Volume

# #

R0564

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY OF THE

EAST AND NORTH BOUNDARIES

AND A

PORTION OF THE SUBDIVISION

AND THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 15 WEST

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

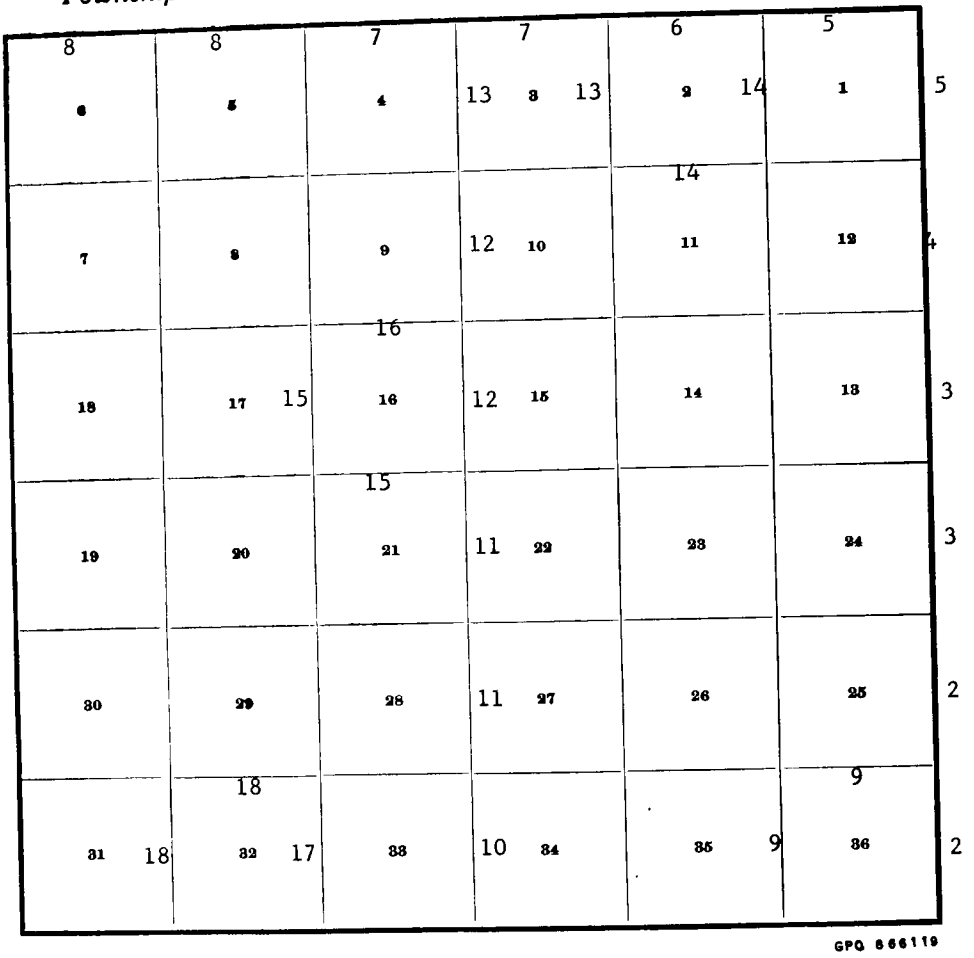
Under special instructions dated August 4, *1954, which provided for the surveys included under Group No.* 407, *approved* September 7, 1954 *and assignment instructions dated* May 1, *1959*

Survey commenced June 12, *19* 59

Survey completed August 14, *19* 59

INDEX DIAGRAM

Township 19 South , *Range* 15 West



GPO 866119

Township 19 South, Range 15 West

Chains

The east boundary and the east four miles of the south boundary and a portion of the subdivision were surveyed by A. J. Stewart Jr. in 1884. The surveys by Stewart are to be abandoned and surveyed by the independent resurvey method. The west boundary was surveyed concurrently and is described in the field notes of T. 19 S., R. 16 W.

The following field notes are those of the independent resurvey of the east and north boundaries and a portion of the subdivision and the survey of a portion of the subdivision of T. 19 S., R. 15 W. deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 06' 20.02" N. and longitude 113° 28' 23.94" W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30" East.

Independent Resurvey of the East Boundary of T. 19 S., R. 15 W.

Independent resurvey superseding the survey of Deputy Surveyor A. J. Stewart in 1884. Except as shown herein, no evidence of original cors. was found.

Beginning at the cor. of Tps. 19 and 20 S., Rs. 14 and 15 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 15 W.

Chains

North, bet. secs. 31 and 36.

Over nearly level desert land.

40.00 Point for the ¼ sec. 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.

T19S
R15W R14W
¼
S36 | S31
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

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.

T19S
R15W R14W
S25 | S30
S36 | S31
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, nearly level.
Soil, sand.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 25 and 30.

Over nearly level desert land.

40.00 Point for the 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.

T19S
R15W R14W
¼
S25 | S30
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

From this cor. the original ¼ sec. cor. of secs. 25 and 30 bears N. 77° 23' W., 17.49 chs. dist., a flint rock, 12x7x6 ins., mkd. ¼ on W. face, with a small mound of stone. I destroy this cor.

48.30 Wash, 10 lks. wide, 2 ft. deep, drains SW.

55.60 Graded road, bears N. 37° W. and S. 37° E.

73.90 Wash, 20 lks. wide, 3 ft. deep, drains S. 70° W.

80.00 Point for the cor. of secs. 19, 24, 25 and 30.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, with brass cap mkd.

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ent of the East Boundary of T. 19 S., R. 15 W.

