock; ascend 45 ft. over a rocky S. slope.
8.43	Top of hill; descend 55 ft. over a rocky broken N. slope.
15.12	Wash, 15 lks. wide, 3 ft. deep, drains S. 85° E. from N. 85° W. Ascend 50 ft. over a gradual partially broken S. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., ¼ S32 | S33 1955
	Raise a mound of stone, 2½ ft. base, 30 ins. high, W. of cor.
	Descend 100 ft. over a steep rocky N. slope.
46.41	Wash, 150 lks. wide, 6 ft. deep, drains E. 2 chs. then N. 40° E. from W. Continue across rocky terrain.
62.49	Wash, 160 lks. wide, 4 ft. deep, drains S. 20° E. for 3 chs. thence E. from N. 20° W. Continue across partially broken terrain.
76.00	Wash, 90 lks. wide, 5 ft. deep, drains E. 4 chs. thence S. 45° E. from W.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled on solid bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., T27SR7E S29 | S28 S32 | S33 1955
	Land, partially broken. Soil, sand and rocks. Timber, very scattered juniper and pinon trees. Undergrowth, desert sage, rabbit brush and range grass.
	From the cor. of secs. 5, 6, 31 and 32 on the South Boundary of the Township.

chains	
	N. 0° 03' W., between Secs. 31 and 32.
	Over rocky, partially broken terrain.
4.00	Wash, 20 lks. wide, 3 ft. deep, drains S. 50° E. from N. 50° W. Ascend 75 ft. over a rocky S. slope.
13.08	Top of hill; continue across flat top of hill.
25.06	Descend 70 ft. over a steep, rocky NE. slope.
27.76	Wash, 30 lks. wide, 4 ft. deep, drains E. one chain, then S. 45° E. from W. Continue across rocky, partially broken terrain.
40.00	Point for the ¼ Sec. cor. of Secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap mkd.,
	¼ S31 | S32 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Ascend 40 ft. over a rocky SE. slope.
42.30	Top of small hill; descend 40 ft. over rocky NE. slope.
47.09	Wash, 18 lks. wide, 3 ft. deep, drains S. 60° E. from N. 60° W. Continue over rolling to partially broken terrain.
80.00	Point for the cor. of Secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T27SR7E S30 | S29 S31 | S32 1955
	Land, partially broken. Soil, sand and rocky. Timber, scattered juniper and pinon trees. Undergrowth, rabbit brush and range grass.
	From the cor. of secs. 28, 29, 32 and 33, W. between Secs. 29 and 32.
	Over partially broken, rocky terrain, with large patches of exposed bedrock; descend 30 ft. over a general SW. slope.
3.30	Base of descent; continue across partially broken, rocky terrain.
17.78	Wash, 150 lks. wide, 6 ft. deep, drains S. 70° E. from N. 70° W. over very meandering course; ascend 110 ft. over a rocky E. slope to cor.
40.04	Point for the ¼ sec. cor. of Secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock and in a mound of stone, 5 ft. base to top, with brass cap mkd.,

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chains	
	$\frac{1}{4}$ $\frac{S29}{S32}$ 1955
	Ascend 30 ft. over a rocky E. slope.
42.00	Top of hill; descend 65 ft. over a rocky W. slope to a small flat.
54.16	Unimproved dirt road, Blue Flats-Fremont Road, bears N. three chains, thence N. 70° W. from S. 20° E. Ascend 40 ft. over a NE. slope of rocky hill.
65.74	Top of rocky hill; descend 20 ft. over rocky SW. slope to cor.
80.08	The cor. of Secs. 29, 30, 31 and 32.
	Land, rolling to partially broken. Soil, sand and rocks. Timber, scattered pinon and juniper trees. Undergrowth, rabbit brush and range grass.

General Description

Township 27 South, Range 7 East is divided, topographically and geologically, into two distinct types of terrain. This division is made by a 400 ft. high, brown sandstone cliff; which, facing north runs southeast across the township from the west boundary of Section 19 to the west boundary of Section 36. The high portion south of the cliff is called the "Hartnet" and consists of broken, rocky terrain with large patches of exposed white sandstone bedrock. The larger remaining part of the township, north of the cliff, lies entirely within the rolling "Middle Desert".

Drainage of the Middle Desert area is accomplished by the large Middle Desert Wash. This wash enters the township on the north boundary of section 6, drains southeast to the center of the township, then reverses its direction northeasterly, leaving the township on the east boundary of section 12. The Hartnet region of this township is drained by several deep washes in a southeast direction.

The soil of the township varies from the coarse grained, brown sand of the Middle Desert to the rocky, white sandy clay of the Hartnet. Both soils support a good growth of vegetation. An exceptionally fine growth of range grass covers the entire Middle Desert. Rabbit brush, tamerisk, desert sage, shadscale and greasewood undergrowth are found throughout the township, however, pinon and juniper trees are found only in the Hartnet.

Access to the township is gained by the Caineville-Emery and the Fremont-Blue Flats dirt roads. The Caineville-Emery road crosses the township through the Middle Desert. The Fremont-Blue Flats road enters the township on the south boundary of Section 32, and leaves on the west boundary of section 30.

A number of uranium mining locations are scattered throughout the township. No other evidence of any mineral was found during the progress of this survey.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-1

4-660
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig B. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Frank A. Brinkerhoff	Chainman
DeeVon Thompson	Rodmen
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

16—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 15 th day of April 1955, I have surveyed the North and West Boundaries and a Portion of the Subdivision of Township 27 South, Range 7 East

of the Salt Lake Meridian, in the State of Utah, which a represented in the foregoing field notes as having been executed by me and under my direction; and th said survey has been made in strict conformity with said instructions, the Manual of Instructions for t Survey of the Public Lands of the United States, and in the specific manner described in the foregoi field notes.

April 16, 1955

Salt Lake City, Utah

Kenneth F. Hansen

Kenneth F. Hansen
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1956, *19*

The foregoing field notes of the survey of the North and West Boundaries and a Portion o the Subdivision of Township 27 South, Range 7 East

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

Chief, Division of Cadastral Engineering,
Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—63363-2

ORIGINAL

180

(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of the North, West, and Portion of the South Boundaries

and

Portions of the Subdivision

of

Township 27 South, Range 8 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Kenneth F. Hansen, Cartographer-Cadastral

Under special instructions dated April 15, *19* 55, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* May 2, *19*55

Survey commenced May 19, *19* 55

Survey completed July 25, *19* 55

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

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16—56770-1

1368

The east boundary of T. 27 S., R. 8 E., was surveyed by Elliot Bird in 1940. The east 3 miles of the south boundary of this township was surveyed by Andrew Nelson in 1952.

The following field notes are those of the survey of the north, west, and the west three miles of the south boundaries, and portions of the subdivision of Township 27 South, Range 8 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally designated State School Sections.

The survey was made with a W.&L.E.Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management, and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links, and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38° 24' 40.5" N., and longitude 110° 59' 22.9" W., as is determined by traverse from U.S.G.S. Triangulation Station "Black" situated in Section 30, T. 28 S., R. 8 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

Survey of a Portion of the South Boundary, Township 27 S., R. 8 E.

Chains	
	Beginning at the cor. of secs. 3, 4, 33 and 34, which is monumented by an iron post, 2½ ins. diam., flush with the surface of the ground near top of a large clay and shale hill, mkd., set and witnessed as described in the official record.
	West, between secs. 4 and 33.
1.55	Top of clay hill, long axis bears N. and S.; descend 280 ft. over a very steep, loose clay, west slope.

Survey of a Portion of the South Boundary, Township 27 S., R. 8 E.

chains	
9.93	Base of clay hill; continue across broken white sandstone terrain.
22.55	Wash, 40 lks. wide, 12 ft. deep, drains S. from N. 20° E.; continue across broken rocky terrain.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.,
	¼ S33 / S4 1955
	Enter sandy, rolling knolls and hills, partially broken with sandstone ledges and outcroppings.
40.61	Wash, 30 lks. wide, 6 ft. deep, drains S. 20° E. from N. 10° W.
51.29	Wash, 25 lks. wide, 4 ft. deep, drains S. from N.; ascend 30 ft. over an E. slope.
61.98	Top of conglomerate rock hill; descend 30 ft. over a W. slope.
71.07	Wash, 15 lks. wide, 3 ft. deep, drains S. 20° W., from N. 20° E.
79.47	Wash, 70 lks. wide, 8 ft. deep, drains due S. from N. At this point, unimproved road runs along the bedrock bottom of this wash.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T27S T8E S32 | S33 S5 | S4 T28S 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, N. of cor.
	Land, broken sandstone bedrock and rolling sand hills. Soil, sandy with large patches of bedrock. Timber, sparce pinon and juniper trees. Undergrowth, desert sage, greasewood and range grass.
	West, between secs 5 and 32.
	Ascend 90 ft. over a gradual E. slope, partially broken by sandstone ledges and outcroppings.
27.55	Top of ascent; descend 75 ft. over a W. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S32 / S5 1955
	Continue across small sandy flat.

Survey of a Portion of the South Boundary, Township 27 S., R. 8 E.

chains	
41.40	East bank of large wash, 8 ft. deep, drains S. on curve to S. 40° W. from N.
46.50	West bank of wash; continue across rolling, sandy knolls.
51.10	Caineville-Emery dirt road, bears N. 15° W. and S. 35° E.
56.60	Wash, 300 lks. wide, 5 ft. deep, drains S. from N.; ascend 15 ft. over a gradual SE. slope.
70.80	Wash, 25 lks. wide, 4 ft. deep, drains S. 75° E. from N. 75° W.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap mkd.,
	T27SR7E S31 | S32 S6 | S5 T28S 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, rolling sand hills. Soil, sandy. Timber, occassional pinon and juniper tree. Undergrowth, desert sage, greasewood and range grass.
	West, between secs. 6 and 31.
	Over partially broken terrain; ascend 55 ft. over a series of broken cliffs of conglomerate rock.
3.40	Top of ascent; continue across partially broken terrain of a broad plain.
9.08	Wash, 30 lks. wide, 3 ft. deep, drains N. 65° E. from S. 65° W.
30.78	Base of red clay slope with a capping of conglomerate rock. Ascend 100 ft. over an E. slope.
35.13	Top of ascent; continue across level terrain of mesa.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.,
	¼ S31 S6 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, N. of cor.
43.50	Descend 110 ft. over a W. slope.
48.29	Wash, at base of slope, 15 lks. wide, 3 ft. deep, drains N. 20° E. from S. 20° W.; across a broad sandy valley, with a moderately heavy undergrowth.
58.90	Wash, 200 lks. wide, 1 ft. deep, drains N. 30° E. from S. 30° W.
66.71	Meeks cut-off dirt road, bears N. 30° E. from S. 40° W., connecting Blue Flats Road and the Caineville-Emery Road. Ascend 15 ft. over a gradual E. slope to cor.

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Survey of a Portion of the South Boundary, Township 27 S., R. 8 E.

chains	
82.69	The cor. of tps. 27 and 28 S., Rs. 7 and 8 E.
	Land, rolling bench land. Soil, sandy. Timber, very sparce pinon and juniper trees. Undergrowth, desert sage, greasewood and range grass.

Survey of the West Boundary, Township 27 S., R. 8 E.

	From the cor. of tps. 27 and 28 S., Rs. 7 and 8 E.
	North, between secs. 31 and 36.
	Over small sandstone knolls and ledges and occassional small clay hills.
24.28	Wash, 20 lks. wide, 4 ft. deep, drains E. from W.; continue across sandy flat.
40.00	Point for the ¼ cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., ¼ S36 | S31 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, W. of cor.
	Continue across a series of small clay knolls.
50.60	Wash, 30 lks. wide, 3 ft. deep, drains N. 50° E. from S. 45° W.
56.90	Wash, 20 lks. wide, 3 ft. deep, drains. E. from W.
66.30	Wash, 25 lks. wide, 3 ft. deep, drains S. 70° E. from W.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., T27S R7E | R8E S25 | S30 S36 | S31 1955
	Raise a mound of stone, 3 ft. base, 32 ins. high, W. of cor.
	Land, rolling knolls and hills Soil, sand and clay. Timber, none. Undergrowth, greasewood and sparce range grass.
	North, between secs. 25 and 30.
	Across rolling clay hills.
9.80	Wash, 30 lks. wide, 4 ft. deep, drains E. from W.

West Boundary, Township 27 S., Range 8 East.

chains	
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S25 | S30 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Continue across rolling, partially broken, rocky terrain.
53.06	Caineville-Emery Road, unimproved dirt road, bears S. 45° E. and N. 65° W.; continue across broken rocky terrain.
76.29	Wash, 60 lks. wide, 4 ft. deep, drains E. for 3 chs. then S. 30° E. from W.; ascend 20 ft. over a rocky SE. slope.
80.00	Point for the cor. of secs. 19, 24, 25, and 30.
	Set an iron post, 30 ins. long. 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T27S R7E | R8E S24 | S19 S25 | S30 1955
	Land, rolling to broken. Soil, sand, clay, rocky with large patches of exposed bedrock. Timber, scattered pinon and juniper trees. Undergrowth, desert sage, greasewood, rabbit brush and range grass.
	North, between secs. 19 and 24.
	Ascend 110 ft. over a general S. to SE. slope of broken sandstone ridges, small ledges and exposed bedrock.
40.00	True point for the ¼ sec. cor. of secs. 19 and 24 falls in wash, 20 lks. wide, 6 ft. deep, drains SE.
40.65	Point for the witness ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock and in a collar of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S24 | S19 ↓ WC 1955
	Raise a mound of stone, 3 ft. base, 26 ins. high, W. of cor.
	Continue across exposed bedrock.
47.75	Wash, 100 lks. wide, 8 ft. deep, drains S. 70° E., then S. 35° E. from N. 50° W.; ascend 130 ft. over a broken, rocky general SE. slope to cor.

chains	
80.00	Point for the cor. of secs. 13, 18, 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., T27S R7E R8E S13 | S18 S24 | S19 1955 Land, broken. Soil, sand, gravel and large areas of exposed bedrock. Timber, scattered juniper and pinon trees. Undergrowth, rabbit brush, greasewood and range grass.
	North, between secs. 13 and 18. Ascend 20 ft. over a general S. slope of broken white sandstone bedrock.
16.00	Base of large clay and shale hill, thickly covered with black trachyte rock, ranging from the size of large boulders to gravel; ascend 190 ft. over a rocky, SE. slope of the eastern tip of the hill.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd., ¼ S13 | S18 1955 Raise a mound of stone, 5 ft. base, 40 ins. high, W. of cor. Ascend 10 ft. over E. slope.
42.20	Crest of main spur of black hill. Axis projects E. 8 chs. and bears W. 4 chs. to top ofhill, 150 ft. above this point; descend 200 ft. over a NE. to N. rocky slope, covered with trachyte rocks to cor.
72.70	Triangulation point 1.
72.75	Point for the witness cor. of secs. 7, 12, 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd., WC T27S R7E | R8E S12 | S7 S13 | S18 1955 Raise a large mound of stone, 4½ ft. base, 36 ins. high, W. of cor.
72.79	Rim of chasm, bears N. 20° E. from S. 20° W. for 3 chs. to of gorge; descend abruptly 170 ft. over a series of vertical rock walls.

West Boundary, Township 27 South, Range 8 East.

chains	
78.10	Gorge, drains N. 20° E. over a series of cliffs from 10 to 100 ft. high, to main wash.
80.00	True point for the cor. of secs. 7, 12, 13 and 18 falls in inaccessible red clay gorge.
	Land, mountainous. Soil, rocky. Timber, none. Undergrowth, none.
	North, between Secs. 7 and 12.
	From Triangulation Point #1 to Triangulation Point #2 there is a minus differential in elevation of 280 ft. across and along an inaccessible gorge and cliffs.
35.17	Top of spur, Triangulation Point #2. Descend 40 ft. over a NE. slope covered with trachyte boulders to cor.
40.00	Point for the ¢ cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2[illegible] ins. in the ground to solid rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	S12 | S7 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Continue descent of 35 ft. over a NE. slope.
44.10	Wash, 20 lks. wide, 3 ft. deep, drains N. [illegible]° E. to Salvation Wash; continue descent of 280 ft. over a rolling NE. slope to wash.
57.11	Middle / Desert Wash, 250 lks. wide, 8 ft. deep, drains E. from W. parallel with cliff which seperates Middle Desert with the Hartnet; ascent 30 ft. cliff which faces S. and runs parallel to the Salvation Wash.
66.04	Top of cliff, bears E. and W.; ascend 135 ft. over a general S. slope, over many knolls and gullys cut into soft shale of the Moroni Slope.
80,00	Point for the cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	T27S R7E | R8E S1 | S6 S12 | S7 1955
	Land, rolling, broken and bottom lands. Soil, rocky, sandy and shale. Timber, none. Undergrowth, desert sage, tamerisk and range grass in wash.

chains	
	North, between Secs. 1 and 6.
	Continuous ascent of 130 ft. over a S. slope of the Moroni Slope.
30.68	Change of slope; continue across nearly level terrain.
39.24	Point for the witness ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to shale rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	W C ¼ S1 ↑ S6 1955
39.44	Southwest Rim of canyon bears N. 30° W. and S. 30° E.; descend abruptly 150 ft. over very steep shale slopes and sandstone cliffs and ledges to bottom.
40.00	True point for the ¼ sec. cor. of secs. 1 and 6 falls on inaccessible slope.
44.78	Center of East Chance Wash, 180 lks. wide, drains E. 3 chs. then S. 30° E. from N. 20° W.; ascend 150 ft. over series of sandstone ledges and cliffs and very steep shale slope.
50.49	Northeast rim of canyon; ascend 90 ft. over a general S. slope of the Moroni Slope to cor.
80.00	Point for the cor. of Tps. 26 and 27 S., Rs. 7 and 8 E.
	Set an iron post, 30 ins. long, 26 ins. in the ground, with brass cap mkd.,
	T26S R7E | R8E S36 | S31 S1 | S6 T27S 1955
	Raise a mound of stone, 9 ft. base, 30 ins. high, W. of cor.
	Land, continuous S. slope cut by deep canyons. Soil, shale. Timber, none. Undergrowth, greasewood, range grass and shadscale.

Survey of the North Boundary, Township 27 South, Range 8 East

From the cor. of Tps. 26 and 27 S., Rs. 8 and 9 E., which is monumented by a 3 ins. iron extending 14 ins. above the ground and in a small mound of stone, mkd., set and witnessed as described in the official record.

S. 89° 57' W., between secs. 1 and 36.

Across the broken general S. slope of the Moroni Dome; descend 120 ft. over a SW. slope.

6.85	Canyon Wash, 40 lks. wide, 85 ft. deep, almost vertical walls of shale rock, drains S. from N.; ascend 85 ft. over a SE. slope.

North Boundary, Township 27 South, Range 8 East.

chains	
28.50	Top of ascent; descend 70 ft. over a series of ridges and ledges of a SW. slope.
33.34	Canyon Wash, 30 lks. wide, 40 ft. deep, shale rock walls, drains S. Ascend 55 ft. over a general SE. slope to cor.
40.00	Point for the ¼ sec. cor. of sec. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.,
	¼ S36/S1 1955
	Raise a mound of stone, 2½ ft. base, 20 ins. high, N. of cor.
	Continue ascent of 110 ft. over a broken SE. slope.
55.50	Top of ascent; descend 40 ft. over a SW. slope.
64.50	Rim of canyon; descend 400 ft. over SW. to W. slope of a series of steep shale slopes and broken ledges and vertical sandstone cliffs measuring up to 150 ft. in height.
73.30	Wash in Canyon, 50 lks. wide, in bottom, drains S. from N.; ascend 490 ft. over a broken E. to SE. slope of steep slope and cliffs.
80.00	True point for the cor. of secs. 1, 2, 35 and 36, falls on inaccessible cliffs.
	Land, general S. slope, broken with many deep canyons. Soil, shale. Timber, none. Undergrowth, sparce greasewood and shadscale.
	S. 89° 57' W., between secs. 2 and 35.
	Over the general S. slope of the Moroni Dome.
7.97	Rim of canyon, bears N. and S.
8.83	Point for the witness cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid shale rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T26SR8E S35 | S36 → WC S2 | S1 T27S 1955
	Descend 110 ft. over a broken SW. slope of small shale ledges.
15.90	Wash, 12 lks. wide, 2 ft. deep, drains S. 40° E. from N. 30° W.; ascend 115 ft. over a broken SE. slope.
21.70	Top of ascent; descend 20 ft. over a gradual SW. slope.
28.10	Canyon Wash, 20 lks. wide, 80 ft. nearly vertical walls, drains S. 20° E. from N. 20° W. Ascend 20 ft. over a SE. slope.
39.42	Point for the witness ¼ sec. cor. of secs. 2 and 35.

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North Boundary, Township 27 South, Range 8 East

chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid shale rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., WC ¼ S35 / S2 1955
39.60	East Rim of canyon, bears N. and S.; descend 400 ft. over broken SW to W. slope of steep shale slopes and vertical sandstone cliffs.
40.00	True point for the ¼ cor. of secs. 2 and 35 falls on inaccessible slopes.
43.70	Wash, 60 lks. wide, drains S. from N.; ascend 410 ft. over an E. to SE. slope of sandstone cliffs and steep shale slopes.
50.20	West rim of canyon, bears N. 15° E. and S. 15° W.; continue across a general S. slope.
66.78	East rim of canyon, bears S. 20° E. and N. 20° W.; descend 180 ft. over a SW. slope of steep slopes and ledges of shale rock.
71.60	Wash, 40 lks. wide, drains S. 20° E. from N. 20° W.; ascend 185 ft. over a NE. to E. slope.
79.43	West rim of canyon bears N. and S. across a SE. to S. slope to cor.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam, 20 ins. in the ground and in a collar of stone, with brass cap mkd., T26S R8E S34 | S35 S3 | S2 T27S 1955
	Raise a mound of stone, 3 ft. base, 18 ins. high, W. of cor.
	Land, general S. slope, cut by many deep canyons. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	S. 89° 57' W., between secs. 3 and 34.
	Across a general S. slope of the Moroni Dome.
21.65	Canyon Wash, 30 lks. wide, 40 ft. nearly vertical shale walls, drains S. 20° E. from N. 30° W.; continue across a S. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to solid shale rock and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S34 / S2 1955
40.75	East rim of canyon; bears N. and S.; descend 240 ft. over nearly vertical walls.
44.80	Wash, 30 lks. wide, drains S. 10° E. from N. 10° W.; ascend 240 ft. over a series of cliffs and steep E. slopes.

North Boundary, Township 27 South, Range 8 East.

chains	
46.65	West rim of canyon, bears S. 10° E. and N. 10° W; descend 20 ft. over a S. to SW. slope.
57.74	East rim of canyon, bears N. and S.; descend 320 ft. over a general W. slope of steep shale slopes and sandstone cliffs.
62.13	Wash, 60 lks. wide, drains generally S. from N.; ascend 300 ft. over a broken steep E. slope.
71.70	West rim of canyon, bears N. and S.; ascend 30 ft. over a SE. to S. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	T26SR8E S33 | S34 S4 | S3 T27S 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, W. of cor.
	Land, plateau cut by many deep canyons. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	S. 89° 57' W., between secs. 4 and 33.
	Across a general S. slope of the Moroni Come.
9.94	Canyon Wash, 20 lks. wide, 50 ft. almost vertical shale rock walls; drains S. 20° E. from N. 20° W.; continue across a S. slope.
29.05	Canyon Wash, 20 lks. wide, 40 ft. vertical walls, drains S. 30° W. from N. 30° E.; ascend 25 ft. over a SW. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground and in a collar of stone, with brass cap mkd.,
	¼ S33/S4 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Ascend 30 ft. over a broken SE. slope.
41.20	Top of ascent; descend 50 ft. over a gradual SW. slope.
62.10	East rim of canyon, bears N. and S.; descend 400 ft. over a broken W. slope of steep shale slopes and ledges and sandstone cliffs.
71.08	Wash, 80 lks. wide, drains S. from N.; ascend 400 ft. over a series of cliffs, ledges and steep shale rock slopes.
80.00	True point for the cor. of secs. 4, 5, 32 and 33, falls on steep, inaccessible shale slope.
	Land, general S. sloping anticline cut by many deep gorges. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.

North Boundary, Township 27 South, Range 8 East.

chains	
	S. 89° 57' W., between secs. 5 and 32.
	Across the S. slope of the Moroni Dome.
0.45	West rim of canyon, bears N. and S.
0.80	Point for the witness cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid shale rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T26SR8E S32 | S33 → WC S5 | S4 T27S 1955
	Continue across a S. slope.
40.00	Point for the ¼ sec. cor. of sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid shale rock, and in a collar of stone, with brass cap mkd.,
	¼ S32 S5 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, N. of cor.
44.85	Canyon Wash, 50 lks. wide, 80 ft. nearly vertical shale rock walls; drains S. from N.; continue across a S. slope.
52.60	Canyon Wash, 40 lks. wide, 110 ft. nearly vertical walls of shale and sandstone cliffs at bottom of gorge; drains S. 20° E. from 20° W.; across a S. slope.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid shale rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T26SR8E S31 | S32 S6 | S5 T27S 1955
	Land, A general S. slope cut by deep canyons. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	S. 89° 57' W., between secs. 6 and 31.
	Across the S. slope of the Moroni Dome.
15.64	Canyon Wash, 30 lks. wide, 40 ft. deep, nearly vertical shale walls, drains S. from N.; continue across a S. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,

chains	
	$\frac{S31}{\frac{1}{4}\ S6}$ 1955
	Continue across a general S. slope.
56.20	East rim of canyon, bears N. and S.; descend 415 ft. over a series of vertical cliffs of shale and sandstone varying from 10 to 200 ft. high.
61.40	Wash, 60 lks. wide, drains S. from N.; ascend 420 ft. over a series of inaccessible cliffs of shale and sandstone.
67.93	West rim of canyon, bears N. and S.; continue across a rolling S. slope to cor.
82.32	The cor. of Tps. 26 and 27 S., Rs. 7 and 8 E.
	Land, geneal S. slope cut by many deep canyons. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	Portions of the Subdivision
	From the true point for the cor. of secs. 1, 2, 35 and 36, on the South boundary of the township.
	N. 0° 01' W., between secs. 35 and 36.
	Over broken rocky terrain.
0.15	The witness cor. of secs. 1, 2, 35 and 36, monumented by an iron post, 2½ ins. diam., extending 18 ins. above the ground, and in a mound of stone, set, mkd., and witnessed as described in the official record.
	Decend 45 ft. over a N. slope of red clay hill.
3.65	Wash, 30 lks. wide, 4 ft. deep, drains S. 20° E. from N. 30° W.
7.21	Base of slope; ascend 130 ft. over a rocky SW. to S. slope.
10.72	Top of bench; continue across rolling clay knolls and hills.
36.50	Wash, 30 lks. wide, 5 ft. deep, drains S. 30° E. from N. 30° W.; continue over rolling terrain.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	$\frac{1}{4}$ S35 | S36 1955
	Raise a mound of stone, 2½ ft. high, 24 ins. high, W. of cor.
	Ascend 145 ft. over a general SW. slope of rolling clay hills.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,

chains	
	T27SR8E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, rolling hills. Soil, clay. Timber, none. Undergrowth, shadscale and greasewood.
	From the cor. of secs. 25 and 36 only, on the East boundary of the Township, monumented by a 2½ in. iron post, extending 15 ins. above surfac of ground and in a mound of stone, set, mkd., and witnessed as described in the official record.
	N. 89° 56' W., between secs. 25 and 36.
	Across partially broken, rocky terrain of exposed sandstone bedrock.
14.75	Descend 155 ft. over a series of broken sandstone ledges and ridges which bear in a general N. 30° W. and S. 30° E. direction.
40.05	Point for the ¼ sec. cor. of sec. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., in the ground to solid rock, and in a collar of stone, with brass cap mkd., ¼ S25 S36 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, N. of cor.
	Continue descent of 120 ft. over a west slope of red and white clay.
53.74	Base of descent; continue across rolling terrain.
63.01	Wash, 30 lks. wide, 4 ft. deep, drains S. from N.; ascend 20 ft. over an E. slope of rolling clay hills to cor.
80.10	The cor. of secs. 25, 26, 35 and 26.
	Land, partially broken and rocky E. portion, rolling W. portion. Soil, rocky and sandstone bedrock E. and clay W. portion. Timber, none. Undergrowth, shadscale, rabbit brush and some range grass.
	From the cor. of secs. 3, 4, 33 and 34, monumented by a 2½ ins. iron post, setting flush with the surface of the ground, set, mkd., and witnessed as described in the official record.
	N. 0° 02' W., between secs. 33 and 34.
	Across the top and along the top of a range of red clay hills.
16.50	Descend 145 ft. over a NE. slope.
25.35	Small wash, 70 lks. wide, 1 ft. deep, drains S. 40° E. from N. 40° W
26.99	Ascend 160 ft. over SE. slope of red clay hill.
33.06	Top of hill, long axis bears E. and W.; descend 155 ft. over a N. slope to cor.

chains	
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S33 | S34 1955
42.50	Wash, 50 lks. wide, 12 ft. deep, drains S. 40° W. from N. 30° E.; ascend 260 ft. over a S. slope of red clay hill.
51.60	Top of hill, descend 165 ft. over a NW. slope.
63.52	Wash, 20 lks. wide, 3 ft. deep, drains generally W. from E.; ascend 15 ft. over a gradual S. slope.
72.42	Descend 60 ft. over a NW. slope, partially broken with small sandstone ledges, to cor.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	T27SR8E S28 | S27 S33 | S34 1955
	Land, rolling to partially broken. Soil, clay and sandy clay. Timber, scattered juniper trees. Undergrowth, rabbit brush and sparce range grass.
	N. 0° 02' W., between secs. 27 and 28.
	Over partially broken terrain; ascend 90 ft. over a S. slope of broken sandstone ridges and small ledges.
14.22	Top of ascent; descend 30 ft. over a gradual broken N. slope.
31.22	Base of descent; ascend 40 ft. over a rocky SW. to S. slope.
36.19	Top of ascent; continue across rocky terrain to cor.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S28 | S27 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue across rocky, partially broken terrain of sandstone outcroppings and bedrock.
52.20	Wash, 30 lks. wide, 30 ft. walls cut into bedrock, drains S. 70° W. from E. Ascend 35 ft. over a rocky, broken SW. slope.

chains	
77.20	Top of sandstone ridge, bears E. and W. Descend 20 ft. over a broken N. slope to cor.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	T27SR8E S21 | S22 S28 | S27 1955
	Land, broken. Soil, sand and sandstone bedrock. Timber, scattered juniper and pinons. Undergrowth, sadscale, rabbit brush and sparce range grass.
	N. 0° 02' W., between secs. 21 and 22.
	Over broken terrain; ascend 60 ft. over a SW. slope of shale and sandstone ledges.
11.83	Top of ascent; descend 10 ft. over a gradual N. slope.
13.13	Top of cliff, bears E. and W. Descend 170 ft. over face of cliff onto flat with rolling clay hills.
30.10	Wash, 20 lks. wide, 4 ft. deep, drains W. from E.; ascend 20 ft. over rolling terrain.
40.00	Point for the ¼ cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	¼ S21 | S22 1955
	Ascend 60 ft. over a steep S. slope.
42.06	Top of clay hill; descend 55 ft. over a N. slope.
49.92	Base of descent; ascend 35 ft. over a S. slope.
50.45	Top of clay hill; descend 40 ft. over a N. slope to wash.
56.75	Wash, 40 lks. wide, 4 ft. deep, drains S. 40° W. from N. 30° E.; continue across small flat.
65.34	Wash, 30 lks. wide, 4 ft. deep, drains S. 30° W. from N. 20° E. Ascend 20 ft. over a rolling SW. slope.
78.94	Point for the witness cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	WC T27SR8E S16 | S15 S21 | S22 1955

Witness of the Subdivision, T. 27 S., R. 8 E.

Chains	
40.17	Raise a mound of stone, 3½ ft. base, 28 ins. high, W. of cor.
80.00	Stone point for the cor. of secs. 15, 16, 21 and 22; falls in wash, 20 ins. wide, 5 ft. deep, drains S. 10° W. from N. 10° E.
	Land, rolling to broken. Soil, sand to clay. Timber, sparse pinon and juniper trees. Undergrowth, rabbit brush, shadscale, and range grass.

N. 0° 02' W., between secs. 15 and 16.

Over rolling, partially broken terrain. Ascend 30 ft. over a series of small sandstone ledges and ridges.

9.10 Top of sandstone ridge, bears N. 65° W. and S. 75° E. Descend 10 ft. over broken sandstone bedrock.

17.50 Ascend 20 ft. over a broken SW. slope.

25.63 Top of ascent; continue across rolling, partially broken terrain.

29.33 Wash, 30 ins. wide, 3 ft. deep, drains S. 30° W. from N. 30° E. Continue across rolling terrain.

40.00 Point for the cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

S16 | S15

1955

Raise a mound of stone, 3 ft. base, 3[illegible] ins. high, W. of cor.

Ascend 55 ft. over a steep S. slope.

42.87 Top of clay hill; descend 35 ft. over a N. slope onto small flat.

50.85 End of flat; ascend 60 ft. over rolling clay hills.

72.54 Top of cliffs, bears generally E. and W. Descend 570 ft. over vertical face and talus slope of brown cliff.

77.69 Base of talus slope of cliff; continue descent of 20 ft. over rolling terrain of a N. slope.

80.00 Point for the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,

T27S R8E

S9 | S10

S16 | S15

1955

Land, rolling and broken.
Soil, red clay.
Timber, none.
Undergrowth, shadscale and rabbit brush.

chains	
	N. 0° 02' W., between secs. 9 and 10.
	Over nearly level bottom lands, Descend 80 ft. over gradual N. sandy slope, through moderate growth of desert sage.
21.17	Salvation Wash, 250 lks. wide, 12 ft. deep, drains E. from W. Ascend 45 ft. over a general SE. slope of the Moroni Dome.
40.00	Point for the ¼ cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to shale rock, and in a collar of stone, with brass cap mkd.,
	¼ S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.
	Ascend 120 ft. over a general S. slope of flat shale of the Moroni Dome to cor.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid shale rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	T27SR8E S4 | S3 S9 | S10 1955
	Land, bottom land to continuous S. slope. Soil, sand and shale. Timber, none. Undergrowth, desert sage, tamerisk in wash, shadscale on slope.
	N. 0° 04' E., between secs. 3 and 4.
	Ascend 35 ft. over a general SW. slope of the Moroni Dome.
10.08	Wash, 40 lks. wide, course SW., asc. 130 ft. nearly vertical canyon wall of sandstone and shale rock; continue ascent of 160 ft. over a S. slope to cor.
39.18	Point for the witness ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid shale rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	WC ¼ S4 | S3 1955
40.00	True point for the ¼ sec. cor. of secs. 3 and 4, falls in a canyon wash, 20 lks. wide, 100 ft. vertical walls, drains S. 10° E. from N. 10° W. on a very meandering course. Continue ascent of 80 ft. over a S. slope.

Portions of the Subdivision, T. 27 S., R. 8 E.

chains	
60.77	Canyon Wash, 50 lks. wide, 190 ft. nearly vertical walls of shale and sandstone cliffs, drains S. 20° E. from N. 20° W.; continue ascent of 80 ft. over a S. slope of the Moroni Dome.
80.23	The cor. of secs. 3, 4, 33, and 34, on the N. boundary of the Township.
	Land, flat S. slope cut by deep canyon washes. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the true point for the cor. of secs. 1, 2, 35 and 36, on the N. boundary of the township.
	S. 0° 01' E., between secs. 1 and 2.
	Over a general S. slope of the Moroni Dome; descend 110 ft. over a S. slope.
8.12	Northeast Rim of canyon, bears S. 20° E. and N. 20° W. Descend 90 ft. over a steep SW. shale slope and sandstone ledges.
13.12	Wash, 30 lks. wide, drains S. 10° E. from N. 20° W.; ascend 85 ft. over sandstone ledges and a steep NE. to N. shale slope.
18.72	Broken SW. rim of canyon; descend 135 ft. over a general S. slope to cor.
40.26	Point for the ¼ sec. cor. of secs. 1. and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S2 | S1 1955
	Continue descent of 190 ft. over a constant flat S. slope of the Moroni Dome.
80.26	True point for the cor. of secs. 1, 2, 11 and 12, falls in canyon wash, 30 lks. wide, 60 ft. nearly vertical wall, drains S. 20° E. from N. 20° W.
	Land, flat constant S. slope cut by deep washes. Soil, shale. Timber, none. Undergrowth, shadscale and rabbit brush.
	From the cor. of secs. 2, 3, 34 and 35, on the North Boundary of the township. S. 0° 01' E., between secs. 2 and 3. Descend 210 ft. over a flat general S. slope of the Moroni Dome.
40.24	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S3 | S2 1955

chains

Continue descent of 30 ft. over a S. slope.

47.08 Canyon Wash, 30 lks. wide, 100 ft. nearly vertical walls, drains S. 30° E. from N. 30° W. Descent 220 ft. over a rolling S. slope.

80.24 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,

T27SR8E

S3 | S2
S10 | S11

1955

Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor.

Land, A S. Slope cut with deep canyon washes.
Soil, shale.
Timber, none.
Undergrowth, shadscale and rabbit brush.

N. 89° 58' E., between secs. 2 and 11.

Across a S. slope of the Moroni Dome.

31.10 Canyon Wash, 30 lks. wide, 60 ft. nearly vertical walls, drains S. 20° E. from N. 20° W. Continue across a rolling general S. slope.

39.97 Point for the ¼ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,

¼ S2 / S11

1955

Continue across a rolling S. slope.

54.63 Canyon Wash, 30 lks. wide, 50 ft. nearly vertical walls, drains S. 10° E. from N. 20° W.

64.73 Canyon Wash, 40 lks. wide, 80 ft. vertical walls, drains S. from N.

79.40 Point for the witness cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone, with brass cap mkd.,

T27SR8E

S2 | S1 → WC
S11 | S12

1955

Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.

79.94 True point for the cor. of secs. 1, 2, 11 and 12 falls in wash, 30 lks. wide, 66 ft. nearly vertical walls, drains S. 20° E. from N. 20° W.

Land, general S. slope cut by many deep canyon washes.
Soil, shale.
Timber, none.
Undergrowth, shadscale and greasewood.

chains	
	From the true point for the cor. of secs. 15, 16, 21 and 22.
	West, between secs. 16 and 21.
	Over rolling to partially broken terrain. Ascend 20 ft. over an E. slope.
4.13	Top of clay hill; descend 20 ft. over W. slope.
12.13	Base of descent; ascend 15 ft. over a gradual E. slope.
21.93	Base of steep slope; ascend 140 ft. over a steep SE. slope of brown clay.
28.77	Base of broken sandstone ledges; ascend 120 ft. over a series of sandstone ledges and broken ridges, which bear generally N. and S.
29.58	Top of ascent; continue across flat bench terrain.
33.38	Descend 105 ft. over a broken rocky W. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	¼ S16/S21 1955
	Descend 20 ft. over a rolling SW. slope of clay knolls.
48.70	Wash, 40 lks. wide, 8 ft. deep, drains S. 10° W. from N. 10° E.
52.79	Ascend 110 ft. over a rocky SE. slope.
58.80	Top of hill; descend 85 ft. over a broken SW. slope to wash.
65.27	Wash, 30 lks. wide, 4 ft. deep, drains S. 30° E. from N. 30° W.; Ascend 160 ft. over a very steep broken rocky SE. slope.
73.20	Top of ascent; descend 15 ft. over a gradual SW. slope to cor.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 21 ins. in the ground, with brass cap mkd.,
	T27SR8E S17|S16 S20|S21 1955
	Raise a mound of stone, 2½ ft. base, 19 ins. high, W. of cor.
	Land, rolling and broken. Soil, clay, sand and rocky. Timber, scattered pinon and juniper. Undergrowth, rabbit brush and range grass.
	N. 0° 03' W., between secs. 16 and 17.
	Over rolling, partially broken terrain. Ascend 40 ft. over a gradual SW. slope.
20.64	Top of ascent; descend 60 ft. over a N. slope of rolling terrain and broken ridges of sandstone outcroppings.

chains	
40.00	Point for the ¼ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd., ¼ S17 | S16 1955 Raise a mound of stone, 2½ ft. base, 30 ins. high, W. of cor. Descend 25 ft. over a N. slope.
43.40	Wash, 20 lks. wide, 6 ft. deep, drains W. 3 chs. then S. 40° W. from N. 20° E. Ascend 20 ft. over a gradual SW. slope.
59.25	Top of cliff, bears N. 60° E. and S. 75° W. Descend 520 ft. over vertical face of brown cliff and steep rocky N. talus slope.
73.11	Base of talus slope of cliff; descend 20 ft. over a rolling N. slope to cor.
80.00	Point for the cor. of secs. 8, 9, 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd., T27SR8E S8 | S9 S17 | S16 1955 Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor. Land, rolling to broken. Soil, rocky, sandy and clay. Timber, scattered juniper and pinon trees. Undergrowth, desert sage, rabbit brush and range grass.
	From the cor. of secs. 9, 10, 15 and 16. S. 89° 56' W., between secs. 9 and 16. Over rolling terrain, broken by a high, brown cliff; ascend 20 ft. over a NE. slope.
3.10	Top of spur, projects N. 3 chs. Descend 25 ft. over a NW. slope.
7.26	Wash, 20 lks. wide, 4 ft. deep, drains N. from S. Ascend 30 ft. over a NE. slope.
11.10	Spur ridge, bears S. and N. and thence projects N. 3 chs. to bottom land; descend 20 ft. over a rolling W. slope.
18.90	Wash, 15 lks. wide, 3 ft. deep, drains N. to Salvation Wash. Ascend 770 ft. over a W. to NW. steep talus slope.
24.65	Base of brown cliffs; ascend 350 ft. over vertical face of cliff.
31.10	Top of cliff, bears S. 60° E. and N. 85° W.; continue along broken edge of cliff.
40.05	Point for the ¼ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,

chains	
	$\frac{1}{4}$ $\frac{S9}{S16}$ 1955
	Continue along broken edge of cliff.
42.57	Top of cliff, bears N. 75° E. and S. 70° W.; descend 380 ft. over face of cliff.
48.12	Base of cliff; continue across a steep, broken N. talus slope.
56.60	Base of cliff; ascend 340 ft. over face of brown cliff.
60.20	Top of cliff, bears N. 70° W. and S. 70° E.; across rolling, partially broken hills and small ledges.
70.05	Top of cliff, bears N. 60° E. and S. 60° W. Descend 540 ft. over face of cliff and steep NW. talus slope to cor.
80.10	The cor. of secs. 8, 9, 16 and 17.
	Land, broken. Soil, clay. Timber, none. Undergrowth, rabbit-brush, desert sage and range grass.
	From the cor. of secs. 4, 5, 32 and 33, on the S. boundary of the township.
	N. 0° 03' W., between secs. 32 and 33.
	Over rolling, partially broken terrain; ascend 50 ft. over a SW. slope.
11.68	Top of ascent; descend 30 ft. over a NW. slope to wash.
23.27	Wash, 20 lks. wide, 3 ft. deep, drains S. 20° W. from N. 20° E. Ascend 30 ft. over a general S. slope of rolling clay hills.
27.36	Descend 45 ft. over a N. slope of a series of small broken sandstone ledges.
36.37	Wash, 40 lks. wide, 3 ft. deep, drains W. 1 chs. to intersection with wash which drains S. 40° W. Ascend 50 ft. over a broken SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	$\frac{1}{4}$ S32 | S33 1955
	Continue ascent of 75 ft. over a broken S. slope of sandstone ridges and small ledges.
65.18	Ascend 225 ft. over a steep SW. slope of red clay hill.
80.00	Point for the cor. of secs. 28, 29, 32 and 33, falls 20 ft. below crest of clay hill.

chains	
	T27SR8E S29 | S28 S32 | S33 1955
	Land, rolling to broken. Soil, sand, clay, and exposed bedrock. Timber, sparcely scattered pinon and juniper. Undergrowth, sparce rabbit brush and range grass.
	From the cor. of secs. 5, 6, 31 and 32, on the S. boundary of the township.
	N. 0° 03' W., between secs. 31 and 32.
	Over rolling, partially broken terrain. Ascend 25 ft. over SE. slope of rocky hill.
2.24	Top of hill, continue across level top.
3.33	Descend 60 ft. over a N. slope to wash.
5.00	Wash, drains E.
20.87	Caineville Wash, 40 lks. wide, 5 ft. deep, drains S. 60° E. from N. 70° W.; across wash bottom.
21.00	Caineville—Emery unimproved road, bears S. 40° E. and N. 50° W.; ascend 15 ft. over a rolling general SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd., ¼ S31 | S32 1955 Raise a mound of stone, 2½ ft. base, 18 ins. high, W. of cor.
	Continue across a small flat.
48.00	Ascend 85 ft. over a SE. clay slope.
52.61	Top of red clay hill; descend 75 ft. over a NE. slope.
56.81	Base of descent; continue across level terrain.
64.53	Ascend 80 ft. over a S. slope.
67.10	Top of clay hill; descend 75 ft. over a N. slope.
73.94	Change of descent; descend 75 ft. over a gradual N. slope of broken sandstone ridges.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd., T27SR8E S30 | S29 S31 | S32 1955

Portions of the Subdivisions, T. 27 S., R. 8 E.

chains	
	Land, rolling hill terrain. Soil, clay. Timber, scattered juniper and pinon trees. Undergrowth, rabbit brush, shadscale and range grass.
	From the cor. of secs. 28, 29, 32 and 33.
	West, between secs. 29 and 32.
	Over rolling mountainous terrain; descend 55 ft. over a rocky SW. slope.
7.62	Change of slope; descend 5 ft. over a S. slope on bench.
9.13	Descend 130 ft. over a steep W. slope of loose blue clay.
13.18	Base of blue clay hills; descend 40 ft. over a rolling SW. slope.
17.65	Wash, 20 lks. wide, 4 ft. deep, drains S. 20° W. from N. 20° E. Ascend 40 ft. over a rolling, partially broken, SE. slope.
40.01	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd., $\frac{1}{4}$ S29/S32 1955
	Descend 20 ft. over broken W. slope of sandstone ridges and small ledges.
48.73	Wash, 30 lks. wide, 4 ft. deep, drains S. 60° W. from N. 60° E.; continue across broken terrain of exposed bedrock.
60.66	Wash, 25 lks. wide, 3 ft. deep, drains S. 20° E. from N. 20° W. Ascend across flat.
80.02	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling to partially broken. soil, clay. Timber, scattered pinon and juniper trees. Undergrowth, shadscale, and sparce range grass.

General Description

Township 27 South, Range 8 East is divided into two distinct areas of topographic relief and geologic structure. This division is defined by a 500 ft. high, brown shale cliff, which enters the township on the west boundary of sec. 7, bears almost due west, and crosses the east boundary of sec. 13. The largest portion of the township is south of the brown cliffs and consists chiefly of large areas of exposed white sandstone bedrock and overlying red clay hills. That portion of the township north of the cliffs is a general south slope of a soft shale dome which is cut by many deep canyon washes.

The largest wash draining the township is Salvation Wash, which crosses the township at the base of, and parallel to, the brown cliffs. This wash is fed by a number of large tributaries, the most notable being, Last Chance Wash and Middle Desert Wash. Together with its tributaries, this system drains an enormous

watershed and empties into the Muddy River, approximately four miles northeast of the point where the wash leaves the east boundary of the township. The south portion of the township is drained in a general southeasterly direction by a series of washes. These washes eventualy empty into the Freemount River, about eight miles south of the township.

The soil of the township is a sandy clay in the south, and a shale in the north. Both types of soil support only a fair growth of range grass, rabbit brush and greasewood. Pinon and juniper trees are sparcely scattered throughout the south portion of the township. There was no perennial source of ground water found during the course of this survey.

Access to the township is gained by the Caineville—Emery dirt road. This unimproved road enters the township on the south boundary of sec. 32, runs northwest and leaves on the west boundary of sec. 30. Easy access can be made to the north portion of the township by traveling down the Salvation Wash.

Numerous uranium mining locations were staked in every section of this township. Otherwise, no evidence of any mineral was found during the progress of this survey.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Walter E. Furen	Chainman
Lowell Q. Hermansen	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

16—83565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 15th day of April, 1955, I have surveyed the north, west, and a portion of the south boundaries and portions of the subdivision, T. 28 S., R. 7 E.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed by me and under my direction; and th said survey has been made in strict conformity with said instructions, the Manual of Instructions for Survey of the Public Lands of the United States, and in the specific manner described in the foregoi field notes.

March 12, 1956
Salt Lake City, Utah

Kenneth F. Hansen
Kenneth F. Hansen
Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1956, *19*

The foregoing field notes of the survey of the north, west, and a portion of the south boundaries and portions of the subdivision, T. 28 S., R. 7 E., S.L. Meridian, Ute executed by Kenneth F. Hansen, Cartographer-Cadastral. having been critically examined and found correct, are hereby approved.

Karl G. Harrington
~~*Chief, Division of Cadastral Engineering.*~~
Cadastral Engineering Staff Offi

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—53865-2

Orig.

210

(April 1933)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE

A

FIELD NOTES

DEPENDENT RESURVEY OF THE EAST THREE MILES OF THE SOUTH BOUNDARY;
SURVEY OF THE NORTH, EAST, AND WEST, BOUNDARIES, AND SUBDIVISION;
AND SUBDIVISION SURVEY OF SECTION 10, T. 27 S., R. 9 E.

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Under special instructions dated September 23, *19* 39, *which provided for the surveys included under Group No.* 311, *bearing the approval of the Commissioner of the General Land Office under date of* November 3, 1939 *and assignment instructions dated* May 9, *19*40.

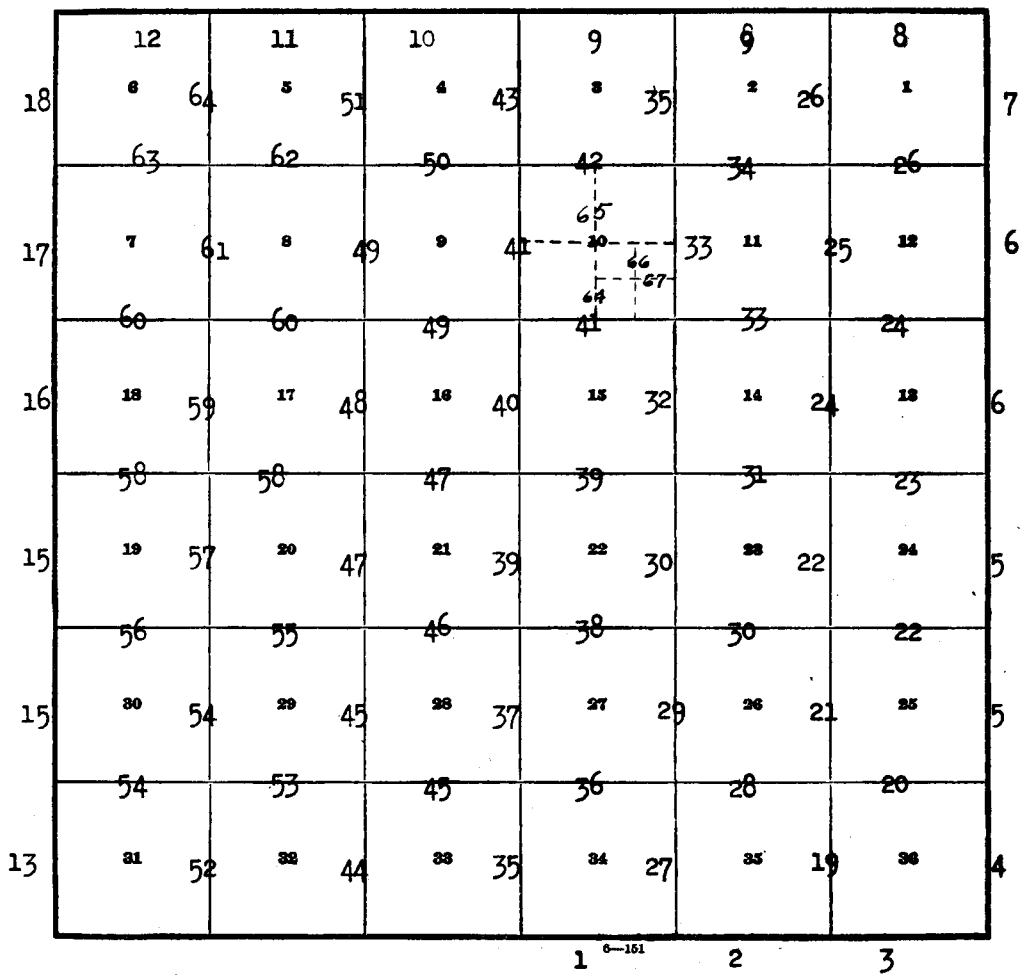
Survey commenced May 18, *19*40.

Survey completed June 30, *19*40.

U. S. GOVERNMENT PRINTING OFFICE 6—151

INDEX DIAGRAM.

Township 27 South, *Range* 9 East



1369

T. 27 S., R. 9 E.

Chains

The survey of T. 27 S., R. 9 E., Salt Lake Meridian, Utah, was commenced May 18, 1940, and executed by Elliot Bird, Cadastral Engineer, using Buff and Buff transit No. 18003. The instrument is the property of the General Land Office, and is equipped with Smith solar attachment and full vertical circle. The horizontal limb is provided with two double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was approved for use on this survey, conditional upon satisfactory field tests, by the district cadastral engineer for Utah, in assignment instructions for the survey of Group No. 311, Utah, dated May 9, 1940.

The solar attachment was not used on this township, and all controlling meridians were established by hour angle observations made upon Polaris, some of which are shown in this record. The bearings of the lines were deflected from these true meridians by the repetition of angles, and carried forward by transit lines, taking the mean of direct and reversed sights.

The latitude and longitude used at the stations where observations were made, were computed from the Coast and Geodetic Survey, triangulation station "Mount Ellen."

The measurements are made with Lallie steel ribbon tapes, 5 chains in length, which were graduated every link for the first 100 links and thereafter at intervals of 10 links. The tapes were tested by comparison with a Lufkin standard steel tape, 1 chain in length and found correct. The measurements were made on the slope, the vertical angle of each interval was ascertained by clinometers in good adjustment, and the slope measurements properly reduced to true horizontal distances, which are entered in the field note record.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 27 S., R. 9 E.

Reestablishment of surveys executed by A. D. Ferron,
U. S. Deputy Surveyor, in 1883.

May 18, 1940; stationed at the cor. of secs. 3, 4, 33, and 34, on the S. boundary of T. 27 S., R. 9 E., hereinafter described, in approximate latitude 38° 25' N., longitude 110° 56' W., at 2h 00.5m p.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a ledge about 60 chains north, in a westerly direction to the star.

Local mean time of observation.	1h 36.8m p.m.
Mean horizontal deflection angle.	
from point on ledge to star	1° 05' West.
Azimuth of Polaris.	1° 05' West.
True bearing to point on ledge.	North.

The cor. of secs. 3, 4, 33, and 34, is an iron post, 2 ins. diam., set, marked, and witnessed as described in the official record of the survey of T. 28 S., R. 9 E., Group No. 226, Utah.

Thence, from the above cor.

S. 89° 42' E., bet. secs. 3 and 34.

Over broken shale and clay hills, through scattered short undergrowth.

4.30 Draw near head, 50 ft. deep, drains N. 30° E.

14.00 Clay spur, 50 ft. high, projects N. 80° E.; thence over rolling clay hills.

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
40.22	The ¼ sec. cor. secs. 3 and 34, a sandstone, 16 x 10 x 10 ins., firmly set, marked ¼ on W. face. Cor. has no accessories. At the cor. point: Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for ¼ sec. cor. secs. 3 and 34, with brass cap marked ¼ S34 / S3 1940 No other suitable accessories available. Continue on same line with continuous measurement.
41.20	Shallow draw, drains NE.
51.20	Shallow draw, drains N. 80° E.
80.25	The cor. of secs. 2, 3, 34, and 35, a sandstone, 18 x 12 x 6 ins., firmly set in the ground, marked 2 notches on E. edge and 4 notches on W. edge. Cor. has no accessories. At the cor. point: Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for the cor. of secs. 2, 3, 34, and 35, with brass cap marked T27S R9E S34 | S35 S3 | S2 T28S 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken and rolling shale and clay hills, with a general northerl exposure and drainage. Soil, shallow and deep clay and sand, mixed with rock; 4th rate. Undergrowth, very scattered short shadscale, and weeds. No timber. Poor grazing land.
	S. 89° 45' E., bet. secs. 2 and 35.
6.50	Shallow draw, drains NE. Over rolling shale and clay hills, through very scattered short undergrowth.
20.00	Bend in large shallow draw, drains N. 60° E. from NW.
27.70	Bottom of same draw, drains S.
38.00	Low clay spur, projects S. 20° W.
40.09	The ¼ sec. cor. secs. 2 and 35, a sandstone, 10 x 8 x 8 ins., above ground, firmly set, marked ¼ on W. face. Cor. has no accessories. At the cor. point: Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for ¼ sec. cor. secs. 2 and 35, with brass cap marked

DEPENDENT RESURVEY PORTION SOUTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
	$\frac{1/4\ S35}{S2}$ 1940
	No other accessories available.
	Thence:
	S. 89° 48' E., with continuous measurement.
47.00	Low clay spur, projects S. 20° E.
55.00	Shallow draw, drains S. 20° E.
79.30	Shallow draw, drains S. 10° E.
80.13	The cor. of secs. 1, 2, 35, and 36, a sandstone, 12 x 10 x 10 ins. above ground, firmly set, marked 1 notch on S. edge and 5 notches on W. edge. Cor. is set on rim of shale spur which projects S. 20° E., and has no accessories.
	At the cor. point:
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for cor. of secs. 1, 2, 35, and 36, with brass cap marked
	T27S R9E S35 | S36 S2 | S1 T28S 1940
	No other accessories available.
	Land, rolling blue clay and shale hills. Soil, deep blue clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 55' E., bet. secs. 1 and 36.
	Over rolling blue clay hills, through very scattered short undergrowth.
8.00	Shallow draw, drains S.
17.40	Low clay spur, projects S.
34.80	Shallow draw, drains SW.
40.14	The 1/4 sec. cor. secs. 1 and 36, a sandstone, 18 x 12 x 3 ins., firmly set, marked 1/4 on W. face. Cor. has no accessories.
	At the cor. point:
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with the original cor. monument deposited at the base of the post, for 1/4 sec. cor. secs. 1 and 36, with brass cap marked.
	$\frac{1/4\ S36}{S1}$ 1940
	No other suitable accessories available.

Chains	
	Thence:
	S. 89° 44' E., with continuous measurement.
48.90	Large shallow draw, drains S. 20° W.
66.60	Graded road, bears N. 30° E. and S. 30° W.
80.18	The cor. of Ts. 27 and 28 S., Rs. 9 and 10 E., an iron post, 3 ins. diam., firmly set, properly marked, and witnessed by a mound of stone to the S. of the cor. monument.
	Land, rolling clay hills and flats. Soil, deep clay and shale; 4th rate. Undergrowth, very short shadscale, and weeds. No timber. Poor grazing land.

SURVEY OF EAST BOUNDARY, T. 27 S., R. 9 E.

Chains	
	From the cor. of Ts. 27 and 28 S., Rs. 9 and 10 E.,
	North, bet. secs. 31 and 36.
	Over nearly level clay flat, through very scattered short undergrowth.
24.30	Graded road, bears N. 20° E. and S. 20° W.
40.00	On nearly level clay flat.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S36 | S31 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
70.00	Recross graded road, bears N. 3° W. and S. 3° E.
80.00	On nearly level land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked T27S R9E | R10E S25 | S30 S36 | S31 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, nearly level clay flat. Soil, deep clay; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

SURVEY ON EAST BOUNDARY, T. 27 S., R. 9 E.

Chains	
	North, bet. secs. 25 and 30.
	Over nearly level land, through very scattered short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼
S25 | S30
1940

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

77.00	Land becomes broken, bears N. and S.
80.00	In small outcropping of coal.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 19, 24, 25, and 30, with brass cap marked

T27S
R9E | R10E
S24 | S19
S25 | S30
1940

raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

Land, nearly level and broken.
Soil, shallow and deep clay; 4th rate.
Undergrowth, short shadscale, weeds, and grass.
No timber.
Poor grazing land.

North, bet. secs. 19 and 24.

Over broken bench land, through very scattered short undergrowth.

40.00	On broken bench land.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked

¼
S24 | S19
1940

deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.

80.00	On broken bench land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 13, 18, 19, and 24, with brass cap marked

T27S
R9E | R10E
S13 | S18
S24 | S19
1940

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

SURVEY OF EAST BOUNDARY, T. 27 S., R. 9 E.

Chains

Land, broken top of bench.
Soil, shallow clay and gravel; 4th rate.
Undergrowth, very scattered short shadscale and weeds.
No timber.
Poor grazing land.

North, bet. secs. 13 and 18.

Over broken bench land, through scattered short undergrowth.

29.00 Head of rocky gulch, 60 ft. deep, drains N. 10° E.; thence along ledgy W. rim of gulch.

40.00 On top of W. rim of gulch.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked

¼
S13 | S18
1940

deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.

57.70 Leave broken top of W. rim of gulch, bears S. and N. 10° W.; descend abruptly over broken ledgy NE. slope.

64.40 Bottom of gulch, 120 ft. below the ¼ sec. cor., drains N. from S. 80° E. thence along general bottom of gulch.

80.00 On E. side of bottom of gulch.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked

T27S
R9E | R10E
S12 | S7
S13 | S18
1940

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling and broken, with a general easterly exposure and drainag
Soil, shallow clay and shale, with a rocky surface; 4th rate.
Undergrowth, short shadscale and weeds.
No timber.
Poor grazing land.

North, bet. secs. 7 and 12.

Along general bottom of gulch draining [illegible] through very scattere short undergrowth.

30.40 Leave bottom of gulch, drains N. 10° E.; ascend abrupt broken SE. slop

40.00 At base of shale ledge, 50 ft. high, bears N. 5° E. and S. 5° W., 60 ft. above bottom of gulch.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

SURVEY OF EAST BOUNDARY, T. 27 S., R. 9 E.

Chains	
	1/4 S22 | S7 1940
	deposit a sandstone, 10 x 10 x 8 ins., marked X, at base of post.
53.00	Top of SW. end of shale butte, 80 ft. above cor., projects NE.; descend abrupt E. slope.
60.40	Bottom of large wide draw, 80 ft. below SW. end of butte, drains E. 6.00 chs. dist. to junction with gulch draining NE.; ascend abrupt W. slope.
76.00	Shale spur, 80 ft. above draw, projects S. 85° E.; descend abruptly.
80.00	On rolling land, 90 ft. below spur.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 1, 6, 7, and 12, with brass cap marked
	T27S R9E | R10E S1 | S6 S12 | S7 1940
	deposit a sandstone, 12 x 10 x 8 ins., marked X, at base of post.
	Land, broken blue shale breaks. Soil, deep blue clay and shale; 4th rate Undergrowth, very scattered shadscale. No timber. Poor grazing land.
	North, bet. secs. 1 and 6.
	Over broken shale breaks through scattered short undergrowth.
7.10	Gulch, drains SE. from the N.; thence along bottom of gulch.
16.30	Leave bottom of gulch, drains S. from N.20° W.; ascend ledgy E. breaks of gulch.
25.20	Top of narrow point on E. rim of gulch, 160 ft. above cor., projects W.; descend abruptly along broken N. face of breaks.
34.80	Bottom of same gulch, 120 ft. below point of rim, drains S. 20° W. from the N.; thence ascend gradually along general bottom of gulch.
40.00	On E. side of bottom of gulch.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for 1/4 sec. cor., with brass cap marked
	1/4 S1 | S6 1940
	deposit a sandstone, 30 x 12 x 6 ins., marked X, at base of post.
53.50	Low saddle in ridge at the head of gulch, 100 ft. above point of entering gulch, bears E. and W.; thence over rolling clay hills void of vegetation.

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SURVEY OF EAST BOUNDARY, T. 27 S., R. 9 E.

Chains

80.00 On rolling clay hills.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for cor. of Ts. 26 and 27 S., Rs. 9 and 10 E., with brass cap marked

T26S
R9E | R10E
S36 | S31
S1 | S6
T27S
1940

deposit a sandstone, 12 x 12 x 10 ins., marked X, at base of post.

Land, broken clay hills and shale rims.
Soil, deep blue clay and shale; 4th rate.
Undergrowth, very scattered short shadscale and weeds.
No timber.
Poor grazing land.

SURVEY OF NORTH BOUNDARY, T. 27 S., R. 9 E.

From the cor. of Ts. 26 and 27 S., Rs. 9 and 10 E.

West, bet. secs. 1 and 36.

Over broken clay hills void of vegetation.

12.60 Base of abrupt ascent over NE. breaks of high bench, bears NE. and SE

20.80 Top of NE. rim of bench, 100 ft. above township cor., bears NW. and SE. From this point, the N. one of two small log cabins in the bottom lands of the Muddy River, bears N. 6° 40' W., about 2 miles distant; thence over broken top of bench land.

37.70 Shallow draw, drains S. 20° W.

40.00 On broken bench land.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked

S 36
¼
S 1
1940

deposit a sandstone, 12 x 10 x 10 ins., marked X, at base of post.

48.70 Shallow draw, drains S. 20° W.

60.00 Shallow draw, drains S. 20° W.

72.50 Shallow draw, drains S.

80.00 On broken bench land.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 1, 2, 35, and 36, with brass cap marked

SURVEY OF NORTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
	T26S R9E S35 | S36 S2 | S1 T27S 1940
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken shale hills and outcroppings of sandstone. Soil, shallow clay and sand with a rocky surface, 4th rate. Undergrowth, shadscale and weeds. No timber. Poor grazing land.
	West, bet. secs. 2 and 35.
	Over broken bench land, through very scattered short undergrowth.
34.40	Shallow draw, drains S.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S35 / S2 1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
51.80	Shallow draw, drains S.
80.00	On gradual W. slope.
	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground, to solid rock and in a large mound of stone to top, for the cor. of secs. 2, 3, 34, and 35, with brass cap marked
	T26S R9E S34 | S35 S3 | S2 T27S 1940
	deposit a sandstone, 12 x 10 x 8 ins., at base of post, marked X. Land, broken, with a general westerly exposure and drainage. Soil, shallow clay and sand with a rocky surface; 4th rate. Undergrowth, very scattered short shadscale and weeds. No timber. Poor grazing land.
	West, bet. secs. 3 and 34.
	Over broken bench land, through very scattered short undergrowth.
1.00	Shallow draw, drains SW.
25.60	Shallow draw, drains S.

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SURVEY OF NORTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
29.70	Dim unimproved wagon road, bears NW. and S.
40.00	On broken SW. slope.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S34 / S3
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
48.00	Shallow draw, drains SE.
55.00	Base of sandstone reef, faces E. and bears N. and S.
72.50	Top of reef facing E. and vertical sandstone ledge, 50 ft. high, faces NW., 120 ft. above the ¼ sec. cor., bears NE. and SW.; descend abruptly.
79.00	Top of nearly vertical shale break, 200 ft. high, faces W. and bears N. 20° E. and S. 20° W.
	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for witness cor. to the cor. of secs. 3, 4, 33, and 34, with brass cap marked
	T26S R9E S33 | S34 WC —— S4 | S3 T27S
	1940
	deposit a sandstone, 12 x 12 x 10 ins., at base of post, marked X.
80.00	True point for the cor. of secs. 3, 4, 33, and 34, falls on inaccessible face of shale break, where it is impossible to reach the cor. po
	Land, broken shale breaks and sandstone outcroppings. Soil, shallow blue clay and shale, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

	West, bet. secs. 4 and 33, counting distances from the true point for the cor. of secs. 3, 4, 33, and 34.
	Over nearly vertical W. face of high shale break.
5.00	Base of break, 200 ft. below top, bears N. 20° E. and S. 20° W.; descend gradually over barren blue clay hills.
20.00	Shallow draw, drains N. 20° W.
35.20	Spur, 110 ft. above draw, projects S., 5.50 chs. dist. to end; descen abrupt W. slope.
40.00	At base of abrupt descent from spur, 120 ft. below top, bears E. and
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

SURVEY OF NORTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
	S33 / S4
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
48.00	Stream of alkali water, 20 lks. wide, 2 ins. deep, in channel of Salt Wash, 5 chains wide, 5 ft. deep, flows N., also mouth of draw from S. 80° W.; thence over rolling bottom lands of Salt Wash.
66.00	Base of abrupt ascent over ledgy E. face of spur, bears NE. and SW.
76.00	Level top of spur, 200 ft. above stream, projects E. from N. 80° W.
77.00	At top of N. rim of deep gulch to the W.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for witness cor. to the cor. of secs. 4, 5, 32, and 33, with brass cap marked
	T26S R9E S32 | S33 WC— S5 | S4 T27S
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Thence over nearly inaccessible S. face of N. breaks of deep gulch.
80.00	True point for the cor. of secs. 4, 5, 32, and 33, falls on steep S. face of ledges, where it is impossible to set a cor.
	Land, broken shale breaks and sandstone ledges. Soil, shallow clay, shale and sand; 4th rate. Undergrowth, very scattered short shadscale and weeds. No timber. Poor grazing land.
	From the true point for the cor. of secs. 4, 5, 32, and 33, which is West, 3.00 chs. dist. from the witness cor. to the cor. of said secs.
	West, bet. secs. 5 and 32.
	Descend abruptly along broken S. face of N. breaks of gulch to the W., through very scattered undergrowth.

Chains	
20.00	Bottom of gulch, 200 ft. below cor. point, drains S. 85° E.; ascend abruptly along N. face of S. breaks of gulch.
40.00	In broken S. breaks of gulch, 210 ft. above bottom.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S32 / S5
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Continue ascent along ledge N. face of S. breaks of gulch.
50.00	Top of S. breaks of gulch, 50 ft. above the ¼ sec. cor., bears N. 80° W. and S. 80° E.; thence over rolling bench land.
79.00	Shallow draw, drains N. 80° E.
80.00	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for cor. of secs. 5, 6, 31, and 32, with brass cap marked
	T26S R9E S31 | S32 S6 | S5 T27S
	1940
	Land, broken sandstone rims and ledges. Soil, shallow sand and clay, with a rocky surface; 4th rate. Undergrowth, scattered short shadscale, and weeds. No timber. Poor grazing land.
	West, bet. secs. 6 and 31.
	Over broken bench land, through very scattered short undergrowth.
21.00	Low rise, bears NW. and SE.
28.50	Large draw, drains S. 20° E.
40.00	On sandstone surface rock, mark a cross (+), over which:

SURVEY OF NORTH BOUNDARY, T. 27 S., R. 9 E.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor., with brass cap marked
	¼ S31/S6
	1940
45.00	Large draw, drains S. 30° E.
57.00	Large draw, 50 ft. deep, drains SE.
73.00	Shallow draw, drains S.
80.00	Head of small draw, drains S. 10° E.
80.95	Intersect a line projected North, 480.27 chs. dist. from the cor. of Ts. 27 and 28 S., R. 8 E., hereinafter described.
	The cor. of Ts. 26 and 27 S., Rs. 8 and 9 E., subsequently set at this point, as shown on page 19 of this record.
	Land, broken and rolling. Soil, shallow sand and clay, with a rocky surface; 4th rate. Undergrowth, very scattered short shadscale and weeds. No timber. Poor grazing land.

SURVEY OF WEST BOUNDARY, T. 27 S., R. 9 E.

June 11, 1940, stationed at the cor. of Ts. 27 and 28 S., R. 8 E., hereinafter described, in approximate latitude 38° 25' N., longitude 111° 00' W., at 1h 32.1m p.m. correct 105 meridian standard time, I make an hour angle observation on Polaris West of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a tree about 10 miles N., in a westerly direction to the star.

Local mean time of observation.....	1h08.1m p.m.
Mean horizontal deflection angle tree to star	1° 15' West.
Azimuth of Polaris	1° 15' West
True bearing to tree.....	North.

The cor. of Ts. 27 and 28 S., R. 8 E., is an iron post, 3 ins. diam., set, marked, and witnessed as described in the official record of the survey of T. 28 S., R. 8 E., Group No. 226, Utah.

Thence, from the above cor.

North, along the E. bdy. of sec. 36, T. 27 S., R. 8 E.

Chains	
	Over broken shale and sandstone breaks, through scattered short undergrowth.
1.70	The closing cor. of Ts. 27 and 28 S., R. 9 E., an iron post, 3 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 28 S., R. 9 E., Group No. 226, Utah.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 36, with brass cap marked ¼ S36 | 1940 deposit a sandstone, 12 x 8 x 6 ins., at base of post, marked X.
41.00	Point which is South, 40.00 chs. dist. from the closing cor. of secs. 30 and 31.
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 31, with brass cap marked | ¼ S31 1940 deposit a sandstone, 10 x 10 x 10 ins., at base of post, marked X.
42.00	Head of draw, drains SW.
53.40	Head of shallow sandstone gulch, drains SW.
58.30	Low spur, projects S. 30° W.; ascend gradual SE. slope.
78.40	Ridge, 50 ft. above spur, bears E. and W.; descend gradual NW. slope.
80.00	On gradual NW. slope, 40 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 25 and 36, with brass cap marked ..... T27S | T27S .... S25 ..... R9E ..... S36 | R9E R8E | S31 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken shale and sandstone breaks. Soil, shallow clay and sand, with a rocky surface; 4th rate. Undergrowth, scattered shadscale, Bigelow tea, and weeds. No timber. Poor grazing land.

SURVEY OF WEST BOUNDARY, T. 27 S., R. 9 E.

Chains	
	North, along the E. bdy. of sec. 25.
	Over broken sandstone and shale breaks, through scattered short undergrowth.
1.00	The closing cor. of secs. 30 and 31, subsequently set at this point.
12.30	Low spur, slopes NW.
28.50	Small draw, drains W.
36.50	Small draw, drains W.
40.00	On broken NW. slope, 150 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 25, with brass cap marked ¼ S25 | 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
41.00	Point midway bet. the closing cors. of secs. 19 and 30, and secs. 30 and 31.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 30, with brass cap marked | ¼ S30 1940 deposit a sandstone, 12 x 8 x 8 ins., at base of post, marked X.
50.00	Low spur, projects NW.; descend broken NE. slope.
70.00	Vertical ledge, 150 ft. high, faces N. and bears E. and W.; descend N. face of ledges.
75.00	Base of ledges, 200 ft. below top, bears E. and W.; thence over broken land.
80.00	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for cor. of secs. 24 and 25, with brass cap marked T27S S24 / S25 R8E | T27S R9E S30 1940
	Land, broken sandstone and shale ledges. Soil, shallow and deep sand and clay; 4th rate. Undergrowth, shadscale, weeds and grass. Timber, a few scattered scrub juniper on central portion of mile. Fair winter grazing land.
	North, along the E. bdy. of sec. 24.
	Over rolling bench land, through scattered short undergrowth.

Chains

1.00 The closing cor. of secs. 19 and 30 subsequently set at this point.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 24, with brass cap marked

¼ S24 |
1940

deposit a sandstone 10 x 10 x 4 ins., at base of post, marked X.

41.01 Point midway bet. the closing cors. of secs. 18 and 19, and secs. 19 and 30.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor. sec. 19, with brass cap marked

| ¼ S19
1940

deposit a sandstone 8 x 6 x 6 ins., at base of post, marked X.

80.00 On sandstone surface rock, mark a cross (+), over which:

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for cor. of secs. 13 and 24, with brass cap marked

T27S | T27S
S13 | R9E
S24 | S19
R8E
1940

Land, rolling.
Soil, shallow and deep loose sand, with outcroppings of sandstone; 4th rate.
Undergrowth, scattered short shadscale, weeds, and grass.
No timber.
Fair winter grazing land.

North, along the E. bdy. of sec. 13.

Over rolling red shale and sand hills, through scattered short undergrowth.

1.02 The closing cor. of secs. 18 and 19 subsequently set at this point.

21.50 Shallow draw, drains SW.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor. sec. 13, with brass cap marked

¼ S13 |
1940

deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.

SURVEY OF WEST BOUNDARY, T. 27 S., R. 9 E.

Chains	
41.02	Point midway bet. the closing cor. of secs. 7 and 18, and secs. 18 and 19.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor. sec. 18, with brass cap marked
	¼ S18 | 1940
	deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked X.
50.80	Shallow draw, drains SW.
55.70	Shallow draw, drains SW.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 12 and 13, with brass cap marked
	T27S S12 / S13 R8E | T27S R9E / S18
	1940
	deposit a sandstone, 12 x 8 x 4 ins., at base of post, marked X.
	Land, rolling.
	Soil, shallow sand and shale; 4th rate.
	Undergrowth, shadscale, weeds, and grass.
	No timber.
	Fair winter grazing land.
	North, along the E. bdy. of sec. 12.
	Over broken shale hills, through very scattered undergrowth.
1.02	The closing cor. of secs. 7 and 18 subsequently set at this point.
13.50	Top of S. rim of breaks of Salt Creek, a vertical sandstone ledge, 200 ft. high, bears E. and W.
16.00	Salt Creek, stream of alkali water, 20 lks. wide, 6 ins. deep, flows E. through a narrow rimmed gorge.
18.50	Top of nearly vertical N. rim of Salt Creek, 200 ft. above stream, bears E. and W.; thence over broken blue shale hills.
40.00	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor. sec. 12, with brass cap marked
	¼ S12 | 1940
41.01	Point midway bet. the closing cors. of secs. 6 and 7, and secs. 7 and 18, mark a cross (+) on the surface rock, over which:
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor. sec. 7, with brass cap marked

SURVEY OF WEST BOUNDARY, T. 27 S., R. 9 E.

Chains	
	¼ S7 1940
51.00	Shallow draw, drains SE.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a large mound of stone to top, for cor. of secs. 1 and 12, with brass cap marked T27S S1 / S12 R8E | T27S R9E S7 1940 deposit a sandstone, 12 x 6 x 6 ins., at base of post, marked X.
	Land, rolling clay hills and breaks of Salt Creek. Soil, shallow and deep blue clay, with a rocky surface; 4th rate. Undergrowth, shadscale and weeds. No timber. Poor grazing land.
	North, along the E. bdy. of sec. 1.
	Over broken shale and clay hills, through scattered short undergrowth.
1.00	The closing cor. of secs. 6 and 7, subsequently set at this point.
14.30	Large shallow draw, drains S. 10° W.
22.10	Recross draw, drains S. 10° E.
35.00	Large draw, drains SE.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., sec. 1, with brass cap marked ¼ S1 1940 deposit a sandstone, 12 x 10 x 9 ins., at base of post, marked X.
41.00	Point which is North, 40.00 chs. dist. from the closing cor. of secs. 6 and 7.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor. sec. 6, with brass cap marked ¼ S6 1940 deposit a sandstone, 10 x 8 x 6 ins., at base of post, marked X.
49.30	Wide draw, drains S. 20° E.
52.20	Small boxed canyon, 100 ft. deep, drains S. 20° E.
61.20	Shallow draw, drains S. 20° E.

SURVEY OF WEST BOUNDARY, T. 27 S., R. 9 E.

Chains

80.27 Intersect a line projected West, 480.95 chs. dist. from the cor. of Ts. 26 and 27 S., Rs. 9 and 10 E.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the cor. of Ts. 26 and 27 S., Rs. 8 and 9 E., with brass cap marked

T26S

R8E	R9E
S36	S31
S1	S6

T27S

1940

raise a mound of stone, 3 ft. base, 3 ft. high, S. of cor.

Cor. set on rolling land, 240 ft. above the ¼ sec. cor. of sec. 6.

Land, broken and rolling, with a general southerly exposure and drainage.
Soil, deep and shallow blue clay; 4th rate.
Undergrowth, very scattered short shadscale and weeds.
No timber.
Poor grazing land.

SUBDIVISION OF T. 27 S., R. 9 E.

May 27, 1940; stationed at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township, heretofore described, in approximate latitude 38° 25' N., longitude 110° 54' W., at 2h 34.9m p.m. correct 105th meridian standard time, I make an hour angle observation on Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point on a shale ledge about 2 miles to the N., in a westerly direction to the star.

Local mean time of observation.	2h 11.3m p.m.
Mean horizontal deflection angle from point on ledge to star	1° 14' W.
Azimuth of Polaris.	1° 15' W.
True bearing to point on ledge.	N. 0° 01' W.

Thence, from the above cor.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken blue clay and shale hill, nearly void of vegetation.

23.00 Draw, 20 ft. deep, drains S. 30° E.

39.00 Draw, 50 ft. deep, drains S. 20° E.

40.00 On broken land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S35 | S36

1940

deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.

46.00 Forks of low spur, project E. and SW. from the NW.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
61.00	Draw, 50 ft. deep, drains S. 30° E.
66.00	Draw, 50 ft. deep, drains S. 30° E.
77.80	Draw, 20 ft. deep, drains S. 30° E.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, with brass cap marked
	T27S R9E S26 | S25 S35 | S36 1940
	deposit a shale stone, 8 x 6 x 2 ins., at base of post, marked X.
	Land, broken shale hills, with a general southeasterly exposure and drainage. Soil, shallow blue clay and shale; 4th rate. Undergrowth, a few scattered shadscale. No timber. Poor grazing land.
	East, on random line, bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the E. bdy. of the township, 14 lks. N. of the cor. of secs. 25, 30, 31, and 36, heretofore described.
	Thence:
	N. 89° 54' W., on true line, bet. secs. 25 and 36.
	Over nearly level blue clay flat, through very scattered short undergrowth.
1.00	Graded road, bears N. 3° W. and S. 3° E.
14.50	Wash, 20 lks. wide, 4 ft. deep, drains S.
21.00	Wash, 20 lks. wide, 4 ft. deep, drains S. 20° E.
35.00	Small shallow draw, drains S. 20° W.
40.02	On nearly level clay flat.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S25 / S36 1940
	deposit a sandstone, 6 x 6 x 4 ins., at base of post, marked X.
43.90	Draw, 50 ft. deep, drains S. 20° W.
45.30	Draw, 50 ft. deep, drains SE.
48.30	Draw, 50 ft. deep, drains S. 20° W.
50.00	Draw, 50 ft. deep, drains SE.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
55.30	Draw, 20 ft. deep, drains S. 30° E.
66.80	Low spur, projects S. 20° E.
75.00	Draw, 75 ft. deep, drains S.
80.04	The cor. of secs. 25, 26, 35, and 36.
	Land, broken clay hills and clay flats with a general southerly exposure and drainage. Soil, deep blue clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W., bet. secs. 25 and 26.
	Over rolling and broken blue clay hills, through very scattered short undergrowth.
2.90	Draw, 50 ft. deep, drains S. 20° E.
7.60	Draw, 70 ft. deep, drains S. 20° E.
15.00	Draw, 50 ft. deep, drains S. 20° E.
17.50	Low spur, projects S. 20° E.
24.80	Draw, 50 ft. deep, drains S. 20° E.
34.00	Draw, 20 ft. deep, drains S. 20° E.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S26 | S25 1940 deposit a slate stone, 6 x 6 x 4 ins., at base of post, marked X.
51.00	Large main shallow draw, drains S. 20° E.
70.10	Low spur, projects W.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, with brass cap marked T27S R9E S23 | S24 S26 | S25 1940 deposit a sandstone, 20 x 10 x 10 ins., at base of post, marked X.
	Land, broken and rolling blue clay and shale hills. Soil, deep clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

Chains	
	S. 89° 54' E., on random line, bet. secs. 24 and 25.
40.00	Set temp. ¼ sec. cor.
79.98	Intersect the E. bdy. of the township, 7 lks. S. of the cor. of secs. 19, 24, 25, and 30, heretofore described.
	Thence:
	N. 89° 57' W., on true line, bet. secs. 24 and 25.
	Over rolling blue clay hills, through very scattered short undergrowth
3.90	Graded road, bears N. and S.
39.99	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S24/S25 1940 deposit a sandstone, 8 x 6 x 4 ins., at base of post, marked X.
43.00	Low clay spur, projects N. 10° W.
50.30	From this point, the top of a sharp shale knoll, bears S. 14° 15' W., 8.12 chs. dist.
53.00	Low spur, projects N. 10° W.
57.00	Low spur, projects N. 10° W.
74.90	Shallow draw, drains N. 10° W.
79.98	The cor. of secs. 23, 24, 25, and 26.
	Land, broken shale and blue clay hills. Soil, deep clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W., bet. secs. 23 and 24.
	Over rolling blue clay and shale hills, through very scattered short undergrowth.
2.70	Shallow draw, drains N. 10° E.
40.00	On nearly level clay flat.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S23 | S24 1940 dig pits, 18 x 18 x 12 ins., N. and S. of post, 3 ft. dist.
53.70	Draw, 50 ft. deep, drains N. 30° E.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
77.20	Shallow draw, drains N. 20° E.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 13, 14, 23, and 24, with brass cap marked T27S R9E S14 | S13 S23 | S24 1940 dig pits, 18 x 18 x 12 ins., in each sec., 5½ ft. dist. from post.
	Land, rolling and broken blue clay and shale hills. Soil, deep clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 57' E., on random line, bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the E. bdy. of the township, 2 lks. S. of the cor. of secs. 13, 18, 19, and 24, heretofore described.
	Thence:
	N. 89° 58' W., on true line, bet. secs. 13 and 24.
	Over rolling clay hills, through scattered short undergrowth
26.00	Graded road, bears N. 20° W. and S. 20° E.
39.95	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S13 / S24 1940 dig pits, 18 x 18 x 12 ins., on line E. and W. of post, 3 ft. dist.
45.00	Leave nearly all vegetation, bears E. and W.
63.00	Shallow draw, drains N. 20° W.
75.50	Large main shallow draw, drains N. 20° W.
79.20	Small draw, drains N. 20° W.
79.90	The cor. of secs. 13, 14, 23, and 24.
	Land, rolling blue clay flats. Soil, deep blue clay and shale; 4th rate. Undergrowth, very scattered short shadscale. No timber. Poor grazing land.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains

N. 0° 01' W., bet. secs. 13 and 14.

Descend gradually over rolling blue clay hills, through very scattered undergrowth.

1.70 Shallow draw, drains N. 20° W.

10.00 Large main draw, drains N. 20° W.

17.50 Bend in same draw, drains N. 20° W. from S. 20° W.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S14 | S13

1940

dig pits, 18 x 18 x 12 ins., on line, N. and S. of post, 3 ft. dist.

50.00 Shallow draw, 80 ft. below sec. cor., drains NW.

63.50 Graded road, bears E. and W.

66.00 Undergrowth becomes more dense, bears E. and W.

80.00 On sandstone surface rock, mark a cross (+) over which:

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for cor. of secs. 11, 12, 13, and 14, with brass cap marked

T27S R9E

S11 | S12

S14 | S13

1940

Land, rolling clay hills.
Soil, deep clay and shale, with outcroppings of sandstone; 4th rate.
Undergrowth, very scattered shadscale and weeds.
No timber.
Poor grazing land.

S. 89° 58' E., on random line, bet. secs. 12 and 13.

40.00 Set temp. ¼ sec. cor.

79.94 Intersect the E. bdy. of the township, 9 lks. N. of the cor. of secs. 7, 12, 13, and 18, heretofore described.

Thence:

N. 89° 54' W., on true line, bet. secs. 12 and 13.

0.10 Small wash, drains E.
Ascend abrupt E. slope of W. breaks of deep gulch, through very scattered short undergrowth.

5.70 Top of W. rim of canyon, 185 ft. above cor., bears N. and S.; thence over broken sandstone outcroppings.

22.00 Head of boxed draw, 100 ft. deep, drains N. 10° E.

29.30 Top of E. rim of gulch, bears N. and S.

SUBDIVISION OF T. 27 N., R. 9 E.

Chains	
33.10	Bottom of gulch, 65 ft. deep, drains N.; ascend W. breaks of gulch.
35.90	Top of W. rim of gulch, 50 ft. above bottom, bears N. and S.; thence over rolling land.
39.97	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S12 / S13 1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
79.94	The cor. of secs. 11, 12, 13, and 14.
	Land, rolling and broken. Soil, deep sand and clay, with outcropping of sandstone and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W. bet. secs. 11 and 12.
	Over rolling land, through scattered short undergrowth.
24.00	Small rocky gulch, 100 ft. deep, 2.00 chs. wide, drains NW., 3.00 chs. dist. to junction with gulch draining northeasterly.
27.60	Top of S. rim of rocky gulch, bears N. 20° E., and S. 20° W., 2.00 chs. dist. to point.
29.50	Bottom of gulch, 150 ft. deep, drains NE., 5.00 chs. dist. to junction with next gulch.
31.00	Top of S. point of sandstone rim between gulches, 150 ft. high.
33.00	Bottom of main gulch, 150 ft. below point of rim, drains NE.; ascend N. breaks of gulch.
35.00	Top of N. rim of gulch, 150 ft. above bottom, bears NE. and SW.; ascend gradually over broken SW. slope.
40.00	On ledgy spur, 60 ft. above rim, projects S. 10° E., 1.50 chs. dist. to end.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor, with brass cap marked
	¼ S11 | S12 1940
	deposit a sandstone, 12 x 10 x 10 ins., at base of post, marked X.
65.00	Sandstone rim, 20 ft. high, faces SW. and bears NW. and SE.
80.00	On broken land.

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Chains

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for cor. of secs. 1, 2, 11, and 12, with brass cap marked

T27S R9E
S2 | S1
S11 | S12

1940

deposit a sandstone, 12 x 12 x 10 ins., at base of post, marked X.

Land, broken sandstone rims and outcroppings.
Soil, shallow sand and clay, with a rocky surface; 4th rate.
Undergrowth, scattered short shadscale and weeds.
No timber.
Poor grazing land.

S. 89° 54' E., on random line bet. secs. 1 and 12.

40.00 Set temp. ¼ sec. cor.

79.88 Intersect the E. bdy. of the township, 7 lks. N. of the cor. of secs. 1, 6, 7, and 12, heretofore described; thence
N. 89° 51' W., on true line, bet. secs. 1 and 12.
Ascend abruptly over broken W. breaks of gulch to the E., through very scattered short undergrowth.

9.10 Top of W. breaks of gulch, 110 ft. above cor., bears NE. and S.; thence over broken bench land.

79.94 On broken bench land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼ S1/S12

1940

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

69.00 Boxed gulch, 2.00 chs. wide, 100 ft. deep, drains SE.

79.88 The cor. of secs. 1, 2, 11, and 12.

Land, broken.
Soil, shallow and deep clay and sand, with a rocky surface; 4th rate.
Undergrowth, very scattered shadscale and weeds.
No timber.
Poor grazing land.

N. 0° 01' W., on random line, bet. secs. 1 and 2.

40.00 Set temp. ¼ sec. cor.

79.70 Intersect the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the township, heretofore described.

Thence:

S. 0° 01' E., on true line, bet. secs. 1 and 2.

Chains	
	Descend gradually over broken land, through scattered short undergrowth.
10.20	Draw, 50 ft. deep, drains S. 20° W.
35.70	Shallow draw, drains SW.
39.70	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked
	¼ S2 | S1 1940
	deposit a sandstone, 6 x 6 x 4 ins., at base of post, marked X.
59.70	Boxed gulch, 100 ft. deep, 2.00 chs. wide, drains SE.
70.40	Short draw, 50 ft. deep, drains NE.
79.70	The cor. of secs. 1, 2, 11, and 12.
	Land, broken, with a general southeasterly exposure and drainage. Soil, shallow clay and sand, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the township, heretofore described.

N. 0° 01' W., bet. secs. 34 and 35.

Over broken blue clay and shale hills, through very scattered short undergrowth.

10.50	Shallow draw, drains SE.
14.50	Large main draw, 50 ft. deep, drains SE.
39.50	Shallow draw, drains S. 20° W.
40.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S34 | S35 1940
	deposit a shale stone, 6 x 4 x 2 ins., at base of post, marked X.
59.50	Shallow draw, drains S. 30° W.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 26, 27, 34, and 35, with brass cap marked

Chains	
	T27S R9E S27 | S26 S34 | S35 1940 deposit a sandstone, 10 x 10 x 10 ins., at base of post, marked X. Land, broken and rolling, with a general southerly exposure and drainage. Soil, shallow clay and shale; 4th rate. Undergrowth, very scattered short shadscale. No timber. Poor grazing land.
	East, on random line, bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
80.04	Intersect the N. and S. line, 14 lks. N. of the cor. of secs. 25, 26, 35, and 36.
	Thence:
	N. 89° 54' W., on true line, bet. secs. 26 and 35.
	Over broken blue clay hills nearly void of vegetation.
1.50	Draw, 50 ft. deep, drains S. 20° E.
3.50	Spur, 50 ft. high, projects S. 20° E.
7.90	Shallow draw, drains S. 20° E.
22.00	Low spur, projects S. 20° E.
23.70	Draw, 80 ft. deep, drains S. 20° E.
28.00	Draw, 80 ft. deep, drains S. 20° E.
40.02	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S26 / S35 1940 deposit a shale stone, 8 x 6 x 4 ins., at base of post, marked X.
44.00	Draw, 80 ft. deep, drains S. 20° E.
60.00	Shallow draw, drains SE.
63.00	Long low spur, projects S. 20° E.
65.00	Shallow draw, drains S. 20° E.
73.80	Draw, 50 ft. deep, drains S. 20° W.
80.04	The cor. of secs. 26, 27, 34, and 35.
	Land, broken shale and clay hills, with a general southeasterly exposure and drainage. Soil, shallow clay and shale; 4th rate.

Chains	
	Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W., bet. secs. 26 and 27.
	Over broken blue clay and shale hills nearly void of vegetation.
7.00	Draw, 80 ft. deep, drains S. 10° W.
17.80	Draw, 100 ft. deep, drains S. 20° W.
28.50	Recross same draw, 50 ft. deep, drains S. 10° E.
37.73	At base of nearly inaccessible SW. face of high sharp butte known as the Factory, bears E. and W., 350 ft. above sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the ¼ sec. cor. secs. 26 and 27, with brass cap marked W C ¼ S27 | S26 1940 deposit a shale stone, 10 x 8 x 6 ins., at base of post, marked X.
40.00	True point for the ¼ sec. cor. falls on nearly inaccessible SW. face of the Factory, where it is impossible to set a permanent cor.
	The line to the N. of the witness cor. to the ¼ sec. cor. secs. 26 and 27, ascends the steep SW. face of the Factory, over which it is impossible to chain, I therefore offset from the witness cor. as follows: East, 15.00 chs., thence, N. 0° 01' W., 42.27 chs., thence, West, 15.00 chs. to true line.
72.50	Approximate distance on true line; top of sharp sandstone vertical ledge at top of high butte known as the Factory, 1320 ft. above the sec. cor., bears NW. and SE.; descend inaccessible NE. face of the Factory.
80.00	True point for the cor. of secs. 22, 23, 26, and 27, falls on NE. face of vertical shale break where it is impossible to set a cor.
81.44	On steep NE. slope of the Factory, 220 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a large mound of stone to top, for witness cor. to the cor. of secs. 22, 23, 26, and 27, with brass cap marked T27S R9E S22 | S23 S27 | S26 WC 1940 deposit a sandstone, 12 x 10 x 10 ins., at base of post, marked X.
	Land, nearly inaccessible breaks of high line butte known as the Factory. Soil, shallow blue clay and shale; 4th rate.

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Chains	
	Undergrowth, a few scattered shadscale. No timber. Poor grazing land.
	From the true point for the cor. of secs. 22, 23, 26, and 27, which is S. 0° 01' E., 1.44 chs. dist. from the witness cor. to the cor. of said secs.
	S. 89° 54' E., on random line, bet. secs. 23 and 26.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the N. and S. line, 2 lks. S. of the cor. of secs. 23, 24, 25, and 26.
	Thence:
	N. 89° 55' W., on true line, bet. secs. 23 and 26.
	Over rolling blue clay and shale hills, nearly void of vegetation.
3.20	Shallow draw, drains N. 10° E.
20.00	Shallow draw, drains S. 20° E.
26.00	Draw at base of the Factory, drains S. 30° E.; thence ascend abrupt broken NE. face of the Factory.
40.03	On general NE. face of the Factory, 130 ft. above base.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S23 / S26 1940 deposit a shale stone, 10 x 10 x 8 ins., at base of post, marked X.
	Thence ascend abrupt nearly inaccessible NE. face of the Factory.
80.06	The true point for the cor. of secs. 22, 23, 26, and 27, 1310 ft. above base of the Factory.
	Land, broken blue clay and shale hills and the nearly inaccessible NE face of the Factory. Soil, shallow clay and shale; 4th rate. Undergrowth, a few scattered shadscale. No timber. Poor grazing land.
	From the true point for the cor. of secs. 22, 23, 26, and 27.
	N. 0° 01' W., bet. secs. 22 and 23.
	Descend abrupt nearly inaccessible NE. face of the Factory, which is nearly void of vegetation.
1.44	The witness cor. to the cor. of secs. 22, 23, 26, and 27.
35.00	Base of abrupt descent over NE. face of the Factory, 1110 ft. below the witness cor., bears NW. and SE.; thence over broken blue clay and shale hills.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S22 | S23 1940 deposit a shale stone, 12 x 10 x 8 ins., at base of post, marked X.
53.50	Shallow draw, drains N. 10° E.
65.50	Shallow draw, drains N. 30° E.
80.00	On broken land, 60 ft. below base of the Factory.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 14, 15, 22, and 23, with brass cap marked T27S R9E S15 | S14 S22 | S23 1940 deposit a sandstone, 10 x 10 x 10 ins., at base of post, marked X. Land, broken clay and shale hills and NE. face of the Factory. Soil, shallow clay and shale; 4 th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 55' E., on random line, bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 13, 14, 23, and 24.
	Thence:
	West, on true line bet. secs. 14 and 23.
	Over rolling blue clay hills, through very scattered undergrowth.
4.70	Draw, 50 ft. deep, drains N. 20° E.
25.00	Draw, 50 ft. deep, drains N. 20° E.
39.20	Low spur, projects N. 20° E.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S14 / S23 1940 deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.

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Chains	
53.00	Shallow draw, drains N. 10° E.
59.30	Shallow draw, drains N. 20° E.
63.00	Shallow draw, drains N. 20° E.
71.60	Spur, 50 ft. high, projects N. 20° E.
76.00	Shallow draw, drains NE.
80.00	The cor. of secs. 14, 15, 22, and 23.
	Land, rolling blue clay and shale hills. Soil, shallow and deep clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

N. 0° 01' W., bet. secs. 14 and 15.

Over rolling blue clay and shale hills, through very scattered undergrowth.

.80	Shallow draw, drains N. 30° E.
23.00	Draw, 100 ft. deep, drains E.
37.00	Draw, 50 ft. deep, drains NE.
40.00	On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S15 | S14

1940

sandstone, 8 x 8 x 8 ins., at base of post, marked X. deposit a

70.70	Low spur, projects N. 20° W.
80.00	On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, fo the cor. of secs. 10, 11, 14, and 15, with brass cap marked

T27S R9E

S10 | S11

S15 | S14

1940

shale stone, 10 x 8 x 6 ins., at base of post, marked X. deposit a

Land, rolling blue clay and shale hills.
Soil, deep clay and shale; 4th rate.
Undergrowth, a few scattered shadscale and weeds.
No timber.
Poor grazing land.

SUBDIVISION OF TP. 27 S., R. 9 W.

Chains	
	East, on random line, bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the cor. of secs. 11, 12, 13, and 14.
	Thence:
	West, on true line, bet. secs. 11 and 14.
	Over rolling clay and shale hills, through very scattered undergrowth.
10.00	Shallow draw, drains W.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked
	¼ S11 / S14
	1940
	deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.
41.80	Shallow draw, drains N. 10° W.
43.40	Graded road, bears N. 20° W. and S. 20° E.
55.00	Shallow draw, drains N. 20° W.
80.00	The cor. of secs. 10, 11, 14, and 15.
	Land, rolling clay and shale hills. Soil, shale and clay, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W., bet. secs. 10 and 11.
	Over broken clay and shale hills, through very scattered undergrowth.
2.80	Shallow draw, drains NE.
11.30	Low spur; projects E.
20.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the S. 1/16 sec. cor. secs. 10 and 11, with brass cap marked
	S 1/16
	S10 | S11
	1940
	dig pits, 18 x 18 x 12 ins., on line, N. and S. of post, 3 ft. dist.
24.00	Shallow draw, drains S. 60° E.
31.70	Graded road, bears NW. and SE., at the junction of shallow draws, drains E. from NW. and S. 80° W.
33.00	From this point, the entrance to tunnel of a coal mine, in workable condition, bears N. 85° 35'. W., 5.00 chs. dist.

Chains	
	From the entrance to the above tunnel, the entrances to two abandoned tunnels of coal mines, bears N. 25° 30' W., 4.20 chs. dist., and N. 31° 30' W., 4.70 chs. dist.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S10 | S11 1940
	dig pits, 18 x 18 x 12 ins., on line N. and S. of post, 3 ft. dist.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 2, 3, 10, and 11, with brass cap marked T27S R9E S3 | S2 S10 | S11 1940
	dig pits, 18 x 18 x 12 ins., in each sec., 3 ft. dist., from post.
	Land, rolling blue clay and shale hills. Soil, deep clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	East, on random line, bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 1, 2, 11, and 12.
	Thence:
	N. 89° 58' W., on true line, bet. secs. 2 and 11.
	Over rolling bench land, through very scattered undergrowth.
23.50	Sandstone rim, 10 ft. high, faces SW. and bears NW. and SE.
39.98	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor., with brass cap marked ¼ S2 / S11 1940
46.20	Top of sandstone outcropping, 20 x 20 x 15 ft. above ground; thence over rolling blue clay hills nearly void of vegetation.
76.60	Shallow draw, drains S. 10° W.
79.96	The cor. secs. 2, 3, 10, and 11.

Chains	
	Land, rolling. Soil, shallow and deep clay and shale; 4th rate. Undergrowth, shadscale and weeds. No timber. Poor grazing land.
	N. 0° 01' W., on random line, bet. secs. 2 and 3.
40.00	Set temp. ¼ sec. cor.
79.60	Intersect the N. bdy. of the township, 16 lks. E. of the cor. of secs. 2, 3, 34, and 35, heretofore described.
	Thence:
	S. 0° 08' E., on true line, bet. secs. 2 and 3.
	Over rolling blue clay hills, through very scattered short undergrowth.
11.40	Shallow draw, drains S. 20° E.
30.50	Shallow draw, drains S. 20° E.
39.60	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S3 | S2 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
79.60	The cor. of secs. 2, 3, 10, and 11.
	Land, rolling blue clay and shale hills. Soil, deep clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	From the cor. of secs. 26, 27, 34, and 35.
	West, on a random sectional correction line, bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. sec. cor. for secs. 27, 28, 33, and 34.
	From the temp. sec. cor. of secs. 27, 28, 33, and 34.
	S. 0° 02' E., on random line, bet. secs. 33 and 34.
40.00	Set temp. sec. cor.
79.32	Intersect the S. bdy. of the township, 40 lks. E. of the cor. of secs. 3, 4, 33, and 34, heretofore described.
	Thence:
	N. 0° 02' W., on true line, bet. secs. 33 and 34.

Chains	
	Over broken blue clay and shale hills, through very scattered undergrowth.
2.30	Shallow draw, drains E.
11.30	Shallow draw, drains E.
19.30	Shallow draw, drains E.
29.20	Shallow draw, drains E.
37.90	Shallow draw, drains E.
39.32	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S33 | S34 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
39.80	Draw, 50 ft. deep, drains E.
57.30	Draw, 50 ft. deep, drains E.
76.00	Shallow draw, drains E.
79.32	Fall 40 lks. W. of the temp. cor. of secs. 27, 28, 33, and 34.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, with brass cap marked T27S R9E S28 | S27 S33 | S34 1940 deposit a shale stone, 12 x 10 x 8 ins., at base of post, marked X.
	Land, broken shale and blue clay hills. Soil, deep blue clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	From the cor. of secs. 26, 27, 34, and 35.
	West, on a sectional correction line, bet. secs. 27 and 34.
	Over broken blue clay and shale hills, through very scattered undergrowth.
4.50	Draw, 100 ft. deep, drains S. 10° W.
10.30	Draw, 50 ft. deep, drains S. 20° W.
26.00	Draw, 50 ft. deep, drains S.
31.60	Draw, 50 ft. deep, drains S. 10° W.
36.50	Draw, 50 ft. deep, drains S. 20° E.

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Chains	
	T27S R9E S21 | S22 S27 | S28 1940 deposit a shale stone, 12 x 10 x 8 ins., at base of post, marked X. Land, broken shale and clay hills. Soil, deep shale and clay; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	East, on random line, bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
40.12	The line to the E. of this point ascends the inaccessible SW. face of high butte known as the Factory, over which it is impossible to chain; to pass butte, I offset as follows: North, 15.00 chs. East, 40.12 chs. South, 15.12 chs. to
80.24	The true point for the cor. of secs. 22, 23, 26, and 27, which is S. 0° 01' E., 1.44 chs. dist. from the witness cor. to the cor. of said secs. Thence: N. 89° 55' W., on true line, bet. secs. 22 and 27, giving approximate distances to topography on true line. Ascend inaccessible NE. face of the Factory.
5.00	Top of sharp sandstone ledge and top of the Factory, 200 ft. above true point for cor., bears N. 80° W. and S. 80° E.; descend abrupt SW. face of the Factory over vertical inaccessible shale breaks.
40.12	At base of the Factory, 1320 ft. below top, bears NW. and SE. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S22 / S27 1940 deposit a shale stone, 8 x 6 x 4 ins., at base of post, marked X. Thence over broken blue shale and clay hills.
51.50	Draw, 50 ft. deep, drains SE.
65.20	Draw, 50 ft. deep, drains SE.
80.24	The cor. of secs. 21, 22, 27, and 28. Land, broken shale and clay hills and the SW. face of the Factory. Soil, blue clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber Poor grazing land.