Chains	
	T19S R15W R14W S24 | S19 S25 | S30 1959
	Land, level. Soil, gravel and sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 19 and 24.
	Over nearly level land; asc. slight SW. slope.
17.20	Wash, 40 lks. wide, 3 ft. deep, drains W.
36.40	Wash, 30 lks. wide, 3 ft. deep, drains SW.
40.00	Point for the ¼ sec. cor. of secs. 19 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R15W R14W ¼ S24 | S19 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
72.30	Wash, 30 lks. wide, 3 ft. deep, drains W.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd. T19S R15W R14W S13 | S18 S24 | S19 1959
	Land, nearly level. Soil, gravel and sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 13 and 18.
	Over nearly level land; asc. gradual SW. slope.
5.00	Wash, 40 lks. wide, 2 ft. deep, drains W.
19.40	Wash, 20 lks. wide, 2 ft. deep, drains W.
31.30	Trail road, bears E. and W.
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 bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd. T19S R15W R14W ¼ S13 | S18 1959

Independent Resurvey of the East Boundary of T. 19 S., R. 15 W.

Chains	
41.70	Small wash, drains N. 70° W.
56.70	Small wash, drains N. 70° W.
63.50	Small wash, drains N. 60° W.
72.80	Small wash, drains N. 70° W.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.

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

T19S
R15W R14W
S12 | S 7
S13 | S18
1959

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

From this cor. the original cor. of secs. 7, 12, 13 and 18 bears N. 73° 48' W., 19.02 chs. dist., a limestone 12x8x3 ins., mkd. 4 notches on the S. side and 2 notches on N. side. I destroy this cor.

Land, nearly leve.
Soil, gravel and sand.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 7 and 12.

Over nearly level land.

11.40	Wash, 10 lks. wide, 2 ft. deep, drains W.
23.30	Wash, 20 lks. wide, 2 ft. deep, drains NW.
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.

T19S
R15W R14W
¼
S12 | S 7
1959

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

50.80	Wash, 50 lks. wide, 3 ft. deep, drains NW.
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.

T19S
R15W R14W
S1 | S6
S12 | S 7
1959

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Chains	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. From this cor. the original cor. of secs. 1, 6, 7 and 12 bears N. 71° 02' W., 19.04 chs. dist., a limestone 12x10x8 ins., mkg. with 5 notches on the S. side and 1 notch on the N. side. I destroy this cor. Land, nearly level. Soil, gravel and sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 1 and 6. Over nearly level desert land.
40.00	Point for the ¼ sec. 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. T19S R15W R14W ¼ S1 | S6 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
73.90	Unimproved road, bears S. 70° E. and N. 70° W.
80.00	Point for the cor. of Tps. 18 and 19 S., Rs. 14 and 15 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R15W R14W S36 | S31 S1 | S6 T19S 1959 Raise a mound of stone, 3½ ft. base, 3 ft. high, S. of cor. From this cor. the center of a metal watertank bears S. 58° 20' W., 10.11 chs. dist. The geographical position as published by the U. S. Geological Survey is latitude 39° 11' 29.62" N. and longitude 113° 28' 31.06" W. Land, nearly level. Soil, sand and gravel. Timber, none. Undergrowth, scattered sagebrush and shadscale.

Independent Resurvey of the North Boundary of T. 19 S., R. 15 W.

Independent resurvey superseding the survey of Deputy Surveyor A. J. Stewart Jr. in 1884. No evidence of original cors was found.

From the cor. of Tps. 18 and 19 S., Rs. 14 and 15 W.

S. 89° 55' W., bet. secs. 1 and 36.

Independent Resurvey of the North Boundary of T. 19 S., R. 15 W.

Chains	
	Over nearly level land; desc. gradual W. slope.
2.20	Graded road, bears N. 30° E. and S. 30° W.
21.60	Graded road, bears N. 75° W. and S. 75° E.
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.
	T18S R15W ¼ S36 S 1 T19S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R15W S35 | S36 S2 | S1 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 55' W., bet. secs. 2 and 35.
	Over nearly level land; desc. gradual W. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T18S R15W ¼ S35 S 2 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
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.
	T18S R15W S34 | S35 S3 | S2 T19S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

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Resurvey of the North Bounda of T. 19 S. R. 15 W.

Chains	
	Land, level. Soil, sand, Timber, none. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 55' W., bet. secs. 3 and 34.
	Over nearly level land.
34.10	Trail road, bears N. 70° E. and S. 70° W.
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.
	T18S R15W ¼ S34 S 3 T19S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
53.80	Wash, 40 lks. wide, 1 ft. deep, drains N. 50° E.
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.
	T18S R15W S33 S34 S4 S3 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Land, level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	S. 89 55' W., bet. secs. 4 and 33.
	Over nearly level land; asc. gradual E. slope.
34.30	Wash, 30 lks. wide, 3 ft. deep, drains N. 70° E.
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.
	T18S R15W ¼ S33 S 4 T19S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

Independent Resurvey of the North Boundary of T. 19 S., R. 15 W.

Chains	
80.00	Point for the cor. of secs. 4, 5, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T18S R15W S32 | S33 S5 | S4 T19S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 55' W., bet. secs. 5 and 32. Over nearly level land; asc. slight E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T18S R15W ¼ S32 S 5 T19S 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
80.00	Point for the cor. of secs. 5, 6, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T18S R15W S31 | S32 S6 | S5 T19S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 55' W., bet. secs. 6 and 31. Over nearly level land; asc. gradual E. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

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Independent Resurvey of the North Boundary of T. 19 S., R. 15 W.

Chains

T18S R15W
¼ S31
S 6
T19S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

66.00 Graded road, bears N. 87° E. and S. 87° W.

78.92 The cor. of Tps. 18 and 19 S., Rs. 15 and 16 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 19 S., R. 16 W.

Land, nearly level.
Soil, sand.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 19 S., R. 15 W.

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.

Over nearly level desert land.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

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

T19S R15W
¼
S35 | S36
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

80.00 Point for the cor. of secs. 25, 26, 35 and 36,

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

T19S R15W
S26 | S25
S35 | S36
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Land, level.
Soil, sand.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.

S. 89° 55' W., bet. secs. 25 and 36.

Over nearly level desert land.

Survey of a Portion of the Subdivision of T. 19 S., R. 15 W.