Chains	
40.20	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S27 / S34
	1940
	deposit a shale stone, 18 x 10 x 4 ins., at base of post, marked X.
48.00	Shallow draw, drains S.
53.00	Draw, 50 ft. deep, drains S.
55.70	Draw, 50 ft. deep, drains S. 10° W.
64.00	Draw, 50 ft. deep, drains S. 10° W.
69.40	Low spur, projects S. 10° E.
70.90	Large main draw, 75 ft. deep, drains S. 20° E.
80.40	The cor. of secs. 27, 28, 33, and 34.
	Land, broken shale and clay hills with a general southerly exposure and drainage. Soil, shallow blue clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken blue clay and shale hills, through very scattered short undergrowth.
8.00	Large shallow draw, drains SE.
16.80	Draw, 70 ft. deep, drains S. 10° W., about 5.00 chs. dist. to junction with last draw.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S28 | S27 1940
	deposit a shale stone, 12 x 10 x 6 ins., at base of post, marked X.
51.00	Shallow draw, drains W.
57.80	Shallow draw, drains SW.
75.10	Shallow draw, drains S. 10° W.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 21, 22, 27, and 28, with brass cap marked

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Chains	
	N. 0° 02' W., bet. secs. 21 and 22.
	Over broken blue clay hills, through very scattered short undergrowth.
2.50	Low divide ridge, bears E. and W.
28.80	Shallow draw, drains N. 20° W.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S21 | S22 1940
	deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked X.
50.00	Low spur, projects N. 10° W.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 15, 16, 21, and 22, with brass cap marked
	T27S R9E S16 | S15 S21 | S22 1940
	deposit a shale stone, 8 x 8 x 6 ins., at base of post, marked X.
	Land, broken shale and clay hills. Soil, deep shale and clay; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 55' E., on random line, bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 14, 15, 22, and 23.
	Thence:
	West, on true line, bet. secs. 15 and 22.
	Over broken blue clay and shale hills, through very scattered short undergrowth.
4.00	Shallow draw, drains N. 30° E.
25.60	Draw, 100 ft. deep, drains N.
29.60	Small spur, projects N.
36.20	Shallow draw, drains N. 30° E.
40.10	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

Chains

$\frac{S15}{S22}$ ¼

1940

deposit a shale stone, 8 x 6 x 4 ins., at base of post, marked X.

59.00 Shallow draw, drains N.

80.20 The cor. of secs. 15, 16, 21, and 22.

Land, broken shale and clay hills.
Soil, deep shale and clay; 4th rate.
Undergrowth, a few scattered shadscale and weeds.
No timber.
Poor grazing land.

N. 0° 02' W., bet. secs. 15 and 16.

Over broken blue clay and shale hills, through very scattered short undergrowth.

16.00 Shallow draw, drains N. 20° W.

27.00 Recross draw, drains N. 20° E.

36.00 Large main draw, 50 ft. deep, drains NE.

40.00 On broken land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S16 | S15

1940

deposit a sandstone, 12 x 10 x 6 ins., at base of post, marked X.

50.00 Shallow draw, drains SE.

58.00 Shallow draw, drains E.

70.00 Shallow draw, drains E.

73.30 Spur, drains E.

80.00 On broken land.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 9, 10, 15, and 16, with brass cap marked

T27S R9E

S9 | S10

S16 | S15

1940

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, broken clay and shale hills.
Soil, deep clay and shale; 4th rate.
Undergrowth, very scattered shadscale and weeds.
No timber.
Poor grazing land.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
	East, on random line, bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
60.00	Set temp. E. 1/16 sec. cor. secs. 10 and 15.
80.06	Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 10, 11, 14, and 15.
	Thence:
	N. 89° 57' W., on true line, bet. secs. 10 and 15.
	Over broken blue clay and shale hills, through very scattered short undergrowth.
3.70	Shallow draw, drains NE.
20.02	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the E. 1/16 sec. cor. secs. 10 and 15, with brass cap marked
	$E\ \frac{1}{16}\ \frac{S10}{S15}$
	1940
	deposit a sandstone, 8 x 8 x 8 ins., at base of post, marked X.
30.00	Shallow draw, drains N. 20° E.
40.03	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	$\frac{1}{4}\ \frac{S10}{S15}$
	1940
	deposit a sandstone, 12 x 8 x 6 ins., at base of post, marked X.
55.20	Bottom of main draw, 100 ft. deep, drains N. 60° E.
80.06	The cor. of secs. 9, 10, 15, and 16.
	Land, rolling and broken clay and shale hills. Soil, deep clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over broken clay and shale hills, through scattered short undergrowth.
7.20	Shallow draw, drains SE.
20.50	Shallow draw, drains E.
26.00	Shallow draw, drains E.
30.40	Shallow draw, drains E.

Chains	
39.80	Shallow draw, drains E.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S9 | S10 1940
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
46.00	Low sandstone spur, projects S. 80° E.; enter sandstone and shale outcroppings, bears S. 80° E. and N. 80° W.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a large mound of stone to top, for the cor. of secs. 3, 4, 9, and 10, with brass cap marked
	T27S R9E S4 | S3 S9 | S10 1940
	deposit a sandstone, 12 x 9 x 6 ins., at base of post, marked X.
	Land, broken clay and sandstone outcroppings. Soil, shallow and deep clay and sand, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 57' E., on random line, bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 2 lks. N. of the cor. of secs. 2, 3, 10, and 11.
	Thence:
	N. 89° 56' W., on true line, bet. secs. 3 and 10.
	Over rolling and broken clay and shale hills, through very scattered short undergrowth.
11.00	Unimproved road, bears N. 10° W. and S. 10° E.
21.70	Shallow draw, drains S.
32.40	Shallow draw, drains S.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S3/S10 1940

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Chains	
	Soil, shallow shale and clay with a rocky surface; 4th rate. Undergrowth, scattered shadscale and weeds. No timber. Poor grazing land.
	From the cor. of secs. 27, 28, 33, and 34.
	West, on a random sectional correction line, bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. secs. 28, 29, 32, and 33.
	Thence, from the temp. cor. of secs. 28, 29, 32, and 33.
	S. 0° 03' E., on random line, bet. secs. 32 and 33.
40.00	Set temp. ¼ sec. cor.
79.33	Intersect the S. bdy. of the township, 10 lks. W. of the cor. of secs. 32 and 33, an iron post, 2 ins. diam., set, marked and witnessed, as described in the official record of the survey of T. 28 S., R. 9 E., Group No. 226, Utah.
	Thence:
	N. 0° 03' W., on true line, bet. secs. 32 and 33.
	Descend abruptly over broken E. slope of the NW. breaks of sharp point from Hank's Mesa, through scattered undergrowth.
6.80	Gulch, 210 ft. below cor., drains W.; ascend abruptly over broken SW. slope of the NW. point of Hank's Mesa.
35.90	At top of ascent, 460 ft. above gulch, bears E. and W.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the ¼ sec. cor. secs. 32 and 33, with brass cap marked W C ¼ S32 | S33 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Thence descend abruptly over shale breaks on NW. slope of NW. point of Hank's Mesa.
39.33	True point for the ¼ sec. cor. secs. 32 and 33, falls on W. face of shale break, where it is impossible to set a cor.
69.30	Base of the NW. point of Hank's Mesa, 420 ft. below cor., bears E. and W.; thence descend gradually along top of ridge bearing N. from Mesa.
79.33	On top of ridge, 40 ft. below base of NW. point of Hank's Mesa, bears N. and S.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass cap marked T27S R9E S29 | S28 S32 | S33 1940

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
	dig pits, 18 x 18 x 12 ins., on line E. and W. of post, 3 ft. dist.
44.60	Wide shallow draw, drains S. 10° E.
59.90	Shallow draw, drains S.
61.00	Enter sandstone outcropping, bears N. and S.
80.00	The cor. of secs. 3, 4, 9, and 10.
	Land, broken shale and clay hills and sandstone outcroppings. Soil, shallow shale and clay; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 09' W., on random line, bet. secs. 3 and 4.
40.00	Set temp. ¼ sec. cor.
78.50	Top of high vertical shale rim over which it is impossible to chain; I therefore offset as follows:
	East, 1.00 chs. dist., thence:
	N. 0° 09' W., on offset line to:
79.54	Intersect the N. bdy. of the township, 14 lks. E. of the witness cor. to the cor. of secs. 3, 4, 33, and 34, heretofore described, which is East, 1.00 chs. dist. from the true point for the cor. of said secs
	Thence; from the witness cor. to the cor. of secs. 3, 4, 33, and 34.
	S. 0° 15' E., on offset line, bet. secs. 3 and 4.
	Over broken sandstone outcroppings through scattered short undergrowth.
1.54	Offset West, 1.00 chs. dist. to true line, at top of high vertical shale rim, faces NW. and bears N. 80° E., and S. 80° W.
	Thence S. 0° 15' E., on true line.
29.00	Top of sandstone and shale reef, 150 ft. high, faces NW. and bears NE. and SW.; descend gradually over broken sandstone outcroppings.
39.54	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked
	¼ S4 | S3 1940
	deposit a sandstone, 12 x 10 x 6 ins., at base of post, marked X.
42.00	Top of the W. end of sandstone butte, 75 ft. high.
57.30	Top of the E. end of sandstone butte, 100 ft. high.
79.54	The cor. of secs. 3, 4, 9, and 10.
	Land, broken shale and sandstone ledges and outcroppings.

SUBDIVISION OF T. 27 S., R. 9 E.

Chains	
	deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked X.
	Land, broken slopes of the NW. point of Hank's Mesa. Soil, deep clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	From the cor. of secs. 27, 28, 33, and 34.
	West, on a sectional correction line, bet. secs. 28 and 33.
	Over rolling blue clay hills, through very scattered short undergrowth.
9.20	Enter bottom of wide shallow draw, drains S. 70° E. from the W.
15.00	Leave bottom of draw, drains E. from N. 70° W.
20.00	Recross bottom of draw, drains N. 20° E.
39.95	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S28 / S33 1940
	deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.
65.90	Shallow draw, drains N. 30° E.
73.80	Shallow draw, drains NE.
79.90	The cor. of secs. 28, 29, 32, and 33.
	Land, broken and rolling clay and shale hills. Soil, deep blue clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 03' W., bet. secs. 28 and 29.
	Along rolling top of wide shale ridge, through very scattered undergrowth.
8.50	Leave top of ridge, bears S. and NE.; thence over rolling clay and shale hills.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S29 | S28 1940

Chains	
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
45.50	Shallow draw, drains NE.
54.50	Shallow draw, drains N. 20° E.
58.70	Recross draw, drains NW.
66.00	Recross draw, drains NE.
73.90	Shallow draw, drains NE.
80.00	On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 20, 21, 28, and 29, with brass cap marked

T27S R9E
S20 | S21
S29 | S28

1940

raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling shale and clay hills.
Soil, deep blue clay and shale; 4th rate.
Undergrowth, a few scattered shadscale and weeds.
No timber.
Poor grazing land.

East, on random line, bet. secs. 21 and 28.

40.00	Set temp. ¼ sec. cor.
80.00	Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 21, 22, 27, and 28.

Thence:

S. 89° 54' W., on true line, bet. secs. 21 and 28.

Over broken blue clay and shale hills, through very scattered undergrowth.

10.00	Low ridge, bears NE. and SW.
40.00	On broken land.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼ S21
S28

1940

deposit a sandstone, 12 x 8 x 8 ins., at base of post, marked X.

46.30	Small spur, projects N.
59.70	Small spur, projects N.
66.40	Large shallow draw, drains NE.
73.00	Small draw, drains NE.

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Chains	
80.00	The cor. of secs. 20, 21, 28, and 29.
	Land, rolling and broken shale and clay hills. Soil, deep shale and clay; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	N. 0° 03' W., bet. secs. 20 and 21.
	Over broken clay and shale hills, through very scattered undergrowth.
35.80	Base of gradual ascent over SE. slope of broken sandstone rim, bears N. 20° E. and S. 20° W.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S20 | S21 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
65.80	Top of sandstone and shale rim, 100 ft. above the ¼ sec. cor., faces NW. and bears N. 10° E. and S. 10° W.; descend abrupt broken NW. slope.
80.00	On S. side of large main draw draining E. through rim, 80 ft. below top.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 16, 17, 20, and 21, with brass cap marked T27S R9E S17 | S16 S20 | S21 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken shale and sandstone breaks. Soil, shallow and deep clay and shale, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	N. 89° 54' E., on random line, bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the N. and S. line, 19 lks. N. of the cor. of secs. 15, 16, 21, and 22.
	Thence:
	N. 89° 58' W., on true line, bet. secs. 16 and 21.
	Over broken shale and blue clay hills, through very scattered undergrowth.

Chains	
33.60	Large shallow draw, drains N. 20° E.
40.06	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S16 / S21 1940 deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.
48.60	Shallow draw, drains N. 20° E.
55.20	Large main draw, drains NE.; thence through pass in sandstone reef, along bottom lands of draw.
71.00	Recross draw, drains S. 80°E.
80.12	The cor. of secs. 16, 17, 20, and 21.
	Land, broken shale and clay hills, with outcroppings of sandstone. Soil, deep and shallow clay and shale, with rocky surface; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	N. 0° 03' W., bet. secs. 16 and 17.
	Along base of broken shale and sandstone rim to the E., through very scattered undergrowth.
0.20	Bottom of large main draw, drains N. 80° E. through pass in reef; thence along base of reef.
17.50	Leave base of reef, bears N. 20° E. and S. 20° W.; thence over broken blue clay and shale hills.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S17 | S16 1940 deposit a sandstone, 10 x 10 x 5 ins., at base of post, marked X.
43.50	Bottom of large main draw, drains E. through pass in reef.
80.00	On broken land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 8, 9, 16, and 17, with brass cap marked T27S R9E S8 | S9 S17 | S16 1940 deposit a sandstone, 10 x 8 x 6 ins., at base of post, marked X.

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Chains	
	Land, broken shale and clay hills. Soil, deep clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 58' E., on random line, bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the N. and S. line, 12 lks. N. of the cor. of secs. 9, 10, 15, and 16.
	Thence:
	N. 89° 53' W., on true line, bet. secs. 9 and 16.
	Over broken sandstone and shale outcroppings, through scattered undergrowth.
34.20	Base of abrupt ascent over broken E. face of sandstone reef, bears N. 10° E. and S. 10° W.
40.06	On broken E. slope of reef, 120 ft. above base.
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked ¼ S9/S16 1940 deposit a sandstone, 12 x 10 x 10 ins., at base of post, marked X.
46.50	Top of sandstone and shale rim, 50 ft. above the ¼ sec. cor., faces W. and bears N. 10° E. and S. 10° W.; descend abrupt W. slope.
51.00	Base of W. face of reef, 100 ft. below top, bears N. 10° E. and S. 10° W.; thence over broken shale and clay hills.
67.00	Large shallow draw, drains S. 10° E.
70.60	Large shallow draw, drains SE.
80.12	The cor. of secs. 8, 9, 16, and 17.
	Land, broken shale and sandstone breaks. Soil, deep clay and shale; with a rocky surface; 4th rate. Undergrowth; very scattered shadscale, weeds, and mountain rush. No timber. Poor grazing land.
	N. 0° 03' W., bet. secs. 8 and 9.
	Over broken shale and clay hills, through very scattered undergrowth.
33.20	Top of sandstone and shale reef, faces NW. and bears N. 20° E. and S. 20° W.; descend abrupt NW. breaks of reef.
40.00	On abrupt broken NW. slope of reef, 100 ft. below top.

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Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S8 | S9 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
61.00	Top of nearly vertical sandstone and shale rim, faces NW. and bears NE. and SW., 260 ft. below the ¼ sec. cor.
74.00	Base of rim, 100 ft. below top, bears NE. and SW.; thence over rolling bottom lands of Salt Wash.
80.00	On rolling bottom lands of Salt Wash.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 4, 5, 8, and 9, with brass cap marked T27S R9E S5 | S4 S8 | S9 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken and shale and sandstone rims. Soil, deep and shallow clay and shale, with a rocky surface; 4th rate Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	S. 89° 53' E., on random line, bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 3, 4, 9, and 10.
	Thence:
	N. 89° 56' W., on true line, bet. secs. 4 and 9.
	Ascend gradual E. face of sandstone reef, through scattered undergrow
4.00	Top of sandstone and shale reef, 30 ft. high and 60 ft. above cor., faces W. and bears N. and S.; continue ascent.
10.00	Top of sandstone and shale reef, 30 ft. high, and 100 ft. above cor., faces W. and bears N. and S.; descend gradually.
14.70	Top of sandstone and shale reef, 30 ft. high and 20 ft. below top of last reef, faces W. and bears N. and S.; descend abruptly over W. face of reef and shale outcroppings.
28.40	Large main draw, 180 ft. below top of last reef, drains N. 20° E.; ascend E. slope.
38.50	Top of shale and sandstone spur, 150 ft. above draw, projects N.; descend broken W. slope.
40.07	On broken W. slope, 30 ft. below spur.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S4 / S9
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
41.30	Draw, 40 ft. below cor., drains N.; ascend ledgy E. slope.
64.30	Top of vertical E. rim of Salt Wash, 150 ft. above draw, bears NE. and SW.; descend abruptly.
75.00	Base of E. rim of Salt Wash, 280 ft. below top, bears N. and S.; thence over rolling bottom lands.
80.14	The cor. of secs. 4, 5, 8, and 9.
	Land, broken shale and sandstone rims and outcroppings. Soil, deep clay and shale; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	N. 0° 16' W., on random line, bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
79.44	Intersect the N. bdy. of the township, 25 lks. W. of the true point for the cor. of secs. 4, 5, 32, and 33, which is West, 3.00 chs. dist. from the witness cor. to the cor. of said secs., heretofore described.
	Thence, from the true point for cor.
	S. 0° 05' E., on true line, bet. secs. 4 and 5.
	Descend abruptly over broken N. breaks of gulch to the S., through scattered undergrowth.
3.00	Bottom of main gulch, 80 ft. below true point for cor., drains N. 80° E.; ascend abrupt ledgy S. breaks of gulch.
26.00	Top of sandstone spur and S. breaks of gulch, 220 ft. above bottom, projects NE.; thence over broken E. face of sandstone ledges.
32.90	Sandstone gulch, 100 ft. deep, drains E.
39.44	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ / S5 | S4
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
46.00	Base of descent from ledges, 150 ft. below top, bears NE. and SW.; thence over rolling bottom lands of Salt Wash.
61.50	Sandy draw, drains E. to Salt Wash.

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Chains	
76.60	Stream of alkali water, 20 lks. wide, 3 ins. deep, in channel of Salt Wash, flows E., 5.00 chs. dist., thence N. 10° E.
79.44	The cor. of secs. 4, 5, 8, and 9.
	Land, broken sandstone and shale breaks and rolling bottom lands of Salt Wash. Soil, deep loose sand in bottom lands of Salt Wash and clay and shale on the breaks; 3rd and 4th rate. No timber. Poor grazing land.
	From the cor. of secs. 28, 29, 32, and 33.
	West, on a random sectional correction line, bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. of secs. 29, 30, 31, and 32.
	From the temp. cor. of secs. 29, 30, 31, and 32.
	S. 0° 03' E., on random line, bet. secs. 31 and 32.
40.00	Set temp. ¼ sec. cor.
79.30	Intersect the S. bdy. of the township, 20 lks. W. of the cor. of secs. 31 and 32, an iron post, 2 ins. diam., set, marked, and witnessed, as described in the official record of the survey of T. 28 S., R. 9 E. Group No. 226, Utah.
	Thence:
	N. 0° 03' W., on true line, bet. secs. 31 and 32.
	Over SE. face of sandstone ridge, through very scattered undergrowth.
0.40	Top of sandstone ridge, 10 ft. above cor., bears NE. and SW.; descend abruptly over broken NW. face of ridge.
9.30	Base of descent from ridge, 200 ft. below top, bears NE. and SW.; thence over rolling bottom lands of wide draw.
36.00	Bottom of large shallow main draw, drains NE.; thence over broken sandstone outcroppings.
39.30	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S31 | S32 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
50.60	Shallow draw, drains SE.
79.30	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 29, 30, 31, and 32, with brass cap marked

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Chains	
	T27S R9E S30 | S29 S31 | S32 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, broken and rolling. Soil, deep clay and shale, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	From the cor. of secs. 28, 29, 32, and 33. West, on a true sectional correction line, bet. secs. 29 and 32. Over broken blue clay and shale hills, through very scattered undergrowth.
12.00	Shallow draw, drains NW.
19.10	Shallow draw, drains NW.
28.50	Large main draw, drains N.
39.90	Near base of broken E. slope of sandstone breaks. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S29 / S32 1940 deposit a sandstone, 10 x 6 x 6 ins., at base of post, marked X.
41.00	Base of abrupt ascent over E. slope of sandstone and shale ridge, bears N. 20° E. and S. 20° W.
47.00	Top of ridge, 130 ft. above the ¼ sec. cor., bears S. 20° W., and N. 20° E., 150 chs. dist. to peak; descend abrupt W. slope.
51.70	Base of descent from ridge, bears N. 20° E. and S. 20° W.; thence over rolling blue clay and shale hills.
60.70	Bottom of main draw, drains N.
71.00	Shallow draw, drains N. 10° E.
74.00	Enter broken sandstone breaks, bear N. and S.
77.00	Recross draw, drains SE.
79.80	The cor. of secs. 29, 30, 31, and 32. Land, rolling clay and shale hills, and broken sandstone outcroppings. Soil, clay and shale, with a rocky surface; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.

Chains	
	West, on a true sectional correction line, bet. secs. 30 and 31.
	Over broken land, through scattered short undergrowth.
5.80	Draw, drains NE. from the W.; thence along general bottom of draw which is rimmed with broken sandstone ledges.
15.00	Leave bottom of draw, drains E. from S. 80° W.; ascend along broken N. breaks of draw.
23.00	Top of E. rim of boxed gulch, bears N. and S.
25.50	Bottom of boxed gulch, 100 ft. deep, drains S.
28.00	Top of W. rim of boxed gulch, bears N. and S.; thence along top of E. point of spur from the W.
33.20	Top of spur, projects E. from N. 80° W.; ascend ledgy SW. slope.
40.00	On surface rock, 160 ft. above sec. cor., mark a cross (+), over whic
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor., with brass cap marked
	¼ S30/S31
	1940
	Continue ascent over broken SW. slope.
79.50	Ridge, 100 ft. above the ¼ sec. cor., bears N. and S.
81.29	Intersect the W. bdy. of the township, North, 1.00 chs. dist. from the cor. of secs. 25 and 36, heretofore described.
	At point of intersection, on abrupt N. slope, 40 ft. below top of rid
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, fo closing cor. of secs. 30 and 31, with brass cap marked
	T27S | T27S S30 C R8E C S31 S25 | R9E
	1940
	raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	Land, broken sandstone ledges and shale breaks. Soil, shallow sand and clay; with a rocky surface; 4th rate. Undergrowth, shadscale, mountain rush, and weeds. Timber, a few scattered scrub juniper. Poor grazing land.
	From the cor. of secs. 29, 30, 31, and 32.
	N. 0° 03' W., bet. secs. 29 and 30.
	Over broken sandstone and shale outcroppings, through scattered short undergrowth.
2.30	Shallow draw, drains S. 80° E.
22.00	Begin gradual ascent over SE. slope of sandstone spur, bears NE. and

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Chains	
30.00	Rocky draw, drains S. 80° E.
40.00	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor., with brass cap marked ¼ S30 | S29 1940
42.00	Top of vertical sandstone rim, 150 ft. above sec. cor., faces NW. and bears NE. and SW.
49.50	Sandstone draw, 50 ft. below rim, drains S. 80° E.
55.30	Draw, drains E.; ascend abrupt SW. slope of rim.
61.00	Top of sandstone rim, 150 ft. above draws, faces W. and bears N. and SW.; thence along top of rim.
69.00	Leave top of rim and descend abrupt NW. face of same, bears NE. and S.
80.00	On broken N. slope, 100 ft. below top of rim.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, with brass cap marked T27S R9E S19 | S20 S30 | S29 1940 raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken sandstone rims and outcroppings. Soil, shallow sand and clay; 4th rate. Undergrowth, shadscale, mountain rush, and weeds. Timber, a few scattered scrub juniper on W. portion of mile. Poor grazing land.
	East, on random line, bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the cor. of secs. 20, 21, 28, and 29.
	Thence:
	West, on true line, bet. secs. 20 and 29.
	Over broken land, through scattered short undergrowth.
9.20	Base of abrupt ascent over E. slope of sandstone rim, bears N. and S.
22.00	Top of shale and sandstone rim, 20 ft. above cor., faces W. and bears N. 20° E. and S. 20° W.; descend abrupt W. face of rim.
25.00	Base of descent from top of rim, 180 ft. below top, bears NE. and SW.; thence over rolling land.
39.40	Shallow draw, drains N. 10° E.

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Chains	
39.95	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S20 / S29 1940 raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
42.50	Low rocky rise, bears N. and S.
54.00	Large shallow main draw, drains N. 10° E.
60.00	Top of sandstone rim, faces W. and bears N. and S.
65.60	Shallow draw, 60 ft. below rim, drains SE.
73.00	Small draw, drains NE.
79.90	The cor. of secs. 19, 20, 29, and 30.
	Land, broken shale and sandstone rims and outcroppings. Soil, deep and shallow clay and shale, with a rocky surface; 4th rate. Undergrowth, scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	West, on true line, bet. secs. 19 and 30.
	Over broken shale and sandstone hills, through scattered short undergrowth.
13.30	Shallow draw, drains N. 70° E.
24.70	Top of sandstone rim, faces W. and bears N. and SW.
29.20	Base of rim, 130 ft. below top, bears N. and SW.; thence over broken sandstone outcroppings.
31.40	Large draw near head, drains N.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S19 / S30 1940 raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
69.30	Base of high inaccessible sandstone point, bears NW. and SE. over which it is impossible to chain or project a line; to pass point, I offset as follows: North, 8.20 chs., thence, West, 9.70 chs., thence, South, 8.20 chs. to
79.00	Point on true line at base of high sandstone point, bears NE. and SW.; thence on true line.

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Chains	
81.19	Intersect the W. bdy. of the township, North, 1.00 chs. dist., from the cor. of secs. 24 and 25, heretofore described. At point of intersection; near W. base of high vertical sandstone ledge. Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to solid rock and in a large mound of stone to top, for closing cor. of secs. 19 and 30, with brass cap marked T27S | T27S S19 C R8E | C S30 S24 | R9E 1940 deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X. Land, broken sandstone and shale breaks and rims. Soil, shallow and deep clay and shale, with a rocky surface; 4th rate. Undergrowth, shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	From the cor. of secs. 19, 20, 29, and 30. N. 0° 03' W. bet. secs. 19 and 20. Over broken land, through scattered short undergrowth.
4.20	Small draw, drains SE.
11.90	Spur, 70 ft. high, projects SE.
19.60	Shallow draw, drains E.
40.00	On rolling land. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S19 | S20 1940 deposit a sandstone, 12 x 10 x 8 ins., at base of post, marked X.
47.10	Top of sandstone and shale reef, 200 ft. high, faces NW. and bears NE. and SW.; descend abruptly.
52.00	Base of reef, 200 ft. below top, bears NE. and SW.; thence over rolling land.
80.00	On rolling land. Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for cor. of secs. 17, 18, 19, and 20, with brass cap marked T27S R9E S18 | S17 S19 | S20 1940

Chains	
	deposit a sandstone, 10 x 10 x 10 ins., at base of post, marked X.
	Land, broken sandstone reef and rolling clay hills. Soil, deep and shallow clay and shale; 4th rate. Undergrowth, scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	East, on random line, bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the cor. of secs. 16, 17, 20, and 21.
	Thence:
	West, on true line, bet. secs. 17 and 20.
	Over broken shale and clay hills, through very scattered undergrowth.
0.50	Large shallow draw, drains N. 80° E.
19.00	Low spur, projects N.
22.50	Begin gradual ascent over broken sandstone outcroppings on E. slope of rim, bears N. and S.
39.95	On sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for ¼ sec. cor., with brass cap marked ¼ S17/S20 1940
44.20	Top of vertical sandstone and shale rim, faces W. and bears N. and S.
49.00	Base of rim, 100 ft. below top, bears N. 20° W. and S. 20° E.
64.60	Top of high vertical sandstone and shale rim, 200 ft. high, faces W. and bears N. and S.
70.00	Base of rim, bears N. and S.; thence over broken shale outcroppings.
79.90	The cor. of secs. 17, 18, 19, and 20.
	Land, broken shale and sandstone rims. Soil, shallow clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.
	West, on true line, bet. secs. 18 and 19.
	Over rolling sand and shale hills, through scattered short undergrowth
14.50	Draw, 100 ft. deep, drains N.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

Chains	
	S18 ¼ S19 1940
	deposit a sandstone, 12 x 10 x 8 ins., at base of post, marked X.
51.10	Shallow draw, drains N.
81.10	Intersect the W. bdy. of the township, North, 1.02 chs. dist. from the cor. of secs. 13 and 24, heretofore described.
	At point of intersection; on sandstone surface rock, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for closing cor. of secs. 18 and 19, with brass cap marked
	T27S | T27S S18 C R8E | C S19 S13 | R9E 1940
	Land, broken and rolling sand and clay hills. Soil, deep sand and clay; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Fair winter grazing land.
	From the cor. of secs. 17, 18, 19, and 20.
	N. 0° 03' W., bet. secs. 17 and 18.
	Over rolling sand and shale hills, through scattered short undergrowth.
14.00	Large main draw, 50 ft. deep, drains NE.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S18 | S17 1940
	deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.
44.30	Draw, 50 ft. deep, drains E.
57.20	Top of S. rim of boxed gulch, bears E. and W.
58.20	Bottom of boxed gulch, 140 ft. deep, drains E.
59.20	Top of N. rim of gulch, bears E. and W.
63.00	Gulch, 50 ft. deep, drains NE.
80.00	On rolling land.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the cor. of secs. 7, 8, 17, and 18, with brass cap marked

Chains

T27S R9E	
S7	S8
S18	S17

1940

deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.

Land, rolling and broken sand and shale hills.
Soil, deep sand and clay; 4th rate.
Undergrowth, shadscale, mountain rush, and weeds.
No timber.
Poor grazing land.

East, on random line, bet. secs. 8 and 17.

40.00 Set temp. ¼ sec. cor.

79.90 Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 8, 9, 16, and 17.

Thence:

N. 89° 58' W., on true line, bet. secs. 8 and 17.

Over broken shale and sand hills through scattered short undergrowth.

10.00 Base of gradual ascent over E. slope, bears N. and S.

17.80 Top of sandstone rim, 100 ft. high, faces W. and bears NE. and SW.

34.35 On sandstone surface rock, mark a cross (+), over which:

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone to top, for witness cor. to the ¼ sec. cor. secs. 8 and 17, with brass cap marked

WC ¼ S8/S17

1940

34.60 Top of vertical sandstone rim, 100 ft. high, faces W. and bears N. and S.; descend abrupt W. slope of shale and sandstone breaks.

39.95 True point for the ¼ sec. cor. secs. 8 and 17, falls on W. face of shale break, where it is impossible to set a permanent cor.

45.00 Base of shale breaks, 180 ft. below cor., bears N. and S.; thence over rolling land.

60.00 Bottom of large shallow draw, drains N.; ascend gradually.

79.90 The cor. of secs. 7, 8, 17, and 18, 170 ft. above draw.

Land, broken shale and sandstone breaks.
Soil, shallow and deep clay and shale; 4th rate.
Undergrowth, shadscale, mountain rush, and weeds.
No timber.
Poor grazing land.

West, on true line, bet. secs. 7 and 18.

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Chains	
	Over broken blue shale and sandstone hills, through scattered short undergrowth.
9.50	Shallow draw, drains NE.
13.00	Shallow draw, drains NE.
40.00	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked ¼ S7/S18 1940 deposit a sandstone, 8 x 6 x 4 ins., at base of post, marked X.
57.00	Top of E. rim of boxed gulch, bears N. and S.
59.20	Bottom of gulch, 100 ft. deep, drains N.
60.70	Top of W. rim of boxed gulch, bears N. and S.
77.00	Large rocky draw, drains N. 30° E.
81.03	Intersect the W. bdy. of the township, North, 1.02 chs. dist. from the cor. of secs. 12 and 13, heretofore described.
	At point of intersection:
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for closing cor. of secs. 7 and 18, with brass cap marked T27S | T27S R8E | S7 C / S18 C S12 | R9E 1940 deposit a sandstone, 12 x 8 x 4 ins., at base of post, marked X.
	Land, broken shale and sandstone breaks and hills. Soil, shallow clay and sand; 4th rate. Undergrowth, shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	From the cor. of secs. 7, 8, 17, and 18.
	N. 0° 03' W., bet. secs. 7 and 8.
	Over rolling shale and clay hills, through scattered short undergrowth.
2.50	Small rocky gulch, drains E.
5.50	Small rocky gulch, drains E.
17.00	Shallow draw, drains E.
25.00	Shallow draw, drains E.
40.00	On gradual NE. slope, 70 ft. above sec. cor.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S7 | S8 1940
	deposit a sandstone, 6 x 4 x 2 ins., at base of post, marked X.
47.70	Begin gradual descent over N. slope, bears E. and W.
58.90	Top of S. rim of Salt Wash, 100 ft. high, bears E. and W.
63.50	Stream of alkali water, 20 lks. wide, 2 ins. deep, in bottom of Salt Wash, flows E.; ascend abrupt N. breaks of wash.
67.00	Top of N. rim of Salt Wash, 250 ft. above stream, bears E. and W.; thence along gradual broken S. slope.
80.00	On broken S. slope, 250 ft. above rim of Salt Wash.
	Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock and in a large mound of stone to top, for cor. of secs. 5, 6, 7, and 8, with brass cap marked
	T27S R9E S6 | S5 S7 | S8 1940
	deposit a sandstone, 12 x 10 x 10 ins., at base of post, marked X.
	Land, broken shale and sandstone rims. Soil, shallow clay and sand; 4th rate. Undergrowth, very scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	S. 89° 58' E., on random line, bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.80	Intersect the N. and S. line, 12 lks. N. of the cor. of secs. 4, 5, 8, and 9.
	Thence:
	N. 89° 53' W., on true line, bet. secs. 5 and 8.
	Over rolling bottom lands of Salt Wash, through scattered short undergrowth.
13.10	Stream of alkali water, 20 lks. wide, 2 ins. deep, in wide shallow channel, flows N. 80° E.; continue across bottom lands of Salt Wash.
34.00	Leave bottom lands of Salt Wash and ascend broken SE. face of shale and clay hills, bears NE. and SW.
37.10	Shallow draw, drains SE.
39.90	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for ¼ sec. cor., with brass cap marked

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Chains	
	¼ S5/S8 1940 raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
47.20	Top of E. rim of boxed gulch, bears N. and S.
52.40	Bottom of boxed gulch, 130 ft. below rim, drains S.
56.80	Top of W. rim of boxed gulch, 120 ft. above bottom, bears N. and S.
67.30	Head of rocky gulch, drains S.
79.80	The cor. of secs. 5, 6, 7, and 8.
	Land, rolling bottom lands of Salt Wash and broken clay and shale hills. Soil, shallow clay and shale; 4th rate. Undergrowth, scattered shadscale, mountain rush, and weeds. No timber. Poor grazing land.
	West, on true line, bet. secs. 6 and 7.
	Over broken sandstone and shale hills, through scattered undergrowth.
21.60	Top of white shale and sandstone spur, 150 ft. above cor., projects S.; descend gradually.
26.00	Small boxed gulch, drains N.
38.60	On broken land.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for witness cor. to the ¼ sec. cor., secs. 6 and 7, with brass cap marked WC ¼ S6/S7 1940 raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
40.00	True point for the ¼ sec. cor. falls in bottom of boxed gulch, 150 ft. deep, drains S. 20° E., where it is impracticable to set a permanent cor.
81.00	Intersect the N. bdy. of the township, North, 1.00 chs. dist. from the cor. of secs. 1 and 12, heretofore described.
	At point of intersection; on sandstone surface rock, 130 ft. above gulch, mark a cross (+), over which:
	Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone to top, for closing cor. of secs. 6 and 7, with brass cap marked T27S | T27S S6 R8E C C S7 S1 | R9E 1940 deposit a sandstone, 12 x 9 x 8 ins., at base of post, marked X.

Chains

Land, broken shale and sandstone hills.
Soil, shallow loose sand and shale; 4th rate.
Undergrowth, scattered shadscale, mountain rush, and weeds.
No timber.
Poor grazing land.

From the cor. of secs. 5, 6, 7, and 8.

N. 0° 05' W., on random line, bet. secs. 5 and 6.

40.00 Set temp. ¼ sec. cor.

79.25 Intersect the N. bdy. of the township, 7 lks. E. of the cor. of secs. 5, 6, 31, and 32, heretofore described.

Thence:

S. 0° 08' E., on true line, bet. secs. 5 and 6.

Over broken shale and clay hills, through scattered short undergrowth.
0.30 Shallow draw, drains N.80° E.
20.80 Small boxed gulch, 100 ft. deep, drains S. 20° E.

36.30 Small boxed gulch, 150 ft. deep, drains SE.

39.25 On broken land.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, to solid rock and in a large mound of stone to top, for ¼ sec. cor., with brass cap marked

¼

S6 | S5

1940

deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.

64.30 Small boxed gulch, 160 ft. deep, drains SE.

79.25 The cor. of secs. 5, 6, 7, and 8.

Land, broken shale and sandstone hills.
Soil, shallow soil and shale; 4th rate.
Undergrowth, shadscale, mountain rush, and weeds.
No timber.
Poor grazing land.

SUBDIVISION OF SEC. 10, T. 27 S., R. 9 E.

Note: The subdivision of sec. 10 was made in order to locate coal land leases in said sec.

From the ¼ sec. cor. of secs. 10 and 15, heretofore described.

N. 0° 03' W., on true N. and S. center line sec. 10.

Over broken clay and blue shale hills, through very scattered undergrowth.

2.00 Large shallow draw, drains N. 60° E.

20.01 Point midway bet. the ¼ sec. cor. secs. 10 and 15, and the center ¼ sec. cor. sec. 10.

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Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center S. 1/16 sec. cor. sec. 10, with brass cap marked C S $\frac{1}{16}$ | S10 C 1940 deposit a sandstone, 8 x 8 x 6 ins., at base of post, marked X.
23.70	Shallow draw, drains E.
25.30	Recross draw, drains S. 20° W.
28.60	Recross draw, drains E.
37.00	Shallow draw, drains E.
40.02	Intersect the true E. and W. center line of sec. 10.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center ¼ sec. cor. sec. 10, with brass cap marked C ¼ S10 1940 deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.
46.90	Shallow draw, drains SE.
57.00	Shallow draw, drains SE.
69.50	Shallow draw, drains SE.
75.60	Shallow draw, drains S. 30° E.
80.02	The ¼ sec. cor. of secs. 3 and 10, heretofore described.
	Land, broken clay and shale hills. Soil, shallow and deep clay and shale. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.
	From the ¼ sec. cor. secs. 10 and 11.
	N. 89° 58' W., on true E. and W. center line of sec. 10.
	Over broken blue clay and shale hills, through very scattered undergrowth.
15.80	Unimproved road, bears NW. and SE.
18.30	Shallow draw, drains SE.
20.00	Point midway bet. the ¼ sec. cor. secs. 10 and 11, and the center ¼ sec. cor. sec. 10.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the center E. 1/16 sec. cor. sec. 10, with brass cap marked

SUBDIVISION OF SEC. 10, T. 27 S., R. 9 E.

Chains	
	E. $\frac{1}{16}$ C——————C S10 1940 deposit a sandstone, 10 x 10 x 6 ins., at base of post, marked X.
29.00	Shallow draw, drains S. 30° E.
31.00	Recross draw, drains NE.
40.00	The center ¼ sec. cor. sec. 10.
50.40	Draw, drains S. 30° E.
57.00	The E. point of spur from the W., thence along top of low shale spur.
65.00	Leave top of spur, projects E. from N. 80° W.
64.20	Large shallow draw, drains SE.
79.00	Recross draw, drains NE.
80.00	The ¼ sec. cor. of secs. 9 and 10, heretofore described.
	Land, broken shale and clay hills. Soil, deep shale and clay; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.

From the E. 1/16 sec. cor. secs. 10 and 15, heretofore described.

N. 0° 01' W., on true N. and S. center line of the SE. ¼ sec. 10.

Over broken blue clay and shale hills, through very scattered undergrowth.

20.01	At the intersection of the true E. and W. center line of the SE. 1/4 sec. 10. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the SE. 1/16 sec. cor. sec. 10, with brass cap marked SE $\frac{1}{16}$ S10 1940 deposit a sandstone, 10 x 8 x 6 ins., at base of post, marked X.
23.20	Large shallow draw, drains N. 80° E.
39.50	Large shallow draw, drains E.
40.02	The center E. 1/16 sec. cor. sec. 10.
	Land, broken shale and blue clay hills. Soil, deep clay and shale; 4th rate. Undergrowth, a few scattered shadscale and weeds. No timber. Poor grazing land.

SUBDIVISION OF SEC. 10, T. 27 S., R. 9 E.

Chains	
	From the S. 1/16 sec. cor. secs. 10 and 11, heretofore described.
	N. 89° 58' W., on true E. and W. center line of the SE. ¼ sec. 10.
	Over broken blue clay and shale hills, through very scattered undergrowth.
7.00.	Small shallow draw, drains N. 80° E.
20.00	The SE. 1/16 sec. cor. of sec. 10.
30.30	Large main shallow draw, drains N., 10 chains dist. to junction with large draw draining easterly.
40.00.	The center S. 1/16 sec. cor. sec. 10.
	Land, broken shale and clay hills. Soil, deep blue clay and shale; 4th rate. Undergrowth, very scattered shadscale and weeds. No timber. Poor grazing land.

GENERAL DESCRIPTION OF T. 27 S., R. 9 E.

The land within the boundaries of T. 27 S., R. 9 E., Salt Lake Meridian, Utah, consists in general of broken blue clay and shale hills and high vertical shale and sandstone rims. The highest point in the township is known as the Factory, and consists of a high sharp elongated butte which is about 1300 feet above the broken clay and shale hills and flats which are located at the base of the butte. The Factory is located in secs. 22, 23, 26, and 27, and is a very prominent land mark in this vicinity. The next highest point in the township is a sharp high sandstone point from Hank's Mesa, located in the west half of sec. 33. This point is about 850 feet high, and forms the NW. point of a large mesa in the NW. portion of T. 28 S., R. 9 E. A series of high vertical shale and sandstone rims facing westerly, bears in a southerly and northerly direction through the west portion of the township.

The soil in most portions of the township consists of a deep blue clay and shale, and may be classified as fourth rate. The soil has very little vegetable matter and contains considerable alkali.

Very little vegetation is found, and consists of a short growth of shadscale, mountain rush, and weeds, which is found mostly on the small sandy benches and slopes of the shale and sandstone rims.

The only timber found in the township is a few scattered scrub juniper in secs. 30 and 31, and has no commercial value.

The only water in the township is a stream of alkali water, 20 lks. wide, 2 ins. deep, in the bottom of Salt Wash. This stream enters the township on the west boundary of sec. 7, and flows in a northeasterly direction, leaving the township on the north boundary of sec. 4.

Numerous outcroppings of coal were found in sec. 10 and 11; and in the NE¼ of the SE¼ sec. 10, three coal mine tunnels were located. Two of these mines were abandoned, but the third was in workable condition. A graded road enters the township on the E. portion of the south boundary of sec. 36, and bears in a northerly and northwesterly direction to the coal mines. From the coal mines, the road is unimproved and in poor condition, and bears in a northerly direction, leaving the township on the east portion of the north boundary of sec. 3.

Except the coal, no indications of mineral, oil, or oil shale, were found.

GENERAL DESCRIPTION OF T. 27 S., R. 19 E.

Chains	
	No portions of the township are suitable for farming, and as it has but very little vegetation, it is a very poor grazing range for stock.
	No one was living on the township at the time of the survey, and the coal mines and road were the only improvements found.
	The mean magnetic declination was found to be 15° 30' E.

4—680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Frank Zamboni	Chainman
Wallace S. Odd	Chainman
Lewis Forrest Adams	Flagman
Marion Ollerton	Flagman
Jack Buttrey	Axman
Quentin Rust	Axman
Richard Y. Dorton	Axman
Orville Lee Ramsey	Cornerman
Robert Bringhurst	Cornerman
James Mc Gallum	Cornerman

6—8412

281

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Elliot Bird, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 23rd day of September 1939 received from the district cadastral engineer for Utah, with assignment instructions dated May 9, 1940, I have ~~surveyed~~ made a dependent resurvey of the east three miles of the south boundary; survey of the north, east, and west boundaries, and subdivision; and subdivision survey of sec. 10, T. 27 S., R. 9 E., of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah.

December 10, 1940.

Elliot Bird

Cadastral Engineer

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,

Denver, Colorado FEB 25 1944, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of the east three mi of the south boundary, survey of the north, east, and west boundaries, and subdivision, and subdivision survey of sec. 10, T. 27 S., R. 9 E.

executed by Elliot Bird, Cadastral Engineer

under special instructions dated September 23, 1940, and assignmen instructions dated May 9, 1940, having been critically examined, an the necessary corrections made prior to their certification by the engineer, the said field notes, and the surve therein described, are hereby approved.

Thomas A. Johnson

~~U.S.~~ *Supervisor of Surveys.*

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes on file in the public survey office.~~

~~U.S.~~ *Supervisor of Surveys.*

U. S. GOVERNMENT PRINTING OFFICE: 1934 6—6412

4-979
(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of Sections 1 and 2

in

Township 28 South, Range 5 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Woodrow H. Sylvester, Cadastral Surveyor

Under special instructions dated April 15, *1955*, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* July 30, *1956*

Survey commenced August 13, *1956*

Survey completed August 21, *1956*

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 28 South, *Range* 5 East

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19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16—56770-1

1386

T. 28 S., R. 5 E.

Chains

The west 3½ miles of the south boundary were surveyed by A. D. Ferron and A. Jessen in 1895 and the east 2½ miles by Elliot Bird in 1920. The west 2 miles of the south boundary were resurveyed by Elliot Bird in 1921. The south 1½ miles of the west boundary were surveyed by A. D. Ferron and A. Jessen in 1895 and resurveyed by Elliot Bird in 1921 at which time he surveyed the north 4½ miles of the west boundary. The west 4½ miles of the north boundary were surveyed by Elliot Bird in 1921 and the east 1½ miles by Elliot Bird and A. Alberga in 1939. The south 1 mile of the east boundary was surveyed by Elliot Bird in 1921.

The following field notes are those of the survey of secs. 1 and 2, T. 28 S., R. 5 E. The corners along the latitudinal section lines were established on true latitudinal curves.

The geographic position of the southeast corner of sec. 1 is as follows: Latitude 38° 23' 52" N.; Longitude 111° 18' 11" W., as determined from section line ties made to U. S. Coast and Geodetic Survey station "Starvation", located in sec. 3, T. 27 S., R. 9 E.. The mean magnetic declination was found to be 15° 45' E.

The survey was executed with a Gurley solar transit No. 41442, property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved solar attachment. The horizontal plate is provided with two double verniers placed opposite to each other and the vertical circles have one double vernier. The vertical vernier is graduated to single minutes, and the horizontal verniers to 30 seconds of arc. Since the solar attachment was not used no description of it will be included here. The instrument was in good adjustment and prior to the beginning of the field work was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The directions of the lines of the survey were determined by reference to true meridians established on line by direct observation on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

The measurements were made with steel ribbon tapes, 8 chains in length. These were graduated every link for the first chain and thereafter at intervals of 10 links. The tapes were tested by comparison to a Lufkin standard steel tape, 1 chain in length and found to be correct. The measurements were made on the slopes and the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases the measurements were determined by chaining but in some instances they were obtained by triangulation or traverse. The details of the latter were verified and the true line distances only were recorded in these field notes.

Survey of Sections 1 and 2, T. 28 S., R. 5 E.

Beginning at the true point for the cor. of secs. 1 and 12, on the east boundary of the township, from which a witness point marked by an iron post, 2½ ins. diam., set, marked, and witnessed as described in the official record, bears S. 0° 03' E., 24.20 chains dist.

Thence

West, bet. secs. 1 and 12.

Chains	
	Asc. 160 ft. over rough sandstone, on SE. slope.
2.25	Spur, projects S. 10° W.; thence desc. 140 ft. over W. slope.
4.50	Bottom of Deep Creek, drains South to 7.00 chains to junction with other canyon; thence drains N. 50° E. Survey line asc. 250 ft. over rough sandstone outcroppings on NE. slope.
17.00	Top of ascent; desc. 210 ft. over rough sandstone on NW. slope.
25.50	Deep Creek, drains N. 60° E.; thence over tip of small spur sloping S.
32.00	Deep Creek, drains S. 60° E. into bend; thence asc. 120 ft. over rough ledges on a NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 12 is inaccessible; thence asc. 40 ft. over ledges.
46.03	Point selected for witness ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap marked T28S R5E ¼ S 1 / S 12 W C 1956
	Located on a small shelf, with sheer ledge, 10 lks. N.
	Thence asc. 160 ft. over NE. slope.
50.75	Spur, projects N.; thence desc. 280 ft. over NW. slope.
58.00	Bottom of canyon, known as Water Canyon, drains N. 60° E. into Deep Creek; thence asc. 360 ft. over series of rough ledges, on SE. slope.
67.00	Top, rim bears NE. and West; thence over sandstone outcroppings on S. slope.
80.00	True point for the cor. of secs. 1, 2, 11, and 12, falls on inaccessible ledge.
	Point selected for witness cor., bears N. 76° 09' E., 2.92 chains dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone and in a mound of stone to top, with brass cap marked T28S R5E S2 | S1 S11 | S12 W C 1956
	Land, rough ledges and canyons. Soil, none. Vegetation, none.
	Beginning at the true cor. point of secs. 1, 2, 11, and 12.
	N. 0° 01' E., bet. secs. 1 and 2.
	Asc. 120 ft. over sandstone ledges on S. slope.

Survey of Sections 1 and 2, T. 28 S., R. 5 E.

Chains	
6.00	Top of ledge, bears S. 80° W. and N. 80° E.; desc. 140 ft. over rough sandstone outcroppings on NE. slope.
33.17	Point selected for witness ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap marked T28S R5E ¼ S2 ↑ S1 W C 1956 Desc. 160 ft. over rough sandstone outcroppings on N. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2, inaccessible; thence desc. 120 ft. over sandstone ledges on NW. slope.
43.00	Small canyon, drains East, 2 chs., thence NE. into Deep Creek; thence asc. 120 ft. over SE. slope.
55.00	Top of spur, projects SE.; desc. 400 ft. over NE. slope.
70.00	Bottom of Deep Creek, drains S. 30° E.; thence asc. 120 ft. over rough sandstone outcroppings on SW. slope.
74.48	The true point for the cor. of secs. 1, 2, 35, and 36, which is witnessed West, 4.43 chs. dist. by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record. Land, rough and broken. Soil, thin layer of sand in some places. Vegetation, scattered bunch grass, junipers and pinon.
	Beginning at the true cor. point of secs. 1, 2, 11, and 12. West, bet. secs. 2 and 11. Asc. 240 ft. over sandstone outcroppings on SE. slope.
9.00	Draw, drains SE. for 1 chain; thence East to SE.; asc. SE. slope.
21.00	Over sandstone outcroppings sloping SW.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone to top, with brass cap marked T28S R5E ¼ S 2 / S 11 1956 from which A pinon, 22 ins. diam., bears S. 5° W., 75 lks. dist., mkd. ¼ S11 BT. A pinon, 8 ins. diam., bears N. 3° E., 32 lks. dist., mkd. ¼ S2 BT.

Chains	
	Continue over sandstone outcroppings.
55.50	S. slope of knoll, bears N. 3 chs.; desc. 200 ft. on SW. to W. slope.
80.00	Point for the cor. of secs. 2, 3, 10, and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap marked T28S R5E S3 | S2 S10 | S11 1956
	Land, sandstone outcroppings. Soil, little sand. Vegetation, scattered bunch grass.
	N. 0° 06' W., bet. secs. 2 and 3.
	Along W. slope.
13.00	Dry wash, drains S. 5° W.; thence asc. 200 ft. over sandstone outcroppings on SE. slope.
23.00	Top of ascent; desc. 50 ft. over sandstone on NE. slope.
35.20	Point selected for witness ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone to top, with brass cap marked T28S R5E ¼ S3 ↑ S2 W C 1956
	Asc. 200 ft. over nearly vertical ledge, on S. face.
37.00	Top of ascent; thence over broken W. slope of sandstone ledges.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3, is inaccessible as it falls on W. slope of ledgy knoll.
43.00	Dry wash, drains N. 30° E.; thence over flat.
52.00	S. edge of small canyon; thence desc. 80 ft. over NW. slope.
55.00	Dry wash, drains N. 70° E.; thence asc. 90 ft. on SE. slope.
59.00	N. edge of small canyon; thence over sandstone outcroppings.
69.00	Desc. 75 ft. over rocky hill, on N. slope.
74.00	Wash, drains E.
74.32	The cor. of secs. 2, 3, 34, and 35, Ts. 27 and 28 S., R. 5 E., marked by an iron post, 2 ins. diam., set, marked and witnessed as described in the official record.

Survey of Sections 1 and 2, T. 28 S., R. 5 E.

Chains	
	Land, ledges, outcroppings and flats. Soil, sand. Vegetation, bunch grass, shadscale, juniper and pinon.

General Description

The general elevation of secs. 1 and 2 in this township range from 6200 ft. in bottom of canyons to 7200 ft. on the highest knob. Both sections fall primarily in the heart of the water pocket fold, which is the roughest terrain in this part of the country. The main canyon is known as Deep Creek and drains in a southeasterly direction. The top soil is sand which is found only on a few nearly flat places.

Vegetation is scarce, consisting of bunch grass, black brush, juniper and pinon.

There is practically no grazing on these sections due to the rough terrain.

Chains	

4-[illegible]
(Feb., 1[illegible])

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
John R. Koger	Notekeeper
La Maun Sorensen	Notekeeper
Max Ricketts	Chainman
Bill Savage	Chainman
Wayne De Lange	Flagman
Howard Christensen	Cornerman

16—[illegible] 2

291

CERTIFICATE OF CADASTRAL ENGINEER

I, Woodrow H. Sylvester, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15 day of April, I have surveyed secs. 1 and 2 in T. 28 S., R. 5 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

March 8, 1957

Woodrow H. Sylvester
Woodrow H. Sylvester,
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 20 1957, *19*

The foregoing field notes of the survey of Secs. 1 and 2, T. 28 S., R. 5 E., Salt Lake Meridian, Utah

executed by Woodrow H. Sylvester

having been critically examined and found correct, are hereby approved.

Earl G. Santwright
~~*Chief, Division of Cadastral Engineering.*~~
Cadastral Engineering Staff Office

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—53565-2

(September 1948)

292

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Resurvey of a Portion and Survey of the Remainder

of the

East Boundary of Township 28 South, Range 5 East

and the

Survey of the North and South Boundaries

and

Portion of the Subdivision

of

Township 28 South, Range 6 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Kenneth F. Hansen Cadastral Engineer

Under special instructions dated April 15, 1955, *19*....., *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* May 2, 1955, *19*.....

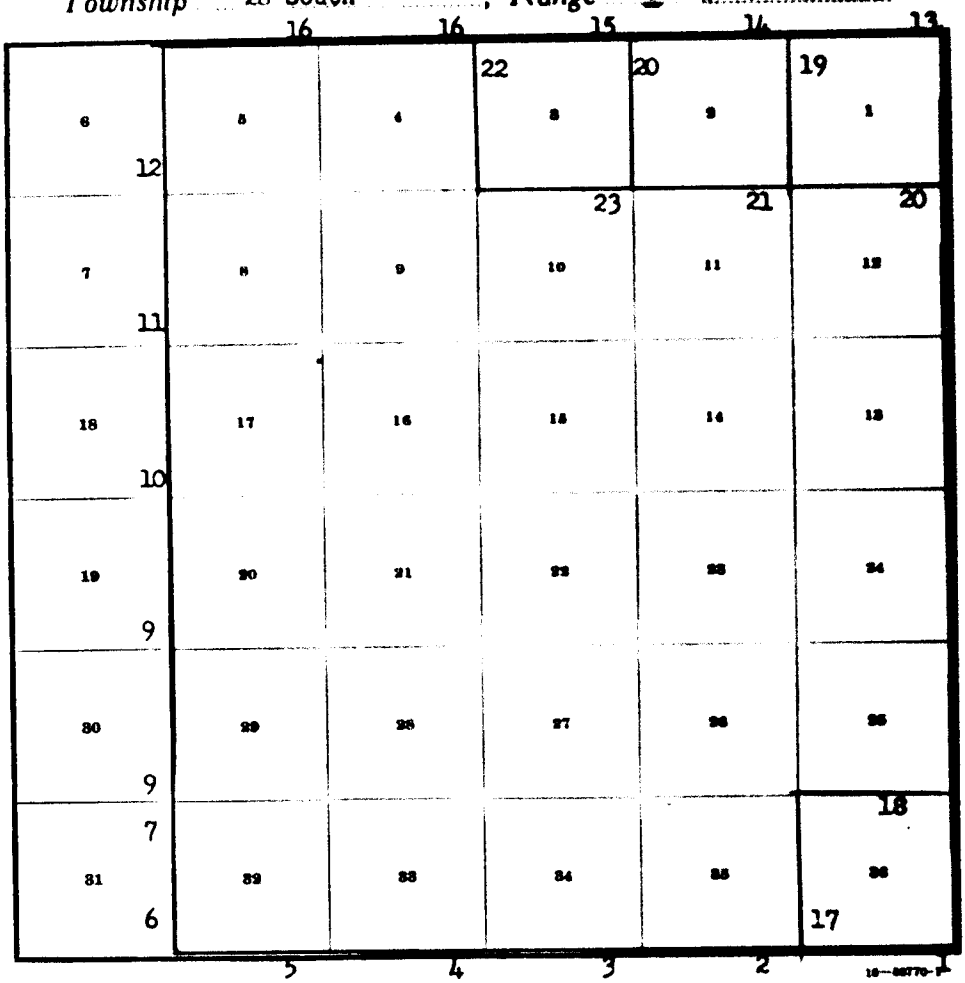
Survey commenced July 26, 1955, *19*.....

Survey completed September 20, 1955, *19*.....

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 28 South, *Range* 6 East



Township 28 South, Range 6 East

The south mile of the west boundary of T. 28 S., R. 6 E. was surveyed by Elliot Bird in 1921. The east boundary of the township was surveyed concurrently with the survey of this township and is returned in the survey of T. 28 S., R. 7 E.

The following field notes are those of a dependent resurvey of the south mile of the west boundary, and the survey of the north, south and portions of the west boundaries, and sections 1, 2, 3, and 36 of Township 28 South, Range 6 East. The third meridional line, section 16, and that portion of the boundary of the Capitol Reef National Monument within this township, were deemed unsurveyable, except at great cost of time and money, and were omitted from this survey.

The survey was made with a W.&L.E. Gurley solar transit, No. 541325. This instrument is the property of the Bureau of Land Management, and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38° 19' 27.2" N., and the longitude is 111° 12' 39.3" W., as is determined by traverse from U.S.G.S. Triangulation Station "Black" situated in section 30, T. 28 S., R. 8 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

Survey of the South Boundary, T. 28 S., R. 6 E.

From the true point for the cor. of Ts. 28 and 29 S., Rs. 6 and 7 E., whose witness cor. bears E., 0.50 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 28 S., R. 7 E.

S. 89° 49' W., along the S. bdy. of sec. 36.

Chains	
	Over very broken, rugged, near impossible terrain of stone buttes, ledges and cliffs; descend 120 ft. over a NW. broken slope of sandstone bedrock.
4.80	Wash, 80 lks. wide, 12 ft. deep, drains N. 80° E. from S. 80° W. Ascend 215 ft. over a broken, barren sandstone bedrock, general SE. slope of many ledges and small cliffs.
26.27	Top of stone ridge, bears N. 30° E. and S. 15° W.; descend abruptly 260 ft. over brink into canyon basin of the Water Pocket Fold area. This basin consists of innumerable bedrock cliffs, ridges, buttes and ledges that appear to have no conformity of slope or position.
40.00	Point for the ¼ sec. cor. of sec. 36 falls on steep NE. slope. Set an iron post, 24 ins. long, 1 in. diam., drilled 16 ins. into solid sandstone bedrock, with brass cap mkd., ¼ S36 / 1955 Descend 190 ft. over many sandstone bedrock ledges and ridges.
60.45	Base of descent; ascend 140 ft. over ledges and cliff of sandstone bedrock. Top of ridge bears in a general N. and S. direction. Triangulation Point 1; descend 50 ft. over W. slope to cor. True line topography taken from U.S.G.S. Quad. Notom 1 SW. and Notom 2 SE. Utah.
80.00	Point for the cor. of secs. 35 and 36 falls on a steep W. slope. Set an iron post, 24 ins. long, 1 in. diam., drilled 15 ins. into solid sandstone bedrock, with brass cap mkd., T28SR6E S35|S36 1955 Land, rough, broken, nearly impassable. Soil, sandstone bedrock. Timber, none. Undergrowth, very sparse shadscale.
	S. 89° 49' W., along the south boundary of Sec. 35. Over extremely rough and broken terrain of the Water Pocket Fold Formation; ascend 475 ft. over broken terrain.
9.91	Top of high, white sandstone butte at its north most edge. Triangulation point 2; ascend 50 ft. over very broken terrain.
40.00	True point for the ¼ sec. cor. of sec. 35, falls in inaccessible deep canyon.
49.83	Sandstone ridge, bears N. 20° E. and S. 20° W. Triangulation point 3. Point for the witness ¼ sec. cor. of sec. 35. Set an iron post, 24 ins. long, 1 in. diam., drilled 16 ins. into solid sandstone bedrock, with brass cap mkd., ¼ S35 → WC / 1955

Chains	
	Ascend 70 ft. over broken, nearly impassable terrain.
80.00	True point for the cor. of secs. 34 and 35 falls on very steep, barren sandstone bedrock W. slope. Land, very broken, nearly impassable. Soil, bedrock. Timber, none. Undergrowth, none.
	S. 89° 49' W., along the south boundary of sec. 34. Over highly broken terrain of ridges, buttes and cliffs of barren sandstone bedrock.
1.00	Point for the witness cor. of secs. 34 and 35, on sandstone ridge which bears in a N. and S. direction. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chiseled into bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd., T28SR6E S34 | S35 → WC T29S 1955
1.18	Top of sandstone ridge, bears N. and S. Triangulation point 4; descend 250 ft. over a broken S. to SW. boulder strewn slope.
25.76	Sandstone ridge, bears N. and S. Triangulation point 5. Distances by triangulation and corner settings are augmented by a traverse through Chimney Rock Canyon. This canyon bears generally E. and W. and is south of, running parallel to, true line. True line topography taken from U.S.G.S. quadrangle Notom 1 SW. and 2 SE. Descend abruptly 180 ft. over sandstone cliff which bears N. and S. onto boulder strewn steep S. slope.
34.04	Base of vertical rock cliff 200 ft. high, bears N. and S. 40° W. to W. Point for the witness ¼ sec. cor. of sec. 34. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chiseled into solid rock at base of cliff, and in a large mound of stone, 4 ft. base to top, with brass cap mkd., WC ¼ S34 1955
	Ascend 200 ft. over sheer rock wall.
40.00	True point for the ¼ sec. cor. of sec. 34 falls on inaccessible island butte. Continue across nearly level butte.
68.50	Descend 900 ft. over sheer red sandstone cliff, which bears N. 10° W. and S. 10° E. into deep canyon at the junction of Spring Canyon and Chimney Rock Canyon. Chimney Rock Canyon drains S. 20° E. from N. 10° W. Spring Canyon drains into Chimney Rock Canyon at this junction point from S. 80° W. Continue along the bottom of Spring Canyon, through moderate growth of tamerisk and sage brush.
74.60	Ascend 800 ft. over sheer red sandstone wall, which bears N. 85° E. and S. 85° W.

Chains	
75.00	Top of south tip of large isolated island rock [illegible] along south rim of mesa.
80.00	True point for the cor. of secs. 33 and 34 falls on inaccessible rock mesa. From true point for the cor., the witness cor. of secs. 33 and 34 bears S. 36° 00' W., 27 lks. dist. Set an iron post, 30 ins. long, 2½ ins. diam., against sheer rock wall and in a mound of stone, 3 ft. base to top, with brass cap m W C T28SR6E S33|S34 T29S 1955 This monument is set at the base of an 800 ft. high cliff, at a safe elevation in Spring Canyon. Land, severely broken. Soil, bedrock and sandy canyon bottoms. Timber, isolated pinon in canyons. Undergrowth, tamerisk, sagebrush in canyons.
	S. 89° 49' W., along the south boundary of sec. 33. Over large area of bedrock, cut and isolated by very deep canyon vertical rock walls.
15.30	Edge of canyon wall, bears N. 60° E. and S. 60° W.; descend 800 f over cliff into canyon.
17.60	Center of canyon, drains S. 60° E. from N. 60° W. for 6 chs. to junction with Spring Canyon.
2[illegible].10	Ascend 800 ft. over a sheer red sandstone cliff, bears N. 60° W. and S. 60° E. to top of isolated rock butte; continue across butt
38.40	Descend 800 ft. over vertical cliff, which bears N. 60° W. and S. 60° E. into side canyon.
39.80	Base of cliff; descend 6 ft. over broken rocky W. slope to cor.
40.00	Point for the ¼ sec. cor. of sec. 33 on W. talus slope of large stone boulders. Set an iron post, 30 ins. long, 2½ ins. diam., on solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S33 1955 Continue across sandy bottom of canyon.
48.00	Center of drainage of canyon, drains S. 65° E. from N. 65° W. 18 chs. to junction with Chimney Rock Canyon.

Survey of the South Boundary, T. 28 S., R. 6 E.

chains	
59.00	Base of canyon wall, bears N. 70° W. and S. 70° E.; ascend 800 ft. over red sandstone cliff.
63.80	Top of isolated stone butte; continue across nearly level top.
75.60	Descend 650 ft. over sheer red sandstone cliff, which bears N. 70° W. and S. 70° E. for 11.0 chs. thence S. 20° E. into side canyon.
80.00	Point for the cor. of secs. 32 and 33, on steep W. talus slope.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T28SR6E S32|S33 T29S 1955
	Land, broken. Soil, bedrock and sand. Timber, scattered pinon and juniper in canyon. Undergrowth, tamerisk, sagebrush and range grass in canyons.
	S. 89° 49' W., along the south boundary of sec. 32.
	Over deep canyons and high isolated sandstone buttes and plateaus.
	Descend 40 ft. over W. rocky talus slope.
3.30	Center of canyon drainage, drains S. 70° E. from N. 70° W. for 11.0 chs., thence S. 10° E. 24 chs. to junction with Spring Canyon; ascend 80 ft. over a NE. slope.
12.80	Top of spur of talus slope of S. rim of canyon, projects 2 chs. N. 10° E. Descend 70 ft. over a NW. slope.
20.40	Center of canyon drainage, drains N. 35° E. on curve to east from S. 40° W. 2 chs. to Box head of canyon.
23.70	Base of sandstone cliff, bears N. and S. Ascend 500 ft. over a series of high sheer cliffs.
28.25	Rim of canyon and SE. tip of Meeks Mesa; ascend 320 ft. over broken E. slope of sandstone bedrock.
39.30	Small sandstone ridge; triangulation point 8.
40.00	Point for the ¼ sec. cor. of sec. 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S32 1955
	Continue ascent of 100 ft. over E. slope of broken sandstone bedrock. Enter scattered timber.
50.20	Top most sandstone ridge, bears N. and S. Descend 240 ft. over a broken SW. slope.
64.50	Rim of cliff, bears N. 20° W. and S. 20° E.; descend 400 ft. over red sandstone cliff.

Survey of the South Boundary, T. 28 S., R. 6 E.

chains

65.00 Base of cliff; descend 90 ft. over a steep boulder stream SW. slop

66.90 Hillside drainage, drains S. 20° W. from N. 10° E. to its head at base of cliff; ascend 90 ft. over a rocky SE. slope.

72.67 The monument originally set for the cor. of Tps. 28 and 29 S., Rs. and 6 E., an iron post, 2 ins. in diam., extending 30 ins. above ground in a small mound of stone, is badly rusted and is bent. I replaced this monument with an iron post, 30 ins. long, 2½ ins. di set 4 ins. in the ground to solid rock and in a mound of stone, 3 base to top, with brass cap mkd.

T28SR6E

S32

S1 | S6

1955

thence West between secs. 1 and 32, beginning new measurement.

Ascend 400 ft. over a red sandstone cliff, which bears N. 30° E. a S. 30° W.

1.45 Top of cliff; continue across south tip of Meeks Mesa.

6.30 East edge of a deep crevice in sandstone bedrock, drains S. 10° E. over cliff; descend 200 ft. over SW. slope of bedrock.

6.70 Base of descent; ascend 200 ft. over SE. slope to cor.

7.59 True point for the cor. of Tps. 28 S., Rs. 5 and 6 E. falls on steep, sandstone bedrock slope. Impossible to monument corner.

From this point, the witness corner bears S. 4 chs. distant, mkd. by an iron post, 2 ins. in diam., set in a large mound of stone at base of sandstone cliff, 600 ft. below elevation of true point, mkd. and witnessed as described in the official record. I remarke this monument to read,

T28S

R5E | R6E

S36 | S32

S1

T28SR5E

1955

1921

Land, broken.
Soil, sand and bedrock.
Timber, scattered pinon and juniper trees.
Undergrowth, greasewood, rabbit brush and range grass.

Dependent Resurvey, Portion of the
East Boundary, T. 28 S., R. 5 E.

Reestablishment of the Survey executed by
Elliot Bird in 1921.

From the true point for the cor. of T. 28 S., Rs. 5 and 6 E.

N. 0° 07' E., along the E. boundary of sec. 36.

Across east portion of Meeks Mesa, through a heavy growth of juniper and pinon trees; ascend 30 ft. over a steep bedrock SE. slope.

Chains	
2.38	Top of bench; ascend 120 ft. over a gradual, partially broken S. slope of bedrock, with patches of shallow sandy soil, and through heavy timber growth.
40.00	Point for the ¼ sec. cor. of sec. 32 only, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S32 1955 from which, A pinon, 12 ins. diam., bears S. 30° E. 40 lks. dist., mkd. ¼ S32 BT. A pinon, 8 ins. diam., bears S. 36° E. 68 lks. dist., mkd. ¼ S32 BT.
40.83	The ¼ sec. cor. of secs. 31 and 36, monumented by a 1 in. iron post, extending 30 ins. above ground, and in a mound of stone, set, mkd., and witnessed as described in the official record. I remarked this post to read. ¼ S31 1955 1921
	North, beginning new measurement. Ascend 10 ft. over a S. slope.
3.29	Ridge, bears E. and W., on broken top of Meeks Mesa; descend 15 ft. over a gradual NE. slope.
10.63	Rim of gulch, descend 115 ft. over a N. slope of a broken series of small ridges and ledges.
18.12	Wash, 30 lks. wide, 8 ft. deep, cut into bedrock, drains S. 65° E. from N. 65° W.; ascend 110 ft. over a SE. slope of broken sandstone ridges and ledges.
33.16	Top of ridge, bears N. 70° W. and S. 70° E. Leave timber.
37.15	Top most rim of Spring Canyon; descend abruptly 40 ft. of broken N. slope to cor.
39.17	Point for the cor. of secs. 29 and 32, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd., T28S R5E | R6E S36 | S29 | S32 1955 Descend 15 ft. over broken N. slope to cor.

Chains	
39.99	The cor. of secs. 25, 30, 31 and 36, monumented by a 2 ins. iron post, set in a mound of stone, banked against a ledge which faces N. set, mkd. and witnessed as described in the official record. I remarked this post to read: T28S R5E | R6E S25 | S29 S36 | 1955 1921 Land, broken, sandstone bench terrain. Soil, bedrock and sand. Timber, pinon and juniper trees. Undergrowth, sparse greasewood and range grass.
	Survey of a Portion of the East Boundary, T. 28 S., R. 5 E. and monumenting the cors. of T. 28 S., R. 6 E.
	N. 0° 03' W., along the East boundary of sec. 25. Over severely broken sandstone bedrock, cut by deep gorges and impassable canyons. Descend 160 ft. over broken N. slope, over a series of small ledges.
9.40	Rim of canyon, bears E. and W. Descend abruptly 180 ft. over face of cliff, and then descend 120 ft. over broken rocky N. slope.
14.09	Wash, 12 lks. wide, 4 ft. deep, cut into sandstone bedrock, drains N. 70° E. 16 chs. to Chimney Rock Canyon; ascend 300 ft. over a general SE. slope of broken rocky terrain with several 40 ft. cliffs
23.60	Top of rock spur, projects E. Descend 550 ft. over NE. slope of many impassable cliffs, broken ledges and ridges into Spring Canyon.
39.18	Point for the ¼ sec. cor. of sec. 29, T. 28 S., R. 6 E. falls on inaccessible ledges. Did not monument.
40.00	Point for the ¼ sec. cor. of sec. 25, T. 28 S., R. 5 E. falls on inaccessible ledges. Did not monument.
47.30	Spring Canyon, drains S. 50° E. from N. 50° W.; ascend 580 ft. over sheer sandstone canyon wall.
55.96	NE. rim of Chimney Rock Canyon, bears S. 40° E. and N. 40° W.; ascend 40 ft. along a W. to SW. slope to cor.
79.18	Point for the cor. of secs. 20 and 29, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., T28S R5E | R6E S20 S25 | S29 1955
80.00	Point for the cor. of secs. 24 and 25, T. 28 S., R. 5 E. Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,

chains	
	T28S R5E | R6E S24/S25 | S20 1955
	Land, extremely broken. Soil, bedrock and sand. Timber, scattered pinon and juniper trees. Undergrowth, tamerisk, sage brush and range grass in Spring Canyon.
	N. 0° 03' W., along the east boundary of sec. 24.
	Over broken sandstone bedrock of the Water Pocket Fold Formation.
	Ascend 200 ft. over a series of broken sandstone ledges and a general S. slope.
16.10	Sandstone spur, projects SW. 8 chs. Descend 105 ft. over a NW. slope.
26.60	Small drainage, drains S. 30° W. from N. 30° E.; ascend 240 ft. over a steep S. to SE. slope consisting of many ridges and broken ledges to cor.
39.18	Point for the ¼ sec. cor. of sec. 20, T. 28 S., R. 6 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd., | ¼ | S20 1955
40.00	Point for the ¼ sec. cor. of sec. 24, T. 28 S., R. 5 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ | S24 | 1955
	Continue ascent of 40 ft. over a S. slope.
42.30	Top of ascent; descend 160 ft. over a broken gradual NE. slope.
54.90	Wash, 40 lks. wide, 18 ft. deep in bedrock, drains S. 70° E. from N. 60° W. Ascend 170 ft. over a steep broken S. slope.
63.20	Top of sandstone bench; continue across top of bench.
76.70	Descend 140 ft. over a steep, broken N. slope.
79.18	Point for the cor. of secs. 17 and 20, T. 28 S., R. 6 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in sand to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., T28S R5E | R6E S24 | S17/S20 1955

Survey of a Portion of East boundary, T. 28 S., R. 5 E.

chains	
80.00	Point for the cor. of secs. 13 and 24, T. 28 S., R. 5 E. Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., T28S R5E | R6E S13 / S24 | S17 1955 Land, severely broken bedrock. Soil, sandstone bedrock and sand. Timber, scattered pinon and juniper trees. Undergrowth, shadscale and rabbit brush.
	N. 0° 03' W., along the east boundary of sec. 13. Over broken bedrock terrain of the Water Pocket Fold Formations. Ascend 40 ft. over a gradual S. slope.
10.30	Ridge, bears S. 40° E. and N. 40° W. Descend 280 ft. over a rough, broken N. to NW. slope.
37.75	Wash, 60 lks. wide, 13 ft. deep in bedrock, drains N. 35° E. from S. 45° W. Ascend 30 ft. along an E. slope.
39.05	Top of spur, projects N. 45° E. Descend 6 ft. over NE. slope to cor.
39.18	Point for the ¼ sec. cor. of sec. 17, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S17 1955
40.00	Point for the ¼ sec. cor. of sec. 13, T. 28 S., R. 5 E. Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock and in a mound of stone, 4 ft. base to top, with brass cap mkd., ¼ S13 1955 Descend 60 ft. over broken N. slope.
43.69	Wash, 12 lks. wide, 5 ft. deep in bedrock, drains N. 65° E. from S. 65° W. Ascend 80 ft. over a SE. slope of bedrock.
54.10	Top of ascent; descend 90 ft. over a steep broken, NE. to N. slope of sandstone bedrock.
56.18	Wash, 27 lks. wide, 13 ft. deep in bedrock, drains S. 80° E. from S. 80° W. Ascend 120 ft. over a broken S. slope.
65.83	Base of white sandstone butte; ascend 90 ft. over a steep SW. slope over a very steep, smooth NW. slope of white sandstone.
70.65	Descend 150 ft. over a N. slope of broken sandstone, with many small cliffs and ledges to cor.

Survey of a Portion of the East Boundary, T. 28 S., R. 5 E.

Chains	
79.18	Point for the cor. of secs. 8 and 17, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., on solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd., T28S R5E | R6E S 8 S13 | S17 1955
80.00	Point for the cor. of secs. 12 and 13, T. 28 S., R. 5 E. Set an iron post, 30 ins. long, 2½ ins. diam., on solid rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., T28S R5E | R6E S12 | S 8 S13 1955 Land, rough and broken. Soil, sandstone bedrock and sand. Timber, very scattered pinon and juniper. Undergrowth, sparse shadscale.
	N. 0° 03' W., along the east boundary of sec. 12, T. 28 S., R. 5 E. Over broken bedrock terrain of the Water Pocket Fold Formation. Descend 120 ft. over a broken N. slope.
9.28	Wash, 20 lks. wide, 4 ft. deep, drains N. 50° E. from S. 50° W. Ascend 140 ft. over a broken SW. slope of sandstone ridges and ledges.
19.67	Top of saddle between two white sandstone buttes; descend 90 ft. over a N. to general W. slope of barren, broken sandstone bedrock to cor.
39.18	Point for the ¼ sec. cor. of sec. 8, T. 28 S., R. 6 E. Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone bedrock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S8 1955
40.00	Point for the ¼ sec. cor. of sec. 12, T. 28 S., R. 5 E. Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S12 1955 Continue across a W. slope of barren sandstone bedrock.

Chains	
46.30	Descend 80 ft. over a NW. sandy slope covered with a moderate grow of dwarf pinon trees.
54.98	A safe place for the Witness Point to cor. of secs. 5 and 8, T. 28 S., R. 6 E. (No safe point on line for a witness cor. within 10 chs. of true cor. position.) Set an iron post, 30 ins. long, 2½ ins. diam., on rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd., WP T28S R5E | R6E | S 8 1955
55.80	A safe place for the Witness Point to cor. of secs. 1 and 12, T. 2 S., R. 5 E. (No safe point on line for a witness cor. within 10 chs. of true cor. position.) Set an iron post, 30 ins. long, 2½ ins. diam., on bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd., WP T28S R5E | R6E S12 | 1955
55.88	Triangulation point.
56.37	South rim of canyon, bears N. 45° E. and S. 45° W. Descend 450 ft. over face of vertical rock wall into Deep Creek Canyon.
67.58	Base of cliff; continue across sandy bottom of Deep Creek Canyon.
75.10	Deep Creek, 300 ft. wide, 6 ft. deep, drains N. 40° E. from S. 40° W.; continue across sandy bottom land.
79.18	True point for the cor. of secs. 6 and 8, T. 28 S., R. 6 E. falls under high water mark in canyon.
80.00	True point for the cor. of secs. 1 and 12, T. 28 S., R. 5 E. falls under high water mark in canyon. Land, broken. Soil, sand and bedrock. Timber, small patches of dwarf pinon. Undergrowth, sparse rabbit brush in canyon.
	N. 0° 03' W., along the east boundary of sec. 1, T. 28 S., R. 5 E. Over severely broken terrain; continue across sandy bottom of canyo
3.45	Base of rocky wall, bears N. 50° E. and S. 50° W. Ascend abruptly 430 ft. over sheer face of wall.
6.00	South rim of isolated rock butte; continue across nearly level bedrock top.
22.00	North rim of butte, bears in general E. and W. direction; descend 430 ft. over face of rock wall into a draw.

Survey of a Portion of the East Boundary, T. 28 S., R. 5 E.

Chains	
25.10	Base of cliff; continue across sandy bottom land.
27.30	Draw (intermittent stream), 200 lks. wide, 4 ft. deep, drains S. 70° E. from N. 70° W. to junction with Deep Creek, 35 chs. dist.; continue across sandy bottom land.
34.60	Base of cliffs, bears S. 60° E. and S. 75° W. Ascend abruptly 450 ft. over a series of impassable rock walls to rim of canyon.
39.18	True point for the ¼ sec. cor. of sec. 5, T. 28 S., R. 6 E. falls on inaccessible cliffs.
40.00	True point for the ¼ sec. cor. of sec. 1, T. 28 S., R. 5 E. falls on inaccessible cliffs.
41.82	Point for the witness ¼ sec. cor. of secs. 1 and 5, Ts. 28 S., Rs. 5 and 6 E. on a shelf, 60 ft. below north rim of Deep Canyon. Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock, and in a large mound of stone, 4½ ft. base to top, with brass cap mkd., ¼ S1 | S5 ↓ 1955 WC Ascend 60 ft. over a steep S. slope.
45.40	North rim of canyon, and Triangulation Point 2, bears S. 65° E. and S. 75° W. Descend 160 ft. over a NE. slope through moderate timber growth.
70.45	Wash, 10 lks. wide, 6 ft. deep, drains N. 15° E. from S. 15° W. Continue descent of 80 ft. over NE. slope.
74.39	The cor. originally mkd. for the cor . of secs. 1, 6, 31 and 36, Ts. 27 and 28 E., Rs. 5 and 6 E. monumented with a 3 in. iron post, extending 24 ins. above the ground, and in a large mound of stone, set, mkd. and witnessed as described in the official record. I remarked this iron post to read: T27S R5E | T28S S36 / S 1 | S5 T28S | R6E AM 1955 1939 Land, broken. Soil, sandy. Timber, pinon and juniper trees. Undergrowth, rabbit brush and sparse range grass.

Survey of the North Boundary, T. 28 S., R. 6 E.

From the cor. of secs. 1, 6, 31 and 36, Ts. 27 and 28 S., Rs. 6 and 7 E., set, mkd. and witnessed as described in the field notes of T. 28 S., R. 7 E.

West, between secs. 1 and 36.

Over partially broken terrain at base of cliff, which bears N. 70° W. almost parallel with true line direction.

Chains	
	Ascend 60 ft. over a S. to SE. red and white clay slope.
4.49	Top of ascent; descend 30 ft. over a SW. to S. clay slope.
12.38	Descend 120 ft. over a series of small cliffs and ledges which bear N. 80° W. and S. 80° E.
20.18	Base of cliffs; ascend 35 ft. over a SE. slope of rolling land covered with various sizes of trachyte rocks.
32.06	Top of ascent; descend 45 ft. over a rolling SW. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the groun with brass cap mkd.,
	¼ S36 / S 1 1955
	Raise a mound of stone, 4 ft. base, 40 ins. high, N. of cor.
	Ascend 60 ft. over a rolling, partially broken SE. slope covered with many trachyte boulders.
45.01	Top of ascent; descend 50 ft. over a gradual rolling SW. slope.
61.38	Base of descent; ascend 45 ft. over a rolling SE. slope.
76.24	Top of ascent; descend 50 ft. over a steep SW. to W. slope to cor.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock and in a large mound of stone, 4 ft. base to top, with brass cap mkd.,
	T27SR6E S35 | S36 S 2 | S. 1 T28S 1955
	Land, rolling, partially broken. Soil, clay. Timber, none. Undergrowth, shadscale and sparse rabbit brush.
	West, between secs. 2 and 35.
	Over rolling desert terrain.
7.30	Ascend 110 ft. over a gradual rolling SE. slope.
30.67	Top of ascent; descend 115 ft. over a rolling partially broken SW. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the groun with brass cap mkd.,
	¼ S35 / S 2 1955

North Boundary, T. 28 S., R. 6 E.

Chains	
	Raise a mound of stone, 3 ft. base, 30 ins. high, N. of cor.
	Continue across rolling desert plain, through moderate growth of rabbit brush and desert sage.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	T27SR6E S34 | S35 S 3 | S 2 T28S 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.
	Land, rolling desert plain. Soil, clay to sand. Timber, none. Undergrowth, rabbit brush, desert sage and range grass.
	West, between secs. 3 and 34.
	Over sandy bottom land.
14.12	Wash, 30 lks. wide, 5 ft. deep, drains S. 15° E. from N. Continue across sand knolls.
26.96	Polk Creek, 200 lks. wide, 12 ft. deep, drains S. 30° E. from N. 30° W. to junction with Deep Creek, 15 chs. dist. Small stream of highly alkaline water flows in center of creek bed; ascend 20 ft. over a rolling sandy knoll to cor.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground with brass cap mkd.,
	¼ S34 / S 3 1955
	Raise a mound of stone, 3½ ft. base, 24 ins. high, N. of cor.
	Continue across flat desert plain.
56.00	Ascend 190 ft. over an E. to SE. sandy clay slope to cor.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	T27SR6E S33 | S34 S 4 | S 3 T28S 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.
	Land, desert plain with hills in extreme W. portion. Soil, sand to sandy clay. Timber, none. Undergrowth, shadscale, rabbit brush, desert sage and range grass.

Chains	
	West, between secs. 4 and 33.
	Over rolling, partially broken terrain.
	Ascend 80 ft. over a rolling SE. slope.
9.10	Base of cliff, bears N. 75° E. and S. 85° E. Ascend abruptly 120 f over face of brown sandstone cliff.
10.40	Rim of cliff; continue across extreme south tip of elevated bench.
17.70	Rim of cliff, bears S. 85° E. and N. 80° W. Descend abruptly 155 f over face of cliff.
19.95	Base of cliff, descend 25 ft. over a S. to SW. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 27 ins. in the groun with brass cap mkd., ¼ S33 / S 4 1955 Raise a mound of stone, 2½ ft. base, 24 ins. high, N. of cor.
	Continue across S. slope of rolling clay knolls.
53.70	East rim of canyon, bears in general S. 40° E. and N. 40° W. direction. Descend 120 ft. over a series of ledges and small cliffs.
60.20	Junction of washes from W. and N. 40° W. draining SE. to intersecti with Deep Creek, 30 chs. distant; ascend along wash bottom.
66.00	Leave wash, draining from SW. Ascend 160 ft. over broken E. slope of rim.
68.30	West rim of canyon, bears generally NE. and SW. Ascend 65 ft. over a broken E. slope to cor.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the groun to solid rock and in a mound of stone, 4 ft. base to top, with bras cap mkd., T27SR6E S32 | S33 / S 5 | S 4 T28S 1955
	Land, broken. Soil, clay and sand. Timber, scattered pinon and juniper trees. Undergrowth, shadscale and desert sage.
	West, between secs. 5 and 32.
	Over partially broken terrain. Ascend 280 ft. over a constant NE. slope.

North Boundary, T. 28 S., R. 6 E.

chains	
6.30	Enter heavy timber growth.
29.20	Rim of bench, bears N. 16° W. and S. 10° E. End of Timber; descend 230 ft. over a steep SW. to W. slope.
38.60	Wash at base of slope, 20 lks. wide, 4 ft. deep, drains N. 20° W. from S. 20° E.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	¼ S32 / S5
	1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, N. of cor.
	Ascend 20 ft. over rolling, highly eroded clay hills.
44.81	Wash, 12 lks. wide, 3 ft. deep, drains N. 30° E. from S. 30° W. Ascend 50 ft. over rolling clay hills.
58.57	Wash, 16 lks. wide, 2 ft. deep, drains N. 40° E. from S. 40° W. Ascend 30 ft. across a rolling NE. to N. slope.
60.16	Wash, 40 lks. wide, 12 ft. deep, drains N. 40° E. from S. 40° W. Ascend 50 ft. over an E. slope.
75.22	Wash, 60 lks. wide, 10 ft. deep, drains N. 45° E. from S. 45° W. Ascend 20 ft. over a SE. slope to cor.
79.92	Intersect the East boundary of T. 27 S., R. 5 E. at a point 4.94 chs. N. of the cor. of Tps. 27 and 28 S., R. 5 E.
	Point for the closing cor. of Tps. 27 and 28 S., R. 6 E. on the east boundary of T. 27 S., R. 5 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd.,
	T27S | T27S R6E S36 | S32 CC S5 R5E | T28S
	1955
	Land, rolling to partially broken. Soil, clay. Timber; scattered pinon and juniper trees. Undergrowth; shadscale, rabbit brush and range grass.

Portions of the Subdivision

From the cor. of Secs. 35 and 36 only, on the south boundary of the township.

N. 0° 01' W., between 35 and 36.

Over almost impassable broken terrain of the Water Pocket Fold Formation. It was necessary to establish true cor. point by Triangulation and supplementary traverse methods. True line topographic features was taken from U.S.G.S. "Notom 1 SW. Quadrangle".

chains

Descend 240 ft. over a steep W. to NW. to N. slope.

19.60 Wash, 90 lks. wide, 12 ft. deep, drains N. 80° E. from S. 75° W. Ascend 250 ft. over a broken SE. to S. slope of small cliffs and ledges to cor.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a large mound of stone, 5 ft. base to top, with brass cap mkd.,

¼
S35 | S36

1955

Continue ascent of 60 ft. over a barren rock SE. slope.

46.00 Top of ascent; descend 120 ft. over a steep, broken NE. slope.

54.50 Ascend 90 ft. over a steep SE. slope over barren sandstone rock.

60.40 Top of white sandstone butte; descend 110 ft. over a N. to NE. slope to cor.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in sand to bedrock and in a mound of stone; 4 ft. base to top, with brass cap mkd.,

T28SR6E
S26 | S25
S35 | S36

1955

Land, severely broken.
Soil, bedrock and patches of sand.
Timber, none.
Undergrowth, sparce shadscale.

From the cor. of secs. 25, 30, 31 and 36. on the east boundary of the township.

S. 89° 50' W., between secs. 25 and 36.

Over severely broken terrain of the Water Pocket Fold Formation.

Ascend 50 ft. over a NE. slope of shale rock.

11.82 Wash, 15 lks. wide, 4 ft. deep, drains N. 50° E. from S. 50° W. Continue ascent of 80 ft. over a general E. slope.

16.60 Top of ascent; descend 120 ft. over a broken NW. slope of shale ledges.

22.12 Wash, 100 lks. wide, 60 ft. vertical rock walls, drains N. 65° E. from S. 70° W. Ascend 240 ft. over a SE. to E. slope.

39.63 Point for the witness ¼ sec. cor. of secs. 25, and 36 on small rock shelf.

Set an iron post, 30 ins. long, 2½ ins. diam., on top of bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,

chains	
	WC¼ ← S25/S36 1955
	Continue abruptly descending 60 ft. over rock ledges and cliffs, which bear N. 75° E. and S. 80° W.
40.05	True point for the ¼ sec. cor. of secs. 25 and 36 falls on face of cliff
41.90	Base of cliff and head of wash, drains N. 60° E. from base of cliff; ascend 90 ft. over face of ledges and small cliffs.
43.85	Top of cliff, bears S. 80° E. and N. 60° W. Continue across barren sandstone bedrock.
47.13	Rim of canyon, bears N. 20° E. and S. 30° W. Descend 200 ft. over a series of broken ledges and cliffs.
51.30	Wash, 30 lks. wide, in bedrock, drains N. from S. Ascend 200 ft. over broken ledges and cliffs.
53.90	Rim of canyon, bears N. 10° W. and S. 10° E. Ascend 160 ft. over a NE. slope of barren white sandstone.
56.20	Top of spur of white sandstone butte, projects N. 5 chs. from top of butte 3.5 chs. S.; descend 320 ft. over a NW. to W. slope of sandstone.
61.20	Base of descent; continue across barren sandstone.
69.10	Ascend 120 ft. over barren broken sandstone bedrock to cor.
80.10	The cor. of secs. 25, 26, 35 and 36.
	Land, broken. Soil, shale, sandstone bedrock and sand. Timber, none. Undergrowth, rabbit brush and shadscale.
	From the cor. of secs. 1, 2, 35 and 36. on the north boundary of the township.
	S. 0° 01' E., between secs. 1 and 2.
	Over desert valley terrain; descend 30 ft. over a steep S. slope.
1.90	Wash, 30 lks. wide, 4 ft. deep, drains S. 60° E. from N. 80° W. Descend 50 ft. over a general SE. slope of rolling desert terrain of sand knolls.
36.61	Base of hill; ascend 40 ft. over a rocky NE. slope to cor.
39.09	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., ¼ S2 | S1 1955
	Continue ascent of 95 ft. over a rocky NE. slope of hill.
48.37	Top of hill. Long axis of hill bears N. 40° W. and S. 40° E.; descend 145 ft. over a steep SW. slope.

chains	
55.38	North edge of open flat, covered with heavy growth of desert sage. continue across level terrain to cor.
79.09	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	T28SR6E S2 | S1 S11 | S12 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, rolling. Soil, sandy. Timber, none. Undergrowth, shadscale, rabbit brush and desert sage.
	From the cor. of secs. 1, 6, 7 and 12 on the east boundary of the township.
	S. 89° 48' W., between secs. 1 and 12.
	Descend 205 ft. over almost vertical, W. slope of red and white clay.
3.88	Base of steep slope; descend 60 ft. over rolling open desert terrain.
32.00	Wash, 60 lks. wide, 4 ft. deep, drains S. from N.; continue across rolling terrain.
39.99	Point for the ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground with brass cap mkd.,
	¼ S1 S12 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, N. of cor.
	continue across open desert terrain.
65.74	South Desert Wash, 90 lks. wide, 12 ft. deep, drains S. 40° E. from N. 60° W. on curve of meandering course. Continue across bottom land of sand knolls and heavy undergrowth of desert sage.
72.60	South Desert Wash, 90 lks. wide, 12 ft. deep, drains N. 30° E. from S. 50° W. Continue across open bottom land.
79.98	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling. Soil, sandy. Timber, none. Undergrowth, rabbit brush and desert sage.
	From the cor. of secs. 2, 3, 34 and 35, on the north boundary of the township.
	S. 0° 01' E., between secs. 2 and 3.
	Across rolling desert terrain.

Chains	
18.65	Descend 30 ft. over a S. slope of rolling sand knolls.
20.95	South Desert Wash, 80 lks. wide, 8 ft. deep, drains S. 80° E. from N. 70° W. on a very meandering course; continue across sandy knolls and heavy undergrowth.
28.60	Ascend 100 ft. over a steep NE. rocky slope.
34.48	Top of clay hill; descend 95 ft. over a steep SW. slope.
39.35	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S3 | S2 1955
	Continue across rolling terrain.
47.94	Wash, 30 lks. wide, 20 ft. high earth banks; drains N. 75° E. from S. 60° W. Ascend 105 ft. over a general NE. slope of a series of clay hills and gullys.
70.35	Wash, 40 lks. wide, 12 ft. deep, drains N. 60° E. from S. 60° W. Ascend 130 ft. over a steep, rocky NE. to N. slope.
74.99	Top of hill; axis bears in general E. and W. direction; descend 200 ft. over a broken clay S. slope of ledges into basin.
79.35	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T28SR6E S 3 | S 2 S10 | S11 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, rolling to partially broken. Soil, sand and clay. Timber, none. Undergrowth, desert sage and shadscale.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 49' W., between secs. 2 and 11.
	Over rolling terrain, across small sand knolls.
5.96	South Desert Wash, 90 lks. wide, 10 ft. deep, drains S. 60° E. from N. 40° W. Continue across sandy bottom land.
21.86	Ascend 105 ft. over a steep NE. slope of clay hills.
29.71	Top of slope; continue across rolling, highly eroded clay hills to cor.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 28 ins. in the ground with brass cap mkd., $\frac{1}{4}$ S 2 / S11 1955 Raise a mound of stone, 2 ft. base, 14 ins. high, N. of cor. Ascend 75 ft. over a general NE. slope of rolling white clay hills.
57.60	Top of ascent; descend 40 ft. over a rolling, partially broken W. slope.
70.67	Wash, 40 lks. wide, 35 ft. nearly vertical earth banks, drains N. 60° E. from S. 75° W. Ascend 30 ft. over a broken shale SE. slope.
74.10	Top of spur, projects S. 10° E. 3 chs. distant to banks of wash; descend 30 ft. over SW. slope.
78.60	Rim of wash, bears S. 80° E. and N. 80° W.; descend abruptly 35 ft. into channel of wash.
78.70	North edge of wash channel; continue along north edge of wash channel to cor.
80.00	The cor. of secs. 2, 3, 10 and 11. Land, rolling. Soil, sandy clay to clay. Timber, none. Undergrowth, rabbit brush, tamerisk, range grass and shadscale.
	From the cor. of secs. 3, 4, 33 and 34 on the north boundary of the township. S. 0° 02' E., between secs. 3 and 4. Over rolling partially broken terrain; descend 30 ft. over a gradual S. slope.
8.00	Base of descent; ascend 55 ft. over a NE. slope.
18.51	North rim of Deep Creek, bears generally E. and W.; descend 180 ft. over broken shale and sandstone ledges, small cliffs and steep S. slopes to bottom.
20.51	Deep Creek, 100 lks. wide, channel, 12 ft. deep, drains E. from W. Ascend 185 ft. over a steep, partially broken N. to NE. slope to cor.
39.62	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd., $\frac{1}{4}$ S4 | S3 1955 Raise a mound of stone, 3 ft. base, 16 ins. high, W. of cor. Ascend 45 ft. over broken NE. slope of ledges.

Chains	
41.94	Top of ridges, bears N. 75° W. and S. 75° E.; descend 100 ft. over a broken series of small shale cliffs and ledges and SW. slope.
48.98	Base of descent; ascend 230 ft. over a broken N. slope.
74.48	Top of ascent; descend 115 ft. over a broken SE. slope.
78.85	Wash, 20 lks. wide, 4 ft. deep, drains N. 50° E. from S. 50° W. Ascend 15 ft. over a NW. slope.
79.62	Point for the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd., T28SR6E S 4 | S 3 S 9 | S10 1955 Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor. Land, broken. Soil, clay and shale. Timber, none. Undergrowth, shadscale.
	From the cor. of secs. 2, 3, 10 and 11. S. 89° 50' W., between secs. 3 and 10. Over highly eroded, broken terrain of clay hills and steep-banked gullys.
0.40	Ascend abruptly 40 ft. over vertical bank of wash.
0.60	North rim of wash, bears S. 60° W. and N. 80° E. Ascend 120 ft. over a broken SE. slope.
28.10	Top of ridge, bears N. 40° E. and S. 40° W. Descend 80 ft. over a steep broken NW. slope.
30.70	Wash, 20 lks. wide, 6 ft. deep; drains N. 65° E. from S. 65° W. Ascend 60 ft. over a SE. to E. shale slope to cor.
40.02	Point for the ¼ sec. cor. of secs. 3 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid gypsum rock and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S 3 / S10 1955 Ascend 200 ft. over a broken NE. slope.
72.60	Top of ascent; descend 120 ft. over a steep broken NW. slope to cor.
80.04	The cor. of secs. 3, 4, 9 and 10. Land, broken. Soil, shale and clay. Timber, none. Undergrowth, shadscale.

General Description

Township 28 South, Range 6 East lies almost entirely in the rugged and severely broken Water Pocket Fold geologic structure of the Capitol Reef. The towering, vertical cliffs of the Windgate Sandstone Formation, capped by the softer, highly eroded, odd shaped Navaho Formation, produce an inspiringly beautiful, but extremely difficult and barren terrain. The south boundary of this township forms the greater portion of the north boundary of the Capitol Reef National Monument.

Two very large drainage systems, originating in the neighboring 11,000 ft. high Thousand Lake Mountain, cut deep canyons through the township. Chimney Rock Canyon enters the township on the west boundary of section 29, flows southeast, through sections 29, 32 and 33 and on to the Fremont River, which is approximately 2½ miles south of the township. Deep Creek enters the township on the west boundary of section 5, flows due east to an intersection with Polk Creek, which has entered the township on the north boundary of section 3 on a general north-south course. The union of Polk Creek and Deep Creek form South Desert Wash, which flows southeast, in a very meandering channel, leaving the township on the east boundary of section 13.

Most of the area of the township is covered by barren sandstone rock; however, along the course of the south Desert Wash, there are rolling sand hills. This bottom land supports a good growth of tamerisk, desert sage, rabbit brush and range grass. Scattered pinon and juniper trees are found in the higher elevations bordering the barren sandstone formations. Water seeps and small springs are found frequently along the channel of South Desert Wash at all times of the year.

Access to the township can be gained indirectly by Utah Highway 24, which runs east and west, 4 miles south of the township. In the drier months of the year, four-wheel-drive vehicles can travel up South Desert Wash to the north boundary. Pack animals are limited to the periphery of the Water Pocket Fold area and to the bottoms of the canyons.

There was no evidence of any minerals found during the progress of this survey.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Walter E. Furen	Chainman
Lowell Q. Hermansen	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

16—58565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15 th day of April 1955, I have ~~surveyed~~ resurveyed a portion and surveyed the remainder of the East Boundary of Township 28 South, Range 5 East, and have surveyed the North and South Boundaries and a portion of the Subdivision, of Township 28 South, Range 6 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

February 27, 1955

Salt Lake City, Utah

Kenneth F. Hansen

Kenneth F. Hansen

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1958, *19*

The foregoing field notes of the ~~survey~~ resurvey of a portion and survey of the remainder of the East Boundary of Township 28 South, Range 5 East, and the survey of the north and south boundaries and a portion of the subdivision of Township 28 South, Range 6 East.

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

~~Chief, Division of Cadastral Engineering~~

Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes.~~

~~Chief, Division of Cadastral Engineering~~

ORIGINAL

Form 4—679
(September 1948)

32

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Independent Resurvey of a Portion of the South Boundary

and

Survey of the North, East, and West Boundaries

and a

Portion of the South Boundary

and a

Portion of the Subdivision

of

Township 28 South, Range 7 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Kenneth F. Hansen, Cadastral Engineer

Under special instructions dated April 15, *19* 55, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* May 2, 1955, *19*

Survey commenced May 16, *19* 55

Survey completed August 22, *19* 55

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 28 South, *Range* 7 East

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16—56770-1

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Survey of the North, South, East and West Boundaries
and Portions of the Subdivision, Township 28 South, Range 7 East

The east 5½ miles of the south boundary of T. 28 S., R. 7 E., were surveyed by A. D. Ferron and Adolphe Jessen in 1891.

The following field notes are those of the independent resurvey of the east 5½ miles of the south boundary; survey of the west ½ mile of the south boundary, the east, west and north boundaries, and a portion of the subdivision of Township 28 south, Range 7 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally designated State School Sections.

The survey was made with a W.&L.E. Gurley solar transit No. 541325. This instrument is the property of the Bureau of Land Management, and was constructed in accordance with the standard instrumental requirement of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method and for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

Measurements were made with narrow steel tapes, 8 chains in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of this township is latitude 38°19'27.24" N., and longitude 111°06'02.73" W., as is determined by traverse from U.S.G.S. Triangulation Station "Black" situated in Section 30, T. 28 S., R. 8 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15°45' E.

Survey of the East Boundary, Township 28 South, Range 7 East

---

chains

Beginning at the cor. of Townships 28 and 29 South, Ranges 7 and 8 East, marked by an iron post, 2½ ins. diam., extending 24 ins. above the ground, and in a large mound of stone, 5 ft. base to top, set, mkd., and witnessed as is described in the official record.

North, along the E. Bdy. of sec. 36.

:323

Survey of the East Boundary, Township 28 South, Range 7 East

chains	
	Over rocky, broken hills; ascent 40 ft. over a series of broken rises.
10.98	Wash, 40 lks. wide, 20 ft. deep, drains N. 70° W., from S. 60° E. ascend 40 ft. over a general SW. slope.
15.78	Wash, 20 lks. wide, 12 ft. deep, drains S. 60° W. and intersects main drainage wash which drains S. at 8 chs. distant; continue general ascent over series of raises and gullys..
20.71	Wash, 30 lks. wide, 10 ft. deep, drains S. 60° W. to intersect main wash at 10 chs. distant; ascend 18 ft. over a SW. slope.
23.30	Top of ascent; descend 20 ft. over NW. slope.
33.89	Wash, 30 lks. wide, 10 ft. deep, drains S. 25° W. from N. 40° E.
40.00	Point for the ¼ sec. cor. of sec. 36 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	¼ | S 36 | 1955
	Ascend 145 ft. over a broken S. slope.
46.33	Top of rocky hill; descend 40 ft. over general N. slope.
61.98	Wash, 20 lks. wide, 6 ft. deep, drains S. 70° W.;descend 20 ft. over series of raises and falls over a general N. slope.
77.85	Wash, 20 lks. wide, 12 ft. deep, drains W. from E.; ascend 40 ft. over S. slope with many small sand stone ledges.
80.00	Point for the cor. of secs. 25 and 36, T. 28 S., R. 7 E. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock, and in a collar of stone, 2 ft. base to top, with brass cap mkd.
	T28S R7E | R8E S25 | S30 S36 | 1955
	Raise a mound of stone, 3 ft. base, 26 ins. high, W. of cor.
	Land, broken mountainous. Soil, sandy clay, sandstone outcrops. Timber, occasional pinon and juniper tree. Undergrowth, rabbit brush, greasewood and rangegrass.
	North, along the E. bdy. of sec. 25.
	Over rough, broken, rocky land; ascend 60 ft. over series of broken ridges on general S. slope.
5.50	Top of ascent; descend 130 ft. over a N. slope.
18.40	Wash, 20 lks. wide, 6 ft. deep, drains S. 70° W.; ascend 70 ft. over a S. slope.