Chains	
40.02	Point for the ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W ¼ S25 S36 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
80.04	The cor. of secs. 25, 26, 35 and 36. Land, level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 15 W. N. 0° 02' W., bet. secs. 33 and 34. Over nearly level desert land.
6.80	Wash, 15 lks. wide, 2 ft. deep, drains N. 55° E.
35.70	Wash, 20 lks. wide, 3 ft. deep, drains N. 30° E.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R15W ¼ S33 | S34 1959 Raise a mound of stone, 3½ ft. base, 3 ft. high, W. of cor.
40.30	Graded road, bears N. 34° E. and S. 34° W.
58.10	Trail road, bears N. 37° E. and S. 37° W.
63.10	Wash, 20 lks. wide, 2 ft. deep, drains N. 30° E.
78.20	Wash, 30 lks. wide, 1 ft. deep, drains N. 40° E.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R15W S28 | S27 S33 | S34 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, nearly level. Soil, gravel and sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.

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Chains	
	N. 0° 02' W., bet. secs. 27 and 28.
	Over nearly level land; desc. gradual N. slope.
13.00	Wash, 20 lks. wide, 2 ft. deep, drains N. 5° E.
35.30	Wash, 30 lks. wide, 2 ft. deep, drains N. 10° E.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W ¼ S28 | S27 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
52.60	Trail road, bears E. and W.
56.90	Graded road, bears N. 70° W. and S. 70° E.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R15W S21 | S22 S28 | S27 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W ¼ S21 | S22 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
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. T19S R15W S16 | S15 S21 | S22 1959

Chains	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over nearly level land.
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. T19S R15W ¼ S16 | S15 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
48.00	Wash, 40 lks. wide, 2 ft. deep, drains S. 60° E.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R15W S 9 | S10 S16 | S15 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over nearly level desert land.
2.90	Wash, 40 lks. wide, 2 ft. deep, drains S. 70° E.
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. T19S R15W ¼ S 9 | S10 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Over gently rolling land.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.

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Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W S4 | S3 S 9 | S10 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, nearly level in S. ½ mile, rolling in N. ½ mile. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 07' E., bet. secs. 3 and 4. Over nearly level desert land.
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. T19S R15W ¼ S4 | S3 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
40.60	Wash, 50 lks. wide, 2 ft. deep, drains N. 70° E.
65.70	Trail road, bears E. and W.
80.13	The cor. of secs. 3, 4, 33 and 34. Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp. S. 0° 01' E., bet. secs. 2 and 3. Over nearly level land.
40.08	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. T19S R15W ¼ S3 | S2 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Chains	
80.08	Point for the cor. of secs. 2, 3, 10 and 11, at a distance calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W S3 | S2 S10 | S11 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	N. 89° 53' E., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10. Over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R15W ¼ S 2 S11 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W S2 | S1 S11 | S12 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 1, 2, 11 and 12. N. 0° 02' W., bet. secs. 1 and 2. Over nearly level land.
19.90	Wash, 15 lks. wide, 2 ft. deep, drains N. 60° W.

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Chains	
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. T19S R15W ¼ S2 | S1 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
80.03	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp. Land, level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 15, 16, 21 and 22. S. 89° 56' W., bet. secs. 16 and 21. Over nearly level desert land.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd. T19S R15W ¼ S16 S21 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
52.40	Wash, 30 lks. wide, 3 ft. deep, drains N. 40° E.
59.60	Wash, 20 lks. wide, 1 ft. deep, drains N. 30° E.
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. T19S R15W S17 | S16 S20 | S21 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	Independent Resurvey of a portion of the Subdivision, T. 19 S.,R.15W.
	Superseding the survey executed by A. J. Stewart Jr. in 1884. No evidence of original cors. was found. N. 0° 03' W., bet. secs. 16 and 17. Over nearly level land.

6.60 Wash, 40 lks. wide, 3 ft. deep, drains S. 60° E.

13.10 Wash, 40 lks. wide, 2 ft. deep, drains S. 40° E.

36.00 Wash, 20 lks. wide, 3 ft. deep, drains N. 60° E.

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.

T19S R15W
¼
S17 | S16
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

54.10 Wash, 40 lks. wide, 2 ft. deep, drains N. 60° E.

73.20 Wash, 15 lks. wide, 2 ft. deep, drains E.

77.70 Wash, 30 lks. wide, 3 ft. deep, drains S. 60° E.

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.

T19S R15W
S8 | S9
S17 | S16
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.
Soil, sand.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 19 S., R. 15 W.

From the cor. of secs. 9, 10, 15 and 16, resuming original survey.

S. 89° 56' W., bet. secs. 9 and 16.

Over nearly level desert land.

5.70 Wash, 40 lks. wide, 2 ft. deep, drains N. 70° E.

20.00 Trail road, bears N. and S.

32.20 Wash, 60 lks. wide, 1 ft. deep, drains N. 60° E.

40.33 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.

T19S R15W
¼ S 9
S16
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high N. of cor.

Chains	
80.06	The cor. of secs. 8, 9, 16 and 17. Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.

Independent Resurvey of Portion of Subdivision of T. 19 S., R. 15 W.

Independent resurvey superseding the survey of Deputy Surveyor A. J. Stewart Jr. in 1884. No evidence of original cors. was found.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 15 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling land draining NE.

5.10	Wash, 40 lks. wide, 2 ft. deep, drains E.; desc. 80 ft. over rolling NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W ¼ S32 | S33 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Desc. 40 ft. over rolling NE. slope.
47.90	Wash, 40 lks. wide, 2 ft. deep, drains NE.; desc. 70 ft. over gradual NE. slope.
68.80	Wash, 20 lks. wide, 3 ft. deep, drains N. 60° E.; desc. 40 ft.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R15W S29 | S28 S32 | S33 1959 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor. Land, rolling. Soil, gravel and sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 19 S., R. 15 W.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described

Survey of a Portion of the Subdivision of T. 19 S., R. 15 W.

Chains	
	in the field notes of T. 20 S., R. 15 W., resuming original survey.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken land; asc. 120 ft. along E. slope.
13.00	Spur, slopes N. 60° E.; desc. 320 ft. over N. slope.
21.00	Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. 160 ft. over SE. slope.
26.00	Spur, slopes E.; desc. 200 ft. over N. slope.
31.00	Wash, 40 lks. wide, 3 ft. deep, drains S. 70° E.; asc. 200 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R15W ¼ S31 | S32 1959
	Asc. 180 ft. over S. slope.
48.30	Top of ridge, bears E. and W.
50.00	Head of gulch, drains steeply NE.; asc. 120 ft. along steep and broken E. slope.
67.20	Spur, slopes N. 30° E.; desc. 410 ft. over NW. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R15W S30 | S29 S31 | S32 1959
	Land, broken. Soil, clay and limestone outcroppings. Timber, scattered juniper and pinion.

	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 56' W., bet. secs. 29 and 32.
	Over rolling land; asc. 220 ft. over NE. slope.
40.00	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 mkd.
	T19S R15W ¼ S29 S32 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.

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Chains	
	Asc. 120 ft. over gradual E. slope.
55.70	Base of steep E. slope; asc. 460 ft.
74.60	Spur, slopes N. 30° E.; desc. 90 ft. over NW. slope.
80.00	The cor. of secs. 29, 30, 31 and 32.

Land, rolling to broken.
Soil, sand, clay and limestone outcroppings.
Undergrowth, scattered sagebrush and shadscale.
Timber, none.

GENERAL DESCRIPTION

The terrain within the township varies from rolling desert valley land to the broken eastern slopes of the Confusion Mountain Range, which is located in the south and western portions of the township.

Elevation varies from 7,500 feet above sea level on the higher peaks to 4,400 feet above sea level in the valley. The soil is made up of sand and clay with exposed limestone in the mountainous areas.

There is little timber in this township and the few growths of scrub juniper and pinion is located in the higher portions of the township.

Access into the area is provided by U. S. Highways Nos. 50 and 6 and desert roads.

A metal water tank is located in the northeastern portion of section 1, which is filled by a pipe line leading from Painter Springs. There is no habitation. Principal use of the township is for winter grazing for sheep.

There were no mineral formations noted during the survey.

Chains	

U. S. GOVERNMENT PRINTING OFFICE 16—25850-2

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Danny Fredrickson	Notekeeper
R. Gordon Shurtz	Chainman
Dennis D. Bland	Flagman
Garry Hardy	Axeman
Eldon D. Lovell	Cornerman

24

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954 I have ~~surveyed~~ supervised the independent resurvey of the east and north boundaries and a portion of the subdivision and surveyed a portion of the subdivision of T. 19 S., R. 15 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed under my supervision; 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 2, 1960

Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 5 1960, *19*

The foregoing field notes of the ~~survey of~~ independent resurvey of the east and north boundaries and a portion of the subdivision and the survey of a portion of the subdivision of T. 19 S., R. 15 W., Salt Lake Meridian, Utah

executed by Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

Clark L. Gumm
Acting *Cadastral Engineering Staff Officer.*

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 19 S., R. 15 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

U. S. GOVERNMENT PRINTING OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY OF THE EAST BOUNDARY

AND A

PORTION OF THE NORTH BOUNDARY

AND THE

INDEPENDENT RESURVEY OF A PORTION OF THE NORTH BOUNDARY

AND THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 16 WEST

Of the Salt Lake *Meridian,*

n the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party

Eldon W. Sibley, Cartographic Survey Aid

Lacel E. Bland, Cadastral Surveyor

nder special instructions dated August 4, *19* 54, *which provided*

or the surveys included under Group No. 407, *approved* September 7, 1954

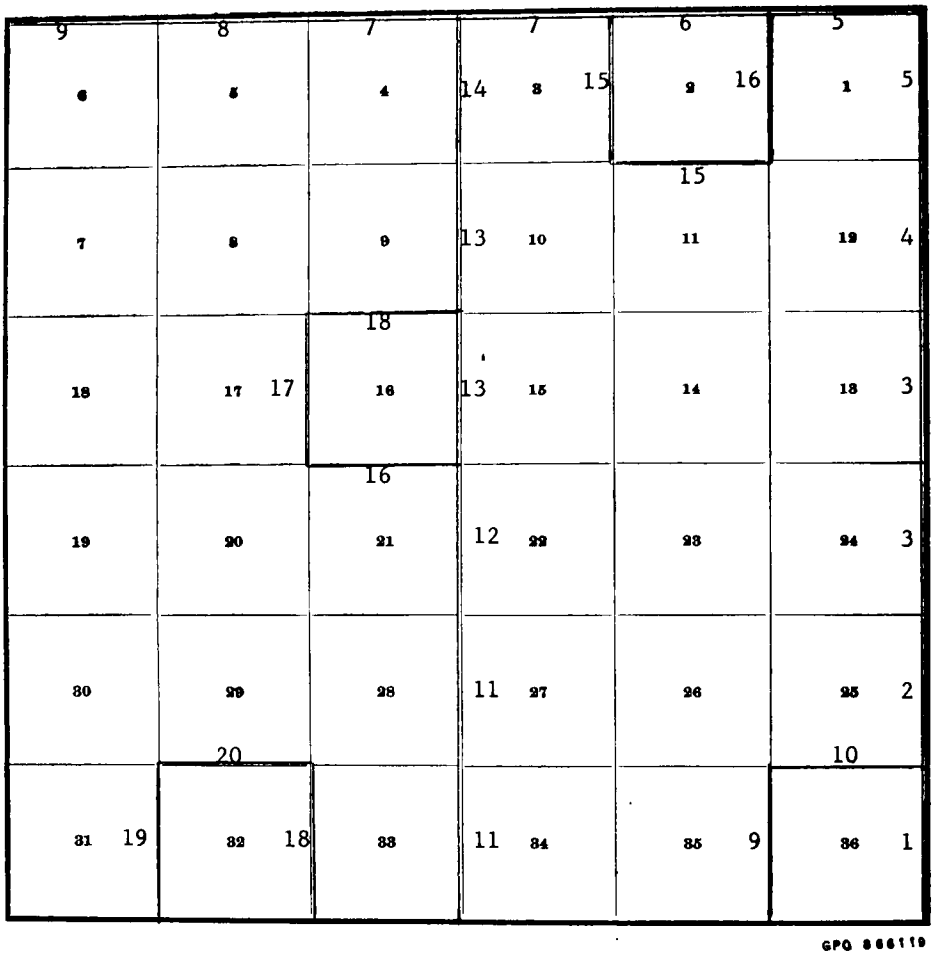
nd assignment instructions dated May 1, *19* 59

Survey commenced May 13, *19* 59

Survey completed June 26, *19* 59

INDEX DIAGRAM

Township 19 South, *Range* 16 West



GPO 866119

Eldon W. Sibley

Lacel E. Bland

Township 19 South, Range 16 West

Chains

A portion of the north boundary was surveyed by A. J. Stewart, Jr. in 1884. The south and west boundaries were surveyed concurrently and are described in the field notes of T. 20 S., R. 16 W. and T. 19 S., R. 17 W., respectively.