Survey of the East Boundary, Township 28 South, Range 7 East

chains	
22.09	Top of hill; descend 90 ft. over a N. slope.
34.80	Wash, 30 lks. wide, 12 ft. deep, drains W. from E.; ascend 20 ft. over gradual SW. slope to cor.
40.00	Point for the ¼ sec. cor. of sec. 25 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., over chisled cross (X) on bedrock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd.
	¼ S25 1955
	Ascend 220 ft. over a broken S. slope with many small ledges and cliffs.
57.08	Top of hill; descend 150 ft. over NE. to N. slope to cor.
61.08	Wash, 20 lks. wide, 10 ft. deep, drains N. 80° W. from E.
74.33	Wash, 40 lks. wide, 6 ft. deep, drains W. from E.
80.00	Point for the cor. of secs. 24 and 25, T. 28 S., R. 7 E. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd,
	T28S R7E R8E S24 S19 S25 1955
	Raise a mound of stone, 3½ ft. base, 36 ins. high, W. of cor.
	Land, broken to rolling. Soil, sandstone outcroppings to clay hills, sand clay. Timber, very sparce juniper trees. Undergrowth, greasewood and rabbit brush.
	North along the W. bdy. of sec. 24.
	Over rocky rolling terrain; ascend 15 ft. over gentle S. slope.
4.30	Top of ascent; descend 40 ft. over rocky, rolling general N. slope.
39.27	Wash, 8 lks. wide, 3 ft. deep, drains N. 70° W. from E.
39.80	Point for the witness ¼ sec. cor. of sec. 24 only.
	Set an iron post, 30 ins. long; 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.
	WC ¼ S24 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.

chains	
40.00	True point for the ¼ sec. cor. of Sec. 24 falls in a wash, 20 lks. wide, 6 ft. deep, drains W. from N. 60° E.
	Ascend 80 ft. over rocky, gradual and rolling S. slope.
72.96	Top of ascent; descend 10 ft. over N. slope to cor.
80.00	Point for the cor. of secs. 13 and 24, T. 28 S., R. 7 E. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a chisled cross (X) in bedrock, and in a large mound of stone, 3½ ft. base to top, with brass cap mkd.
	T28S R7E | R8E S13 | S18 S24 1955
	Land, rolling with many sandstone outcroppings. Soil, sandy clay. Timber, none. Undergrowth, greasewood, rabbit brush and sparce desert sage.
	North, along the E. bdy, of Sec. 13.
	Across rocky, broken terrain.
22.90	Wash, 20 lks. wide, 6 ft. deep, drains N. 70° E. from W.
40.00	Point for the ¼ sec. cor. of sec. 13 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a chisled cross (X) in bedrock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd.
	¼ S13 1955
42.80	Wash, 40 lks. wide, 6 ft. deep, drains N. 80° E. from S. 80° W.; ascend 30 ft. over S. slope.
56.42	Top of ascent; descend 20 ft. over a NE. slope.
69.53	Wash, 30 lks. wide, 5 ft. deep, drains E. from W.; ascend 30 ft. over a broken S. slope.
80.00	Point for the cor. of secs. 12 and 13, T. 28 S., R. 7 E. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into bedrock, and in a large mound of stone, 4 ft. base to top, with brass cap mkd.
	T28S R7E | R8E S12 | S7 S13 1955
	Land, rolling knolls and large areas of bedrock patches. Soil, sandy clay. Timber, none. Undergrowth, greasewood and desert sage.

Survey of the East Boundary, Township 28 South, Range 7 East

chains	
	North, along the E. bdy. of sec. 12.
	Across broken and rocky terrain; ascend 25 ft. over rocky S. slope.
19.95	Top of ascent; descend 85 ft. over N. slope.
28.47	Wash 40 lks. wide, 12 ft. deep, drains N. 40° E. from S. 50° W.
37.76	South bank of major wash, bears N. 60° E. and S. 60° W.; descend abruptly 9 ft. into bottom land of wash, through moderate growth of willows, tamarisk, and range and salt grass.
38.60	Center of wash, drains N. 60° E.
39.30	North bank of wash, 12 ft. earth bank.
40.00	Point for the ¼ sec. cor. of sec. 12 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with a brass cap mkd.
	¼ | S12 | 1955
	Raise a mound of stone, 2½ ft. base, 28 ins. high, W. of cor.
	Ascend 40 ft. over series of sandstone ledges which bear E. and W.
44.77	Top of ledges, continue across small flat with exposed patches of bedrock.
65.27	Base of black hill; ascend 75 ft. over S. slope.
71.94	Top of hill, long axis of hill bears E. and W.; descend 130 ft. over very steep N. slope covered with trachyte boulders.
79.75	Base of descent; continue across sandy clearing.
80.00	Point for the cor. of secs. 1 and 12, T. 28 S., R. 7 E. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T28S R7E | R8E S1 / S12 | S6 1955
	Raise a mound of stone, 3 ft. base, 24 ins. high, W. of cor.
	Land, broken. Soil, sandy. Timber, scattered juniper trees. Undergrowth, sagebrush, greasewood, tamarisk and range grass.
	North along the E. bdy. of Sec. 1.
	Across level sandy flats.
0.78	South bank of major wash, bears E. and W.; descend abruptly over 6 ft. earth bank into bottom land of wash.

Survey of the East Boundary, Township 28 South, Range 7 East.

chains	
2.54	Wash, drains E.
2.65	Unimproved road, "Meeks Cutoff Road", parallels channel of wash.
2.80	North bank of Wash; ascend 20 ft. over sandstone ledges.
14.39	Wash, 30 lks. wide, 4 ft. deep, drains S. 70° E. into major wash; ascend 70 ft. over a series of sandstone ledges and small cliffs.
20.94	Top of ascent; continue across rolling plain through moderate growth of underbrush.
40.00	Point for the ¼ sec. cor. of sec. 1 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground with a brass cap mkd.,
	¼ | S1 | 1955
	Raise a mound of stone, 3 ft. base, 25 ins. high, W. of cor.
	Continue across rolling very sandy terrain.
63.97	Ridge, bears generally E. and W.; descend 40 ft. over rocky N. slope to rolling red clay hills.
71.64	Wash, 60 lks. wide, 5 ft. deep, drains E. from W.; continue over rolling clay hills.
79.06	Point for the cor. of Tps. 27 and 28 S., Rs. 7 and 8 E., due west of the cor. of secs. 3, 4, 33 and 34, Tps. 27 and 28 E., R. 8 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground with brass cap mkd.,
	T27S R7E | R8E S36 | S31 S1 | S6 T28S 1955
	Raise a mound of stone, 4 ft. base, 48 ins. high, W. of cor.
	Land, broken ledges to rolling plain and hills. Soil, sandy to clay. Timber, sparce pinon and juniper trees. Undergrowth, sagebrush, greasewood and range grass.

Independent Resurvey of the South Boundary, T. 28 S., R. 7 E.

Superseding the Survey Executed
by A. D. Ferron and A. Jessen in
1891.

From the cor. of Townships 28 and 29 South, Ranges 7 and 8 East, marked by an iron post, 2½ ins. diam., extending 24 ins. above the ground, and in a large mound of stone, 5 ft. base to top, set, mkd., and witnessed as is described in the official record.

Independent Resurvey of the South Boundary, T. 28 S., R. 7 E.

chains	
	West, between secs. I and 36.
	Over rolling land; ascend 45 ft. over stoney E. slope.
3.20	Top of hill, long axis N. and S.; descend 45 ft. over W. slope onto large level plain known as "North Blue Flats".
22.05	Large wash, 130 lks. wide, 8 ft. deep, drains S. 50° W. from N. 30° E.
24.20	Unimproved dirt road, "Blue Flats - Fremont Road", bears N. and S.
31.10	Wash, 30 lks. wide, 10 ft. deep, drains S. 30° E. from N. 40° W.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S36 / S1 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, N. of cor.
	From this point, the original ¼ sec. cor., identified by a mudstone, 5x14x26 ins., mkd. ¼ on face, and in a mound of stone, bears N. 49° E., 46 lks. distant. I destroyed all evidence of this original ¼ cor.
	Continue across blue clay flats.
51.10	Elbow of wash, 40 lks. wide, 12 ft. deep, drains N. 65° E. from N. 85° W. running almost parallel to line.
79.95	Wash, 18 lks. wide, 5 ft. deep, drains N. 70° E. from S. 70° W.
80.00	True point for the cor. of secs. 1, 2, 35 and 36, falls in wash.
	From the true point for the cor., the original sec. cor., identified by a trachyte rock, 8x14x24 ins., mkd. with 1 notch on E. side and 4 notches on W. cor., and in a small mound of stone, bears N. 10° E. 40 lks. distant. I destroyed all evidence of this original cor.
	From the true point for the cor. of secs. 1, 2, 35 and 36, U. S. C. S. Triangulation Station "Black", bears N. 39°51' E., 190.20 chs. distant.
	Land, flats. Soil, blue clay. Timber, none. Undergrowth, sparce greasewood, and range grass.
	West, between sections 2 and 35.
	Across blue clay flats.
0.40	Point for the witness cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T28SR7E S35 ↑ S36 S2 | S1 T29S 1955

Chains	
	Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	Continue across clay flats.
40.00	Point for the ¼ sec. cor. of Secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the grou with brass cap mkd.,
	¼ S35 / S1 1955
	Raise a mound of stone, 2 ft. base, 18 ins. high, N. of cor.
	From this point, the original ¼ sec. cor. of Secs. 2 and 35, ident by a trachyte rock, 2x8x14 ins. mkd. ¼ on face, set in a small mou of stone, bears N. 0°04' W. 55 lks. distant. I destroyed all evidence of this original cor.
	Continue across clay flats.
44.10	Wash, 10 lks. wide, 2 ft. deep, drains N. 70° E. from S. 70° W.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.,
	T28SR7E S34 | S35 S3 | S2 T29S 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	From this point, the original corner monument, identified by a mu stone 4x9x16 ins. mkd., with very dim notches on the E. cor. and in a small mound of stone, bears N. 33° W., 91 lks. distant. I destroyed all evidence of the original cor.
	Land, clay flats. Soil, blue clay. Timber, none. Undergrowth, sparce greasewood and range grass.
	West, between secs. 3 and 34.
	Over blue clay flats.
5.20	Wash, 30 lks. wide, 3 ft. deep, drains N. 70° E. from S. 80° W.
10.80	End of blue clay flats, beginning of red clay hills and sandstone outcroppings.
38.20	Ascend 20 ft. over E. slope of clay knoll to cor.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the gro to solid rock, and in a mound of stone, 4 ft. base to top, with b cap mkd.,
	¼ S34 / S3 1955

chains	
	There was no remaining evidence of the original cor. found.
	Continue over red clay hill and sandstone outcroppings; continue ascent of 30 ft. over E. to SE. slope.
41.90	Top of spur, projects S. 40° E. 3 chs.; descend 40 ft. over a SW. slope.
46.20	Cross a series of small red clay knolls and hills.
60.82	End of clay hills; ascend 40 ft. over a series of broken sandstone ledges and outcroppings, through scattered growth of pinon and juniper trees.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a chisled cross (X) in bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,
	T28SR7E S33 | S34 S4 | S3 T29S 1955
	There was no remaining evidence of the original cor. found.
	Land, flats E. portion, clay hills and bedrock outcrops W. portion. Soil, Clay and sandy clay. Timber, scattered pinon and juniper in extreme W. portion. Undergrowth, sagebrush, greasewood and range grass.
	West, between secs. 4 and 33.
	Over broken hill and ledges; continue ascent of 30 ft. over general NE. slope of sandstone ridges.
13.92	Top of ascent; descend 30 ft. over sandstone ridges and small clay knolls.
17.41	Top of cliff; descend abruptly 235 ft. over brown shale cliff into the South Desert.
21.93	South Desert Wash, 150 lks. wide, 14 ft. deep, drains S. from N. on a very meandering course; ascend very sandy knolls through heavy-growth of sagebrush in bottom land terrain.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.,
	¼ S33 / S4 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, N. of cor.
	There was no remaining evidence of the original cor. found.
	Continue across sandy bottomland.
42.20	South Desert Wash, on horseshoe bend, drains N. 45° E. from S. 45° W.
55.90	South Desert Wash on horseshoe bend, drains S. 45° E. from N. 45° W.; ~~Ascend 70 ft. over rolling hills.~~

chains	
62.75	Top of ascent; descend 20 ft. into small flat.
70.50	Ascend 60 ft. over E. to NE. slope of rocky shale terrain, to cor.
79.90	Wash, 14 lks. wide, 9 ft. deep, drains N. 40° E. from S. 60° W.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with a brass cap mkd.,

T28SR7E

S32	S33
S5	64

T29S
1955

There was no evidence of the original cor. found.

Land, broken to bottomland to rolling hills.
Soil, Sandy clay, sand and shale.
Timber, scattered pinon and juniper.
Undergrowth, sagebrush, greasewood and range grass.

West, between secs. 5 and 32.

Over continuous NE. slope of shale rock anticline, cut by deep, stee canyons; ascend 100 ft.

10.88	Canyon wash, 60 lks. wide, 80 ft. deep, almost vertical walls of gypsum and shale, drains N. 80° E. from S. 80° W.; continue ascent of 150 ft. over N. E. slope.
36.51	Canyon wash, 70 lks. wide, 100 ft. deep vertical walls, drains N. 60° E. from S. 70° W.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set and iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with a brass cap mkd.,

¼ S32/S5
1955

Raise a mound of flat shale stones, 2 ft. base, 16 ins. high, N. of cor.

There was no remaining evidence of the original cor. found.

Continue over NE. slope of anticline; ascend 295 ft.

72.89	Top of ascent; descend 15 ft. over gradual W. slope to cor.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid shale rock, and in a mound of flat shale stone, 3 ft. base to top, with brass cap mkd.,

T28SR7E

S31	S32
S6	S5

1955

chains	
	There was no remaining evidence of the original cor. found.
	Land, Constant grade of anticline, cut with deep narrow gorges. Soil, shale, clay and gypsum. Timber, none. Undergrowth, sparce greasewood and grass on bench, heavy growth of sagebrush, tamarisk, and grass in canyons.
	West, between secs. 6 and 31.
	Over broken mountainous terrain cut by many deep canyons; descend 30 ft. over NW. slope.
1.90	Wash, 12 lks. wide, 4 ft. deep, drains N. 70° E. from S. 70° W.; ascend 20 ft. over broken shale rock.
7.28	Canyon wash, 40 lks. wide, 6 ft. deep vertical walls, drains N. 85° E. from S. 80° W.; ascend 90 ft. over a broken NE. slope.
21.84	Canyon wash, 30 lks. wide, 40 ft. deep, drains N. 60° E. 4 chs. into major canyon wash; ascend 110 ft. over general NE. slope.
35.60	Major canyon wash, 80 lks. wide, 150 ft. deep, drains N. 75° E. from S. 70° W.; ascend 140 ft. over a steep E. to NE. slope.
39.38	Top of rocky ridge, bears N. 60° E. and S. 60° W.; descend 25 ft. over a NW. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd., ¼ S31/S6 1955 Raise a mound of stone, 2 ft. base, 20 ins. high, N. of cor.
	There was no remaining evidence of the original cor. found. **End of independent resurvey, begin original survey.** Continue over broken mountainous terrain; descend 30 ft. over NW. slope.
55.10	Canyon wash, 40 lks. wide, 37 ft. deep, drains N. 70° E. from S. 70° W.; ascend 150 feet over rocky SE. slope.
75.13	Top of ascent; descend 70 ft. over general W. slope of exposed sandstone outcrop ledges to cor.
78.34	Point for the witness cor. of secs. 1, 6, 31 and 36, Tps. 28 and 29, S. Rs. 6 and 7 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a chisled cross (X) on bedrock, and in a large mound of stone, 4½ ft. base to top, with brass cap mkd., T28S R6E | R7E WC ← S36 | S31 S1 | S6 1955

Survey of a Portion of the South Boundary, T. 28 S., R. 7 E.

chains	
	Descend 40 ft. over abrupt W. rock wall of wash.
78.84	True point for the cor. of tps. 28 and 29 S., Rs. 6 and 7 E. in a wash, and at a calculated position providing for convergency, north from the 6th Standard Parallel. Land, broken. Soil, shale and bedrock. Timber, none. Undergrowth, greasewood and rabbit brush.

Survey of the West Boundary, T. 28 S., R. 7 E.

	From the true point for the cor. of Tps. 28 and 29 S., Rs. 6 and 7 E.
	North, between secs. 31 and 36.
	Over broken mountainous terrain; descend 50 ft. over series of sandstone ledges to bottom of wash.
2.00	Canyon wash, 280 lks. wide, 90 ft. deep, drains N. 60° E. from S. 60° W.
2.88	Rim of canyon wash; ascend 110 ft. over a very broken, rocky SE. slope.
8.01	Top of ridge, bears N. 70° E. and S. 70° W.; descend 330 ft. over broken, rocky NW. slope.
19.60	Change of descent; descend 118 ft. over broken, rough, almost impossible terrain, to cor.
28.46	Canyon wash, 180 lks. wide, 80 ft. deep, drains NE./Sheer rock walls.
40.00	True point for the ¼ sec. cor. of secs. 31 and 36. Small wash, which drains N. 20° E.; ascend 30 ft. over sandstone ledges which bear N. 45° E. and S. 45° W.
41.05	Point for the witness ¼ sec. cor. of Secs. 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., over a chisled cross (X) in bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. ¼ S36 ↓ S31 1955 WC Ascend 120 ft. over a S. slope.
45.29	Top of ascent; descend 210 ft. over a general N. slope.
6 .38	Canyon wash, 80 lks. wide, 40 ft. deep, vertical walls; drains N. 75° E from west; ascend 230 ft. over a S. to SE. slope.
71.60	Ridge, bears N. 65° E. and S. 65° W.; descend 80 ft. to cor.
7..11	Wash, 30 lks. wide, 8 ft. deep, drains N. 60° E. from S. 60° W.
80.00	Point for the cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a mound of stone, 3½ ft. base to top, with brass cap mkd.,

CHAINS	
	T28S R6E | R7E S25 | S30 S36 | S31 1955 Land, broken mountainous. Soil, shale and sandstone bedrock and sand in wash bottoms. Timber, pinon trees in wash bottoms only. Undergrowth, greasewood and rabbit brush, with sagebrush and tamarisk found in wash bottoms.
	North, between secs. 25 and 30.
	Over broken mountainous terrain; descend 22 ft. over NE. slope.
4.07	Wash, 20 lks. wide, 6 ft. deep, drains N. 70° E.; ascend 30 ft. over SE. slope.
8.54	Top of ascent; descend 120 ft. over a steep, broken N. slope.
11.86	Wash, 26 lks. wide, 8 ft. deep, drains E. from W.; ascend 80 ft. over a S. slope.
16.41	Top of ascent; descend 30 ft. over a rolling NE. to E. slope.
33.68	Wash, 40 lks. wide, 18 ft. deep, drains E. from W.
40.00	Point for the ¼ sec. cor of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, to solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. S25 | S30 1955
	Ascend 50 ft. over broken, SE. slope of sandstone ledges.
47.47	Change of slope; descend 235 ft. over a rocky NW. slope of shale.
56.31	Canyon wash, 60 lks. wide, 32 ft. deep, vertical shale and gypsum rock wall, drains N. 70° E. from S. 70° W.; ascend 185 ft. over a general S. slope.
67.81	Top of shale hill; descend 90 ft. over general NE. slope of rolling shale and clay hills.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd., T28S R6E | R7E S24 | S19 S25 | S30 1955 Land, broken. Soil, shale, sand and clay. Timber, none. Undergrowth, Rabbit brush, with sage and tamarick in canyon washes.

chains	
	North, between secs. 19 and 24.
	Over a broken rough terrain of shale cliffs and banks, and clay hills in a general NE descent; descend 115 ft. over a NE. slope.
18.27	Canyon wash, 40 lks. wide, 30 ft. deep, shale banks. Drains E. from W, across an E. slope.
33.75	Canyon wash, 70 lks. wide, 38 ft. deep, steep shale and gypsum banks. Drains S. 60° E. to E. from N. 50° W. to W.; ascend 20 ft. over a SE. slope to cor.
40.00	Point for the ¼ sec. cor. of Secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid shale rock and in a collar of stone, with brass cap mkd.,
	¼ S24 | S19 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Ascend 50 ft. over a broken SW. slope.
49.27	Top of shale hill; descend 15 ft. across W. slope of rolling clay knolls.
61.67	Ascend 80 ft. over a S. slope of clay hill covered with many trachyte stones of various sizes.
71.06	Top of hill; descend 80 ft. over a N. slope to cor.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid shale rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	T28S R6E | R7E S13 | S18 S24 | S19 1955
	Land, broken to rolling slopes. Soil, Sand, shale, gypsum and clay. Timber, none. Undergrowth, rabbit brush and greasewood.
	North, between Secs. 13 and 18.
	Over rolling, partially broken, clay and shale slopes; descend 30 ft. over a N. slope.
9.87	Wash, 40 lks. wide, 20 ft. deep, drains N. 60° E. from S. 70° W.; continue across rolling clay hills.
22.43	Wash, 30 lks. wide, 12 ft. deep, drains E. from W.; descend 70 ft. over general NE. slope of rolling clay hills.
40.00	Point for the ¼ sec. cor. of Secs. 13 and 18.

Survey of the West Boundary, T. 28 S., R. 7 E.

chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S13 | S18 1955
	Raise a mound of stone 3 ft. base, 24 ins. high, W. of cor.
	Enter onto bottom lands of South Desert; continue across sandy knolls covered with moderate growth of sagebrush, tamarisk and range grass.
57.56	South Desert Wash, 120 lks. wide, 7 ft. deep, drains E. from W. on meandering course. Over-all course of South Desert Wash is S. 35° E.
73.20	South Desert Wash, 120 lks. wide, 7 ft. deep, drains S. 45° W. from N. 45° E.; continue across sandy knolls.
80.00	Point for the cor. of Secs. 7, 12, 13, and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T28S R6E | R7E S12 | S7 S13 | S18 1955
	Raise a mound of stone 3½ ft. base, 30 ins. high, W. of cor.
	Land, rolling to flat bottom land. Soil, shale, clay and sand. Timber, none. Undergrowth, sagebrush, rabbit brush, tamarisk and range grass.
	North, between secs. 7 and 12.
	Across rolling sand hills.
22.69	South Desert Wash, 120 lks. wide, 6 ft. deep, drains E. from W. on very meandering course.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	¼ S12 | S7 1955
	Raise a mound of stones, 3 ft. base, 30 ins. high, W. of cor.
	Continue over high, steep, broken brown clay hills and extrusive dyke formations.
50.03	Base of brown cliffs; ascend 140 ft. over broken, steep, loose clay S. slope.
52.12	Top of clay slopes, continue across broken terrain.

Survey of the West Boundary, T. 28 S., R. 7 E.

chains	
77.92	Ascend 40 ft. steep SW. to W. slope.
80.00	Point for the cor. of secs. 1, 6, 7 and 12. Falls on small flat terrace of W. slope.
	Set an iron post 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T28S R6E | R7E S1 | S6 S12 | S7 1955
	Land, bottom land to steep shale and clay hills. Soil, sandy clay. Timber, none. Undergrowth, sagebrush, tamarisk, rabbit brush and range grass.
	North, between Secs. 1 and 6.
	Continue over steep W. slope of clay hills; descend 50 ft.
26.42	Descend 90 ft. over a general N. slope.
31.87	Top of cliff, bears E. and W.; descend abruptly 30 ft. into broad valley.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	¼ S1 | S6 1955
	Continue across broad plain, through sparce to moderate undergrowth.
58.76	Wash, 38 lks. wide, 12 ft. deep, drains S. 65° W. from N. 65° E.
64.70	Base of white clay and shale cliffs, bears E. and W.; ascend 160 ft.
66.70	Top of cliffs; across broken clay slopes to exposed bedrock.
75.30	Ascend 35 ft. over red shale, S. slope.
78.05	Top of slope, across broken white sandstone outcropping.
78.56	Point for the witness cor. for Tps. 27 and 28 S., Rs. 6 and 7 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	WC T27S R6E | R7E S36 | S31 S1 | S6 T28S 1955

Survey of the West Boundary, T. 28 S., R. 7 E.

chains	
78.84	Pt. for the cor. of Ts. 27 and 28 S., Rs. 6 and 7 E. at a point 478.40 chs. W of the cor. for Tps. 27 and 28 E., Rs. 7 and 8 E. True point for the cor. of Tps. 27 and 28 E., Rs. 6 and 7 E. falls on steep stony slope. Land, hills and level plains. Soil, sandy clay and clay. Timber, none. Undergrowth, rabbit brush and range grass.

Survey of the North Boundary, T. 28 S., R. 7 E.

	From the cor. of Tps. 27 and 28 S., Rs. 7 and 8 E.
	West, between Secs. 1 and 36.
	Over broken, rocky terrain, through scattered juniper and pinon trees.
1.01	Bedrock ridge, bears N. and S., descend 60 ft. to wash.
5.09	Wash, 40 lks. wide, 4 ft. deep, drains S. from N.
29.99	Ascend 90 ft. over a rocky E. slope.
35.75	Top of stony ridge, bears N. and S.; continue across exposed bedrock.
40.00	Point for the ¼ sec. cor. of Secs. 1 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd., ¼ S36/S1 1955
	Continue across broken, sandstone bedrock.
51.42	Ascend 40 ft. over steep E. slope of barren sandstone hill.
52.04	Top of hill; descend 80 ft. over NW. slope.
57.24	Wash, 40 lks. wide, 6 ft. deep, drains N. 55° E. from S. 55° W.; Ascend 50 ft. over a broken general E. slope of sandstone ridges, small ledges and mounds which parallel course of wash.
79.61	Small wash, 15 lks. wide, 4 ft. deep, drains N. 70° E. from S. 75° W.
80.00	Point for the cor. of Secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd., T27SR7E S35 | S36 S2 | S1 T28S 1955
	Raise a mound of stone, 4 ft. base, 30 ins. high, W. of cor.

chains	
	Land, partially broken. Soil, sandy to exposed bedrock. Timber, scattered pinon and juniper. Undergrowth, sagebrush, greasewood and bunch grass.
	West, between Secs. 2 and 35.
	Ascend 110 ft. over a general E. slope of a broken, rocky terrain of many sandstone ridges and mounds.
8.47	Top of ascent; continue across broad plateau with a gentle SW. slope, through a moderate growth of pinon and juniper trees.
40.00	Point for the ¼ Sec. cor. of Secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into bedrock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd., ¼ S35/S2 1955
	From which, A pinon, 7 ins. diam. bears N. 48° W., 49 lks. distant, mkd., ¼ S35 BT. A pinon, 6 ins. diam. bears S. 20° W. 57 Lks. distant, mkd., ¼ S2 BT.
	Continue across broad plain through moderate growth of pinon and juniper trees.
70.29	Change of slope; descend 30 ft. over a SW. slope. End of timber.
80.00	Point for the cor. of Secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone, 3 ft. base to top, with brass cap mkd., T27S R7E S34 | S35 S3 | S2 T28S 1955
	Land, broad plain. Soil, sandy with exposed patches of bedrock. Timber, scattered clusters of pinon and juniper trees. Undergrowth, sagebrush and range grass.
	West, between Secs. 3 and 34.
	Over broken rocky terrain.
12.00	Rim of canyon; descend 80 ft. over a rocky W. slope.
21.10	Major Wash, 70 lks. wide, 15 ft. deep, drains S. 5° E. from N. 05° W.; ascend 90 ft. over a broken rocky E. slope.
34.65	West rim of canyon, bears general N. and S.; descend 75 ft. over gradual W. slope to cor.

Survey of the North Boundary, T. 28 S., R. 7 E.

chains	
40.00	Point for the ¼ Sec. Cor. of Secs. 3 and 34 falls under 14 ft. ledge of exposed sandstone bedrock, that bears N.E. and S.W. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd., ¼ S34/S3 Continue across rocky broken terrain; ascend 30 ft. over E. slope of a series of broken sandstone ledges.
43.44	Sandstone ridge, bears N. and S.; descend 95 ft. over a rocky S.W. slope.
58.56	Small drainage, drains S. 30° W. from N. 10° E.; ascend 90 ft. over a rocky broken S.E. to E. slope.
70.99	Top of ascent; descend 35 ft. over a W. slope of a series of broken ridges to cor.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground to solid rock and in a collar of stone, 2 ft. base to top, with brass cap mkd., T27S R7E S33 | S34 S4 | S3 T28S 1955 Raise a mound of stones, 4½ ft. base, 36 ins. high, W. of cor.

Land, broken.
Soil, sand and bedrock.
Timber, scattered pinon and juniper.
Undergrowth, sagebrush, range grass and tamerisk in washes.

West between secs. 4 and 33.

Over broken rocky terrain; descend 20 ft. over broken W. slope.

1.30	Wash, 30 lks. wide, 5 ft. deep, drains S. 70° E. from N. 70° W.; ascend 80 ft. over a broken E. slope.
20.24	Top of rocky ridge, bears N. and S., descend 70 ft. over steep W. slope onto flat terrain through scattered timber.
31.18	Base of series of sandstone ridges, bears generally N. and S.; ascend 35 ft. over broken E. slope.
34.06	Top of ascent; descend over rocky, S.W. slope to corner.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd., ¼ S33/S4 1955

Survey of the North Boundary, T. 28 S., R. 7 E.

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chains	
	Continue descent of 80 ft. over rocky S.W. slope.
52.18	Wash, 200 lks. wide, 6 ft. deep, drains S. 60° W. from N. 20° W.; continue across bottom land, through heavy growth of sagebrush and tamerisk.
56.65	Base of rocky hill; ascend 130 ft. over a very rocky, broken E. slope.
67.59	Top of ascent; descend 95 ft. over a rocky S.W. slope to cor.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,

T27SR7E

S32	S33
S5	S4

T28S

1955

Raise a md. of stone, 3 ft. base, 32 ins. high, W. of cor.

Land, partially broken.
Soil, sandy and rocky.
Timber, scattered pinon and juniper trees.
Undergrowth, sagebrush, greasewood, tamerisk and range grass.

West, between secs. 5 and 32.

Over rocky, broken terrain; ascend 40 ft. over a S. to S.E. slope.

5.27	Top of spur projecting S. 4 chs.; descend 65 ft. over a S.W. slope.
9.17	Wash, 90 lks. wide, 12 ft. deep, drains S. on meandering course from N.; across bottom lands, through heavy growth of sagebrush.
12.37	Wash, 100 lks. wide, 7 ft. deep, drains S. 70° E. for 3 chs. thence S. from N. 40° W.
13.21	Ascend 60 ft. over rocky broken E. slope.
27.58	Graded dirt road, bears S. 30° E. and N. 40° W. Continue across broken terrain.
29.38	Wash, 20 lks. wide, 2 ft. deep, drains S. 50° E., from N. 40° W.
40.00	Point for the ¼ sec. cor of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.,

¼ S32/S5

1955

Continue over rough broken terrain; descend 40 ft. over a S.W. slope

43.40	Wash, 60 lks. wide, 3 ft. deep, drains S. 30° E. from N. 80° W.; Ascend 80 ft. over a gradual rocky E. slope.
62.49	Top of rocky ridge, bears N. and S.; descend 15 ft. over a series of small ledges.

Survey of the North Boundary, T. 28 S., R. 7 E.

chains	
75.69	Wash, 40 lks. wide, 6 ft. deep, drains S. 30° E. from N. 30° W.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T27SR7E S31 | S32 S6 | S5 T28S 1955
	Raise a mound of stone, 3 ft. base, 28 ins. high, W. of cor.
	Land, flatland and broken terrain. Soil, sandy and rocky. Timber, very scattered pinon and juniper trees. Undergrowth, sagebrush, tamerisk and range grass.
	West, between secs. 6 and 31.
	Over rolling, and partially broken, land; across rolling terrain.
8.00	Ascend 100 ft. over rocky E. slope.
30.28	Top of ascent; descend 20 ft. over W. slope.
32.78	Wash, 20 lks. wide, 2 ft. deep, drains S. for 150 lks. then S. 50° E. from N.; ascend 70 ft. over E. slope of hill covered with many trachyte boulders.
40.00	Point for the ¼ cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S31/S6 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, N. of cor.
	Continue ascent of 115 ft. over E. slope of large black hill covered with trachyte boulders.
50.50	Crest of hill; descend 235 ft. over broken W. slope, consisting of sandstone ledges near summit of hill, and small cliffs and steep slopes of white and blue shale and clay at the base of the hill.
68.00	Edge of South Desert; descend 100 ft. over white clay cliffs.
72.30	Wash, 30 lks. wide, 8 ft. deep, drains S. 30° W. from N.; ascend abruptly 65 ft. over white clay bank onto lower rim surrounding the South Desert.
78.40	True point for the cor. of Tps. 27 and 28 S., Rs. 6 and 7 E.
	Land, rolling to broken. Soil, sand, rocky to shale and clay. Timber, sparce pinon and juniper trees in E. portion. Undergrowth, sagebrush, rabbit bush and range grass.

chains	
	From the cor of secs. 1, 2, 35 and 36 on the S. boundary of the township.
	N. 0° 01' W. between secs. 35 and 36.
	Across blue clay flats.
0.50	Wash, 40 lks. wide, 6 ft. deep, drains E. from W.
4.60	Wash, 15 lks. wide, 4 ft. deep, drains S. 60° E. from N. 60° W. over a very meandering course.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd.,
	¼ S35 | S36 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue across blue clay flats.
46.60	Wash, 150 lks. wide, 6 ft. deep, drains E. 100 lks. then S. 60° E. from W.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T28SR7E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, flats. Soil, blue clay. Timber, none. Undergrowth, sparce greasewood and range grass.
	S. 89° 58' E. between secs. 25 and 36.
	Across blue clay flats.
15.20	Unimproved road, "Blue Flats-Fremont Road", bears N. and S.
16.30	Wash, 60 lks. wide, 14 ft. deep, drains S. from N. over a very meandering course; ascend 50 ft. over a gradual, increasingly rocky W. slope.
40.02	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 29 ins. in the ground, with brass cap mkd.,
	¼ S25 / S36 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, N. of cor.

chains	
	Ascend 130 ft. over steep clay slopes, covered with rocks of various sizes.
54.03	Top of sandstone outcropping ridge, bears N. and S.; ascend 180 ft. over rocky broken W. slope of small ledges and ridges.
79.10	Crest of ascent; descend 30 ft. over steep E. slope.
80.04	The cor. of secs. 25 and 36 only, on the E. boundary of the township.
	Land, flats to partially broken hills. Soil, clay and shale to sand and trachyte rock. Timber, sparce juniper on E. portion. Undergrowth, sagebrush, greasewood, rabbit brush and range grass.
	From the cor. of secs. 3, 4, 33, and 34, on the S. boundary of the township.
	N. 0° 02' W. between secs. 33 and 34.
	Across broken, very rocky terrain, of a general N. E. slope.
34.27	Wash, 20 lks. wide, 4 ft. deep, drains N. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 28 ins. in the ground, with brass cap mkd., S33 ¼ S34 1955 Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Over rolling clay mounds and hills.
47.20	Wash, 30 lks. wide, 4 ft. deep, drains N. 70° E. from S. 70° W.; ascend 80 ft. over steep S. slope of red clay hill.
51.76	Top of hill; descend 60 ft. over steep N. slope onto small clay flat surrounded by clay hills.
61.52	Wash, 30 lks. wide, 5 ft. deep, drains N. 75° E. from W.; continue over a series of clay knolls and small spurs.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd., T28SR7E S28 | S27 S33 | S34 1955 Raise a mound of stone, 3½ ft. base, 25 ins. high, W. of cor.
	Land, rolling clay knolls and hills. Soil, multi-colored clay. Timber, none. Undergrowth, sparce greasewood and range grass.

chains	
	N. 0° 02' W., between secs. 27 and 28.
	Over clay hills capped with sandstone stratum.
3.10	Wash, 35 lks. wide, 3 ft. drains E. from W., ascend 150 ft. over a steep S. slope of hill.
6.02	Top of clay hill capped with soft sandstone top; descend 100 ft. over a series of broken sandstone ridges and steep clay N. slope.
21.93	Enter onto small flat.
27.03	Wash, 20 lks. wide, 4 ft. deep, drains N. 70° E. from S. 70° W.
33.00	Ascend 30 ft. over a rolling S.W. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to solid rock, and in a collar of stone; with brass cap mkd.,
	¼ S28 | S27 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Continue over steep, clay hills and partially broken terrain; ascend 90 ft. over a steep S. slope of clay hill.
47.92	Top of hill; descend 85 ft. over a steep N. slope onto small flat.
56.62	Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E. from S. 70° W.
60.82	Wash, 30 lks. wide, 3 ft. deep, drains S. 60° E. from N. 40° W.; ascend 120 ft. over a steep S. slope of clay hill.
65.06	Top of hill; descend 60 ft. over broken sandstone outcroppings in a general N. slope.
73.01	Base of descent; ascend 35 ft. over a S. slope.
75.96	Top of ascent; descend 50 ft. over a rocky N. E. slope to cor.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T28SR7E S21 | S22 S28 | S27 1955
	Land, rolling to partially broken. Soil, clay and sandstone bedrock. Timber, none. Undergrowth, sparce rabbit brush and range grass.
	N. 0° 02' W. between secs. 21 and 22.
	Over rolling, partially broken, hills; ascend 70 ft. over a S.W. to S. slope.

chains	
7.02	Top of hill; descend 110 ft. over a steep N. slope.
13.71	Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E. from N. 70° W.
18.44	Ascend 130 ft. over a rocky S. slope.
24.39	Top of hill; descend 115 ft. over a rocky N. slope to wash.
29.89	Wash, 40 lks. wide, 4 ft. deep, drains E. from W.
32.20	Ascend 120 ft. over a rocky S.W. slope.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam. over a cross (X) chisled on exposed bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	¼ S21 | S22 1955
	Continue over hill, partially broken terrain; ascend 10 ft. over broken sandstone outcropping.
47.10	North rim of hill; descend 115 ft. over a rocky, partially broken, N. slope.
58.38	Wash, 20 lks. wide, 2 ft. deep, drains S. 40° E. from N. 60° W; ascend 25 ft. over broken, general S. slope.
67.84	Wash, 80 lks. wide, 6 ft. deep, drains S. 70° E. from N. 70° W.
80.00	True point for the cor. of secs. 15, 16, 21 and 22, falls in wash, 30 lks. wide, 6 ft. deep, which drains S. 30° W. from N. 30° W.
	Land, rolling to broken. Soil, clay, sandy and rocky. Timber, very sparce pinon and juniper trees. Undergrowth, sagebrush, rabbit brush and range grass.
	N. 0° 02' W., between secs. 15 and 16.
	Across rocky, broken terrain.
0.42	Point for the witness cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to solid rock and in a mound of stone, 4 ft. base to top, with brass cap mkd.,
	T28SR7E S16 | S15 S21 | S22 W C 1955
	Continue across small valley.
16.52	Ascend 140 ft. over a steep S.E. slope.
22.76	Top of small plateau; continue across a series of clay knolls.
34.06	Wash, 20 lks. wide, 3 ft. deep, drains E. from W.; ascend 70 ft. over rocky S. slope.

chains	
38.18	Top of ridge, bears E. and W.; continue across level terrain.
39.28	Descend 30 ft. over a N. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.,
	¼ S16 | S15 1955
	Raise a mound of stone, 4 ft. base, 28 ins. high, W. of cor.
	General descent over rolling clay hill onto broad valley; descend 65 ft. over a N. slope.
52.56	Wash, 20 lks. wide, 3 ft. deep, drains E. from W.; continue across open terrain.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	T28SR7E S9 | S10 S16 | S15 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, rolling, partially broken. Soil, sandy to clay. Timber, none. Undergrowth, sparce greasewood, sagebrush and range grass.
	N. 0° 02' W., between secs. 9 and 10.
	Across rolling terrain.
14.10	Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E. from N. 60° W.
23.18	Graded dirt road, "Blue Flats - Fremont Road" bears S. 80° E. and N. 80° W.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.,
	¼ S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue over rolling, rocky, hilly terrain.
40.70	Wash, 60 lks. wide, 5 ft. deep, drains N. 60° E. from S. 60° W. ascend 15 ft. over sandy knoll covered with heavy growth of sagebrush.

chains	
52.10	Wash, 30 lks. wide, 5 ft. deep, drains S. 60° E. into larger wash.
53.60	Base of rocky ridge; ascend 60 ft. over rocky S. slope.
56.21	Top of ridge, bears S. 65° W. and N. 65° E.
59.90	Descend 45 ft. over a N.W. slope onto a small flat.
67.10	Wash, 60 lks. wide, 2 ft. deep, drains S. 30° E. into wash which drains S. 60° E.
67.89	Ascend 80 ft. over a rocky S.E. slope.
79.08	Crest of hill.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T28SR7E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3½ ft. base, 30 ins. high, W. of cor.
	Land, rolling and rocky terrain. Soil, sandy. Timber, sparse juniper and pinon trees. Undergrowth, sagebrush, rabbit brush, tamerisk and range grass.
	N. 0° 01' W., between secs. 3 and 4.
	Across rocky, ridges and rolling hills.
3.20	Descend 95 ft. over a steep N. E. slope onto a small flat.
7.70	Wash, 150 lks. wide, 5 ft. deep, drains E. from W.; ascend 80 ft. over a rolling, partially broken terrain.
30.67	Ascend 50 ft. over a rocky S. slope of hill.
36.75	Top of hill; descend 30 ft. over a N.E. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) chisled into solid rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.,
	¼ S4 | S3 1955
	Continue descent of 40 ft. over a N.E. slope to wash.
42.50	Wash, 40 lks. wide, 3 ft. deep, drains S. 70° E. from N. 70° W.; ascend 125 ft. over a steep, rocky, S.W. slope with sandstone ledges at summit.
48.10	Top of ascent; continue across partially broken terrain.

chains	
79.05	The cor. of secs. 3, 4, 33 and 34 on the N. boundary of the township.
	Land, rolling to partially broken. Soil, sandy to rocky and exposed bedrock. Timber, scattered juniper and pinon trees. Undergrowth, sagebrush, rabbit brush and range grass.
	From the cor. of secs. 1, 2, 35 and 36, on the N. boundary of the township.
	S. 0° 01' E., between secs. 1 and 2.
	Across rolling, rocky, partially broken terrain; descend 30 ft. over general S. slope.
7.71	Wash, 20 lks. wide, 4 ft. deep, drains N. 60° E. from S. 70° W.
8.60	Wash, 40 lks. wide, 4 ft. deep, drains N. 50° E. 2 chs. Intersection with preceeding wash; ascend 60 ft. over a broken sandstone outcropping.
11.30	Top of small sand stone ridges; descend slowly over a gradual S. slope.
33.70	Top of ridge, bears E. and W.; descend 70 ft. over a series of sandstone, ridges and ledges onto a large broad sandy flat.
39.06	Point for the ¼ sec. cor. of Secs. 1, and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to solid rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	¼ S2 | S1 1955
	Continue across a very gradual descent of 50 ft. over a S. slope on a large broad sandy flat, through a scattered growth of pinon and juniper trees.
74.16	Across small rises of broken sandstone outcroppings.
79.06	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T28SR7E S2 | S1 S11 | S12 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Land, rolling and partially broken. Soil, sandy, rocky and exposed bedrock. Timber, juniper and pinon trees. Undergrowth, sagebrush, rabbit brush and range grass.
	From the cor. of secs. 2, 3, 34 and 35, on the N. boundary of the township.

chains	
	S. 0° 01' E., between Secs. 2 and 3.
	Over broken, rocky terrain, through scattered growth of juniper and pinon trees.
11.62	Descend 140 ft. over a series of sandstone ledges and small cliffs of a general S.W. slope to wash.
31.18	Wash, 60 lks. wide, 6 ft. deep, drains N. 60° E. for 6 chs. then S. 40° E. from W.; ascend 65 ft. over a broken NE. slope of sandstone bedrock.
39.05	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and set in a mound of stone, 4½ ft. base to top, with brass cap mkd.,
	¼ S2 | S3 1955
	Continue ascent of 50 ft. over a rocky N.E. slope.
45.45	Small wash, 12 lks. wide, 4 ft. deep, drains N. 60° E. from S. 60° W. Continue ascent of 190 ft. over a rocky NE. slope.
61.12	Top of ascent; descend 75 ft. over a S.E. slope.
71.02	Small wash, 10 lks. wide, 2 ft. deep, drains E. from W.; ascend 40 ft. over a rocky N. slope.
76.48	Top of hill; descend 10 ft. over a S.E. slope to cor.
79.05	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock and in a mound of stone, 3 ft. base to top, with brass cap mkd.,
	T28SR7E S3 | S2 S10 | S11 1955
	Land, broken and rocky. Soil, sandy, gravel and exposed bedrock. Timber, very scattered pinon and juniper. Undergrowth, sagebrush, greasewood and range grass.
	S. 89° 58' E., between secs. 2 and 11.
	Across broken rocky terrain over many large areas of exposed bedrock.
6.00	Descend 130 ft. over a steep N.E. to E. slope.
10.60	Base of descent; descend 15 ft. over gradual E. slope.
26.89	Enter wash; drains E. from S. 65° W.; continue down sandstone bottom of wash.

chains	
30.28	Leave wash; wash drains N. 70° E.; ascend over 12 ft. rock bank and thence across barren bedrock.
39.98	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (x) chisled into bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S2/S11 1955 Continue across broken, bedrock terrain; descend 120 ft. over a gradual broken E. slope with many sandstone ledges.
73.28	West edge of major wash; descend abruptly over 60 ft. sheer rock wall onto wash bottom of sand.
74.02	Center of wash, 160 lks. wide, 7 ft. deep; drains S. 4 chs. then S. 60° E. from N. 40° W. Ascend 60 ft. over a sheer rock cliff.
74.85	Top of E. bank of wash; descend 30 ft. over a gentle E. slope of sandstone bedrock, to cor.
79.96	The cor. of secs. 1, 2, 11 and 12. Land, broken. Soil, bedrock. Timber, sparce pinon and juniper trees. Undergrowth, sparce sagebrush, greasewood and range grass.
	From the true point for the cor. of secs. 15, 16, 21 and 22. West, between secs. 16 and 21. Over rolling, partially broken, terrain; ascend 9 ft. over an earth bank of wash.
0.30	Top of bank. Ascend 10 ft. over a S.E. slope of broken bedrock.
5.02	Wash, 40 lks. wide, 4 ft. deep, drains S. 20° E. from N. 60° W.; Ascend 70 ft. over a series of small clay knolls.
30.13	Wash, 80 lks. wide, 7 ft. deep, drains S.; ascend 15 ft. over a gradual E. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd., ¼ S16/S21 1955 Continue across broken, rocky terrain.
41.10	East rim of canyon; descend 90 ft. over W. slope of broken sandstone ledges and slopes.
43.70	Wash, 60 lks. wide, 4 ft. deep, drains S. 35° E. from N. 30° W.; Ascend 105 ft. over broken E. slope.

Portions of the Subdivision, T. 28 S., R. 7 E.

chains	
48.90	West rim of canyon; ascend 70 ft. over broken S.E. slope over barren sandstone bedrock.
55.27	Top of sandstone knoll; descend 60 ft. over a general W. slope of a series of small sandstone ridges and ledges.
65.03	Wash, 20 lks. wide, 3 ft. deep, drains N. 40° E. 2 chs. into larger wash; ascend 20 ft. over a rocky N.E. slope.
69.87	Change of slope; ascend 40 ft. over a gradual N. slope.
78.80	Wash, drains N. 75° E. from W.; continue up bottom of wash.
80.00	True point for the cor. of secs. 16, 17, 20 and 21, falls in bottom of wash.
	Land, rolling to partially broken. Soil, sandy clay to gravel. Timber, occasional juniper and pinon tree. Underbrush, shadscale, greasewood and sparce range grass.
	N. 0° 03' W., between secs. 16 and 17.
	Over broken rocky terrain, with deep canyons and steep rocky hills.
0.10	Ascend abruptly over a S. face of small cliff.
0.41	Point for the witness cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd., T28SR7E S17 ↑ S16 S20 S21 W C 1955
	Ascend 80 ft. over a S. to S.W. gravelly and broken slope.
7.61	Top of ascent; descend 10 ft. over a gradual N.W. slope.
10.91	Rim of canyon, bears S. 60° E. and N. 60° W.; descend 120 ft. over a steep broken N.E. slope.
16.80	Wash, 60 lks. wide, 12 ft. deep, drains S. 70° E. from N. 60° W.; Ascend 340 ft. over a steep S. slope of hill covered with many black trachyte rocks of various sizes.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to solid rock and in a large mound of stone, 7 ft. base to top, with brass cap mkd., ¼ S 17 | S 16 1955
	Continue ascent of 125 ft. over S. slope of hill thickly covered with black trachyte boulders.
51.60	Top of hill, long axis of hill bears E. and W.; descend 270 ft. over a N. to N.E. rocky slope to cor.

chains	
80.00	Point for the cor. of secs. 8, 9, 16 and 17, at the base of hill. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, and in a collar of stone, with brass cap mkd., T28SR7E S8 | S9 S17 | S16 1955 Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor. Land, partially broken. Soil, sandy and rocky. Timber, sparce pinon and juniper trees in S. portion only. Undergrowth, sparce greasewood and range grass.
	From the cor. of secs. 9, 10, 15 and 16. S. 89° 59' W., between secs. 9 and 16. Across broken and rocky terrain.
10.66	Wash, 100 lks. wide, 3 ft. deep, drains S. 40° E. from N. 40° W.; ascend 110 ft. over a rolling, partially broken, general E. slope covered with various sizes of trachyte boulders.
39.99	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock and in a large mound of stone, 5 ft. base to top, with brass cap mkd., ¼ S9 / S16 1955 Continue across a boulder strewn N. slope.
57.12	Small wash, 20 lks. wide, 2 ft. deep, drains N. 30° E. from S. 30° W. onto a large flat; ascend 55 ft. over a series of spurs, which project N.
66.10	Small flat covered with many trachyte boulders of various sizes.
72.10	Ascend 80 ft. over a N.E. rocky slope.
74.60	Top of spur; projects N. 4 chs. to broad flat desert terrain; descend 60 ft. over a N.W. rocky slope to cor.
79.98	The cor. of secs. 8, 9, 16 and 17. Land, rolling and partially broken. Soil, sandy, with many trachyte rocks. Timber, very sparce pinon and juniper. Undergrowth, rabbit brush, and range grass.
	From the cor. of secs. 4, 5, 32 and 33, on the S. boundary of the township. N. 0° 03' W., between 32 and 33. Across bottom land of the South Desert Wash; descend 70 ft. over a rolling N.E. slope.

chains	
8.70	Enter onto bottom land.
17.43	Wash, 70 lks. wide, 4 ft. deep, drains E. from S. 30° W.; continue across bottom land.
26.38	Wash, 30 lks. wide, 3 ft. deep, drains S. 65° E. from N. 65° W.; ascend 30 ft. over a S. slope.
35.47	Top of round clay hill; descend 30 ft. over N. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	¼ S32 | S33 1955
	Raise a mound of stone, 3 ft. base, 30 ins. high, W. of cor.
	Continue across bottom land terrain of the South Desert Wash; through moderate to heavy growths of sagebrush and tamerisk.
64.35	Across a series of small sand knolls.
79.00	South Desert Wash, 100 lks. wide, 7 ft. deep, drains generally S. over a very meandering course, from N. 40° W.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,
	T28SR7E S29 | S28 S32 | S33 1955
	Raise a mound of stone, 2½ ft. base, 30 ins. high, W. of cor.
	Land, bottomland. Soil, sand. Timber, none. Undergrowth, sagebrush and tamerisk.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township.
	N. 0° 03' W., between secs. 31 and 32.
	Across an anticline which is cut by many deep canyon washes; descend 105 ft. over a N.E. slope.
9.33	Canyon wash, 30 lks. wide, 22 ft. deep, drains E. from S. 65° W.; ascend 40 ft. over a S. slope.
17.59	Descend 55 ft. over a N.E. slope.
21.69	Canyon wash, 40 lks. wide, 28 ft. deep, nearly vertical walls of shale and gypsum rock, drains N. 70° E. and S. 70° W.
28.13	Canyon wash, 50 lks. wide, 90 ft. deep, drains N. 65° E. from S. 75° W.; descend 40 ft. over a N.E. slope.