The following field notes are those of the independent resurvey of a portion of the north boundary and the survey of the east boundary, a portion of the north boundary and a portion of the subdivision of T. 19 S., R. 16 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 491037 and 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to beginning the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 06' 19.8" N. and longitude 113° 35' 05.0" W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary of T. 19 S., R. 16 W.

Beginning at the cor. of Tps. 19 and 20 S., Rs. 15 and 16 W., which is monumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 20 S., R. 16 W.

North, bet. secs. 31 and 36.

Over broken land; asc. 50 ft. along W. slope.

Chains	
7.40	Small wash, drains SW.; asc. 33 ft. over SW. slope.
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, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W R15W ¼ S36 | S31 1959
	Asc. 50 ft. over SW. slope.
43.60	Spur, slopes W.; desc. 90 ft. over N. slope.
50.90	Small wash, drains SW.; asc. 140 ft. over S. slope.
61.50	Spur, slopes SW.; desc. 30 ft. over N. slope.
64.80	Small wash, drains SW.; asc. 170 ft. over S. slope.
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, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W R15W ¼ S25 | S30 1959
	Land, broken. Soil, light clay and exposed limestone. Timber, scattered juniper and pinion.

	North, bet. secs. 25 and 30.
	Over broken land; asc. 50 ft. over S. slope.
5.40	Spur, slopes W.; desc. 50 ft. over N. slope.
9.50	Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 90 ft. over SW. slope.
19.40	Top of ridge, bears N. 20° W. and S. 20° E.; desc. 110 ft. over NE. 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, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R16W R15W ¼ S25 | S30 1959
	Desc. 370 ft. over NE. slope.
71.20	Ravine, drains NE.; asc. 150 ft. over SE. slope.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.

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Survey of the East Boundary of T. 19 S., R. 16 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R16W R15W S24 | S19 S25 | S30 1959 Land, broken. Soil, clay and exposed limestone. Timber, scattered juniper and pinion.
	North, bet. secs. 19 and 24. Over broken land; asc. 90 ft. over S. slope.
7.30	Spur, slopes NE., by triangulation desc. about 600 ft. over ledges facing NW.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24 falls on ledges facing NW. and was not monumented. Desc. about 100 ft. over ledges facing NW.
51.00	Head of a box canyon, drains NE.; asc. about 600 ft. over ledges facing SE.
70.80	End of triangulation. Ridge, bears N. 30° E. and S. 30° W.; desc. 60 ft. over NW. slope.
74.65	Point selected for the witness cor. of secs. 13, 18, 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R16W R15W W C S13 | S18 S24 | S19 1959 Desc. 90 ft. over NW. slope.
80.00	Point for the cor. of secs. 13, 18, 19 and 24 falls on ledges facing NW. and cannot be perpetuated. Land, broken. Soil, shallow clay and exposed limestone. Timber, scattered juniper and pinion.
	North, bet. secs. 13 and 18. Over broken land, by triangulation, desc. about 500 ft. over steep and broken NW. slope.
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, in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Chains

T19S
R16W R15W
¼
S13 | S18
1959

Desc. 230 ft. over NW. slope.

57.00 Wash, 20 lks. wide, 2 ft., drains E., thence over rolling land draining easterly.

64.90 Wash, 20 lks. wide, 2 ft. deep, drains E.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S
R16W R15W
S12 | S 7
S13 | S18
1959

Land, S½ mile broken, N½ mile rolling.
Soil, sandy loam, gravel, clay and exposed limestone.
Timber, scattered scrub juniper in S½ mile.
Undergrowth, scattered sagebrush and shadscale.

North, bet. secs. 7 and 12.

Over rolling desert land draining easterly.

14.00 Wash, 30 lks. wide, 2 ft. deep, drains NE.

26.70 Wash, 40 lks. wide, 3 ft. deep, drains E.

34.70 Trail road, bears NE. and SW.

40.00 Point for the ¼ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S
R16W R15W
¼
S12 | S 7
1959

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

76.60 Wash, 20 lks. wide, 2 ft. deep, drains NE.

80.00 Point for the cor. of secs. 1, 6, 7 and 12.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S
R16W R15W
S1 | S6
S12 | S 7
1959

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

Survey of the East Boundary of T. 19 S., R. 16 W.

Chains	
	Land, rolling. Soil, sandy loam and gravel. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 1 and 6.
	Over rolling land draining easterly.
14.80	Wash, 50 lks. wide, 2 ft. deep, drains N. 70° E.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. T19S R16W R15W ¼ S1 | S6 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
79.80	Graded road, bears E. and W.
80.00	Point for the cor. of Tps. 18 and 19 S., Rs. 15 and 16 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R16W R15W S36 | S31 S1 | S6 T19S 1959
	Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of cor.
	Land, rolling. Soil, sandy loam and gravel. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	Independent Resurvey of the North Bdy., T. 19 S., R. 16 W.
	Superseding survey by A. J. Stewart, Jr. in 1884. No evidence of the original corners was found. From the cor. of Tps. 18 and 19 S., Rs. 15 and 16 W. S. 89° 57' W., bet. secs. 1 and 36. Over rolling land; asc. 70 ft. over E. slope.
31.10	Wash, 80 lks. wide, 2 ft. deep, drains N. 70° E.
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.

Chains

T18S R16W
¼ S36
S 1
T19S
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Asc. 40 ft. over rolling E. slope.

56.00 Base of ascent, bears NE. and SW.; asc. 90 ft. over SE. slope.

67.50 Small spur, slopes S. 20° E.; desc. 50 ft. over SW. slope.

75.40 Wash, 50 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 20 ft. over rolling E. slope.

80.00 Point for the cor. of secs. 1, 2, 35 and 36.

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

T18S R16W
S35 | S36
S2 | S1
T19S
1959

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

Land, rolling.
Soil, gravel, sandy.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

S. 89° 57' W., bet. secs. 2 and 35, beginning original survey.

Over rolling land; asc. 120 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35.

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

T18S R16W
¼ S35
S 2
T19S
1959

Asc. 190 ft. over rolling E. slope.

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.

T18S R16W
S34 | S35
S3 | S2
T19S
1959

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

Land, rolling.
Soil, gravel, sandy.

Chains	
	Undergrowth, scattered sagebrush and shadscale. Timber, scattered scrub juniper.
	S. 89° 57' W., bet. secs. 3 and 34.
	Over rolling land; asc. 20 ft. over E. slope.
4.40	Base of steep ascent, bears N. and S.; asc. 300 ft. over steep E. slope.
12.50	Ridge, bears N. and S.; desc. 270 ft. over W. slope.
25.00	Wash, 10 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 40 ft. over E. slope.
28.20	Spur, slopes S.; desc. 50 ft. over W. slope.
30.40	Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 130 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T18S R16W ¼ S34 S 3 T19S 1959
	Asc. 210 ft. over SE. slope.
58.50	Spur, slopes S.; desc. 260 ft. over W. slope.
71.10	Wash, 20 lks. wide, 3 ft. deep, drains S.; desc. 70 ft. over W. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T18S R16W S33 | S34 S3 | S4 T19S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, rolling to broken. Soil, sand, clay loam and exposed limestone. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 57' W., bet. secs. 4 and 33.
	Over broken land; desc. 10 ft. over W. slope.
1.00	Wash, 40 lks. wide, 2 ft. deep, drains SE.; asc. 160 ft. over E. slope.
2.20	Unimproved road, bears NW. and SE.
26.10	Small spur, slopes NE.; desc. 60 ft. over NW. slope.

Chains	
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, with brass cap mkd.
	T18S R16W ¼ S33 S 4 T19S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
	Desc. 20 ft. over NW. slope.
46.10	Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 720 ft. over broken E. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T18S R16W S32 | S33 S5 | S4 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Land, broken. Soil, clay loam, exposed limestone. Timber, scattered juniper. Undergrowth, scattered sagebrush and shadscale.
	S. 89° 57' W., bet. secs. 5 and 32.
	Over broken land; asc. 200 ft. over broken E. slope.
19.40	Ridge, bears N. and S.; desc. 380 ft. over W. slope.
32.70	Head of ravine, drains N.; asc. 160 ft. over E. slope.
37.00	Spur, slopes N.; desc. 30 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T18S R16W ¼ S32 S 5 T19S 1959
	Desc. 240 ft. over W. slope.
48.00	Unimproved road, bears N. and S.
49.50	Wash, 30 lks. wide, 4 ft. deep, drains N.; asc. 640 ft. over E. slope.
69.70	Ridge, bears N. and S.; desc. 110 ft. over W. slope.

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Inde[illegible]t Resurve[illegible] of the North Bdy. of T. 19 S., R. 16 W.

Chains

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone to top, 4 ft. base, with brass cap mkd.

T18S R16W
S31 | S32
S6 | S5
T19S
1959

Land, broken.
Soil, clay loam and limestone outcroppings.
Timber, scattered juniper and pinion.
Undergrowth, scattered sagebrush and shadscale.

S. 89° 57' W., bet. secs. 6 and 31.

Over broken land; desc. 370 ft. over W. slope.

40.00 Point for the ¼ sec. cor. of secs. 6 and 31.

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

T18S R16W
¼ S31
S 6
T19S
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Desc. 40 ft. over rolling W. slope.

44.30 Unimproved road, bears NE. and SW. on curve.

50.40 Same road, bears NW. and SE. on curve.

55.50 Same road, bears NE. and SW.

71.60 Wash, 10 lks. wide, 3 ft. deep, drains S.; asc. 20 ft. over E. slope.

78.50 Wash, 20 lks. wide, 2 ft. deep, drains S.

79.60 The cor. of Tps. 18 and 19 S., Rs. 16 and 17 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 19 S., R. 17 W.

Land, E½ miles broken; W½ mile rolling.
Soil, clay, sandy loam and exposed limestone.
Timber, scattered juniper and pinion.
Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision, T. 19 S., R. 16 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 20 S., R. 16 W.

N. 0° 01' W., bet. secs. 35 and 36.

Chains	
	Over broken mountainous land, through scattered timber; asc. 170 ft. over steep SW. slope.
11.00	Top of ascent on W. slope; desc. 160 ft. over NW. slope.
28.40	Ravine, drains SW.; asc. 280 ft. over steep SE. slope.
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 bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R16W ¼ S35 | S36 1959
	Asc. 10 ft. over SE. slope.
42.10	Spur, slopes E.; desc. 30 ft. over NE. slope.
46.10	Ravine, heads 1.00 ch. W., drains E.; asc. 80 ft. over SE. slope.
52.60	Ridge, bears E. and W.; desc. 190 ft. over steep N. slope.
61.70	Ravine, drains N. 10° W.; desc. 70 ft. along W. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R16W S26 | S25 S35 | S36 1959
	Land, broken and mountainous. Soil, clay, rocky and sandy. Timber, scattered juniper and pinion.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp., heretofore described.
	N. 89° 56' W., bet. secs. 25 and 36.
	Over broken mountainous land, through scattered timber; by triangulation, desc. about 120 ft. over W. slope.
10.00	Ravine, drains NW.; asc. about 160 ft. over NE. slope.
30.30	End of triangulation; ridge, bears N. 10° W.; desc. 140 ft. over NW. slope.
40.06	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R16W ¼ S25 S36 1959
	Desc. 50 ft. over NW. slope.