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Portion of the Subdivision, T. 28 S., R. 7 E.

chains	
	drains E.
35.05	Wash, 150 chs. wide, 80 ft. deep/vertical walls of shale and gypsum; ascend 40 ft. over a S. slope.
38.40	Descend 20 ft. over a N.E. slope to cor.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid shale rock, and in a mound of stone, 2 ft. base to top, with brass cap mkd.,
	¼ S31 | S32 1955
	Descend 140 ft. over a steep N.E. to N. slope.
50.26	Canyon Wash, 60 lks. wide, 75 ft. deep vertical walls, drains N. 70° E. from N. 65° E.; ascend 105 ft. over a S.E. slope.
51.60	Top of ascent; descend 65 ft. over a N.E. slope.
69.23	Ascend 50 ft. over a S. slope of a small clay hill.
74.78	Top of hill; descend 25 ft. over a N. slope to cor.
79.25	Point for the witness cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid shale rock, and in a mound of stone, 2½ ft. base to top, with brass cap mkd.,
	W C T28SR7E S30 | S29 S31 | S32 1955
79.50	Rim of canyon, bears N. 65° E. and S. 65° W.; descend abruptly 80 ft. over a series of cliffs and ledges.
80.00	True point for the cor. of secs. 29, 30, 31 and 32, falls on inaccessible ledge.
	Land, anticline, cut by deep gorges. Soil, shale and gypsum. Timber, none. Undergrowth, rabbit brush and sparce range grass.
	S. 89° 57' E., between secs. 29 and 32.
	Over deep broken canyons and rolling clay hills; ascend abruptly 65 ft. over series of cliffs and ledges which bear N. 65° E. and S. 65° W.
1.20	Rim of canyon, bears N. 65° E. and S. 65° W.; descend 180 ft. over a gradual, partially broken, N. E. slope.
39.98	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.,

Portion of the Subdivision, T. 28 S., R. 7 E.

chains	
	$\frac{1}{4}\frac{S29}{S32}$ 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, N. of cor.
	Continue across bottom land of the South Desert Wash, through a moderate growth of sagebrush and over numerous sand knolls and hills.
60.80	Wash, 60 lks. wide, 4 ft. deep, drains N. 70° E. from S. 60° W.; continue across sandy bottom land.
78.30	South Desert Wash, 100 lks. wide, 7 ft. deep, drains S. 40° E. from N. 30° W. on a very meandering course.
79.96	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling, partially broken, to bottom land. Soil, shale, sand clay and sand. Timber, none. Undergrowth, rabbit brush, sagebrush, tamerisk and range grass.

General Description

Township 28 South, Range 7 East is separated into three distinct areas of topographic relief and geologic structure. The southeastern portion of the township is a broad, blue clay flat, which is completely surrounded by rolling clay hills. The west portion is isolated from the rest of the township by a 300 ft. brown shale cliff, which crosses the south boundary of Sec. 33 and bears northwest, running continously through the township to the north boundary of Sec. 6. This isolated region is called the South Desert, and consists chiefly of a large meandering wash and rolling sand hills. The remainder and largest portion of the township is made up of broken bedrock and mountainous terrain, with many deep gorges and steep slopes. This is known as the "Hartnet".

The drainage of the township is made by three independent systems. The South Desert is drained southward by the large South Desert Wash. The Hartnet region is drained by several large washes that flow northeasterly, where as, the clay flats drain in a southeast direction through a series of small washes.

The soil found within the township varies from a fine-grained clay to coarse sand, and supports a moderate growth of desert plants. Juniper and pinon trees are sparcely scattered throughout the township.

Access to the township is gained by the Blue Flats - Fremont Road. This is an unimproved dirt road which enters the township on the south boundary of Sec. 36, runs northwesterly, and leaves on the north boundary of Sec. 5.

Uranium mining locations are staked extensively throughout the township; otherwise, no evidence was found, during the progress of this survey, of any surface mineral.

4-030
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Transitman
Harvey J. Parker	Notekeeper
Walter E Furen	Chainman
Lowell Q. Hermansen	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, i
pursuance of special instructions bearing date of the 15th day of April 1955,
I have ~~surveyed~~ independently resurveyed a portion of the south boundary, surveyed
the north, east, and west boundaries and a portion of the south boundary, and a
portion of the subdivision of Township 28 South, Range 7 East

of the Salt Lake Meridian, in the State of Utah, which a
represented in the foregoing field notes as having been executed by me and under my direction; and th
said survey has been made in strict conformity with said instructions, the Manual of Instructions for t
Survey of the Public Lands of the United States, and in the specific manner described in the foregoi
field notes.

February 11, 1955 — Kenneth F. Hansen
Salt Lake City, Utah — Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JUL 10 1956, *19*

The foregoing field notes of the ~~survey of~~ independent resurvey of a portion of the south boundary, surveyed the north, east, and west boundaries, and a portion of the south boundary, and a portion of the subdivision of Township 28 South, Range 7 East, Salt Lake Meridian, Utah.
executed by Kenneth F. Hansen
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

ORIGINAL

4—679
(September 1948)

359

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Dependent Resurvey

of the

South Boundary

of

Township 28 South, Range 8 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Andrew Nelson and Robert C. Yundt

Under special instructions dated June 30, 1949 and / supplemental special instructions dated March 14, 1952. *, 19*____, *which provided*

for the surveys included under Group No. 372-Utah, *approved* July 18, 1949 and April 14, 1952

and assignment instructions dated August 8, 1949 and June 18, *, 19* 52

Survey commenced August 20, 1949 *, 19*____

Survey completed August 13, 1952 *, 19*____

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 28 South, *Range* 8 East

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16—56770-1

Lines ruled in red resurveyed by Andrew Nelson ———

Lines ruled in blue resurveyed by Roubert C. Yundt ———

S. Bdy., T. 28 S., R. 8 E.

Chains	
	The following field notes are those of a dependent resurvey of the south boundary of T. 28 S., R. 8 E. This boundary was originally surveyed by A. D. Ferron, in 1883. In 1919, Elliot Bird in establishing the cor. of Ts. 28 S., Rs. 8 and 9 E., retraced the east two miles of this boundary.
	The dependent resurvey of the south boundary of T. 28 S., R. 8 E., is provided for in the special instructions for the survey and resurvey of Group 372, Utah, dated June 30, 1949, and supplemental special instructions dated March 14, 1952. Under special instructions for Group 372, Utah, dated June 30, 1949, Robert C. Yundt resurveyed the north boundary of sec. 3, and the west half mile of the north boundary of sec. 2, T. 29 S., R. 8 E. The remainder of the boundary was resurveyed by Andrew Nelson, under supplemental special instructions for Group 372, dated March 14, 1952, in conjunction with his surveys in T. 28 S., R. 8 E., under special instructions dated June 26, 1952.
	The survey was executed with a W. & L. E. Gurley transit, serial No. 38871. The instrument is constructed in accordance with the standard specifications of the Bureau of Land Management. The horizontal limb has two double verniers placed opposite to each other and read to single minutes of arc, which is also the least count of the vernier of the vertical circle. The instrument was equipped with a Smith solar attachment which was not used during the progress of this survey. It is in good condition and was frequently tested and kept in good adjustment. The bearings of the lines of the survey were determined by deflection angles from true meridians which were determined by hour angle observations made upon Polaris during the progress of the survey. These observations were made almost daily and the lines of the survey were carried forward by transit lines, using the mean of double fore and back sights.
	The geographic position of the south east corner of the township as computed from U. S. Coast and Geodetic Survey triangulation station "Black", located in unsurveyed sec. 30, T. 28 S., R. 8 E., is as follows.
	Latitude 38° 19' 27.3" N. Longitude 110° 59' 22.9" W.
	The mean magnetic declination at a number of instrument stations was found to be 16° 15' E.
	Station "Black" is reported as being in latitude 38° 21' 02.598" N., and longitude 111° 05' 28.086" W.
	Dependent Resurvey of the North Boundary of T. 29 S., R. 8 E. and establishment of section and ¼ sec. corners, S. Bdy., T. 28 S., R. 8E.
	Reestablishment of surveys executed by A. D. Ferron, in 1883 and retracement by Elliot Bird, in 1919.
	Beginning at the cor. of Ts. 28 S., Rs. 8 and 9 E., marked by an iron post, 3 inches diam., conforming to the record of the 1919 resurvey.
	N. 89° 45' W., along the S. bdy. of sec. 36, T. 28 S., R. 8 E.
	Over abrupt ledgy SE. breaks of point from South Caineville Mesa; ascend 980 ft.
3.22	The closing cor. of Ts. 29 S., Rs. 8 and 9 E., marked by an iron post, 3 inches diam., conforming to the record of the 1919 survey.
	Continue abrupt ascent over nearly inaccessible breaks.
27.30	Top of E. rim of point from mesa and top of vertical ledge 100 ft. high, bears S. 15° W., and N. 15° E. about 25 chs. to point; thence over rolling and broken top of point from mesa, through scattered scrub juniper and pinon timber and undergrowth of weeds and browse.

Chains	
39.56	Point for the ¼ sec. cor. for S. bdy. of sec. 36, T. 28 S., R. 8 E., at proportionate distance; there is no remaining evidence of the original corner monument. Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked ¼ S36 1952 Continue over rolling and broken top of mesa, the N. rim of which is North, about 15 chs. dist.
43.22	Point for the N. ¼ sec. cor. of sec. 1, T. 29 S., R. 8 E., at a westing of 40.00 chs. from the cor. of Ts. 29 S., Rs. 8 and 9 E. Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked ¼ S 1 1952
79.12	The original cor. of secs. 1, 2, 35, and 36, marked by a gray sandstone, 20 x 15 x 6 inches., firmly set in a small mound of stone, marked 1 notch on E. edge and 5 notches on W. edge; cor. is witnessed by a small mound of stone to the W. At the cor. point, mark a cross (X) on the sandstone surface rock, over which Set an iron post, 30 inches long, 2½ inches diam., in a large mound of stone to top, with brass cap marked T28S R8E S35 | S36 S 2 | S 1 T29S 1952 Cor. is set 27 lks. S. of the N. rim of point from the South Caineville Mesa. Land, broken SE. breaks and rolling top of point from the South Caineville Mesa. Soil, clay and shale on breaks and shallow sand and clay on top of mesa. Timber, a few scattered scrub juniper and pinon and undergrowth of browse and weeds on mesa top.
	S. 88° 33' W., bet. secs. 2 and 35. Over rolling top of point from the South Caineville Mesa, through very scattered scrub juniper and pinon timber and undergrowth of browse and weeds.
5.20	Top of nearly vertical sandstone ledge, about 100 ft. high, at the W. rim of point from the South Caineville Mesa, bears S., and N. about 2.50 chs., thence easterly; descend 1150 ft. to the ¼ sec. cor. over nearly inaccessible sandstone and shale breaks of mesa.
41.93	The original ¼ sec. cor. of secs. 2 and 35, marked by a sandstone, 15 x 10 x 10 inches, firmly set in a small mound of stone, marked ¼ on N. face.

S. Bdy., T. 28 S., R. 8 E.

Chains	
	At the cor. point
	Set an iron post, 3 ft. long, 1 inch diam., 28 inches in the ground, with brass cap marked 1/4 S35 S 2 1949
	Bury the original cor. stone alongside the post and raise a mound of stone around same.
	Cor. set near base of the talus slope of the breaks of mesa, at the N. base of low clay hills to the S.
	N. 89° 34' W., beginning new measurement.
5.00	Top of the E. bank of the Dirty Devil River, 10 ft. high, bears SW. and N. 30° E.; thence across channel of river.
11.10	The Dirty Devil River, stream 2.80 chs. wide, 4 inches deep, flows N. E.
13.90	Top of W. bank of river, 10 ft. high, bears NE. and SW.; thence across patches of cultivated land.
39.60	Utah State Highway No. 24, unimproved, at the W. side of cultivated land, bears northerly to Hanksville, Utah, and southerly to Fruita, Utah.
39.91	Point for the cor. of secs. 2, 3, 34, and 35, at proportionate distance; there is no remaining evidence of the original cor. The true point for cor. falls in bottom of small canal which flows northerly; highway crosses bridge over canal about 70 lks. to the N. of line.
	Land, broken sandstone and shale breaks of the South Caineville Mesa and rolling bottom lands of the Dirty Devil River. Soil, deep clay and sand in the bottom lands and blue clay and shale on the breaks. Timber, a few scattered scrub cottonwood along the bottom lands of river. Undergrowth, greasewood and weeds in bottom lands of river; breaks of mesa are nearly void of vegetation.
	From the true point for the cor. of secs. 2, 3, 34, and 35.
	N. 89° 34' W., bet. secs. 3 and 34.
0.33	Point for the witness cor. of secs. 2, 3, 34, and 35.
	Set an iron post, 3 ft. long, 2 inches diam., 28 inches in the ground, with brass cap marked T28SR8E S34 | S35 WC S 3 | S 2 T29S 1949
	Raise a small mound of stone around the cor. monument.
6.20	Sandstone ledge, bears NE. and SW.
22.20	Top of shale reef, faces W. and bears N. 20° E. and S. 20° W., desc. abrupt W. slope.

Chains	
25.40	Base of abrupt descent, bears N. and S., descend gradually.
39.32	Point for the ¼ sec. cor. of sec. 34, S. Bdy., T. 28 S., R. 8 E., at an easting of 40.00 chs. from the cor. of secs. 33 and 34. Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S34 1952 Raise a small mound of stone around the post.
39.91	Point for the N. ¼ sec. cor. of sec. 3 at proportionate distance; there is no remaining evidence of the original ¼ sec. cor. of secs. 3 and 34. Set an iron post, 3 ft. long, 1 inch diam., 28 inches in the ground with brass cap marked ¼ S 3 1949 Raise a small mound of stone around the post. Continue on same line with continous measurement.
40.15	Wash in bottom of wide draw, drains N.
53.20	Gravelly spur, 165 ft. above wash, slopes N.; descend broken NW. slope.
64.00	Draw, 100 ft. below spur, drains N. 20° E.; ascend NE. slope.
79.32	Point for the cor. of secs. 33 and 34, S. Bdy., T. 28 S., R. 8 E., established at a departure of 80.00 chs. west of the cor. of secs. 26 and 27, on the N. bdy. of sec. 35. Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S33|S34 T29SR8E S3 1952 Raise a large mound of stone around the iron post. Cor. set on small spur sloping NE.
79.82	The ori inal cor. of secs. 3, 4, 33, and 34, which is marked by a sandstone, 30 x 14 x 10 inches, firmly set, marked 3 notches on E. and W. edges. Cor. now refers to secs. 3 and 4 only. At the corner point Set an iron post, 3 ft. long, 2 inches diam., 30 inches in the ground, with brass cap marked T28SR8E S33 S 4|S 3 T29S 1949 Bury the stone cor. monument alongside the iron post and raise a

Chains	
	mound of stone around same.
	Cor. set on general NE. slope, 120 ft. above draw.
	Land, broken shale and clay hills. Soil, blue clay and shale. No timber. Undergrowth, very scattered shadscale, greasewood, and browse.
	N. 89° 50' W., along the N. bdy. of sec. 4, T. 29 S., R. 8 E.
	Ascend general NE. and E. slopes of broken clay and shale hills, through very scattered undergrowth.
15.20	Top of ascent on N. slope of peak, 160 ft. above cor., bears N. and S.
33.70	Shallow draw, drains N., 110 ft. below top of ascent; continue descent.
35.10	Top of rim, 75 ft. high, faces W. and bears N. and S.; descend abrupt W. slope.
39.50	Point for the ¼ sec. cor. of sec. 33, at a westing of 40.00 chs. from the cor. of secs. 33 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to solid rock and in a mound of earth and stone to top, with brass cap marked ¼ S33 1952
40.86	The original ¼ sec. cor. of secs. 4 and 33, marked by a sandstone, 14 x 12 x 3 inches., firmly set, marked ¼ on N. face. This cor. now functions for the ¼ sec. cor. of sec. 4, T. 29 S., R. 8 E. only.
	At the corner point.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S 4 1952
	Bury the original cor. stone alongside the iron post, and raise a large mound of stone around same.
	N. 89° 41' W., beginning new measurement.
	Continue descent over W. slope.
3.20	Large main shallow draw, 120 ft. below rim, drains N.; ascend gradually over general E. slope.
29.40	Small draw, drains N.
35.80	Small draw, drains N.
38.64	Point for the cor. of secs. 32 and 33, at a westing of 80.00 chs. from the cor. of secs. 33 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked

Chains	
	T28SR8E S32|S33 S4 T29S 1952 Raise a small mound of stone around the post.
40.51	Point for the cor. of secs. 4 and 5, T. 29 S., R.8 E., at proportionate distance; there is no remaining evidence of the cor. originally set for secs. 4, 5, 32, and 33 found. Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S32 S 5|S 4 T29S 1952 Raise a mound of stone around the post. Cor. is 50 ft. above at the 3.20 ch point. Land, rolling bottom lands and broken slopes of reefs. Soil, deep clay and shallow clay and shale. No timber except a few scattered cottonwood along bottom lands of Dirty Devil River. Undergrowth, greasewood, shadscale, browse, and weeds.
	N. 89° 41 ' W., along the N. bdy. of sec. 5, T. 29 S., R. 8 E. Ascend gradually over rolling and broken blue clay hills nearly void of vegetation.
38.13	Point for the ¼ sec. cor. of sec. 32 at a westing of 40.00 chs. from the cor. of secs. 32 and 33. Set an iron post, 30 inches long, 2½ inches diam., 25 inches in the ground, with brass cap marked ¼ S32 1952 Raise a small mound of stone around the post.
40.51	The original ¼ sec. cor. of secs. 5 and 32, marked by a trachyte stone, 12 x 10 x 6 inches, firmly set in a small mound of stone, marked ¼ on N. face. This ¼ sec. cor. will now function for sec. 5 only. At the corner point Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S 5 1952 Bury the stone cor. monument alongside the iron post and raise a small mound of stone around same. Corner is 90 ft. above the cor. of secs. 4 and 5.

Chains	
	N. 89° 18' W., beginning new measurement.
	Continue over broken blue clay hills.
15.20	Shallow draw, drains SE.
25.00	Shallow draw, drains S. 60° E. from the W.; thence ascend gradually along general bottom of draw.
37.62	Point for the cor. of secs. 31 and 32, T. 28 S., R. 8 E., at a westing of 80.00 chs. from the cor. of secs. 32 and 33. Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S31|S32 S 5 T29S 1952 Raise a small mound of stone around the post.
39.80	The original cor. of secs. 5, 6, 31, and 32, marked by a sandstone, 16 x 10 x 3 inches, firmly set in the ground and small mound of stone, with no visible marks. This cor. will now function for secs. 5 and 6 only. At the cor. point Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked T28SR8E S31 S 6|S 5 T29SR8E 1952 Bury the original cor. monument alongside the iron post and raise a small mound of stone around same. Cor. set on general E. slope at head of draw draining easterly. Land, rolling and broken clay hills. Soil, clay and shale, with sandy patches. No timber. Undergrowth, very scattered browse and weeds.
	S. 89° 49' W., along the N. bdy. of sec. 6, T. 29 S., R. 8 E. Over broken clay hills and breaks; ascend 350 ft. over general E. slope to top of rim.
14.30	Base of nearly vertical shale and sandstone rim, bears N. and S.
15.00	Top of rim, 100 ft. high, bears N. and S.; continue ascent of 100 ft. to top of peak.
18.40	Top of peak.
19.00	Begin descent over SW. slope of peak.
29.70	Small wash at base of descent from peak, 295 ft. below top, drains S.; continue descent of 220 ft. to the ¼ sec. cor.
37.82	Point for the ¼ sec. cor. of sec. 31, at a westing of 40.00 chs.

Chains	
	from the cor. of secs. 31 and 32. No cor. set.
40.99	Point for the ¼ sec. cor. of sec. 6, at proportionate distance; there is no remaining evidence of the original ¼ sec. cor.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked ¼ S 6 1952
	Cor. set on gradual SW. slope.
	Continue on same line with continuous measurement.
	Descend 140 ft. to the township cor.
54.90	Bend in draw, drains SW. from the SE.
60.50	Small wash in shallow draw, drains SW.
74.80	Small wash, in shallow draw, drains SW.
80.60	Small wash, drains S.
80.75	The cor. of Ts. 28 and 29 S., Rs. 7 and 8 E., which is marked by a sandstone, 20 x 8 x 5 inches, firmly set in the ground and mound of stone, marked 6 notches on E. and S. edges.
	At the cor. point
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked T28S R7ER8E S36 | S31 S 1 | S 6 T29S 1952
	Land, broken clay and shale hills. Soil, clay, shale, and rock. Timber, a few scattered scrub juniper and pinon. Undergrowth, shadscale, greasewood, browse, and weeds.

For general description see notes of subdivision of Township 28 South, Range 8 East.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Principal Assistant
Allen L. Tuft	Principal Assistant
Ivan C. Decker	Principal Assistant
Carl E. Jahr	Chainman
William D. Bowes	Chainman
Bryce Chappell	Flagman
William E. Benison	Flagman
Robert E. Hanson	Cornerman
Robert L. Bets	Cornerman
James D. Davis	Cornerman
Ronald Simmons	Axeman

370

CERTIFICATE OF CADASTRAL ENGINEER

We
~~I~~, Andrew Nelson and Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30th day of June, 1949 and supplemen special instructions dated March 14, 1952.

We ~~I~~ have ~~surveyed~~ dependently resurveyed those portions of the south boundary of Townsh 28 South, Range 8 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by us ~~me~~ and under our ~~my~~ direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

February 28, 1955

Andrew Nelson
Cartographer-Cadastral

Robert C. Yundt
Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 25 1955, *19*

The foregoing field notes of the ~~survey of~~ dependent resurvey of the south boundary of Township 28 South, Range 8 East of the Salt Lake Meridian, Utah.

executed by Andrew Nelson and Robert C. Yundt

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
~~Chief, Division of Cadastral Engineering~~
Cadastral Engineering Staff Officer

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing ~~transcript~~ of the field notes of the above-described surveys in _____, is a true copy of the original ~~field~~ notes.

~~Chief, Division of Cadastral Engineering.~~

U. S. GOVERNMENT PRINTING OFFICE 16—53563-2

ORIGINAL

3

4—979
(September 1945)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of Part of the North Boundary

and

Dependent Resurvey and Survey

of

Portions of the Subdivision

of

Township 28 South, Range 8 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Andrew Nelson

Under special instructions dated June 26, 1952, *19*, *which provided for the surveys included under Group No.* 383-Utah, *approved* July 8, 1952 *and assignment instructions dated* June 26, 1952, *19*

Survey commenced July 16, 1952, *19*

Survey completed August 13, 1952, *19*

U. S. GOVERNMENT PRINTING OFFICE 16—50770-1

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16—56770-1

1385

T. 28 S., R. 8 E.

Chains

The following field notes of T. 28 S., R. 8 E., Salt Lake Meridian, Utah, are those of a dependent resurvey of secs. 35 and 36, and the south half mile between secs. 25 and 26, and survey of the east three miles of the north boundary and the boundaries of all the sections except secs. 4 to 9 inclusive, 17 to 20 inclusive, and 29 to 31 inclusive.

The south two miles of the east boundary, was originally surveyed by A. D. Ferron, in 1883. In 1934, C. F. Moore and J. C. Clark, in completing the survey of T. 28 S., R. 9 E., surveyed the north 4 miles and retraced the south two miles of the boundary. In 1949, under instructions for the survey of Group 372, Utah, R. C. Yundt dependently resurveyed the south two miles of this boundary. Secs. 35 and 36, and the south half mile between secs. 25 and 26, was surveyed by A. D. Ferron, in 1883. The south boundary was surveyed by A. D. Ferron in 1883 and dependently resurveyed by R. C. Yundt and Andrew Nelson in 1949 and 1952.

The survey was executed with a W. & L. E. Gurley transit, serial No. 38871. The instrument is constructed in accordance with the standard specifications of the Bureau of Land Management. The horizontal limb has two double verniers placed opposite to each other and read to single minutes of arc, which is also the least count of the vernier of the vertical circle. The instrument was equipped with a Smith solar attachment which was not used during the progress of this survey. It is in good condition and was frequently tested and kept in good adjustment. The bearings of the lines of the survey were determined by deflection angles from true meridians which were determined by hour angle observations made upon Polaris during the progress of the survey. These observations were made almost daily and the lines of the survey were carried forward by transit lines, using the mean of double fore and back sights.

The geographic position of the southeast corner of the township as computed from U. S. Coast and Geodetic Survey, triangulation station "Black", located in unsurveyed sec. 30, T. 28 S., R. 8 E., at a point S. 83° 25' W., 122.45 chs. dist. from the cor. of secs. 20, 21, 28, and 29, of said township, is as follows:

Latitude 38°19'27.3" Longitude 110°59'22.9"

The mean magnetic declination at this point was found to be 16° 15' E.

Station "Black" is reported as being in latitude 38° 21' 02.598" N., and longitude 111° 05' 28.086" W.

SURVEY OF A PORTION OF THE NORTH BOUNDARY OF T. 28 S., R. 8 E.

Beginning at the cor. of Ts. 27 and 28 S., R. 8 E., marked by an iron post, 3 ins. in diam., conforming to the record of the 1934 survey.

West, bet. secs. 1 and 36.

Over rolling and broken land, through scattered undergrowth; ascend 190 ft. over general E. slope to rim.

9.00 Shallow wash, 15 lks. wide, drains SE.; continue ascent.

22.10 Rim, 25 ft. high, bears N. 20° W. and S. 20° E.; descend 145 ft. over general W. slope to wash.

39.80 Point for the witness ¼ sec. cor. of secs. 1 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to solid rock and in a large mound of stone to top, with brass cap marked

SURVEY OF A PORTION OF THE NORTH BOUNDARY OF T. 28 S., R. 8 E.

Chains	
	WC S36 ¼ ← S 1 1952
40.00	True point for the ¼ sec. cor. falls in edge of wash where it is impracticable to set a permanent cor.
40.50	Bottom of wide wash, drains SW., in shallow draw; ascend 50 ft. over SE. slope to ridge.
55.50	Sandstone ridge, bears S. W. and N. E.; descend 160 ft. to main wash.
63.40	Shallow wash, 10 lks. wide, drains SW.
70.20	Bottom of main wash, drains S.; ascend 50 ft. to cor.
80.00	True point for the cor. of secs. 1, 2, 35, and 36, falls on top of clay point where it is impracticable to set a cor., therefore, at a point, 15 lks. N. of the true point for cor; which is the point for the witness cor. of secs. 1, 2, 35, and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 25 inches in the ground, with brass cap marked
	T27SR8E S35 | S36 S 2 | S 1 ↓ T28S W C 1952
	Raise a small mound of stone around the iron post.
	Land, rolling and broken. Soil, clay, sand, and rock. No timber. Undergrowth, browse, grass, and weeds.
	From the true point for the cor. of secs. 1, 2, 35, and 36, which is South, 15 lks. dist. from the witness cor.
	West, bet. secs. 2 and 35.
	Over rolling and broken desert land, through very scattered scrub juniper and pinon timber and undergrowth; ascend 160 ft. to ridge.
6.90	Small winding wash, 10 lks. wide, drains NE.
9.50	Broken sandstone and shale rim, 30 ft. high, bears NW. and SE.
13.80	Low sandstone ridge, bears NW. and SE.; continue over rolling land and sandstone outcroppings.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 inches long, 2½ inches in diam., 10 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked
	¼ S35 S 2 1952
	Continue over rolling land with sandstone outcroppings.
69.00	Begin abrupt descent over W. slope into large wide draw or valley.
78.30	Wash, 40 lks. wide, in large wide draw, 160 ft. below top of abrupt descent, drains S. 20° W.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.

SURVEY OF A PORTION OF THE NORTH BOUNDARY OF T. 28 S., R. 8 E.

Chains	
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T27SR8E S34 | S35 S 3 | S 2 T28S 1952
	Raise a small mound of stone around the post.
	Land, rolling and broken. Soil, clay, sand, and rock. Timber, a few scattered scrub juniper and pinon. Undergrowth, scattered browse and weeds.
	West, bet. secs. 3 and 34.
	Over rolling and broken shale and clay hills, through very scattered scrub juniper and pinon timber; ascend 100 ft. over an abrupt S. slope to spur.
3.70	Short spur, slopes S.; descend 160 ft. to the ¼ sec. cor.
10.60	Shallow wash, 8 lks. wide, drains SW.
30.00	Wash, 15 lks. wide, drains NW.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 14 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked 34 4 3 1952
	Cor. set on gradual NW. slope in small water course, drains NW.
42.00	Recross same wash, as crossed at the 30 ch. point, 15 lks. wide, drains SW.
54.70	Wash, 20 lks. wide, drains S.
61.70	Wash, 8 lks. wide, drains SE.
72.00	Flat wash, 5 lks. wide, drains S.; ascend 200 ft. over an abrupt E. slope to the sec. cor.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T27SR8E S33 | S34 S 4 | S 3 T28S 1952
	Raise a small mound of stone around the post.
	Note: The survey of the boundary was discontinued at this cor.
	Land, broken and rolling clay and shale hills with sandstone outcroppings. Soil, clay and shale, with sand and rock. Timber, a few scattered scrub juniper and pinon.

Chains	
	Undergrowth, scattered browse and weeds.
	DEPENDENT RESURVEY AND SURVEY OF A PORTION OF THE SUBDIVISION, T. 28 S., R. 8 E.
	Reestablishment of surveys executed by A. D. Ferron, in 1883.
	Beginning at the cor. of secs. 1, 2, 35, and 36, an iron post, 2½ inches diam., conforming the the record, on the S. bdy. of the Tp.
	N. 0° 46' W., bet. secs. 35 and 36.
	Over broken top of point from the South Caineville Mesa.
0.27	Top of nearly vertical rim of mesa, 100 ft. high, bears E. and W., about 5 chs. dist., thence southerly; descend 1147 ft. over nearly inaccessible N. face of breaks of mesa.
30.00	Base of breaks of mesa, bears easterly and westerly; thence over talus slope of breaks.
33.98	Point for the witness ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked
	W C ¼ S35 | S36 1952
	Raise a small mound of stone around the cor. monument.
36.20	Top of right bank of the Dirty Devil River, vertical and 12 ft. high, bears E. and W.; thence across channel of river.
39.75	True point for the ¼ sec. cor. of secs. 35 and 36, at proportionate distance; there is no remaining evidence of the original ¼ sec. cor. and true point for same falls in channel of river where it is impracticable to set a permanent cor.
50.00	The Dirty Devil River, stream, about 2.50 chs. wide, 4 ins. deep, flows easterly for about 20 chs., thence northeasterly; continue across channel of river.
58.30	The left bank of river, bears NE. and SW.; thence over brush bottom lands of river.
64.00	Leave brush and enter cultivated land, bears E. and W.
76.00	Utah state Highway No. 24, unimproved, at the N. side of cultivated land, bears N. 80° E. to Hanksville, Utah, and S. 80° W. to Fruita, Utah.
76.25	Small irrigation canal, flows N. 80° E.; enter broken clay and shale hills, bears with canal.
79.50	The original cor. of secs. 25, 26, 35, and 36, marked by a trachyte, 18 x 8 x 8 inches, firmly set in the ground and mound of stone, marked 1 notch on E. and S. edges.
	At the cor. point,
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked

Chains	
	T28SR8E S26 | S25 S35 | S36 1952
	Bury the original cor. monument alongside the iron post, and raise a large mound of stone around same.
	Land, S. portion of mile is nearly inaccessible breaks of South Caneville Mesa; N. portions is rolling and level bottom lands of the Dirty Devil River. Soil, clay and shale on the breaks and seep clay and sand loam in bottom lands of river. Timber, a few scattered cottonwood along bottom lands of river. Undergrowth, dense rabbit brush and greasewood along bottom lands of river; breaks of mesa is void of vegetation.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, which is marked by an iron post, 2 inches diam., conforming to the record of the 1949 resurvey.
	S. 89° 58' W., bet. secs. 25 and 36.
	Over bottom lands of the Dirty Devil River, through medium dense undergrowth.
34.00	Wash, drains S. to its junction with the river.
40.10	Point for the ¼ sec. cor. of secs. 25 and 36 at proportionate distance; there is no remaining evidence of the original ¼ sec. cor.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S25/S36 1952
	Raise a small mound of stone around the post.
	Cor. is located about 1 ch. N. of bank of river, and 1 ch. S. of cultivated field.
42.30	Top of vertical left bank of the Dirty Devil River, 12 ft. high, bears NW. and SE.; thence across bend in channel of river.
42.60	The Dirty Devil River, stream 40 lks. wide, 4 inches deep, flows southeasterly; continue across channel of river.
50.50	Recross river, flows northeasterly.
51.00	Top of left bank of river, vertical and 12 ft. high, bears NE. and SW.; thence across bottom lands of river.
65.00	Utah State Highway No. 24, unimproved, at W. side of bottom lands of river, bears N. 80° E. and S. 80° W.; thence over broken clay hills.
70.00	Small irrigation canal, flows N. 80° E.
80.20	The cor. of secs. 25, 26, 35, and 36, 90 ft. above road.
	Land, bottom lands of the Dirty Devil River. Soil, deep clay and sand loam. Timber, a few scattered cottonwood. Undergrowth, sage and rabbit brush, greasewood, and weeds.
	N. 0° 01' W., bet. secs. 25 and 26.

Chains	
	Over rough and broken clay and shale hills nearly void of vegetation; asc. steep S. slope.
2.60	Clay spur, slopes E., 50 ft. above cor.
13.50	Draw, 80 ft. deep, drains SE.; at a point 1 ch. NW., is junction of a draw from the SW.
20.60	Spur, 110 ft. above draw, slopes E.; descend N. slope.
23.90	Enter flat bottom of hollow, 125 ft. deep, bears E. and W.; thence across hollow which drains E.
28.50	The N. edge of hollow, bears E. and W.; ascend 85 ft. over steep S. slope.
30.50	Clay spur, projects E., about 3 chs. to end.
31.70	Draw near head, 50 ft. deep, drains E.
32.90	Spur, projects E., about 8 chs. to end; descend 110 ft. over N. slope.
36.00	Wash, 30 lks. wide, 6 ft. deep, in main draw or hollow, drains S. 70° E.; thence across bottom lands of hollow cut by numerous small washes.
40.00	Point for the ¼ sec. cor. of secs. 25 and 26 at record distance; there is no remaining evidence of the original ¼ sec. cor.
	The true point for the ¼ sec. cor. falls in small eroded wash where it is impracticable to set a cor.
	Thence with original survey, continuing line and measurement.
40.80	Point for the witness ¼ sec. cor. of secs. 25 and 26.
	Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground, with brass cap marked
	¼ S26 ↑ S25 WC 1952
	Deposit broken glass at the base of the post.
50.00	Small wash, drains S. 30° E. from N. 20° W.; thence along E. edge of draw which enters from N.
71.00	Draw, drains S. 20° W. from the N.; thence along bottom of draw.
75.60	Leave bottom of draw, drains from N. 30° E.; ascend abrupt E. slope of small clay spurs.
80.00	True point for the cor. of secs. 23, 24, 25, and 26, falls on an abrupt E. to SE. slope, where it is impracticable to set a cor.
	Land, broken clay hills. Soil, clay and shale, with sandstone outcroppings. No timber. Undergrowth, very sparse shadscale, browse, and weeds.
	From the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township, which is marked by an iron post, 2 inches diam., conforming to the record of the 1949 survey.

Subdivision, T. 28 S., R. 8 E.

Chains	
	N. 89° 58' W., bet. secs. 24 and 25.
	Over broken blue clay and shale hills, through very scattered short undergrowth; descend 30 ft. over W. slope of spur.
2.50	Base of descent; thence across wide bottom of draw.
7.70	Wash, 10 lks. wide, 5 ft. deep, drains S. 10° E.; ascend 160 ft.
14.10	Top of ascent on clay butte; descend 140 ft. to draw.
19.00	Small wash in draw, drains S.; ascend 70 ft. to ridge.
29.60	Top of clay spur, slopes S.; descend 65 ft. to the witness ¼ sec. cor.
31.80	Small wash, 5 lks. wide, 4 ft. deep, drains S.
32.60	Small wash, 6 lks. wide, 3 ft. deep, drains S. 10° E.
35.04	Point for the witness ¼ sec. cor. of secs. 24 and 25.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked WC ¼ ← S24/S25 1952
	Raise a small mound of stone around the post.
	Cor. set at base of abrupt ascent over E. slope.
40.12	True point for the ¼ sec. cor. of secs. 24 and 25, falls on steep shale E. slope, where it is impracticable to set a cor. monument.
	Continue abrupt ascent over general E. slope.
55.00	Top of high sharp ridge, 500 ft. above the witness ¼ sec. cor., bears S. 20° E. and N. 20° W.; descend 375 ft. over broken clay hills and washes to the true point for the sec. cor.
80.24	The true point for the cor. of secs. 23, 24, 25, and 26, which is S. 0° 01' E., 2.77 chs. dist. from the witness cor.
	Land, very rough and broken, with a general southerly exposure and drainage. Soil, clay and shale. No timber. Undergrowth, very scant browse and weeds.
	N. 0° 01' W., bet. secs. 23 and 24, counting distances from the true point for the cor. of secs. 23, 24, 25, and 26.
	Ascend abrupt E. slope of sharp clay spur, through very scattered short undergrowth.
2.77	Point for the witness cor. of secs. 23, 24, 25, and 26.
	Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground to solid shale, with brass cap marked T28S R8E S23 | S24 S26 | S25 ↓ W C 1952
	No stone available for mound.

Chains	
	Cor. set on top of sharp clay spur, 250 ft. above the ¼ sec. cor., projects S. 15° W.
	From this cor., the SW. point of a high mesa, bears N. 18° 50' E., about 30 chs.
	Flag at U. S. Coast and Geodetic Survey station "Black", bears S. 87° 20' W., about 5 miles dist.
	Ascend over broken W. breaks of point from top of North Caineville Mesa.
40.00	Point for the ¼ sec. cor. falls on face of breaks where it is impractical to set a cor. monument.
44.31	Point for the witness ¼ sec. cor. of secs. 23 and 24, on top of clay spur, 200 ft. above spur, projects W.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked.
	¼ W C S23 | S24 ↓ 1952
	Raise a small mound of stone around the post.
55.80	Top of sharp clay spur, 340 ft. above the true point for sec. cor., slopes abruptly to the W.; deseend 180 ft. to the sec. cor. over a series of sharp clay spurs, and deep gulches draining and projecting to the W.
59.90	Sharp clay spur, slopes W.
63.40	Sharp clay spur, slopes W.
67.00	Sharp clay spur, slopes W.
71.30	Low spur, slopes W.
76.20	Sharp clay spur, slopes W.
80.00	Point for the cor. of secs. 13, 14, 23, and 24.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked
	T28SR8E S14 | S13 S23 | S24 1952
	Raise a small mound of stone around the post.
	Land, broken W. breaks of North Caineville Mesa to the E. Soil, blue clay and shale. No timber and mile is nearly void of all vegetation.
	From the cor. of secs. 13 and 24, on the E. bdy. of the township, which is marked by an iron post, 2 inches diam., conforming to the record of the 1934 survey.
	S. 89° 58' W., bet. secs. 13 and 24.
	Over rolling top of the North Cainville Mesa, through scattered short undergrowth.

Chains	
38.20	Enter scattered scrub juniper and pinon timber, bears N. and S.
40.12	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24, on sandstone surface rock, mark a cross (X), over which .
	Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., in a large mound of stone to top, with brass cap marked
	$\frac{1}{4}$ S13 / S24 / 1952
	Continue over rolling top of mesa.
52.30	Shallow wash, 6 lks. wide, drains NE.
58.70	Top of W. rim of mesa, nearly vertical and 100 ft. high, bears N. 20° E. and S. 20° W.; descend 890 ft. over nearly inaccessible clay breaks and spurs which form the W. breaks of mesa, to the sec. cor.
80.24	The cor. of secs. 13, 14, 23, and 24.
	Land, rolling top and broken W. breaks of North Çainville Mesa. Soil, shallow sand and rock on top of mesa; shale and blue clay on W. breaks. Timber, scattered scrub juniper on W. part of mesa top. Undergrowth, short shadscale, browse, and weeds on top of mesa; the W. breaks of mesa is void of vegetation.
	N. 0° 01' W., bet. secs. 13 and 14.
	Descend gradually over numerous small clay spurs and gulches draining and putting to the NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14.
	Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 26 inches in the ground, with brass cap marked
	$\frac{1}{4}$ / S14 | S13 / 1952
	Raise a small mound of stone around the post.
	Cor. set in depression bet. two sharp clay points projecting NW.
	Continue over broken clay talus slope of high mesa to the E.
41.50	Sharp clay spur, slopes W.
53.30	Shallow wash, drains W.
55.80	Wash, 8 lks. wide, 135 ft. below the sec. cor., drains W.
57.80	Yellow clay spur, projects SW.
70.70	Shallow wash, drains SW.
80.00	Point for the cor. of secs. 11, 12, 13, and 14.
	Set an iron post, 30 inches long, $2\frac{1}{2}$ inches diam., 26 inches in the ground, with brass cap marked

Chains	
	T28SR8E S11 | S12 S14 | S13 1952 Raise a mound of stone around the post. Cor. set on steep W. slope, 180 ft. below the wash at the 55.80 chs. point. Land, broken talus slope of a high mesa to the E. Soil, blue clay and shale. No timber and mile nearly void of all vegetation.
	From the cor. of secs. 12 and 13, on the E. bdy. of the township, marked by an iron post, 2 inches diam., conforming to the record of the 1934 survey. N. 89° 56' W., bet. secs. 12 and 13. Over rolling and broken top of the North Caineville Mesa, through scattered short undergrowth.
3.80	Top of W. rim of the North Cainville Mesa, bears NE. and SW.; descend over nearly vertical rim about 100 ft. high and broken NW. breaks of mesa.
40.10	Point for the ¼ sec. cor. of secs. 12 and 13. Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S12 / S13 1952 Raise a small mound of stone around the post. Cor. set on NW. slope, 930 ft. below top of rim of mesa. Thence over more rolling blue clay hills.
61.70	Gravelly spur, projects S. 20° W.
64.40	Wash in draw, 15 ft. deep, drains S. 20° W.
79.30	Short spur, projects S.
80.20	The cor. of secs. 11, 12, 13, and 14, 110 ft. above the ¼ sec. cor. Land, broken blue clay and shale breaks. Soil, blue clay and shale. No timber. Undergrowth, very scattered scrub browse and weeds.
	N. 0° 01' W., bet. secs. 11 and 12. Over broken blue clay and shale hills, through very scattered short undergrowth.
11.90	Top of shale reef, 90 ft. high, faces NW. and bears N. 20° E. and S. 20° W.; descend.
26.40	Wide shallow draw, drains S. 30° W.
35.70	The NE. point of top of reef bearing SW.
36.90	Wash, 6 ft. deep, drains SE. around point of reef.

Subdivision, T. 28 S., R. 8 E.

Chains	
37.40	Recross wash, drains S. 10° W. from the NE.
40.00	Point for the ¼ sec. cor. of secs. 11 and 12.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked
	¼ S11|S12 1952
	Raise a mound of stone around the post.
	Cor. set on gradual E. slope, at the S. edge of small wash.
40.15	Small wash, drains E.
46.40	Small shallow wash, drains E.; thence across a series of broken clay hills.
74.30	Wash, 40 lks. wide, 8 ft. deep, drains S. 10° W.
80.00	Point for the cor. of secs. 1, 2, 11, and 12.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked
	T28SR8E S 2|S 1 S11|S12 1952
	Raise a mound of stone around the post.
	Cor. set on gradual E. slope, 1 chain to the W. of large wash draining S. 10° W.
	Land, rolling and broken clay and shale hills. Soil, blue clay and shale, with patches of sand. No timber. Undergrowth, very scattered shadscale, browse, and weeds.
	From the cor. of secs. 1 and 12, on the E. bdy. of the township, which is marked by an iron post, 2 inches diam., conforming to the record of the 1934 survey.
	N. 89° 54' W., bet. secs. 1 and 12.
	Descend 240 ft. from top of reef facing NW. and bearing NE. and SW., through very scattered scrub undergrowth.
30.40	Wash, 10 lks. wide, in draw, drains S. 30° W.; ascend 110 ft. to ridge.
37.60	Gravelly ridge, bears S. 30° E. and N. 30° W.; descend 25 ft. to the ¼ sec. cor.
40.13	Point for the ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground to solid rock and in a large mound of stone, with brass cap marked
	¼ S 1 S12 1952
	Cor. set on gentle S. slope.

Subdivision, T. 28 S., R. 8 E.

Chains	
	Ascend 30 ft. to ridge.
44.30	Ridge, bears N. 10° E. and S. 10° W.; descend 85 ft. to draw.
52.14	Shallow draw, drains SW.; ascend 50 ft. to ridge.
59.70	White clay ridge, bears N. 10° E. and S. 10° W.; descend 40 ft. to wash.
63.80	Shallow wash, 20 lks. wide, drains S. 20° W.; ascend 40 ft. to ridge.
69.00	Low ridge, bears N. 15° E. and S. 15° W.; descend 60 ft. to cor.
73.70	Small wash, drains S.
79.25	Wash, 40 lks. wide, drains S. 10° W.
80.26	The cor. of secs. 1, 2, 11, and 12.
	Land, broken clay and shale hills. Soil, clay and shale with patches of sand. No timber. Undergrowth, sparse shadscale, greasewood, and weeds.
	N. 0° 09' E., bet. secs. 1 and 2.
	Over rolling and broken clay and shale hills, through very scattered short undergrowth; ascend 80 ft. to the ¼ sec. cor.
5.40	Wash, 10 lks. wide, drains E., about 3 chs. to its junction with main wash draining S. 10° W.
7.25	Enter bend in main wash, drains S. 20° E. from N. 20° W.
11.30	Leave bend of wash, drains S. 20° W.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S 2|S 1 1952
	Raise a mound of stone around the post.
	Cor. set under small ledge facing S. and on the N. edge of small wash, drains E, about 6 chs. to its junction with main wash draining southerly.
42.80	Small wash, 6 lks. wide, 10 ft. deep, drains E.
43.20	Small wash, 6 lks. wide, 4 ft. deep, drains E.
68.40	Top of low sandstone ridge, 110 ft. above the ¼ sec. cor., bears E. and W.; 60 ft. to the true point for sec. cor.
71.80	Head of narrow wash, 40 ft. deep, drains NE.
79.60	Narrow wash, 25 ft. deep, drains E.
79.80	The true point for the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the township, which is South, 15 lks. dist. from the witness cor.
	Land, rolling and broken blue clay, shale and sandstone hills.

Chains	
	Soil, clay, sand, and shale. No timber. Undergrowth, very sparse short shadscale, greasewood, mountain rush, browse, and weeds.
	Dependent Resurvey of a Portion of the Subdivision, T. 28 S., R. 8 E. Reestablishment of surveys executed by A. D. Ferron, in 1883.
	From the true point for the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the township, which is S. 89° 34' E., 33 lks. dist. from the witness cor.
	N. 0° 01' E., bet. secs. 34 and 35.
	Over N. edge of bottom lands of the Dirty Devil River, through scattered undergrowth.
0.70	Utah State Highway No. 24, unimproved, bears N. 20° W. and S. 20° E.; thence through brush and over cultivated land.
13.40	Recross state highway, bears N. 20° E. and S. 20° W.; thence along broken general E. slope of clay and shale hills.
40.26	Point for the ¼ sec. cor. of sec. 34, established at a point which is a southing of 40.00 chs. from the cor. of secs. 27 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S34 | 1952
	Raise a small mound of stone around the post.
40.53	Point for the ¼ sec. cor. of sec. 35, at proportionate dist.; there is no remaining evidence of the original ¼ sec. cor. set for the secs. 34 and 35.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked | ¼ S35 1952
44.30	Top of nearly vertical shale rim at S. side of Caineville Wash, faces NW. and bears N. E. and S. W.; descend 180 ft. to bottom of wash.
55.00	Caineville wash, course S. 60° E.
59.80	Vertical bank at N. side of Caineville Wash, 10 ft. high, bears N. 60° W. and S. 60° E.; thence along the W. face of reef to the E.
80.26	Point for the cor. of secs. 27 and 34, on the W. bdy. of sec. 35, established at a point, due West of the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S27 | S34 | S35 1952

Chains	
	Raise a mound of stone, 3 ft. base, around the iron post.
81.06	The cor. originally set for secs. 26, 27, 34, and 35, which is marked by a sandstone, 18 x 10 x 8 inches, firmly set, marked 2 notches on E. edge and 1 notch on S. edge. This cor. will now function for the NW. cor. of sec. 35 only.
	At the cor. point:
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S27 | S35 1952
	Raise a mound of stone, 3 ft. base, 2 ft. high, to the SE. of the post.
	Land, broken shale and clay breaks. Soil, clay and shale on the breaks with deep sand and clay in the bottom lands of Cainevill Wash. Undergrowth, very scattered scrub browse and weeds.
	From the cor. of secs. 25, 26, 35, and 36.
	N. 89° 26' W., along the N. bdy. of sec. 35.
	Over broken shale and clay hills, through very scattered scrub undergrowth; ascend 160 ft. over E. slope.
4.90	Spur, slopes S.; descend 120 ft. to draw.
11.90	Small wide draw, drains S.; ascend 160 ft. to top of ridge.
15.80	Top of short ridge, bears S. 20° E. and N. 20° W.; descend 40 ft.
22.00	Small wash in draw, drains S. 20° E.; ascend 30 ft. to bench spur.
25.90	Top of bench spur, projects S.; descend 140 ft. to the ¼ sec. cor. of sec. 26.
34.90	Point of spur from the N., slopes S.
40.00	Point for the ¼ sec. cor. of sec. 26.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S26 1952
	Raise a small mound of stone around the post.
40.33	Point for the N. ¼ sec. cor. of sec. 35 at proportionate dist., there is no remaining evidence of the original ¼ sec. cor. set for secs. 26 and 35.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S35 1952

Chains	
	Raise a small mound of stone around the post.
	Ascend 200 ft. to top of ridge.
65.30	top of ridge or bluff, bears N. and S.; descend 45 ft. to draw.
67.60	Shallow wash in draw, drains S.; continue descent.
75.90	Top of nearly vertical shale reef, faces W. and bears N. and S.; descend 200 ft. to the NW. cor. of sec. 35.
80.00	Point for the cor. of secs. 26 and 27, on the N. bdy. of sec. 35, established at a westing of 80.00 chs. from the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground with brass cap marked T28SR8E S27|S26 S35 1952
	Raise a small mound of stone around the post.
80.67	The N. W. cor. of sec. 35.
	Land, broken shale and clay hills. Soil, shale and clay. No timber; undergrowth, very scattered browse and weeds.
	Thence with original survey
	From the cor. of secs. 26 and 27, on the N. bdy. of sec. 35.
	N. 0°·01' W., bet. secs. 26 and 27.
	Along broken W. slope of high shale reef to the E., near W. base of same.
39.20	Point for the ¼ sec. cor. of secs. 26 and 27, established at a northing of 40.00 chs. from the cor. of secs. 27 and 34, on the W. bdy. of sec. 35.
	Set an iron post, 30 inches long, 2½ inches in diam., 27 inches in the ground, with brass cap marked ¼ S27|S26 1952
	Raise a mound of stone around the post.
	Cor. set near base of high shale reef to the E.
	Continue along base of reef, over broken W. slope.
40.30	Cone shaped sandstone boulder on line, 10 ft. base, 6 ft. high.
79.20	Point for the cor. of secs. 22, 23, 26, and 27, established at a northing of 80.00 chs. from the cor. of secs. 27 and 34, on the W. bdy. of sec. 35.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked

Subdivision, T. 28 S., R. 8 E.

Chains	
	T28SR8E S22 | S23 S27 | S26 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Land, broken talus slope of a high shale reef to the E. Soil, clay and shale No timber. Undergrowth, very scattered scrub shadscale, browse, and weeds.
	From the true point for the cor. of secs. 23, 24, 25, and 26, which is S. 0° 01' E., 2.77 chs. dist. from the witness cor.
	West, bet. secs. 23 and 26.
	Ascend abrupt E. to SE. slope, over broken SW. breaks of North Caineville Mesa to the E., through very sparse undergrowth.
0.70	Sharp spur, slopes S. 10° W.; descend 140 ft. to draw.
10.10	Wash in draw, drains S.; ascend 90 ft. to spur.
13.50	Spur, slopes S.
14.70	Spur, slopes S. 20° W.; descend 20 ft. to draw.
17.60	Wash in draw, drains S. 20° W.; ascend 20 ft. to spur.
19.90	Spur, slopes S. 20° W.; descend 75 ft. to draw.
24.50	Draw, drains S. 10° W.; ascend 50 ft. to spur.
28.60	Spur, slopes S. 10° W.; descend 130 ft. to draw.
35.30	Wash, 25 lks. wide, 10 ft. deep, in draw, drains SE.
37.20	Wash, 10 lks. wide, 6 ft. deep, in draw, drains S. 60° E.
40.00	Point for the ¼ sec. cor. falls in wash, drains SE., where it is impracticable to set a cor.
41.21	Point for the witness ¼ sec. cor. of secs. 23 and 26.
	Set an iron post, 30 inches long, 2½ inches in diam., 26 inches in the ground, with brass cap marked ¼ S23 / S26 → WC 1952
	Raise a small mound of stone around the post.
54.00	Begin ascent over E. slope of dyke to the west.
74.50	Top of reef, faces W. and bears N. and S., 280 ft. above the true point for the ¼ sec. cor.; descend 240 ft. over W. face of reef to the sec. cor.
80.00	The cor. of secs. 22, 23, 26, and 27.
	Land, broken shale, sandstone and clay breaks. Soil, clay and sand. No timber. Undergrowth, very sparse short shadscale, greasewood, and browse.
	N. 0° 01' W., bet. secs. 22 and 23.