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Survey of a Portion of the Subdivision of T. 19 S., R. 16 W.

Chains	
46.40	Desc. 440 ft. over steep W. slope.
62.20	Ravine, drains N. 70° W.; asc. 130 ft. over NE. slope.
72.80	Spur, slopes NW.; desc. 100 ft. over NW. slope.
80.13	The cor. of secs. 25, 26, 35 and 36.
	Land, broken mountainous. Soil, clay, rocky and sandy. Timber, scattered juniper and pinion.
	From the true point for the cor. of secs. 3, 4, 33 and 34, on the S. bdy of the Tp., which is witnessed S. 89° 59' W., 0.20 chs. dist. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 16 W. N. 0° 02' W., bet. secs. 33 and 34.
	Over broken land; desc. 120 ft. along E. slope.
20.40	Wash, 10 lks. wide, 4 ft. deep, drains NE.; asc. 90 ft. along E. slope.
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, in a mound of stone to top, 3½ ft. base, with brass cap mkd. T19S R16W ¼ S33 | S34 1959
	Asc. 60 ft. along E. slope.
48.00	Spur, slopes NE.; desc. 420 ft. over N. slope.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd. T19S R16W S28 | S27 S33 | S34 1959
	Land, broken. Soil, clay loam and exposed limestone. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken land; desc. 70 ft. over N. slope.
8.20	Wash, 10 lks. wide, 4 ft. deep, drains W.; asc. 70 ft. over S. slope.
9.20	Trail road, bears W. and NE.
22.00	Top of small ridge, bears NW. and SE.; desc. 70 ft. over N. slope.
34.50	Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 30 ft. over SW. slope.

Survey of a Portion of the Subdivision of T. S. R. W

Chains	
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R16W ¼ S28 | S27 1959
	Asc. 200 ft. over SW. slope.
64.50	Spur, slopes W.; desc. 150 ft. over N. slope.
73.90	Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 70 ft. over S. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd. T19S R16W S21 | S22 S28 | S27 1959
	Land, broken. Soil, clay and exposed limestone. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over broken land; asc. 70 ft. over S. slope.
3.10	Spur, slopes E.; desc. 180 ft. over N. slope.
21.60	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 140 ft. over S. slope.
39.90	Spur, slopes W.; desc.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 1 in. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T19S R16W ¼ S21 | S22 1959
	Desc. 280 ft. over NW. slope.
66.10	Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 50 ft. over S. slope.
67.00	Trail road, bears NE. and SW.
74.70	Spur, slopes E.; desc. 80 ft. over N. slope.
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.

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Chains	
	T19S R16W S16 | S15 S21 | S22 1958
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken. Soil, clay loam and exposed limestone. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over broken land; desc. 20 ft. over N. slope.
8.50	Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 180 ft. over S. slope.
22.50	Spur, slopes W.; desc. 70 ft. over N. slope.
26.50	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 170 ft. over S. slope.
36.20	Spur, slopes SW.; desc. 50 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R16W ¼ S16 | S15 1959
	Desc. 50 ft. over NW. slope.
44.00	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 190 ft. over S. slope.
55.20	Ridge, bears E. and W.; desc. 380 ft. over N. slope.
78.40	Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 10 ft. over S. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W S 9 | S10 S16 | S15 1959
	Land, broken. Soil, clay loam and limestone outcroppings. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over broken land; asc. 140 ft. over S. slope.
12.60	Ridge, bears E. and W.; desc. 340 ft. over N. slope.
23.00	Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. 170 ft. over SE. slope.

Chains	
32.70	Top of rocky knob, 2 chs. diam.; desc. 260 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R16W ¼ S 9 | S10 1959
	Desc. 200 ft. over NE. slope.
64.50	Wash, 60 lks. wide, 2 ft. deep, drains N. 10° W., asc. 30 ft. along W. slope.
72.70	Small spur, slopes NW.; desc. 30 ft. along W. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W S4 | S3 S9 | S10 1959
	Land, broken. Soil, clay loam and exposed limestone. Undergrowth, scattered sagebrush and shadescale. Timber, scattered scrub juniper.
	N. 0° 11' E., bet. secs. 3 and 4.
	Over broken land; desc. 70 ft. along W. slope.
10.10	Wash, 60 lks. wide, 2 ft. deep, drains NE.; desc. 110 ft. over N. slope.
31.70	Wash, 30 lks. wide, 2 ft. deep, drains E.; asc. 30 ft. over rolling S. slope.
35.80	Graded road, bears S. 70° W. and N. 70° E.
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.
	T19S R16W ¼ S4 | S3 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Desc. 20 ft. over rolling N. slope.
59.20	Wash, 20 lks. wide, 2 ft. deep, drains E.
78.30	Unimproved road, bears NW. and SE.
79.10	Wash, 40 lks. wide, 2 ft. deep, drains SE.
80.31	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.

Chains	
	Land, broken S½ mile, rolling N½ mile. Soil, clay loam, sandy loam and exposed limestone. Timber, widely scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp. S. 0° 01' E., bet. secs. 2 and 3. Over rolling land; desc. gradual S. slope.
32.20	Graded road, bears S. 70° W. and N. 70° E.
37.70	Wash, 30 lks. wide, 3 ft. deep, drains E.; asc. gradual N. slope.
40.20	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. T19S R16W ¼ S3 | S2 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Asc. 100 ft. over gradual N. slope.
80.20	Point for the cor. of secs. 2, 3, 10 and 11, at a dist. calculated to intersect a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R16W S3 | S2 S10 | S11 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling desert valley. Soil, sandy loam and gravel. Undergrowth, scattered sagebrush and shadscale. Timber, none.
	N. 89° 56' E., bet. secs. 2 and 11. Over rolling land; desc. 160 ft. over gradual NE. slope.
40.00	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. T19S R16W ¼ S 2 S11 1959

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Desc. 90 ft. over gradual NE. slope.