Chains	
	Over broken shale and clay breaks of shale and sandstone reef to the E., through very scattered short undergrowth.
40.00	Point for the ¼ sec. cor. of secs. 22 and 23.
	Set an iron post, 30 inches long, 2½ inches diam., 24 inches in the ground, with brass cap marked ¼ S22 | S23 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Cor. set about 50 ft. above and 1.50 chs. E. of the base of reef, and 1.50 chs. W. of the base of cliff, and on steep W. talus slope of reef.
46.00	Base of reef and enter gravelly bottom of Caineville Wash, bears N. 20° E. and S. 20° W.; thence across wash draining S. 20° W.
71.90	Leave wash and enter bench land, bears N. 20° W. and S. 20° E.
80.00	Point for the cor. of secs. 14, 15, 22, and 23.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S15 | S14 S22 | S23 1952
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor. post.
	From this cor., the W. face of ledge, bears S. 0° 39' E., about 45 chs.; the NW. face of Ledge at point where it disappears, bears N. 42° 35' E., 50 chs. dist.; the top of white clay point, bears N. 61° 15' W., about 20 chs.; the top of black round knoll, bears N. 41° 30' W., about 1 mile dist.
	Land, rolling and broken. Soil, shallow and deep sand and clay. No timber. Undergrowth, shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 13, 14, 23, and 24.
	S. 89° 59' W., bet. secs. 14 and 23.
	Descend abrupt W. breaks of North Caineville Mesa to the E., nearly void of all vegetation.
40.00	Point for the ¼ sec. cor. of secs. 14 and 23.
	Set an iron post, 30 inches long, 2½ inches in diam., 6 inches in the ground to solid rock and in a large mound of stone, 3 ft. base, with brass cap marked ¼ S14/S23 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Cor. set on top of small rocky knoll, 260 ft. below the sec. cor.
40.60	Shallow wash in draw, 20 ft. below the ¼ sec. cor., drains S. 20° W.;

Chains	
	ascend E. slope of reef.
64.00	Top of reef, 260 ft. above draw, faces W. and bears N. 20° E. and S. 20° W.; descend 265 ft. over abrupt W. slope to the sec. cor.
80.00	The cor. of secs. 14, 15, 22, and 23.
	Land, broken breaks of reef. Soil, clay and shale. No timber. Undergrowth, very scattered short shadscale, browse, and weeds.
	N. 0°-01' W., bet. secs. 14 and 15.
	Over low rolling and broken clay and sandstone hills, through very scattered short undergrowth; ascend 140 ft. to the sec. cor.
17.00	Wash, drains S. W.
33.00	Low clay spur, slopes E.
37.50	Low clay spur, slopes E.
38.10	Narrow wash, drains NE.
39.50	Small wash, drains E. 1 ch. to its junction with last wash.
40.00	Point for the ¼ sec. cor. of secs. 14 and 15.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to solid rock and in a large mound of stone to top, with brass cap marked ¼ S15 | S14 1952
	Cor. set on gradual S. slope.
	Ascend 60 ft. to the sec. cor.
51.25	Sandstone rim, 6 ft. high, bears N. 10° E. and S. 10° W.
80.00	Point for the cor. of secs. 10, 11, 14, and 15.
	Set an iron post, 30 inches long, 2½ inches diam., 16 inches in the ground to solid shale and in a large mound of stone, 4 ft. base, with brass cap marked T28SR8E S10 | S11 S15 | S14 1952
	Land, broken and rolling clay and shale hills. Soil, blue clay and shale. No timber. Undergrowth, very scattered short shadscale, browse, and weeds.
	From the cor. of secs. 11, 12, 13, and 14.
	S. 89° 58' W., bet. secs. 11 and 14.
	Over rolling and broken clay and shale hills and breaks, through very scattered short undergrowth; descend 270 ft. to the ¼ sec. cor.
1.20	Head of draw, 40 ft. below cor., drains S.

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Chains	
4.00	Sandstone and shale reef, 100 ft. high, faces W. and bears N. 20° E. and S. 20° W.
21.40	Low gravelly spur, slopes S. 20° W.
28.00	Wash in draw, drains S.
39.80	Small draw, drains S.
39.99	Point for the ¼ sec. cor. of secs. 11 and 14.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S11/S14 1952
	Raise a mound of stone 3 ft. base, around the post.
	Cor. set on steep SE. slope.
	Ascend 160 ft. to the sec. cor.
49.60	Top of clay spur, slopes S. 20° W.
56.00	Shallow wash, 15 lks. wide, drains S. W.
63.10	Wash, 25 lks. wide, drains S.
79.98	The cor. of secs. 10, 11, 14, and 15.
	Land, rolling and broken shale and clay hills. Soil, blue clay and shale. No timber. Undergrowth, very scattered short shadscale, greasewood, brouse, weeds, and grass.
	N. 0° 01' W., bet. secs. 10 and 11.
	Over rolling clay, shale, and sandstone hills, through very short scattered undergrowth; ascend 100 ft. to the ¼ sec. cor.
11.90	Shallow wash, 20 lks. wide, drains S. 80° E.; a fall, 30 ft. high is in wash, at a point 50 lks. S. 80° E. of line.
28.20	Shallow wash, 10 lks. wide, drains S. 80° E.; enter scattered scrub juniper.
40.00	Point for the ¼ sec. cor. of secs. 10 and 11; on sandstone surface rock, mark a cross (X), over which
	Set an iron post, 30 inches long, 2½ inches diam., in a large mound of stone to top, with brass cap marked ¼ S10|S11 1952
	Post set on gradual E. slope.
	Continue over rolling and broken land.
43.40	Shallow wash, drains SE.
52.40	Top of eroded sandstone ridge, bears NW. and SE.

Chains	
56.30	Old unimproved road, bears E. to Caineville and W. to Emery.
58.10	Short sandstone rim, bears E. and W. and faces N.
76.40	Wash, 15 lks. wide, drains SE.
78.40	Recross wash, drains SW.
80.00	Point for the cor. of secs. 2, 3, 10, and 11.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked T28SR8E S 3 | S 2 S10 | S11 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Post set on top of low spur, slopes E., and at the same elevation as the ¼ sec. cor.
	Land, rolling and broken clay and sandstone hills. Soil, clay, sand, and shale. Timber, a few scattered scrub juniper on N. portion of mile. Undergrowth, very short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 1, 2, 11, and 12.
	S. 89° 59' W., bet. secs. 2 and 11.
	Over rolling and broken clay, sandstone, and shale hills, through very scattered short undergrowth; ascend 105 ft. to the ¼ sec. cor.
13.10	Shallow wash, drains S.
14.60	Top of sandstone capped clay knoll.
18.10	Top of short broken sandstone rim, faces W., 15 ft. high, bears SW. and NE.
18.40	Shallow wash, drains SW.
35.10	Top of sandstone outcropping.
39.10	Small flat wash, drains SW.
39.98	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 inches long, 2½ inches diam., 14 inches in the ground to solid rock and in a mound of stone, 3 ft. base, with brass cap marked ¼ S 2 S11 1952
	Descend 70 ft. to the sec. cor.
52.40	Broken sandstone rim, 10 ft. high, bears SW. and NE.
57.40	Wash, 10 lks. wide, drains SW.
74.20	Bottom of main wash, drains SW., about 5 chs., thence SE.
77.80	Small wash, drains SE. about 1 ch. to its junction with main wash.

Subdivision, T. 28 S., R. 8 E.

Chains	
79.96	The cor. of secs. 2, 3, 10, and 11.
	Land, rolling and broken clay, shale, and sandstone hills. Soil, shallow sand, clay, and shale. No timber. Undergrowth, very scattered short shadscale, browse, and weeds.
	N. 0° 04' E., bet. secs. 2 and 3.
	Over broken clay and shale hills, through scattered short undergrowth.
1.50	Wash, in draw, 40 ft. below cor., drains SE., about 3 chs. to its junction with main wash.
13.20	Top of broken sandstone spur, slopes SE., 120 ft. above draw.
21.50	Top of sandstone rim, 60 ft. high, faces NE.
23.80	Main wash, 120 ft. below ridge, 30 lks. wide, drains E. 1 ch., thence SE.; thence across a series of small short spurs projecting W.
39.00	Narrow wash, 30 ft. deep, drains N. 70° W., 4 chs. dist. to its junction with main wash.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground, with brass cap marked ¼ S 3 | S 2 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Post set on top of low spur, projects W. about 4 chs. to end.
70.50	Recross main wash, 50 lks. wide, drains SW.
79.82	The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the township, 120 ft. below the ¼ sec. cor.
	Land, rolling and broken clay and sandstone hills. Soil, clay and sandstone. No timber. Undergrowth, very scattered short shadscale, browse, and weeds.
	From the cor. of secs. 33 and 34, on the S. bdy. of the township.
	N. 0°02' W., bet. secs. 33 and 34.
	Over broken blue clay and shale hills, through very scattered short undergrowth; ascend 140 ft. to the ¼ sec. cor.
7.20	Vertical ledge, 15 ft. high, faces N. and bears E. and W.
15.00	Short gulch, 30 ft. deep, drains E.
20.00	Short gulch, 40 ft. deep, drains S. 80° E.
37.80	Narrow wash in bottom of short gulch, drains N. 80° E.; ascend 70 ft. to the ¼ sec. cor.

Chains	
39.71	Point for the ¼ sec. cor. of secs. 33 and 34, at a point, S. 0°02' E. 40 chs. dist. from the cor. of secs. 27, 28, 33, and 34. On E. slope of white sandstone surface rock, mark a cross (X), over which, Set an iron post, 30 ins. long, 2½ ins. in diam., in a large mound of stone to top, with brass cap marked ¼ S33 | S34 1952
51.40	Top of broad spur, 30 ft. above the ¼ sec. cor., slopes E.
58.40	Wash in short gulch, 70 ft. below spur, drains NE.
70.70	Wash in shallow draw, drains E.
73.90	Spur, 110 ft. above draw, slopes SE.
75.80	Wash in draw, 40 ft. below spur, drains N. 80° E.
76.40	Small spur, 40 ft. above draw, slopes E.
77.90	Wash in draw, 40 ft. below spur, drains S. 80° E.
79.20	Spur, 70 ft. above draw, slopes E.
79.71	Point for the cor. of secs. 27, 28, 33, and 34, at the intersection with the sectional correction line. Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked T28SR8E S28 | S27 S33 | S34 1952 Raise a mound of stone, 3 ft. base, around the post. Post set on N. slope of spur, 20 ft. below top. Land, broken, and of a blue clay and shale formation. Soil, blue clay, sand, and rock. No timber. Undergrowth, very scattered scrub shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 27 and 34, on the sectional correction line. West, bet. secs. 27 and 34. Over rolling and broken clay and shale hills, through very scattered short undergrowth; descend 25 ft. to wash.
22.10	Dry bottom of Caineville Wash, 1 ch. wide, drains S.; ascend 180 ft. to spur.
36.70	Spur, slope S.; descend 20 ft. to the true point for the ¼ sec. cor.
38.88	Point for the witness ¼ sec. cor. of secs. 27 and 34. Set an iron post, 30 ins. long, 2½ ins. in diam., 16 ins. in the

Chains	
	ground to solid rock and in a mound of stone, 3 ft. base, with brass cap marked S27 WC ¼ ← S34 1952 Post set on W. slope of bentonite clay hill.
39.33	True point for the ¼ sec. cor. of secs. 27 and 34, which is at a westing of 40.00 chs. from the cor. of secs. 26 and 27, falls in bottom of shallow wash, drains N., where it is impracticable to set a permanent cor. At the true cor. point. Set a grey sandstone, 20 x 12 x 6 ins., 14 ins. in the ground, marked ¼ on N. face; ascend 210 ft. to the sec. cor.
65.80	Small wash, drains N. 20° E.
70.60	Recross wash, drains S. 70° E.
76.80	Small spur, slopes N.
79.33	The cor. of secs. 27, 28, 33, and 34. Land, broken clay and shale slopes and spurs. Soil, blue clay with sand and rock. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	N. 0°02' W., bet. secs. 27 and 28. Over broken clay, sandstone, and shale hills, through very scattered short undergrowth; ascend 60 ft. to spur.
9.40	Spur, slopes NE.; descend 180 ft. to wash in draw.
15.80	Wash in draw, drains NE.; ascend 100 ft. to spur.
19.90	Spur, slopes N. 60° E.; descend 200 ft. to the ¼ sec. cor.
39.25	The S. edge of a large main wash, bears E. and W.; thence across dry bottom of wash draining E.
40.00	True point for the ¼ sec. cor. of secs. 27 and 28, falls in bottom of wash where it is impracticable to set a permanent cor.
40.50	The N. edge of wash, bears E. and W.
40.84	Point for the witness ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked ¼ S28 ↓ S27 W C. 1952 Post set on gradual S. slope.

Chains	
54.10	Spur, slopes N. 60° E.; continue ascent.
71.90	Spur, slopes E.; continue ascent.
76.60	Spur, slopes E.; 390 ft. above bottom of wash; descend 40 ft. to the sec. cor.
80.00	Point for the cor. of secs. 21, 22, 27, and 28.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 18 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base, with brass cap marked T28S R8E S21 | S22 S28 | S27 1952
	Post set near top of white clay hill, on NE. slope.
	Land, broken clay, shale, and sandstone hills. Soil, clay, sand, and rock. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 22, 23, 26, and 27.
	S. 89°59' W., bet. secs. 22 and 27.
	Over rolling land, through very scattered short undergrowth; descend 50 ft. to Caineville Wash.
22.80	Dry bottom of Caineville Wash, 1 ch. wide, drains S. 10° E.; ascend 120 ft. to short spur.
24.80	Small spur, slopes S. 20° E.
27.20	Shallow wash, drains S., 4 chs., thence SE.
38.40	Short spur, slopes N.; descend 30 ft. to the ¼ sec. cor.
40.00	Point for the ¼ sec. cor. of secs. 22 and 27.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked S22 ¼ S27 1952
	Raise a small mound of stone around the post.
	Ascend 165 ft. to the sec. cor.
43.80	Low clay ridge, bears N. and S.
45.60	Shallow wash, drains SW.
48.60	Shallow wash, drains SE.
58.10	Low spur, slopes SE.
61.60	Shallow wash, drains S.
63.80	Shallow wash, drains SE.

Subdivision, T. 28 S., R. 8 E.

Chains	
80.00	The cor. of secs. 21, 22, 27, and 28.
	Land, rolling and broken clay and sandstone hill. Soil, clay and sand. No timber Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	N. 0°02' W., bet. secs. 21 and 22.
	Over rolling and broken land, through scattered short undergrowth.
0.30	Small wash, drains E.
2.50	Shallow wash, drains E.
14.60	Shallow wash, drains E.
16.60	Short spur, slopes E.
23.50	Shallow wash, drains E.
34.70	Low wide spur, slopes SE.
36.40	Shallow draw, drains E., 2 chs. to its junction with draw draining southerly.
40.00	True point for the ¼ sec. cor. of secs. 21 and 22, falls in bottom of small wash draining E. where it is impracticable to set a permanent cor.
41.30	Point for the witness ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 14 ins. in the ground to solid rock and in a large mound of stone to top, with brass cap marked ¼ S21 | S22 W ↓ C 1952
	Post set on low spur, slopes E.
46.00	Shallow draw, drains E.
56.00	Shallow draw, drains NE.
67.60	Low short spur, slopes NE.
74.00	Wash, 10 lks. wide, drains E.
77.80	Wash, 20 lks. wide, drains E., about 4 chs. to its junction with draw draining southerly.
80.00	Point for the cor. of secs. 15, 16, 21, and 22.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 15 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base, with brass cap marked T28S R8E S16 | S15 S21 | S22 1952
	Post set on low spur, slopes E.

Chains

Land, rolling clay, shale, and sandstone hills.
Soil, shallow clay, sand, and rock.
No timber.
Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.

From the cor. of secs. 14, 15, 22, and 23.

S. 59°58' W., bet. secs. 15 and 22.

Over rolling bottom lands of North Cainsville Wash, through scatter short undergrowth.

7.00 Center of dry channel of Cainsville Wash, in a flood plain, 6 chs. wide, drains S.; ascend 210 ft. to the ¼ sec. cor.

9.50 Unimproved road, bears N. to Emery and S. to Cainsville.

15.50 Leave bottom lands of wash and enter rolling and broken hills, bears N. and S.

29.40 Top of small clay hill.

40.01 Point for the ¼ sec. cor. of secs. 15 and 22.

Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked

$$\frac{S15}{\frac{1}{4}\ S22}$$
1962

Raise a mound of stone, 3 ft. base, around the post.

Post set on gentle S. slope.

Ascend 100 ft. to the sec. cor.

44.10 Shallow wash, drains SE.

51.00 Top of rim, 40 ft. high, bears S. 20° E. and N. 20° W.

54.00 Wash, 15 lks. wide, drains S., 2 chs., thence easterly.

59.00 Low sandstone ridge, bears NW. and SE.

60.50 Shallow wash, drains SE.

62.50 Neeross wash, drains NE.

80.02 The cor. of secs. 15, 16, 21, and 22.

Land, rolling and broken.
Soil, clay and sand.
No timber.
Undergrowth, shadscale, greasewood, weeds, and browse.

N. 0°02' W., bet. secs. 15 and 16.

Over rolling and broken clay hills, through scattered short undergrowth; ascend 100 ft. to the ¼ sec. cor.

10.20 Sandstone rim, faces S. and 25 ft. high.

11.70 Sandstone spur, 20 ft. above the ¼ sec. cor., slopes N. 70° E.

Subdivision, T. 28 S., R. 8 E.

Chains	
16.60	Shallow wash in draw, drains NE.
21.50	Short rim, 15 ft. high and faces S.
25.90	Low spur, slopes SE.
38.10	Rocky point, slopes N.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	¼ S16 | S15 1952
	Raise a mound of stone, 3 ft. base, around the post.
	Ascend 40 ft. to sandstone spur.
41.40	Shallow wash, drains NE.
43.90	Shallow wash, drains E.
47.00	Shallow wash, drains E.
63.60	Low sandstone spur, slopes E.; descend 220 ft. to witness sec. cor.
65.00	Sandstone rim, 25 ft. high, faces N.
70.00	Dry channel of Caineville Wash, 220 ft. below rim, drains NE. from the W.
78.80	Point for the witness cor. of secs. 9, 10, 15, and 16.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	W C T28SR8E S9 ↑S10 S16 | S15. 1952
	Raise a mound of stone, 3 ft. base, around the post.
80.00	True point for the cor. of secs. 9, 10, 15, and 16, falls on face of N. rim of Caineville Wash, where it is impracticable to set a cor., 350 ft. above bottom of wash.
	Land, broken clay and sandstone breaks. Soil, clay, sand, and shale. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 10, 11, 14, and 15.
	S. 89°57' W., bet. secs. 10 and 15.
	Over broken sandstone and shale breaks, through very scattered short undergrowth.

Chains	
3.00	Unimproved road, bears N. to Emery and S. to Caineville.
7.00	Draw, 40 ft. deep, drains S.; a large petrified tree, bears about 3 chs. to the N. of this point.
16.90	Top of E. breaks of Caineville Wash, bears S., and N. about 3 chs., thence northwesterly.
24.50	Dry bottom of Caineville Wash, 140 ft. below rim, drains S. to SW.; ascend 180 ft. to the NE. face of sandstone point.
38.50	Sandstone point, faces NE.; thence along top of S. rim of wash.
40.02	Point for the ¼ sec. cor. of secs. 10 and 15, on sandstone surface rock, mark a cross (X), over which. Set an iron post, 30 ins. long, 2½ ins. in diam., in a large mound of stone, 4 ft. base, with brass cap marked ¼ S10 / S15 1952
52.40	Top of S. rim of Caineville Wash, bears NE. and SW.; descend 180 ft to bottom of wash.
57.00	Recross Caineville Wash, drains NE.
63.70	Recross Caineville Wash, drains SE.
69.70	Recross Caineville Wash, drains NE.
80.04	The true point for the cor. of secs. 9, 10, 15, and 16, 320 ft. above bottom of wash, and N. 0°02' W., 1.20 chs. dist. from the witness cor. of said secs. Land, broken rims of Caineville Wash. Soil, clay, shale, and sand. No timber. Undergrowth, browse and weeds.
	From the true point for the cor. of secs. 9, 10, 15, and 16, which is N. 0°02' W., 1.20 chs. dist. from the witness cor. of said secs. N. 0°02' W., bet secs. 9 and 10. Ascend abrupt S. face of ledge.
0.70	Top of S. point of rim and ledge, 30 ft. above true cor. point; ascend gradually.
8.30	Top of vertical sandstone rim, 30 ft. high, faces SE.; thence along boulder covered E. slope.
22.20	Spur, 330 ft. above top of S. point and rim, slopes E.; descend.
37.50	Vertical sandstone rim, 25 ft. high, faces N. and bears E. and W., 150 ft. below spur; descend abruptly.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground to solid rock, and in a large mound of stone, 4 ft. base, with brass cap marked

Chains	
	$\frac{1}{4}$ S9 | S10 1952
	Cor. post set on W. slope, 95 ft. below rim.
70.50	Wash, drains SW. to S., 80 ft. below the $\frac{1}{4}$ sec. cor.; ascend 70 ft. to rim.
72.00	Sandstone rim, 25 ft. high, 70 ft. above wash, faces S.; descend gradually.
79.42	Point for the witness cor. of secs. 3, 4, 9, and 10.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 26 ins. in the ground, with brass cap marked
	W C T28SR8E S4 ↑ S3 S9 | S10 1952
	Raise a mound of stone, 4 ft. base, around the post.
	Cor. post set on rim facing NW. and bearing NE. and SW.
80.00	True point for the cor. of secs. 3, 4, 9, and 10, falls on NW. face of rim, where it is impracticable to set a cor.
	Land, broken shale, sandstone, and clay breaks. Soil, clay and sand, with rocky outcroppings. No timber. Undergrowth, very scattered scrub shadscale, browse, and weeds.
	From the cor. of secs. 2, 3, 10, and 11.
	S. 89°57' W., bet. secs. 3 and 10.
	Over rolling and broken land, through scattered undergrowth; ascend 90 ft. to rim.
7.30	Top of short rim, faces E. and bears N. and S.
16.40	Unimproved road, bears NW. to Emery and SE. to Caineville.
34.60	Low rim, faces SW. and bears SE. and NW.
37.20	Wash in draw, 40 ft. deep, drains S.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10, on sandstone surface rock, mark a cross (X), over which
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., in a large mound of stone, 4 ft. base, with brass cap marked
	$\frac{1}{4}$ S 3 S10 1952
	Descend 175 ft. to draw at the 69.70 chs. point.
45.80	Short broken rim, faces W. and bears N. and S.

Chains	
58.90	Wash, 15 lks. wide, in shallow draw, drains SW.
66.20	Top of E. rim of draw, faces W. and bears N. and S.
69.70	Sandstone draw, 75 ft. deep, drains S .
70.20	Top of W. rim of draw, faces E. and bears N. and S.
79.40	Top of sandstone rim, faces NW. and bears NE. and SW.; descend 60 f to the true point for sec. cor.
80.04	The true point for the cor. of secs. 3, 4, 9, and 10, which is N. 0°02' W., 58 lks. dist. from the witness cor. of said secs.
	Land, broken sandstone rims. Soil, sand and clay, with sandstone surface rock. No timber. Undergrowth, shadscale, greasewood, browse, and weeds.
	From the true point for the cor. of secs. 3, 4, 9, and 10, which is N. 0°02' W., 58 lks. dist. from the witness cor. of said secs.
	N. 0°07' E., bet. secs. 3 and 4.
	Descend abrupt NW. slope of sandstone rim, through scattered short undergrowth.
1.90	Wash, 25 lks. wide, in draw, 90 ft. below point for cor., drains SW.
7.50	Recross wash, drains SE.; ascend gradually.
31.50	Unimproved road, bears NW. to Emery and SE. to Caineville.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 6 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base, with bras cap marked
	¼ S4 | S3 1952
50.00	Base of abrupt ascent over S. face of white clay and shale spur, bea E. and W.
55.00	Top of SE. point of spur, from N. 5° W.; thence along broken E. slop of spur near top.
79.84	The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township, 215 ft. above the ¼ sec. cor.
	Land, broken sandstone rims and breaks. Soil, clay and shale. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 32 and 33, on the S. bdy. of the township.
	N. 0°03' W., bet. secs. 32 and 33.
	Over rolling clay and shale hills, through scattered short undergrowth.

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Chains	
8.00	Wash, 15 ft. deep, drains E.
9.00	Wash, 20 ft. deep, drains E.
9.80	Wash, 10 ft. deep, drains E.
22.60	Wash, 15 lks. wide, in shallow draw, drains NE.
39.33	True point for the ¼ sec. cor. of secs. 32 and 33, at a point which is at a southing of 40.00 chs. from the cor. of secs. 28, 29, 32, and 33; cor. point falls in shallow wash, drains E., where it is impracticable to set a cor.
39.40	Point for the witness ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked ¼ S32 | S33 W ↓ C 1952
	Raise a mound of stone, 3 ft. base, around the post.
63.80	Wash, 15 lks. wide, in shallow draw, drains NE.
71.60	Wash, 8 lks. wide, in shallow draw, drains NE.
79.33	Point for the cor. of secs. 28, 29, 32, and 33, at the intersection with the section correction line.
	Set an iron post, 30 ins. long, 2 ins. in diam., 26 ins. in the ground, with brass cap marked T28SR8E S29 | S28 S32 | S33 1952
	Raise a small mound of stone around the post.
	Land, rolling clay and shale hills. Soil, deep and shallow clay and sand. No timber. Undergrowth, short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 27, 28, 33, and 34.
	West, bet. secs. 28 and 33, on the sectional correction line.
	Over rolling and broken clay and shale hills, through scattered short undergrowth; descend 260 ft. to witness ¼ sec. cor.
26.70	Top of sandstone rim, 125 ft. high, faces W. and bears N. and S.; descend abrupt W. slope.
34.00	Bottom of large main wash, 60 lks. wide, drains N., about 30 chs. dist., thence easterly.
38.70	Small wash, drains NE.
40.00	True point for the ¼ sec. cor. falls in bottom of small wash, drains NE., where it is impracticable to set a cor.
40.20	Point for the witness ¼ sec. cor. of secs. 28 and 33.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. in diam., 20 ins. in the ground to solid rock, and in a large mound of stone, 3 ft. base, with brass cap marked S 28 ¼ → WC S 33 1952 Post set on gradual S. slope, 10 lks. to the N. of last wash.
44.70	Shallow wash, 20 lks. wide, drains NE.; ascend 170 ft. to the sec. cor.
58.70	Shallow wash, in draw, drains SE. from N. 80° W.
65.00	Small wash, in draw, drains NE., 80 lks. dist. to its junction with wash draining E.
77.20	Deep wash in draw, drains SE.
80.00	The cor. of secs. 28, 29, 32, and 33.
	Land, broken shale and clay hills. Soil, blue clay, shale, and sandstone. No timber. Undergrowth, very scattered shadscale, greasewood, browse, and weeds.
	N. 0°03' W., bet. secs. 28 and 29.
	Over rolling and broken clay and shale hills, through scattered short undergrowth.
0.60	Wash in shallow draw, 10 ft. below cor., drains E.
11.40	Wash, 10 ft. deep in shallow draw, drains NE.
17.20	Point on low ridge bet. two sandstone hummocks, 20 ft. high, bears E. and W.
21.20	Wash, 15 lks. wide, in draw, 100 ft. below ridge, drains N. 60° E.
27.50	Wash, 6 ft. deep, drains N. 80° E. about 50 lks. to its junction with next wash.
28.80	Wash, 25 lks. wide, drains E.
37.80	Sandstone and shale rim, faces NE. and bears SE. and NW.
38.40	Broken spur, 90 ft. above last wash, slopes SE.
40.00	Point for the ¼ sec. cor. of secs. 28 and 29.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 16 ins. in the ground to solid rock, and in a mound of stone to top, with brass cap marked ¼ S29 | S28 1952 Cor. set on gradual N. slope at base of ledge, 30 ft. high, faces N.

Chains	
42.30	Wash, 16 lks. wide, in shallow draw, drains S. 60° E.
65.10	Wash, 10 lks. wide, 5 ft. deep, drains E.
70.25	Wash, 20 lks. wide, drains E.
74.00	Broken sandstone rim, 15 ft. high, bears NE. and SW.
76.80	Wash, 15 lks. wide, drains E.
80.00	Point for the cor. of secs. 20, 21, 28, and 29.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	T28SR8E S20 | S21 S29 | S28 1952
	Raise a mound of stone around the post.
	From this cor., U. S. C. & G. S. triangulation station "Black," bears S. 83°25' W., 122.45 chs. dist., published geographic position Latitude: 38°21'02.598" N. and Longitude: 111°05'28.086" W.
	Land, rolling and broken clay and shale hills. Soil, clay and shale. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 21, 22, 27, and 28.
	N. 89°59' W., bet. secs. 21 and 28.
	Over broken clay and shale hills, through very scattered undergrowth; ascend 20 ft. to ridge.
2.40	Low rugged ridge, bears S. 20° E. and N. 20° W.; descend 120 ft. to the ¼ sec. cor. over broken clay hills.
24.40	Shallow wash in draw, drains S. 20° E.
30.00	Shallow wash, drains S. 30° E.
40.00	Point for the ¼ sec. cor. of secs. 21 and 28; on sandstone surface rock, mark a cross (X), over which:
	Set an iron post, 30 ins. long, 2½ ins. in diam., in a mound of stone, 4 ft. base, 2 ft. high, with brass cap marked
	¼ S21 / S28 1952
	Post is 120 ft. below the sec. cor.
40.30	Sandstone rim, faces W., 90 ft. high, bears N. and S.
46.90	Wash, 20 lks. wide, in draw, 160 ft. below the ¼ sec. cor., drains SE.
51.40	Shallow wash, drains SE.
66.70	Low ridge, bears S. 30° E. and N. 30° W.; continue ascent.

Chains	
70.70	Spur, 160 ft. above draw, slopes SE.
80.00	The cor. of secs. 20, 21, 28, and 29, 20 ft. below spur.
	Land, rolling and broken clay, sandstone, and shale hills. Soil, blue clay, sand, and rock. No timber. Undergrowth, very scattered scrub shadscale, greasewood, weeds, and browse.
	N. 0°03' W., bet. secs. 20 and 21.
	Over very eroded shale and sandstone hills, through very scattered short undergrowth; descend 180 ft. to draw.
15.00	Wash, 10 lks. wide, in draw, drains SE.
16.60	Small sharp ridge, bears SE. and NW.
22.80	Shallow wash in draw, drains E.
37.80	Shallow wash in draw, drains E.
39.50	Point for the witness ¼ sec. cor. of secs. 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked ¼ S20 ↑ S21 W C 1962
	Raise a mound of stone, 3 ft. base, around the post.
	Post set on top of small spur, slopes NE.
40.00	True point for the ¼ sec. cor. falls in bottom of small wash, drains NE., where it is impracticable to set a permanent cor.
43.60	Top of flat topped pinnacle near rim.
44.70	Top of sandstone rim, 160 ft. high, faces S. and bears E. and W.; continue ascent.
49.80	Low ridge, 250 ft. above the true point for the ¼ sec. cor., bears E. and W.; thence over bench land.
56.60	Wash, 15 lks. wide, in shallow draw, drains NE.
64.80	Enter breaks at base of broken rim, bears E. and W.
78.80	Top of rim, 250 ft. above base, bears E. and W.
80.00	Point for the cor. of secs. 16, 17, 20, and 21.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base, with brass cap marked T28SR8E S17 | S16 S20 | S21 1962

. Subdivision, T. 28 S., R. 8 E.

Chains	
	From this cor., U. S. Coast and Geodetic Survey triangulation station "Black", bears S. 52°13'30" W. Land, broken shale, sandstone and clay breaks and rims. Soil, blue clay, shale, and rock. No timber. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.
	From the cor. of secs. 15, 16, 21, and 22. N. 89°58' W., bet. secs. 16 and 21. Over broken and rolling shale and clay hills, through scattered undergrowth.
0.60	Small spur, slopes SE.
3.60	Small wash, drains S.
6.40	Small wash in shallow draw, drains SE.
7.30	Low spur, slopes SE.
8.00	Wide shallow main wash, drains S. to SE.
19.70	Small spur, slopes NE.
33.30	Wash, 12 lks. wide, drains N. 80° E.
36.80	Small wash, drains SE.
38.30	Recross same, drains NE.
39.98	Point for the ¼ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked S16 ¼ —— S21 1952 Raise a mound of stone, 4 ft. base, around the post. Post set on a gradual S. slope.
42.50	Small winding wash, drains S. 70° E. from the W.; thence along wash.
47.50	Leave wash, drains E. from N. 70° W.
57.00	Small spur, slopes SE.
74.00	Sandstone rim, 30 ft. high, faces SE. and bears NE. and SW.
79.96	The cor. of secs. 16, 17, 20, and 21. Land, rolling and broken. Soil, clay, sand, and rock. No timber Undergrowth, scattered short shadscale, greasewood, browse, and weeds.
	N. 0°03' W., bet. secs. 16 and 17.

Chains	
	Over rolling clay hills through scattered undergrowth.
27.80	Wash, 10 lks. wide, drains N. 50° E.
35.80	Wash, 8 lks. wide, drains NE.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	¼ S17 | S16 1952
	Raise a small mound of stone around the post.
	Post is 100 ft. below the sec. cor.
	Continue over rolling land.
80.00	Point for the cor. of secs. 8, 9, 16, and 17.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	T28SR8E S8 | S9 S17 | S16 1952
	Raise a small mound of stone around the post.
	Post set on gentle SE. slope, 20 ft. below the ¼ sec. cor.
	Land, rolling. Soil, sand and clay. No timber. Undergrowth, shadscale, greasewood, browse, and weeds.
	From the true point for cor. of secs. 9, 10, 15, and 16.
	N. 89°57' W., bet. secs. 9 and 16.
	Over broken shale and sandstone hills, through scattered short undergrowth; ascend 370 ft. to ridge.
2.80	Small wash, drains S.
5.20	Point of rim, 40 ft. high, faces E.
11.00	Ridge, bears S. 20° E. and N. 20° W.; descend 100 ft. to Caineville Wash.
22.90	Dry bottom of Caineville Wash, 1 ch. wide, 8 ft. deep, drains S. to SW.; ascend 80 ft. to the ¼ sec. cor.
39.98	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked
	¼ S9 / S16 1952

Chains	
	Deposit glass and raise a small mound of stone around the post.
47.30	Top of sandstone rim, 100 ft. high, faces E., 220 ft. above the ¼ sec. cor., bears N. and S.; ascend 65 ft. to the sec. cor.
79.96	The cor. of secs. 8, 9, 16, and 17.
	Land, broken shale, clay, and sandstone hills and breaks. Soil, shale, clay and sand. No timber. Undergrowth, very scattered short shadscale, greasewood, weeds, browse, and grass.
	From the cor. of secs. 31 and 32, on the S. bdy. of the township.
	N. 0°03' W., bet. secs. 31 and 32.
	Over rolling and broken land, through very scattered short undergrowth; ascend 30 ft. over gradual S. slope of rim.
3.10	Top of ascent, bears E. and W.; thence over rolling bench sloping E.
23.50	Top of flat rise on bench, bears NE. and SW.; descend gradual N. slope.
38.58	Point for the ¼ sec. cor. of secs. 31 and 32, at a point 40.00 chs. S. 0°03' W., of the cor. of secs. 29, 30, 31, and 32.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, to top, with brass cap marked ¼ S31 | S32 1952
	Post set on gradual N. slope.
41.30	Shallow wash, drains N. 70° E.; ascend gradual S. to SE. slopes.
62.00	The S. base of high broken rim, bears N. 80° E. and S. 80° W.; ascend abrupt S. slope over ledges.
64.20	Top of abrupt ascent and rim, 140 ft. high, faces S. and bears N. 80° E. and S. 80° W.; continue ascent over steep S. slope.
78.58	Point for the cor. of secs. 29, 30, 31, and 32, at the intersection with the sectional correction line.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base, with brass cap marked T28SR8E S30 | S29 S31 | S32 1952
	Post set on NE. point of spur, 400 ft. above the ¼ sec. cor.
	From this cor., the casing of the Caineville Oil Well, drilled in about 1922, bears S. 64°18' E., 52.02 chs. dist.
	Land, rolling and broken. Soil, clay, shale, and rock. No timber. Undergrowth, short desert shrubs.

Chains	
	From the cor. of secs. 28, 29, 32, and 33, on the sectional correct ion line.
	West, bet. secs. 29 and 32.
	Over broken shale and clay hills, through very scattered undergrowt
3.50	Wash, 15 lks. wide, 10 ft. deep, drains N., about 2 chs., thence E. ascend gradual E. slope.
18.40	Top of low knoll on rim of clay and shale breaks facing W., 75 ft. above wash, bears N. and SW.; descend 50 ft.
28.10	Wash, 30 lks. wide, 10 ft. deep, drains SW. from the N.
32.10	Sharp goose neck bend in same wash, drains SW. from the SE.
40.00	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked ¼ S29 / S32 1952 .
	Raise a small mound of stone around the post.
	From this ¼ sec. cor., the 12 inch casing of the Caineville Oil Wel dry, and drilled in about 1922, bears S. 14°34' E., 23.20 chs. dist
	Continue over rolling clay and shale hills.
55.00	Base of abrupt ascent over E. slope, bears N. and S.
65.30	Top of ascent on edge of rim, 350 ft. above the ¼ sec. cor., bears N. and S. and faces E.; descend 50 ft.
71.80	Base of descent, bears N. and S.; ascend 150 ft. to cor.
80.00	The cor. of secs. 29, 30, 31, and 32.
	Land, rolling and broken clay and shale hills. Soil, clay, sand, shale, and rock. Timber, a few scrub juniper and pinon on W. portion of mile. Undergrowth, very scattered short shadscale, greasewood, browse, and weeds.

General Description

The land in T. 28 S., R. 8 E., Salt Lake Meridian, Utah, that comes under this survey, consists of rolling and broken shale, sandstone, and clay hills, vertical shale and sandstone rims, and the west poin and breaks of the North Caineville Mesa. A portion of the South Cai ville Mesa extends into the south portion of sec. 36. The tops of these two mesas are about 1100 feet above the adjacent country and the breaks of the mesas are nearly inaccessible.

The Dirty Devil River is the only water in the township and during the summer months of the year this is a stream about 40 lks. wide and 6 ins. deep, and flows in an easterly direction through portions of secs. 35 and 36. A portion of the water from this stream is bein used for irrigation purposes on cultivated lands along the bottom lands of the river, and these farms and their improvements forma par of the settlement of Caineville. The main drainage of the township is Caineville Wash, which drains southerly through the central portion of the township.

Chains

Utah State Highway No. 24, which is unimproved in most places, bears northeasterly through the southeast portion of the township, to Hanksville, Utah, and southwesterly to Fruita and Torrey, Utah. A dim unimproved road which is in a very poor condition, bears northerly and southerly through the township, connecting with Utah State highway No. 10 to the north, and No. 24 to the south.

The 12 inch casing of a dry hole of an oil well is located at a point S. 14°34' E., 23.20 chs. distant from the ¼ sec. cor. of secs. 29 and 32.

From the cor. of secs. 20, 21, 28, and 29, U. S. Coast and Geodetic Survey, triangulation station "Black", bears S. 83°26' W., 122.45 chs. distant. This station is reported as being in latitude 38°21'02.598" N., and longitude 111°05'28.086" W.

No surface indications of oil, oil shale, or mineral were found on the surveyed area. The only land that is suitable for farming is the bottom lands along the Dirty Devil River and irrigation is required to produce crops on this area. The remainder of the township is suitable only as a winter grazing range for stock and at the time of the survey, it was being used for this purpose under the supervision of the Bureau of Land Management.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Ivan C. Decker	Principal Assistant
Allen L. Tuft	Principal Assistant
Carl E. Jahr	Chainman
Jack E. Throwes	Cornerman
Robert L. Bets	Cornerman
James D. Davis	Cornerman
Bryce Chappell	Flagman

16—58565-2

413

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 26th day of June, 1952, I have surveyed that part of the north boundary and dependently resurveyed or surveyed portions of the subdivision of Township 28 South, Range 8 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

February 28, 1955

Andrew Nelson

Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 25 1955, *19*

The foregoing field notes of the survey of part of the north boundary and dependent resurvey or survey of portions of the subdivision of Township 28 South, Range 8 East, S. L. M., Utah

executed by Andrew Nelson, Cadastral-Engineer

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

~~*Chief, Division of Cadastral Engineering.*~~

Cadastral Engineering Staff Officer

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—53565-2

6—GTO
(September 1948)

117

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Dependent Resurvey of the West Boundary

and

A Portion of the Subdivisional Lines

and

Survey of Part of the Subdivision-of-Section Lines

of

Sections 30 and 31

in

Township 28 South, Range 9 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Robert C. Yundt, Cadastral Surveyor

Under special instructions dated June 30, *19* 49, *which provided for the surveys included under Group No.* 372 Utah, *approved* July 18, 1949 *and assignment instructions dated* August 8, *19* 49

Survey commenced September 23, *19* 49

Survey completed September 27, *19* 49

U. S. GOVERNMENT PRINTING OFFICE 16—66770-1

INDEX DIAGRAM

Township 28 South, *Range* 9 East

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16—56770-1

Township 28 South, Range 9 East

Chains

The south boundary, the south two miles of the west boundary, and that part of the subdivision of Township 28 South, Range 9 East of the Salt Lake Meridian, Utah, covered by the present survey were originally surveyed by Augustus D. Ferron, Deputy Surveyor in 1883. The west four miles of the south boundary were dependently resurveyed by Elliot Bird, U. S. Transitman in 1917. The south two miles of the west boundary were retraced, and the lines between secs. 19 and 30, and between secs. 20 and 29 dependently resurveyed by Charles F. Moore, U. S. Surveyor in 1934. The following field notes are those of a dependent resurvey of the south two miles of the west boundary and the lines between secs. 29 and 30, 31 and 32, and 30 and 31, and a partial subdivision-of-section survey of secs. 30 and 31, with the establishment of additional sixteenth sec. corners on parts of the boundaries of those sections. This survey was made at the request of the Division of Grazing in order to identify the remaining public lands in those sections.

The dependent resurvey is a restoration of the lines of the original survey in their true, original positions according to the identified evidence of that survey. Before reconstructing the identified original cor. positions, or restoring any lost corners, the lines of the original survey were retraced and searches made for the original corner monuments and other calls of the field notes. After making the necessary retracements, the rules of proportionate measurement were applied in order to obtain the position of each lost corner, and, when duly identified or restored the corner positions were monumented with the regulation iron posts. In order to simplify the record, only the true line notes, referring to the completed resurvey, are supplied here.

The survey was executed with Buff and Buff solar transit No. 14191, the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instrument is equipped with an improved type solar attachment and has a full vertical circle. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. The verniers of the transit and the solar attachment are all graduated to single minutes of arc. The instrument was in good condition, and, prior to the beginning of the field work it was tested and all errors eliminated. It was maintained in good adjustment throughout the survey.

The measurements were made with steel ribbon tapes eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which are used in these field notes.

The bearings of the lines of the survey were determined by altitude observations on the sun or hour angle observations on Polaris, made on line during the progress of the survey. The lines were carried forward as transit lines, and checked by succeeding observations.

The geographic position of the true point for corner of secs. 5, 6, 31 and 32, on the south bdy. of the township, determined from values obtained from the U. S. Geological Survey sheet covering this area, is as follows: Latitude 38° 19' 27" N., Longitude 111° 58' 16" W. The mean magnetic declination was found to be 15½° East.

Dependent Resurvey of a Portion of the W. Bdy., T. 28 S., R. 9 E.

Reestablishment of the Surveys Executed by Augustus D. Ferron, 1883.

Chains	
	Beginning at the cor. of Ts. 28 S., Rs. 8 and 9 E., mkd. by an iron post, 3 ins. diam., conforming to the record of the 1917 resurvey of T. 29 S., R. 9 E.
	Thence:
	North, bet. secs. 31 and 36.
	Over rough, broken, land, through scattering timber and a scant undergrowth; asc. 605 ft. along a broken SE. slope over ledges.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36, at proportionate distance, falls upon steeply sloping sandstone ledge where the monument cannot be perpetuated. Continue ascent of 205 ft. along a broken SE. slope over ledges. There is no remaining evidence of the original cor.
42.77	Point selected for the witness ¼ sec. cor. of secs. 31 and 36.
	On top of a rocky spur projecting NE.:
	Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S36|S31 W C 1949
	Deposit broken glass at the base of the post.
	Desc. 725 ft. along a broken N. slope over ledges.
60.00	Point for the north 1/16 cor. of secs. 31 and 36, at proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.
	N1/16 S36|S31 1949
	Deposit broken glass at the base of the post.
	Desc. 45 ft. along a N. slope.
63.10	Cut clay bank, about 15 ft. high; bears N. 60° E. and S. 60° W., continue over nearly level bottom land.
67.40	Right bank of the Dirty Devil River, bears N. 60° E. and S. 60° W., thence across river; stream of alkaline water about 3 ins. deep and 30 lks. wide, flows N. 60° E.
71.10	Left bank of river, bears N. 60° E. and S. 60° W., continue through cultivated land.
80.00	Point for the cor. of secs. 25, 30, 31 and 36, at proportionate dist. falls in field. There being no remaining evidence of the original cor. monument.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.
	T28S R8E R9E S25|S30 S36|S31 1949

Chains	
	Deposit broken glass at the base of the post.
	Land, rough and broken in the south, nearly level in the north. Soil, shallow rocky clay in the south, deep heavy clay in the north. Timber, dwarf juniper and pinon. Undergrowth, shadscale, bitter brush, greasewood, and grass.
	North, bet. secs. 25 and 30.
	Over level land, in cultivated field.
1.80	Fence, bears E. and W. at the north edge of cultivated area, continue over nearly level desert, through a scant undergrowth.
15.20	Small wash, drains SE.
20.00	Point for the south 1/16 cor. of secs. 25 and 30, at proportionate dist.
	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, with brass cap mkd.
	S1/16
	S25|S30
	1949
	Deposit broken glass at the base of the post.
25.70	State Highway No. 24, bears N. 70° E. and S. 70° W., Hanksville, Utah, to Fruita, Utah.
26.70	Small irrigation ditch, drains N. 70° E.
35.70	Low clay spur, projects SE.; desc. along a NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30, at proportionate dist. There being no remaining evidence of the original cor. monument:
	Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, with brass cap mkd.
	¼
	S25|S30
	1949
	Raise a mound of stone west of the iron post.
41.50	Small wash, drains SE.
43.60	Low spur, projects SE.
46.20	Shallow wash, drains SE.
59.70	Spur, projects SE.
63.50	Draw, drains SE.
67.35	Clay spur, projects SE.
71.20	Draw, drains SE.
77.50	Low spur, projects SW.; desc. along a NW. slope.

Chains	
80.00	The corner of secs. 19, 24, 25 and 30, mkd. by an iron post, 2 ins. diam., conforming to the record of the 1934 resurvey. Land, gently rolling desert. Soil, deep, heavy clay loam. Timber, few, scattered cottonwood along the river. Undergrowth, shadscale, weeds, greasewood, and grass.

Dependent Resurvey of a Portion of the Subdivision of T. 28 S., R. 9 E.

Reestablishment of the Surveys Executed by Augustus D. Ferron in 1883

Beginning at the true point for the cor. of secs. 5, 6, 31 and 32 on the S. bdy., which is 10.79 chs. S. 89° 53' W. of its witness cor., mkd. by an iron post 2 ins. diam., conforming to the record of the 1917 resurvey of T. 29 S., R. 9 E.

Thence;

N. 0° 27' E. bet. secs. 31 and 32.

Over rough, broken mountainous land, through scattering timber and a medium dense undergrowth; desc. 525 ft. along a broken NW. slope, over ledges.

Chains	
22.50	Draw, drains NW., continue descent along a broken NW. slope.
39.26	The original ¼ sec. cor., mkd. by a sandstone rock, 19x16x6 ins., firmly set in the ground and mkd. ¼ on the W. face. At the corner. Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. ¼ S31|S32 1949 Deposit the original stone alongside the iron post.

Thence:

N. 0° 31' E., beginning new measurement.

Desc. 45 ft. along a NW. slope.

Chains	
11.30	Wash, drains N. 20° E., continue along a NE. slope.
14.90	Junction of washes from SE. and S. 15° E., draining NW., continue along a broken NW. slope.
17.40	Low clay spur, projects W., continue along a W. slope.
28.70	Low clay spur, projects W. about one chain to end.
40.21	The original cor. of secs. 29, 30, 31 and 32, mkd. by a sandstone rock, 19x12x4 ins., firmly set in the ground and in a mound of stone, and mkd. with one notch on the south and five notches on the east edges.

Chains	
	At the corner:
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.
	T28S R9E S30 | S29 S31 | S32 1949
	Deposit the original stone alongside the iron post, and raise a mound of stone to the west.
	Land, rough and broken in the south, broken clay slopes in the N. Soil, heavy clay loam. Timber, dwarf juniper and pinon in the south. Undergrowth, shadscale, rabbit brush, weeds, and grass.
	N. 89° 44' W. bet. secs. 30 and 31.
	Over rolling land facing N., through a scant undergrowth.
7.40	Wash, drains N.; asc. along a NE. slope.
13.75	East edge of a flat-topped spur, projecting N.
16.75	West edge of spur; desc. along a NW. slope.
30.80	Wash, 20 lks. wide and 5 ft. deep, drains N. about 3 chains, thence NW.
40.30	Point for the ¼ sec. cor. of secs. 30 and 31, at proportionate dist. There being no remaining evidence of the original cor.:
	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S30 S31 1949
	Deposit broken glass at the base of the post.
40.70	Small draw, drains N.
41.50	Low clay spur, projects N. about 2 chs. to end.
55.60	Right bank of the Dirty Devil River, bears NE. and SW. Thence across river, stream of alkaline water about 3 ins. deep flowing NE.
60.10	Left bank of river, bears NE. and SW., continue over rolling land.
60.45	Point for the west 1/16 cor. of secs. 30 and 31, at proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam, 28 ins. in the ground, with brass cap mkd.
	W 1/16 S30 S31 1949
	Deposit broken glass at the base of the post.

Chains	
75.00	Cut clay bank about 10 ft. high, bears NE. and SW.
77.10	Small wash, drains S., continue through cultivated land.
79.69	The restored cor. of secs. 25, 30, 31 and 36, on the W. bdy. of of the township. Land, rolling clay hills. Soil, deep, heavy clay loam. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.

Beginning at the cor. of secs. 29, 30, 31 and 32.

Thence:

N. 0° 08' W., bet. secs. 29 and 30.

Over rolling bottom land, through a scant undergrowth; asc. along a gentle SW. slope.

1.30	Low clay spur, projects W. about 1 chain to end.
15.80	Right bank of the Dirty Devil River, bears N. 60° E. and S. 60° W., thence across river, stream of alkaline water flowing N. 60° E.
17.85	Left bank of the river, bears N. 60° E. and S. 75° W.
21.70	Cut clay bank about 10 ft. high, bears NE. and SW. curving to W. at the east end of an old fence line extending to the west.
25.95	Enter cultivated area, edge bears N. 20° E. and S. 20° W.
40.00	Point for the ¼ sec. cor. of secs. 29 and 30, at proportionate dist. There being no remaining evidence of the original cor.: Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, with brass cap mkd. ¼ S30|S29 1949 Deposit broken glass at the base of the post.
52.60	Old fence, bears E. and W., leave cultivated area and enter a scant undergrowth.
52.90	Irrigation ditch, drains E.
53.30	State Highway No. 24, on curve, bears E. and W., Hanksville, Utah, to Fruita, Utah.
53.95	Clay spur, projects SE. about 1 chain to end; desc. along a NE. slope.
60.00	Point for the north 1/16 cor. of secs. 29 and 30, at proportionate dist. Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd. N 1/16 S30|S29 1949

Chains	
	Deposit broken glass at the base of the post.
80.00	True point for the cor. of secs. 29 and 30, located at a point 42 lks. South of its witness cor., mkd. by an iron post, 2 ins. diam., conforming to the record of the 1934 resurvey.
	Land, rolling clay slopes. Soil, deep, heavy clay loam. Timber, none. Undergrowth, whadscale, greasewood, weeds and grass.
	Establishment of the East 1/16 Section Corner on the North Boundary of Section 30.
	At midpoint on the N. bdy. of the NE. quarter of sec. 30, and at a point 27.69 chs. S. 89° 44' E. of the witness ¼ sec. cor. of sec. 30, mkd. by an iron post conforming to the record of the 1934 resurvey.
	Set an iron post, 16 ins. long, 2 ins. diam., 16 ins. in a hole drilled into solid rock, with brass cap mkd. E 1/16 S30 1949
	Subdivision-of-Section Survey in Section 31
	Beginning at the ¼ sec. cor. of secs. 6 and 31 on the S. bdy. of the township, mkd. by an iron post conforming to the record of the 1919 resurvey of T. 29 S., R. 9 E.
	Thence:
	N. 0° 20' E., along the north-south center line of sec. 31.
	Over rough mountainous land, through scattering timber and a scant undergrowth; desc. along a broken NW. slope.
8.50	Spur, projects N. 60° W., continue descent along a NW. slope.
18.60	Spur, projects W., continue along a general W. slope.
23.20	Spur, projects N. 70° W.; desc. over a N. slope.
35.40	Draw, drains N. 20° E., continue along an E. slope.
39.63	Point for the center ¼ sec. cor. of sec. 31
	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, and in a mouhd of stone, with brass cap mkd. C ¼ S 31 1949
	Deposit broken glass at the base of the post.
41.00	Shallow draw, drains N. 80° E.

Subdivision of Section Survey in Sec. 31

Chains	
45.00	Low spur, projects E. about 4 chs. to end.
47.00	Shallow draw, drains NE.
51.10	Low spur, projects E. about 3 chs. to end.
56.20	Shallow draw, drains E.
59.68	Point for the center-north 1/16 cor. of sec. 31 at proportionate dist.
- - - -	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.
	C N 1/16 | S31 C 1949
	Deposit a sandstone rock, 5x4x3 ins., mkd. with a cross (X) at the base of the post.
61.10	Gravel and clay spur, projects E. about 2 chs. to end.
64.25	Draw, drains E., heading about 4 chs. W.
71.45	Spur, projects N. 20° E.
79.73	The ¼ sec. cor. of secs. 30 and 31.
	Land, rough in the south, rolling in the north. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, rabbit brush, weeds, and grass.
	Beginning at the ¼ sec. cor. of secs. 31 and 32.
	Thence:
	N. 89° 35' W., along the east-west center line of sec. 31.
	Over rolling land, through a scant undergrowth.
2.10	Wash, drains N.
6.00	Low spur, projects N. 10° E.
9.50	Head of draw, draining N.
14.50	Low spur, projects N.
21.70	Shallow draw, drains N. 20° W.
22.50	Spur, projects N.
23.70	Draw, drains N. 10° W.
26.50	Spur, projects N. 10° E.
30.60	Draw, drains N. 20° W.
34.50	Spur, projects N.

Subdivision of Section Survey in Sec. 31

Chains	
38.00	Main draw, drains N. 20° E.; asc. along a SE. slope.
40.20	The center ¼ sec. cor. of sec. 31; asc. 215 ft. along a SE. slope.
60.29	Point for the center-west 1/16 sec. cor. of sec. 31, at proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	W 1/16 C ——— C S31 1949
	Deposit broken glass at the base of the post.
	Asc. 465 ft. along a broken SE. slope, over ledges.
79.37	True point for the ¼ sec. cor. of secs. 31 and 36, on the W. bdy. of the Tp., located at a point 2.77 chs. South of its witness cor.
	Land, rolling in the east, and rough in the west. Soil, sandy to rocky clay loam. Timber, dwarf juniper and pinon. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the center-west 1/16 sec. cor. of sec. 31.
	Thence:
	N. 0° 14' E. along the north-south center line of the NW. quarter of sec. 31.
	Over mountainous land, through scattering timber and a scant undergrowth; asc. along a SW. slope.
5.00	Spur, projects E.; desc. along a gentle NE. slope.
8.50	Head of draw, draining E.; asc. along a SE. slope.
12.50	Spur, projects NE.; desc. along a NW. slope.
20.02	Point for the NW. 1/16 sec. cor. of sec. 31.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	NW 1/16 S 31 1949
	Deposit broken glass at the base of the post.
	Desc. 325 ft. along a NW. slope.
31.00	Cut clay bank about 10 ft. high, bears NE. and SW., continue over bottom land of river.
33.70	Right bank of the Dirty Devil River, bears NE. and SW., thence across river, stream of alkaline water about three ins. deep, flows NE.

Subdivision-of-Section Survey in Sec. 31

Chains	
39.50	Left bank of Dirty Devil River, bears NE. and SW.
40.04	The west 1/16 sec. cor. of secs. 30 and 31.
	Land, rolling and broken clay slopes. Soil, heavy clay loam. Timber, dwarf juniper and pinon. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the center-north 1/16 sec. cor. of sec. 31.
	Thence:
	N. 89° 39' W. along the east-west center line of the NW. quarter of sec. 31.
	Over broken land, through scattering timber and a scant undergrowth; asc. 175 ft. along a broken SE. slope.
12.20	Spur, projects NE.; desc. 95 ft. along a NW. slope.
20.12	The NW. 1/16 sec. cor. of sec. 31.
	Continue descent along a broken NW. slope.
39.28	The N. 1/16 sec. cor. of secs. 31 and 36.
	Land, rolling and broken clay hills. Soil, deep, heavy clay loam. Timber, dwarf juniper and pinon. Undergrowth, shadscale, greasewood, weeds and grass.

Subdivision-of-Section Survey in Sec. 30

	Beginning at the ¼ sec. cor. of secs. 30 and 31.
	Thence:
	N. 0° 04' E. along the north-south center line of sec. 30.
	Over rolling land, through a scant undergrowth.
11.65	Wash, 1 ch. wide and 10 ft. deep, drains NW.
13.50	Cut clay bank about 15 ft. high, bears N. 60° E. and S. 60° W., continue over bottom land of river.
20.00	Point for the center-south 1/16 sec. cor. of sec. 30, at proportionate dist.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, with brass cap mkd. C S 1/16 | S30 C 1949
	Deposit broken glass at the base of the post.
26.10	Right bank of the Dirty Devil River, bears N. 70° E. and SW., thence across river, stream of alkaline water about 3 ins. deep, flows NE.
28.50	Left bank of the river, bears N. 70° E. and SW.

Subdivision of Section Survey in Sec. 30

Chains	
29.90	Cut clay bank about 10 ft. high, bears N. 70° E. and S. 60° W., continue over nearly level land.
40.00	Point for the center ¼ sec. cor. of sec. 30.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.
	C ¼ / S 30 / 1949
	Deposit broken glass at the base of the post.
40.60	Small irrigation ditch, drains E. on a curve to the SE.
40.75	Fence line, bears E. and W.
44.70	State Highway No. 24, bears N. 70° E. and S. 70° W., Hanksville, Utah, to Fruita, Utah. Begin ascent along a SE. slope.
57.10	Clay spur, projects E. about 5 chs. to end.
60.00	Point for the center-north 1/16 sec. cor. of sec. 30, at proportionate dist.
	Set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, and in a mound of stone, with brass cap mkd.
	C / N 1/16 | S30 / C / 1949
	Deposit broken glass at the base of the post.
61.20	Draw, drains S. 60° E.; asc. along a broken SW. slope over a series of clay spurs and draws putting SE.
80.00	True point for the ¼ sec. cor. on the N. bdy. of sec. 30, located at a point 7.69 chs. S. 89° 44' E. of the witness ¼ sec. cor. of secs. 19 and 30, mkd. by an iron post, conforming to the record.
	Land, rolling clay slopes. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the ¼ sec. cor. of secs. 29 and 30.
	Thence:
	N. 89° 44' W. along the east-west center line of sec. 30.
	Over nearly level land, through a scant undergrowth.
11.30	Enter cultivated area, edge bears N. and S.
20.06	Point for the center-east 1/16 sec. cor. of sec. 30, at proportionate dist.

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, and in a mound of stone, with brass cap mkd. E 1/16 C ——— C S30 1949 Deposit broken glass at the base of the post.
25.30	Unimproved road, bears NW. and SE., leave cultivated area.
34.30	Small irrigation ditch, drains SE.
40.12	The center ¼ sec. cor. of sec. 30.
50.80	State Highway No. 24, bears N. 60° E. and S. 60° W., Hanksville, Utah, to Fruita, Utah.
56.70	Small irrigation ditch, drains NE.
60.19	Point for the center-west 1/16 sec. cor. of sec. 30, at proportionate dist. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd. W 1/16 C ——— C S30 1949 Deposit broken glass at the base of the post.
66.10	Clay spur, projects SE. about 2 chs. to end.
70.70	Draw, drains SE.
75.20	Clay spur, projects SE. about 3 chs. to end.
77.40	Draw, drains SE.
79.50	The ¼ sec. cor. of secs. 25 and 30, on the W. bdy. of the Tp. Land, rolling bottom land. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the center-east 1/16 sec. cor. of sec. 30. Thence: N. 0° 06' W. along the north-south center line of the NE. quarter of sec. 30 Over nearly level land, in cultivated area.
8.70	Small irrigation ditch, drains E., leave cultivated area and enter a scant undergrowth.
8.90	Fence, bears N. 80° E. and S. 80° W.
9.50	State Highway No. 24, bears N. 80° E. and S. 80° W., Hanksville, Utah, to Fruita, Utah.

Subdivision of Section Survey in Sec. 30

Chains	
10.30	Low clay spur, projects SW. about 3 chs. to end, continue ascent along a SW. slope.
14.60	Recross spur, projects S. 20° E.; desc. along a NE. slope.
18.40	Shallow draw, drains SE.
20.00	Point for the NE. 1/16 sec. cor. of sec. 30.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, with brass cap mkd.
	NE 1/16 S 30 1949
	Deposit broken glass at the base of the post.
22.40	Low spur, projects SE., continue ascent along a SE. slope.
26.30	Spur, projects S. 60° E.; desc. along a NE. slope.
39.00	Draw, drains SE.
40.00	The east 1/16 sec. cor. on the N. bdy. of sec. 30.
	Land, rolling clay hills. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the N. 1/16 sec. cor. of secs. 29 and 30.
	Thence:
	N. 89° 44' W. along the east-west center line of the NE. quarter of sec. 30.
	Over rolling land, through widely scattered timber and a scant undergrowth.
6.50	Spur, projects SE.
11.70	Wash, drains S. 20° E.
18.80	Spur, projects S. 20° E.
19.80	Shallow draw, drains S. 10° E.
20.03	The NE. 1/16 sec. cor. of sec. 30.
20.75	Spur, projects S. 15° E.
25.90	Wash, drains S. 10° E.
29.00	Spur, projects SE.
33.60	Draw, drains S. 10° E.
35.50	Small draw, drains SE.

Subdivision of Sections in Sec. 30

Chains	
40.06	The center-north 1/16 sec. cor. of sec. 30.
	Land, rolling clay hills. Soil, deep, heavy clay. Timber, dwarf juniper. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the W. 1/16 sec. cor. of secs. 30 and 31.
	Thence:
	N. 0° 02' W. along the north-south center line of the SW. quarter of sec. 30.
	Over nearly level land, through a scant undergrowth.
8.40	Cut clay bank about 10 ft. high, bears NE. and SW.
20.00	Point for the SW. 1/16 sec. cor. of sec. 30.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.
	SW 1/16 S.30 1949
	Deposit broken glass at the base of the post.
33.10	Clay hill, bears S. 80° E. and N. 80° W.
35.50	State Highway 24, bears N. 60° E. and S. 60° W., Hanksville, Utah, to Fruita, Utah.
38.20	Small irrigation ditch, drains NE.
40.00	The center-west 1/16 sec. cor. of sec. 30.
	Land, rolling desert. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.
	Beginning at the center-south 1/16 sec. cor. of sec. 30.
	Thence:
	N. 89° 44' W. along the east-west center line of the SW. quarter of sec. 30.
	Over nearly level land, through a scant undergrowth.
3.90	Right bank of the Dirty Devil River, bears NE. and SW., continue across river, stream of alkaline water about 3 ins. deep, flowing NE.
5.50	Left bank of the river, bears NE. and SW.
9.60	Cut bank, clay, about 10 ft. high, bears NE. and SW.
20.11	The SW. 1/16 sec. cor. of sec. 30.

Subdivision-of-Section Survey in Sec. 30

Chains	
39.38	The S. 1/16 sec. cor. of secs. 25 and 30. Land, rolling desert. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, weeds, and grass.

GENERAL DESCRIPTION

The area in secs. 30 and 31 along the Dirty Devil River contains many patches of arable land, and several of these were being farmed at the time of the survey. Further back from the river, the land becomes rougher, and along the south boundary reaches almost to the top of south Caineville Mesa. The soil is principally a deep, heavy clay shading to a sandy clay on the higher slopes. The timber, aside from cottonwood along the river, is mainly dwarf juniper, with a few scattered pinon in the higher elevations. The vegetation consists of shadscale, greasewood, annual weeds, and grass. The area is being overgrazed and the cover is scanty. The river furnished the only living water, and as this is alkaline, it is unable for farming only. There was one family living on patented land in section 30.

Chains		Chains
39.38	The S. 1/16 sec. cor. of secs. 25 and 30. Land, rolling desert. Soil, deep, heavy clay. Timber, none. Undergrowth, shadscale, greasewood, sagebrush, [illegible].	
	GENERAL DESCRIPTION The area in secs. 30 and 31 along the Utah Desert Diver [illegible] many patches of arable land, and several [illegible] were [illegible] at the time of the survey. Further [illegible] the [illegible] land becomes rocky, and along the east [illegible] rocky [illegible] top of south intervisible mesa. The soil is [illegible] clay, heavy clay shading to a sandy clay on the lower slopes. [illegible] timber, aside from cottonwood along the river, is [illegible] juniper, with a few cottonwood along in the higher elevations. [illegible] vegetation consists of shadscale, greasewood, sagebrush [illegible]. The area is being overgrazed and the grass is [illegible]. [illegible] furnished the only living water, and as this is [illegible] usable for farming only. There [illegible] land in section 30.	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Principal Assistant
Robert N. Hanson	Chainman
William D. Bowes	Chainman
Roe V. Hunt	Flagman
Ronald F. Simmons	Axeman
William E. Bennison	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 30th day of June, 1949 I have ~~surveyed~~ dependently resurveyed a portion of the west bdy. and a portion of the subdivisional lines, and surveyed part of the subdivision-of-section lines of sections 30 and 31 in Township 28 South, Range 9 East.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

June 28, 1957

Robert C. Yundt, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., FEB 6 1958, *19*

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the west bdy. and a portion of the subdivisional lines, and the survey of part of the subdivision-of-section lines of sections 30 and 31 in Township 28 South, Range 9 East

executed by Robert C. Yundt

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

~~*Chief, Division of Cadastral Engineering.*~~

Cadastral Engineering Staff Officer

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.~~

~~*Chief, Division of Cadastral Engineering.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—[illegible]-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY OF A PORTION OF THE BOUNDARIES, AND SURVEY OF THE SUBDIVISION OF THE SOUTH HALF OF SEC. 14, T. 29 S., R. 6 E.

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Elliot Bird, Cadastral Engineer

Under supplemental *special instructions dated* December 10, *1945*, *which provided for the surveys included under Group No.* 314, *bearing the approval of the Commissioner of the General Land Office under date of* December 21, 1945 *and assignment instructions dated* August 5, *1947.*

Survey commenced August 13, *1947.*

Survey completed August 29, *1947.*

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Subdivision of sec. 14; pages 8 to 13

1433

T. 29 S., R. 6 E.

The supplemental special instructions for the survey of group 314, Utah, dated December 10, 1945, based upon the application of Acting Chief Engineer, A.W. Burney of the National Park Service, provide for the completion survey of sec. 14, T. 29 S., R. 6 E., Salt Lake Meridian, Utah, and the subdivision of its south half into quarter-quarter sections in order to define all boundaries between the public land and existing private tracts within the section.

Due to a series of white sandstone domes and buttes about 600 feet high which form the terrane of the north half of sec. 14, it was impossible to complete the survey of the boundaries of this section. Three days time was spent with a party of experienced assistants in attempts to project lines over this unsurveyable area and at no place could the lines be projected through the north half of the section. The east and west center line of the section was therefore determined and used as a control in subdividing the south half of the section into quarter-quarter sections.

The south and west boundaries and the south half mile of the east boundary of sec. 14, was surveyed by A.D. Ferron and A. Jessen, U.S. Deputy Surveyors in 1895, as shown upon plat approved March 21, 1896. All the original corners of these lines were found except the ¼ sec. cor. of secs. 13 and 14, and the cor. of secs. 10, 11, 14, and 15. All indications show that this section corner was never set as the point for the cor. falls on the face of inaccessible ledges where it is impossible to reach the cor. point.

The resurvey was commeced August 13, 1947 and executed with Buff and Buff solar transit No. 26592, used by Elliot Bird, Cadastral Engineer. The instrument is equipped with a Smith solar attachment and has a full vertical circle. The horizontal limb has two double verniers placed opposite to each other and read to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circle. The instrument was approved for use on this survey by the Regional Cadastral Engineer for Region No. 4, in assignment instructions dated August 5, 1947.

All identified corners are remonumented in their original positions and lost corners were reestablished and remonumented at positions based upon the governing record.

The bearings of the lines were determined by deflection angles from true meridians established by observations made upon Polaris during the progress of the work. The lines were carried forward by taking the mean of direct and reversed sights at each instrument station. A degree of accuracy was maintained in this survey to make it conform to that of a mineral survey.

The measurements were made with a Lallie steel tape 5 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested and found correct, comparison being made with a Lufkin standard steel tape 1 chain in length. The measurements were made on the slope, the vertical angle determined at each interval with the transit and the slope measurements properly reduced to true horizontal distances which appear in this record.

The official plat of the survey of T. 29 S., R. 6 E., approved October 27, 1921, gives the SE. cor. of the township as being in latitude 38°15' N., and longitude 111°14' W.

The mean magnetic declination was found to be 16°00' E.

Chains

Reestablishment of surveys executed by A. D. Ferron and A. Jessen, U.S. Deputy Surveyors, in 1895.

The cor. of secs. 14, 15, 22, and 23, is marked by the 1895 survey monument, a lava stone, 18 x 12 x 8 ins., firmly set, marked 3 notches on S. edge and 2 notches on E. edge. Cor. has no accessories and is set in a fruit orchard.

At the cor. point:

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, with the stone cor. monument deposited alongside, with brass cap marked

T29S	R6E
S15	S14
S22	S23

1947

From this cor., the ¼ sec. cor. of secs. 22 and 23, bears S. 0°12' E., 40.32 chs. dist. Cor. is marked by the 1895 survey monument, a sandstone, 16 x 10 x 5 ins., firmly set in an old mound of stone. All marks on the cor. monument had worn off.

At the cor. point:

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and a large mound of stone, with the stone cor. monument deposited alongside, with brass cap marked

¼

S22 | S23

1947

August 13, 1947: Stationed at the cor. of secs. 14, 15, 22, and 23, in approximate latitude 38°18' N., longitude 111°16' W., at 10h 38.4m a.m. correct 105th meridian standard time, I make an hour angle observation upon Polaris west of the meridian, making four observations, two each with the telescope in direct and reversed positions, reading the horizontal deflection angle from a point of a ledge about 40 chains to the north, in a counter clockwise direction to the star.

Local mean time of observation.....	10h 17.3m a.m.
Mean horizontal deflection angle.....	1°05'30"
Azimuth of Polaris.....	1°15'30" W.
True bearing to point of ledge.....	N. 0°10' W.

I deflect an angle of 89°53' to the right of the reference point, thence, from the cor. of secs. 14, 15, 22, and 23.

N. 89°43' E., on a dependent resurvey line, bet. secs. 14 and 23.

Through fruit orchard belonging to Dewey Gifford.

2.50 Fremont River, stream 50 lks. wide, 10 ins. deep, flows northeasterly; continue through orchard.

10.30 Utah State Highway No. 24, at the E. side of orchard, bears N. and S.; ascend steep broken W. slope of high lava bench to the E.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 29 S., R. 6 E.

Chains	
19.89	Proportionate point for the W. 1/16 sec. cor. of secs. 14 and 23; on steep W. slope, 320 ft. above the Fremont River. Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked W 1/16 S14/S23 1947 Deposit a lava stone, 12 x 10 x 10 ins., at the base of post, marked X.
20.70	Top of W. rim of lava bench, 40 ft. above cor., bears NW. and S.; thence over rolling top of bench through very scattered scrub juniper and pinon and short undergrowth.
28.74	From this point, a point on a nearly vertical sandstone wall about 290 ft. high, bearing NE. and SW., marked W ¼ C, bears South, 8 lks. dist. There is no official record of these marks.
29.00	Top of nearly vertical sandstone rim facing NW., which forms the top of the N. breaks of the Fremont River, bears NE. and SW.; thence descend gradually over NE. and E. slopes over broken sandstone surface rock and outcroppings.
39.78	The ¼ sec. cor. of secs. 14 and 23, which is marked by the original cor. monument of the 1895 survey, a sandstone 18 x 10 x 6 ins., firmly set in a mound of stone. Stone was weather worn but had no visible markings. At the cor. point, on gradual E. slope of sandstone surface rock, 120 ft. below the rim of the Fremont River, mark a cross (X), over which. Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, 5 ft. base, 3 ft. high, with the original cor. monument deposited alongside the iron post, with brass cap marked ¼ S14/S23 1947 Thence, S. 89°48' E., beginning new measurement.
7.80	Bottom of rough rocky gulch, 190 ft. below the ¼ sec. cor., drains NE.; ascend abrupt ledgy NW. slope.
13.80	Ledgy spur, 100 ft. above gulch, slopes N. 60° E.; descend gradual NE. and E. slopes over sandstone ledges and surface rock.
20.06	Point for the E. 1/16 sec. cor. of secs. 14 and 23, at proportionate distance. Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

Chains	
	E 1/16 S14/S23 1947
	Deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.
40.12	The cor. of secs. 13, 14, 23, and 24, which is marked by the cor. monument of the 1895 survey, a sandstone, 24 x 12 x 10 ins., firmly set in a mound of stone. Stone was weather worn and had no visible markings. At the cor. point, on sandstone surface rock, mark a cross (X), over which: Set an iron post, 3 ft. long, 2 ins. in diam., in a mound of stone, 5 ft. base, 3 ft. high, with the original cor. monument deposited alongside the iron post, with brass cap marked T29S | R6E S14 | S13 S23 | S24 1947 Cor. is 160 ft. below spur and on the level top of a sandstone outcropping. Land, broken breaks of the Fremont River. Soil, shallow pockets of sand on the sandstone surface rock; 4th rate. Timber, very scattered scrub juniper and pinon. Undergrowth, short browse, weeds, and grass. Poor grazing land.
	N. 0°01' W., (record course) bet. secs. 13 and 14. Descend general NE. slope over broken surface rock and ledges, through very scattered scrub juniper and pinon timber and short undergrowth.
20.00	Point for the S. 1/16 sec. cor. of secs. 13 and 14 at proportionate distance. Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked S 1/16 S14 | S13 1947 Deposit a lava stone, 12 x 10 x 10 ins., at base of post, marked X. Cor. set on general N. slope, 260 ft. below the sec. cor.
21.50	Sandstone gulch, 80 ft. below cor., drains NE.; ascend abruptly.
23.20	Spur, 80 ft. above gulch, slopes NE.; descend abrupt N. slope.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 29 S., R. 6 E.

Chains	
25.30	Top of vertical sandstone rim on S. side of Fremont River, 80 ft. high, bears E. and W.; descend abruptly to river.
28.20	The Fremont River, 50 lks. wide, 10 ins. deep, in bottom of canyon, 180 ft. below spur, flows E.
30.56	Base of vertical ledge on N. side of canyon, 80 ft. high, bears E. and W.
	At this point on S. face of vertiacl ledge, about 5 ft. above the ground.
	Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument, with brass cap marked S14 | S13 L | M 1947
	Thence ascend abrupt N. breaks of the Fremont River.
33.00	Top of N. breaks of the Fremont River, 350 ft. above stream, bears E. and W.; thence ascend gradually over broken sandstone outcroppings.
34.50	Rocky spur, 20 ft. above rim, slopes E.; descend gradually over ledgy N. slope.
40.00	Record distance; find no trace of the ¼ sec. cor. of secs. 13 and 14.
	In bottom of sandstone gulch locally known as Bridge Canyon, 100 ft. below spur, drains E.
	Set an iron post, 2 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone and in a large mound of stone, 5 ft. base, 1 ft. high, with brass cap marked ¼ S14 | S13 1947
	from which
	A pinon, 8 ins. in diam., bears N. 50° 15' E., 64 lks. dist., marked ¼ S13 BT.
	A pinon, 6 ins. in diam., bears S. 67° W., 63 lks. dist., marked ¼ S14 BT.
	From this ¼ sec. cor., a small Indian cliff dwelling, located on a shelf of a ledge in N. breaks of Bridge Canyon, about 60 ft. above bottom, bears N. 78°38' W., 2.00 chs. dist.
	Note: About 10.00 chs. to the N. of the ¼ sec. cor. of secs. 13 and 14, is the base of white sandstone domes about 600 ft. high, bearing westerly and southeasterly over which it is impossible to project a line, I therefore discontinue the survey to the N. at this ¼ sec. cor.
	Land, broken breaks of the Fremont River. Soil, shallow loose sand in the depressions of the sandstone surface rock; 4th rate.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 29 S., R. 6 E.

Chains	
	Timber, very scattered scrub juniper and pinon. Undergrowth, scattered short browse, weeds, and grass. Poor grazing land.
	From the cor. of secs. 14, 15, 22, and 23.
	N. 0°10' W., bet. secs. 14 and 15.
	Across fruit orchard.
0.50	Leave fruit orchard and ascend gradual S. slope of rolling land, through short undergrowth, bears NE. and SW.
6.80	Small irrigation ditch, flows N. 80° E.
8.90	Rock fence on a curve, bears southwesterly and southeasterly.
11.10	Top of volcanic spur, 185 ft. above sec. cor., slopes E.; descend steep N. slope.
13.30	Recross irrigation ditch, drains W.
15.59	Base of descent, 150 ft. below top of spur, bears E. and W. From this point, the NE. cor. of a small frame house belonging to O.M. Davis, bears S. 68°45' W., 27 lks. dist. The SE. cor. of O.M. Davis' dwelling house, bears N. 7°22' W., 1.96 chs. dist. The SW. cor. of a fence inclosing a tourist lodge under construction, bears N. 75°30' E., 83 lks. dist.
15.80	Utah State Highway No. 24, bears E. and W.; thence across cultivated land.
20.01	Point for the S. 1/16 sec. cor. of secs. 14 and 15 at proportionate distance.
	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and a large mound of stone, with brass cap marked S 1/16 S15 | S14 1947
	Deposit a lava stone, 12 x 10 x 10 ins., at base of post, marked X.
	Cor. set on S. bank of wash of Sand Creek, 5 ft. high, bears N. 80° W. and S. 80° E.
21.30	Sand Creek, stream of muddy alkali water, 10 lks. wide, 3 ins. deep, flows S. 80° E.
23.60	N. bank of Sand Creek, 5 ft. high, bears N. 80° W. and S. 80° E.; continue through the E. edge of an orchard and the W. edge of school grounds.
28.00	Base of talus slope of high ledges to the N., bears E. and W. From this point, the NW. cor. of a school house, bears S. 32°30' E., 3.00 chs. dist. The vertical angle on line to the N. at top of ledges is plus 52°15'. Thence ascend abruptly over broken S. slope to base of nearly vertical S. face of ledge.

DEPENDENT RESURVEY PORTION SUBDIVISION, T. 29 S., R. 6 E.

Chains	
35.20	Base of nearly vertical sandstone cliff, 629 feet high, bears NW. and S. 70° E. and faces SW. At this point of SW. face of ledge, about 5 ft. above base: Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument, with brass cap marked S15 L | S14 M 1947 I determine the distance of 38.81 chs. on line, to top of ledges by triangulation from the cor. of secs. 14, 15, 22, and 23. Base bears S. 89°50' W., 16.474 chs. dist. Angles - 90°00', 23°00', and 67°00'.
38.81	Triangulation point at top of N. rim of breaks of the Fremont River or the S. rim of the Capitol Reef, bears NW. and S. 70° E., 629 ft. above base of nearly vertical ledge and 920 ft. above Sand Creek; thence over broken sandstone surface rock and outcroppings.
40.02	The ¼ sec. cor. of secs. 14 and 15, which is marked by the cor. monument of the 1895 survey, a sandstone, 16 x 10 x 6 ins., firmly set in a mound of stone on top of sandstone surface rock. The cor. monument was badly weather worn and no markings were visible. At the cor. point, on smooth top of sandstone surface rock, mark a cross (X), over which: Set an iron post, 3 ft. long, 1 in. in diam., in a mound of stone, 5 ft. base, 3 ft. high, with brass cap marked ¼ S15 | S14 1947 The line to the N. of this cor. passes over a series of white sandstone domes and buttes which are inaccessible and over which it is impossible to project a line. As the record of the 1895 survey appears to be fictitious to the N. of this ¼ sec. cor., and it being impossible to reach the point for the cor. of secs. 10, 11, 14, and 15, I discontinue the resurvey of his line at this cor. Land, broken breaks of the Fremont River and Capitol Reef. Soil, deep loose sand in the cultivated portions; 2nd rate. Timber, a few cottonwood along banks of Sand Creek. Undergrowth, sage and black brush, shadscale, browse, and weeds. Poor grazing land.

Chains

From the ¼ sec. cor. of secs. 14 and 15.

N. [illegible] ' E., on true E. and W. center line of sec. 14.

Descend gradually over nearly barren sandstone broken by numerous outcroppings and deep crevices with nearly vertical walls. Line follows near the top of the N. breaks of the Fremont River or the top of the S. rim of the Capitol Reef.

Point for the center W. 1/16 sec. cor. of sec. 14.

On sandstone surface rock, 1[illegible] ft. below the ¼ sec. cor.

Set an iron post, 1 ft. long, 1 in. in diam., in a hole drilled 1[illegible] ins. in the sandstone surface rock, and surrounded by circular mound of stone, with brass cap marked

C W 1/16 C
S14

1[illegible]7

Continue gradual descent over surface rock broken by deep crevices.

True point for the center ¼ sec. cor. of sec. 14, falls on the vertical face of a sandstone outcropping, where it is impossible to reach the cor. point.

Point for the witness cor. to the center ¼ sec. cor. of sec. 14, on sandstone surface rock, 200 ft. below the center [illegible] 1/16 sec. cor.

Set an iron post, 1 ft. long, 1 in. in diam., in a hole drilled [illegible] ins. deep in the sandstone surface rock, and surrounded by a circular mound of stone, with brass cap marked

WC C ¼ S14

1[illegible]7

True point for the center E. 1/16 sec. cor. of sec. 14, falls on top of a sharp inaccessible sandstone rib, where it is impossible to reach the cor. point, therefore, at a point [illegible] W., 1.[illegible] chs. dist. from the true cor. point, and point for the witness cor. to the center E. 1/16 sec. cor. of sec. 14.

Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

WC
E 1/16
C C
S14

1[illegible]7

Deposit a sandstone, 10 x 1[illegible] x 8 ins., at base of post, marked E.

Witness cor. set at the S. base of nearly perpendicular sandstone ledge and [illegible] ft. high, faces S. and bears [illegible] W., [illegible] ft. below the true point for the center ¼ sec. cor.

SUBDIVISION OF SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

Chains	
	Continue N. 89°58' E. from the true point for the center E. 1/16 sec. cor.
61.76	From this point, the W. edge of the S. base to the arch of a scenic natural bridge, bears North, 2.95 chs. dist. Bridge has a span of 2.10 chs. N. and S., and its arch is 75 ft. high. This bridge is considered as one of the scenic wonders of the Wayne County Wonderland which is located within the boundaries of the Capitol Reef National Monument.
69.00	Bottom of sandstone gulch locally known as Bridge Canyon, drains S. 85° E.; thence along N. breaks of canyon near bottom.
80.00	The ¼ sec. cor. of secs. 13 and 14, 230 ft. below the true point for the center E. 1/16 sec. cor.
	Land, broken sandstone. Soil, shallow loose sand in the depressions of the surface rock; 4th rate. Timber, a few scattered scrub juniper and pinon. Undergrowth, very scattered browse and weeds. Poor grazing land.
	From the ¼ sec. cor. of secs. 14 and 23.
	N. 0°09' E., on true N. and S. center line of the S. half of sec. 14.
	Over broken top of high ledgy plateau, through very scattered timber and undergrowth.
10.90	Top of nearly vertical ledge at top of S. breaks of the Fremont River, bears N. 80° E. and S. 80° W. Thence descend abruptly over ledgy N. face of breaks.
16.50	Base of breaks, 480 ft. below cor., bears N. 80° E. and S. 80° W.; thence over sandy bottom lands of the Fremont River.
19.92	Point for the center S. 1/16 sec. cor. of sec. 14 at proportionate distance; on S. bank of present channel of the Fremont River, bears N. 80° E. and S. 80° W.
	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and surrounded by a large mound of stone, with brass cap marked C S 1/16 | S14 C 1947
	Deposit a sandstone, 10 x 10 x 8 ins., at base of post, marked X.
21.00	The Fremont River, 50 lks. wide, 10 ins. deep, flows N. 80° E.
22.10	Top of N. bank of river, 10 ft. high, bears N. 80° E. and S. 80° W.
24.00	Base of nearly vertical ledge, 70 ft. high, at S. base of talus slope of N. breaks of Fremont River, bears N. 80° E. and S. 80° W.

Chains	
30.13	Base of vertical sandstone ledge, 480 ft. high, bears E. and W., 80 ft. above river.
	At a point on the S. face of ledge, about 5 ft. above base.
	Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument with brass cap marked
	S14 L | M 1947.
	I determine the distance of 39.84 chs. on line to true point for the center ¼ sec. cor., by triangulation from the ¼ sec. cor. of secs. 14 and 23.
	Base bears S. 89°43' W., 39.78 chs. dist. Angles - 90°26', 44°44'30", and 44°44'30".
39.84	To triangulation point at the true point for the center ¼ sec. cor., which is S. 89°58' W., 1.45 chs. dist. from the witness cor. to the cor. of said sec., 760 ft. above the Fremont River.
	Land, broken breaks of the Fremont River. Soil, sandy bottom lands of river and shallow loose sand in the depressions of the surface rock; 2nd and 4th rates. Timber, scattered cottonwood along bottom lands of river. Undergrowth, very scattered browse and weeds. Poor grazing land.
	From the E. 1/16 sec. cor. of secs. 14 and 23.
	N. 0°04' E., on true N. and S. center line of the SE¼ sec. 14.
	Descend gradual NE. slope of broken top of high rocky and ledgy plateau, through very scattered scrub timber and short undergrowth.
12.40	Rocky gulch, 75 ft. deep, drains NE.
19.96	Point for the SE. 1/16 sec. cor. of sec. 14, at the intersection with the true E. and W. center line. Mark a cross (X) on the sandstone surface rock, over which:
	Set an iron post, 3 ft. long, 1 in. in diam., in a large mound of stone, 6 ft. base, 3 ft. high, with brass cap marked
	SE 1/16 S14 1947.
	Cor. set at the top of nearly vertical sandstone ledge facing N. and which forms the top of N. breaks of the Fremont River, bears N. 85° W. and N. 85° E.
	I determine the distance, 10.28 chs. on line to bottom of canyon by triangulation from the SE. 1/16 sec. cor.
	Base bears S. 66°59' W., 3.455 chs. dist. Angles - 19°36', 66°55', and 93°29'. Vertical angle from cor. to bottom of canyon is minus 24°00'.

SUBDIVISION OF SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

Chains	
28.00	The Fremont River, 50 lks. wide, 10 ins. deep, in bottom of canyon, 302 ft. below the SE. 1/16 sec. cor., flows easterly; thence across bottom lands of canyon.
30.24	To point of trianulation; continue across bottom land of canyon.
31.60	Point on nearly vertical S. face of sandstone ledge at the base of N. breaks of the Fremont River, bears East and West. At a point on S. face of ledge about 5 ft. above the ground. Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument, with brass cap marked S14 L | M 1947 The line to the N. of this point ascends the inaccessible N. breaks of the Fremont River, I therefore determine the distance of 18.11 chs. from the SE. 1/16 sec. cor. to the witness cor. to the center E. 1/16 sec. cor. Base bears N. 89°55' W., 11.13 chs. dist. from the SE. 1/16 sec. cor. Angles - 89°59', 31°35', and 58°26'.
38.07	Triangulation point at the witness cor. to the center E. 1/16 sec. cor. sec. 14, 540 ft. above the Fremont River; continue ascent over ledges.
39.92	The true point for the center E. 1/16 sec. cor. of sec. 14. Land, broken breaks of the Fremont River and the Capitol Reef. Soil, shallow loose sand in the bottom of canyon and in the depressions of the surface rock; 4th rate. Timber, a few scattered scrub juniper and pinon. Undergrowth, browse and weeds. Poor grazing land.

From the S. 1/16 sec. cor. of secs. 13 and 14.

N. 89°55' W., on true E. and W. center line of the SE¼ sec. 14.

Ascend gradually over broken sandstone outcroppings and surface rock, through very scattered timber and undergrowth. Line follows near top of the S. breaks of the Fremont River.

1.00	Rocky gulch, 50 ft. deep, drains NE.
5.00	Low spur, slopes NE., about 7.50 chs. dist. to end.
8.20	Rocky gulch, 75 ft. deep, drains NE.
20.03	The SE. 1/16 sec. cor. of sec. 14, 190 ft. above the S. 1/16 sec. cor. of secs. 13 and 14.
31.20	Top of nearly vertical sandstone rim, 320 ft. high, bears N. 85° E. and S. 85° W.

SUBDIVISION OF SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

Chains	
	The line to the W. of this point is impracticable to chain. I therefore determine the distance of 8.86 chs. on line to the center S. 1/16 sec. cor. of sec. 14 by triangulation from this point. Base bears N. 0°09' E., 10.21 chs. dist. Angles - 89°56', 40°59', and 49°05'. Vertical angle is minus 28°42'.
31.62	Base of nearly vertical rim, 320 ft. below top, bears N. 85° E. and S. 85° W. At this point in the face of rim, about 5 ft. above the ground. Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument, with brass cap marked L/M S14 1947 Thence over nearly level bottom lands of the Fremont River.
40.06	The center S. 1/16 sec. cor. of sec. 14. Land, broken S. breaks of the Fremont River and Capitol Reef. Soil, shallow red sand; 4th rate. Timber, a few scattered scrub juniper and pinon. Undergrowth, browse and weeds. Poor grazing land.
	--- From the W. 1/16 sec. cor. of secs. 14 and 23. N. 0°01' W., on true N. and S. center line of the SW¼ sec. 14. Along W. edge of broken volcanic bench through scattered short undergrowth.
0.70	Top of W. rim of bench, 10 ft. above cor., bears N. 20° W. and SE; thence descend gradually over rolling N. slope.
10.40	Top of S. rim of Fremont River, bears N. 80° E. and S. 80° W.; descend abruptly over ledgy N. slope.
17.00	The Fremont River, 60 lks. wide, 10 ins. deep, in bottom of canyon, 290 ft. below cor., flows E.; thence across bottom lands of canyon.
19.96	Point for the SW. 1/16 sec. cor. of sec. 14, in bottom lands of canyon, at the intersection with the true E. and W. center line of the SW¼ sec. 14. Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground and in a mound of stone, 5 ft. base, 1 ft. high, with brass cap marked SW 1/16 S14 1947

SUBDIVISION OF SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

Chains	
	Deposit a cobble stone, 10 x 10 x 8 ins., at base of post,
20.75	Enter fruit orchard, bears E. and W.
22.00	Leave fruit orchard and ascend steep S. face of talus slope of N. breaks of the Fremont River, bears E. and W.
30.90	Base of nearly vertical sandstone cliff, 525 feet high, faces S. and bears E. and W.
	At this point on face of cliff, above 5 ft. above the ground and 240 ft. above the Fremont River.
	Set an iron post, 1 ft. long, 1 in. in diam., 10 ins. in a hole drilled in the solid sandstone, for a line monument, with brass cap marked

S14

L | M

1947

The line to the N. of this point ascends the inaccessible N. breaks of the Fremont River, I therefore determine the distance, 39.92 chs. on line to the center W. 1/16 sec. cor. by triangulation from the W. 1/16 sec. cor. of secs. 14 and 23.

Base bears S. 89°43' W., 39.78 chs. dist.
Angles - 90°16', 44°46', and 44°58'.

39.92	To point of triangulation at the center W.1/16 sec. cor. sec. 14, 730 ft. above the Fremont River.

Land, broken breaks of the Fremont River and the Capitol Reef.
Soil, shallow loose sand; 4th rate.
Timber, a few scattered juniper and pinon with cottonwood along bottom lands of river.
Undergrowth, browse and weeds.
Poor grazing land.

From the center S. 1/16 sec. cor. of sec. 14.

S. 89°51' W., on true E. and W. center line of the SW¼ sec. 14.

Over bottom lands of the Fremont River

1.00	Fremont River, 50 lks. wide, 10 ins. deep, flows N. 80° E.
12.00	Recross river, flows S. 80° E.
18.10	Recross river, flows N. 30° E.
19.94	The SW. 1/16 sec. cor. of sec. 14.
20.40	Enter fruit orchard, bears N. and S.
35.30	Leave same and enter channel of Sand Creek, bears NW. and SE.
37.40	Sand Creek, stream of muddy alkali water, 10 lks. wide, 2 ins. deep, flows S. 80° E.
39.88	The S. 1/16 sec. cor. of secs. 14 and 15.

SUBDIVISION OF SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

Chains	
	Land, bottom lands of the Fremont River. Soil, deep loose sand; 3rd rate. Timber, scattered cottonwood along banks of river. Undergrowth, browse and weeds. Fair grazing land.

GENERAL DESCRIPTION SOUTH HALF SEC. 14, T. 29 S., R. 6 E.

The land within the boundaries of the south half of sec. 14, T. 29 S., R. 6 E., Salt Lake Meridian, Utah, in general consists of the broken north and south breaks of the Fremont River, which also form the breaks of the Capitol Reef National Monument. The breaks are of a sandstone formation and are rimmed with a nearly vertical sandstone cliff which in places is 630 ft. high. From the base of this cliff, a steep rough talus slope reaches to the bottom lands of the canyon through which the Fremont River flows. The coloring and formation of the ledges are very scenic. Near the north boundary of the NE¼ SE¼, of section 14, is a very scenic natural bridge and an old Indian cliff dwelling.

Small areas of the bottom lands of the canyon are being satisfactorily cultivated and a good grade of fruit in commercial quantities is being produced. Several families live in the surveyed area and Utah State Highway No. 24, bears in a northerly and southerly direction through the west portion of the SW¼ of the SW¼ sec. 14. The greater portion of the town of Fruita, Utah, is located in the SW¼ of the section. Except for the privately owned land, all of the surveyed area is within the boundaries of the Capitol Reef National Monument.

No indications of coal, oil, oil shale, or mineral were found.

4-680
(Revised May 1964)

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Fred R. Chappell	Chainman
Scott Matheson, Jr.	Chainman
Allen E. Allred	Flagman
Robert Hanson	Cornerman
Gilbert H. Howard	Axeman

6—8412

CERTIFICATE OF SURVEYOR

151

I, Elliot Bird, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of supplemental special instructions bearing date of the 10th day of December 1945, received from the regional district cadastral engineer for Region No. 4, with assignment instructions dated August 5, 1947, I have ~~surveyed~~ made a dependent resurvey of a portion of the boundaries, and a survey of the subdivision of the south half of section 14, T. 29 S., R. 6 E.,

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah.

December 1, 1946

Elliot Bird

Cadastral Engineer

CERTIFICATE OF APPROVAL

~~Office of Supervisor of Surveys,~~

Washington, D.C. JAN 4 1948, 19

The foregoing field notes of the ~~survey of~~ dependent resurvey of a portion of the boundaries and a survey of the subdivision of the south half of section 14, T. 29 S., R. 6 E., Salt Lake Meridian, Utah

executed by Elliot Bird, Cadastral Engineer, under supplemental special instructions dated December 10, 1945, and assignment instructions dated August 5, 1947, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

Earl G. Harrington

~~Supervisor of Surveys.~~

Chief, Division of Engineering

~~CERTIFICATE OF TRANSCRIPT~~

~~I CERTIFY that the foregoing transcript of the field notes of the above described surveys in _____, is a true copy of the original field notes on file in the public survey office.~~

~~Supervisor of Surveys.~~

U. S. GOVERNMENT PRINTING OFFICE 0—9612

4—679
(September 1948)

152

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

Portion of the Subdivision of

Township 29 South, Range 7 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Kenneth F. Hansen Cadastral Engineer

Under special instructions dated April 15, *19* 55, *which provided for the surveys included under Group No.* 412, *approved* April 25, 1955 *and assignment instructions dated* May 2, *19* 55

Survey commenced May 26, *19* 55

Survey completed July 10, *19* 55

U. S. GOVERNMENT PRINTING OFFICE 16—56770-1

INDEX DIAGRAM

Township 29 South, *Range* 7 East

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16—56770-1

Portion of the Subdivision, T. 29 S., R. 7 E.

The east boundary of T. 29 S., R. 7 E. was surveyed by A. D. Ferron in 1883, and the south 4 miles of this boundary resurveyed by Adolphe Jessen in 1891. Also in 1891, Jessen surveyed the east 2 miles of the south boundary and a portion of the subdivision, consisting of sections 13, 14, 15, 23, 24, 25, 35 and 36. In 1895, A. Jessen and A. D. Ferron surveyed the center 2 miles of the south boundary, the south 2½ miles of the west boundary, the east 5½ miles of the north boundary, and section 16 of the subdivision. In 1952, A. Nelson and R. C. Yundt resurveyed the east boundary of the township. The north boundary was resurveyed concurrently by K. F. Hansen, under Group 412, and its record appears in the field notes of T. 28 S., R. 7 E.

The following field notes are those of the survey of a portion of the subdivision of T. 29 S., R. 7 E., deemed sufficient in extent, with those sections already surveyed, to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State School Sections.

The survey was made with a W.&L.E. Gurley solar transit, No. 541325. This instrument is the property of the Bureau of Land Management, and was constructed in accordance with the standard instrumental requirements of the Bureau. The horizontal circles are equipped with two double opposite verniers reading to thirty seconds and the vertical circle with one double vernier reading to single minutes. The instrument was maintained in good adjustment throughout the survey.

Corners on the east-west lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the position they would occupy if the entire township were subdivided.

The directions of the lines of survey were determined generally by sustained angulation carried forward from meridians established by observations upon Polaris, and were supplemented by numerous altitude observations on the sun taken throughout the progress of the survey.

Measurements were made with narrow steel tapes, 8 chs. in length, graduated every link for the first 100 links and the remainder at intervals of 10 links. The tapes were tested by comparison with a one-chain standard steel tape and found correct. All measurements were made on the slope and the vertical angle of each interval ascertained by a clinometer in good adjustment; the horizontal equivalents alone are entered in the field note record. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverses or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic position for the southeast corner of section 1 of this township is latitude 38° 18' 33.5" N., and longitude 111° 06' 02.5" W., as determined by traverse from U.S.G.S. Triangulation Station "Black", which is situated in section 30, T. 28 S., R. 8 E.

The magnetic declination was read at a number of stations throughout the course of this survey and the average of the several readings was found to be 15° 45' E.

Chains	
	From the cor. of secs. 1 and 12, on the E. bdy. of the Tp., which is monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 29 S., R. 8 E.
	West, on a sectional correction line, between secs. 1 and 12.
	Across blue clay flats with very sparse undergrowth.
8.40	Wash, 20 lks. wide, 4 ft. deep, drains N. 70° E. from S. 70° W.
33.60	Wash, 30 lks. wide, 3 ft. deep, drains N. from S. for 3 chs., thence due east.
40.00	Point for the ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S 1 / S12 / 1955
	Raise a mound of stone, 2½ ft. base, 21 ins. high, N. of cor.
57.38	Small wash, drains N. 80° E., from S. 65° W.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 23 ins. in the ground, with brass cap mkd.
	T29SR7E / S 2 | S 1 / S11 | S12 / 1955
	Raise a mound of stone, 3 ft. base, 36 ins. high, W. of cor.
	Land, flat. Soil, blue clay. Timber, none. Undergrowth, sparse greasewood and range grass.
	West, on a sectional correction line, between secs. 2 and 11.
	Across blue clay flats.
24.03	Wash, 6 lks. wide, 2 ft. deep, drains N. 35° E. from S. 35° W.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid shale rock, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	¼ S 2 / S11 / 1955
	Continue over a series of small shale outcroppings.
40.29	Top of shale ridge, bears N. and S.
48.30	Top of shale ridge, bears N. and S.

Portion of the subdivision, T. 29 S., R. 7 E.

Chains	
57.27	Wash, 30 lks. wide, 3 ft. deep, drains N. 60° E. from S. 60° W.: asc. 30 ft. over a general E. slope.
62.50	Top of small hill, desc. over W. slope.
69.94	Base of descent; asc. 70 ft. over a NE. slope covered with many trachyte boulders.
77.25	Top of spur, projects N. 20° E., 5 chs. to clay flats; desc. 35 ft. over a steep NW. slope to cor.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.
	T29SR7E S 3 | S 2 S10 | S11 1955
	Land, flats, east portion, and shale hill, west portion. Soil, blue clay, shale and cover of trachyte rocks. Timber, none. Undergrowth, greasewood, shadscale and range grass.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 0° 21' E., bet. secs. 1 and 2.
	Across blue clay flats with sparse undergrowth.
30.80	Wash, 20 lks. wide, 5 ft. deep, drains N. 70° E. from S. 60° W.
32.40	Wash, 15 lks. wide, 3 ft. deep, drains E. from W.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	¼ S 2 | S 1 1955
	Raise a mound of stone, 2½ ft. base, 24 ins. high, W. of cor.
	Continue across blue clay flats.
48.10	Wash, 50 lks. wide, 7 ft. deep, drains S. 60° E. from W. for 2 chs., thence due east.
57.30	Wash, 45 lks. wide, 6 ft. deep, drains S. 70° E. from N. 70° W.
82.30	Wash, 15 lks. wide, 4 ft. deep, drains N. 75° E. from S. 70° W. 4 chs. into a larger wash, which drains E. from W.
82.60	The true point for the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., and from which its witness cor. bears W. 40 lks. dist., and is monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the record of the concurrent survey of T. 28 S., R. 7 E.

Chains	
	Land, flat. Soil, blue clay. Timber, none. Undergrowth, sparse greasewood, shadscale and range grass.
	From the cor. of secs. 2, 3, 10 and 11. N. 0° 21' E., bet. secs. 2 and 3. Over shale hills and blue clay flats; desc. 35 ft. over a series of small shale outcroppings and a general N. slope of shale hill.
11.30	Wash, 15 lks. wide, 6 ft. deep, drains N. 60° E. from S. 50° W.; across nearly level terrain of the blue clay flats.
35.00	Wash, 30 lks. wide, 3 ft. deep, drains E. from W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground with brass cap mkd. $\frac{1}{4}$ S 3 | S 2 1955 Raise a mound of stone, $2\frac{1}{2}$ ft. base, 20 ins. high, W. of cor. Continue across blue clay flats.
43.90	Wash, 40 lks. wide, 3 ft. deep, drains S. 65° E. from N. 50° W.
52.50	Wash, 20 lks. wide, 4 ft. deep, drains E. from W.
58.03	Wash, 30 lks. wide, 3 ft. deep, drains S. 75° E. from N. 75° W., continue across level ground.
82.60	The cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., monumented by an iron post, $2\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the record of the concurrent survey of T. 28 S., R. 7 E. Land, rolling to flat. Soil, shale to blue clay. Timber, none. Undergrowth, greasewood, shadscale and sparse range grass.

General Description

The general topography of Sections 1 and 2, T. 29 S., R. 7 E., is part of a large, broad, level valley called "Blue Clay Flats".

The soil of these sections consists chiefly of soft, billowy, blue clay. In the extreme south portion of Section 2, hard blue shale rock appears in numerous outcroppings. The rapid and easy decomposition of this shale forms the blue clay of the flats. Also found in the extreme south portion of Section 2 are shale hills which are thickly covered with various sizes of trachyte stones.

Portion of the Subdivision, T. 29 S., R. 7 E.

The entire area slopes gently eastward, and is drained by a series of shallow washes. These washes drain out of the blue flats eastward and into a large wash which drains south 2 miles into the Fremont River.

The blue clay flats are part of the Morrison geological formation; consequently, the total area of Sections 1 and 2 are staked for uranium locations. Outside of being on a known uranium producing geological formation, no evidence of any mineral was found during the progress of this survey.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Craig P. Sylvester	Principal Assistant
Harvey J. Parker	Note-keeper
Walter E. Furen	Chainman
Lowell Q. Hermansen	Rodman
Andrew M. Nelson	Cornerman
Darwin L. Turner	Cornerman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth F. Hansen, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15 th day of April, 1955, I have surveyed Portions of the Subdivision, Township 29 South, Range 7 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

January 18, 1956

Salt Lake City, Utah

Kenneth F. Hansen

Kenneth F. Hansen
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUL 10 1958, *19*

The foregoing field notes of the survey of Portion of the Subdivision, Township 29 South, Range 7 East, S. L. M., Utah

executed by Kenneth F. Hansen

having been critically examined and found correct, are hereby approved.

Earl G. Harrington

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~

~~, is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer.~~

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