56.00 Wash, 50 lks. wide, 2 ft. deep, drains NE.

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

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

T19S R16W
S2 | S1
S11 | S12
1959

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

Land, rolling,
Soil, sandy loam and gravel.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

N. 0° 04' W., bet. secs. 1 and 2.

Over rolling land; desc. 50 ft. over gradual NE. slope.

19.00 Wash, 50 lks. wide, 2 ft. deep, drains E.

40.00 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.

T19S R16W
¼
S2 | S1
1959

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

41.50 Wash, 50 lks. wide, 1 ft. deep, drains E.

55.60 Graded road, bears E. and W.

63.90 Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 40 ft. over S. slope.

72.10 Small spur, slopes E.; desc. 60 ft. over N. slope.

80.12 The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

Land, rolling.
Soil, sandy loam and gravel.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 15, 16, 21 and 22.

S. 89° 59' W., bet. secs. 16 and 21.

Over broken land; asc. 340 ft. over broken E. slope.

Chains	
21.50	Spur, slopes S.; desc. 210 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T19S R16W ¼ S16 S21 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
43.80	Small wash, drains N.; asc. 120 ft. over E. slope.
67.10	Ridge, bears NW. and SE.; desc. 150 ft. over SW. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W S17 | S16 S20 | S21 1959
	Land, broken. Soil, clay loam and exposed limestone. Timber, scattered scrub juniper. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over broken land; asc. 30 ft. over SW. slope.
4.80	Small spur, slopes NW.; desc. 80 ft. over N. slope.
13.90	Unimproved road, bears NE. and SW.
27.20	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 130 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R16W ¼ S17 | S16 1959
	Asc. 30 ft. over S. slope.
45.60	Ridge, bears E. and W.; desc. 170 ft. over W. slope.
56.20	Wash, 10 lks. wide, 2 ft. deep, drains NE.; asc. 260 ft. over SE. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R16W
S8 | S9
S17 | S16
1959

Land, broken.
Soil, clay loam, exposed limestone.
Timber, scattered scrub juniper.
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 58' W., bet. secs. 9 and 16.

Over broken land; asc. 200 ft. over SE. slope.

18.10 Ridge, bears N. and S.; desc. 310 ft. over W. slope.

39.97 Point for the ¼ sec. cor. of secs. 9 and 16.

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

T19S R16W
¼ S 9
S16
1959

Desc. 40 ft. over W. slope.

47.00 Wash, 20 lks. wide, 3 ft. deep, drains N.; asc. 30 ft. over E. slope.

47.70 Unimproved road, bears N. and S.; asc. 490 ft. over SE. slope.

79.95 The cor. of secs. 8, 9, 16 and 17.

Land, broken.
Soil, clay loam and exposed limestone.
Timber, scattered scrub juniper,
Undergrowth, scattered sagebrush and shadscale.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 16 W.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling mountainous land, through scattered timber; asc. 10 ft. over SW. slope.

1.20 Ridge, bears N. 80° W.; desc. 30 ft. over NW. slope.

4.30 Ravine, drains W.; asc. 20 ft. over SW. slope.

7.80 Spur, projects W.; desc. 70 ft. over NW. slope.

15.70 Spur, projects NW.; desc. 70 ft. over N. slope.

25.90 Wash, 10 lks. wide, 2 ft. deep, drains NW.; asc. 10 ft. over SW. slope.

31.00 Spur, projects N. 80° W.; desc. 60 ft. over NW. slope.

Survey of a Portion of the Subdivision of T. 19 S., R.16 W.

Chains	
39.00	Base of descent, bears NE. and SW.
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.
	T19S R16W ¼ S32 | S33 1959
	No available accessories.
45.30	Wash, 20 lks. wide, 1 ft. deep, drains NW.; desc. 20 ft. over rolling NW. slope.
60.80	Trail road, bears NW. and SE.
62.40	Wash, 10 lks. wide, 2 ft. deep, drains NW.; desc. 40 ft. over rolling NW. slope.
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.
	T19S R16W S29 | S28 S32 | S33 1959
	No available accessories.
	Land, broken and rolling. Soil, clay and sandy. Timber, scattered juniper.

	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., an iron post, 30 ins. long, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 20 S., R. 16 W.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over gently rolling land, through scattered timber, along gradual W. slope.
20.00	Slope changes to NW.; desc. 10 ft. over gently rolling NW. slope.
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.
	T19S R16W ¼ S31 | S32 1959
	No available accessories.
	Desc. 20 ft. over NW. slope.
56.70	Graded road, bears E. and W.; desc. 20 ft. over NW. slope.
65.60	Main wash, 50 lks. wide, 4 ft. deep, drains N. 70° W.; asc. 30 ft. over SW. slope.
73.00	Low ridge, bears W.
78.80	Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.

Survey of a Portion of the Subdivision of T. 19 S. R. 16 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R16W S30 | S29 S31 | S32 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, gently rolling. Soil, sandy loam and clay. Timber, scattered juniper.
	From the cor. of secs. 28, 29, 32 and 33. West, bet. secs. 29 and 32. Over rolling land, through scattered timber; desc. 40 ft. over NW. slope.
17.50	Trail road, bears N. and S.; desc. 20 ft. over NW. slope.
27.00	Wash, 30 lks. wide, 3 ft. deep, drains N. 20° W.; asc. 30 ft. over E. slope.
34.10	Top of ascent on N. slope; desc. 40 ft. over NW. slope.
39.98	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T19S R16W ¼ S29 S32 1959 Desc. 30 ft. over NW. slope.
43.70	Graded road, bears N. 60° E. and S. 60° W.; desc. 10 ft. over NW. slope.
45.30	Wash, 50 lks. wide, 4 ft. deep, drains S. 60° W.; asc. 40 ft. over SE. slope.
56.00	Rocky point, projects S. 30° W.; desc. 70 ft. over SW. slope.
61.00	Trail road, bears N. and S.; desc. 10 ft. over SW. slope.
66.70	Wash, 10 lks. wide, 2 ft. deep, drains SW.; desc. 20 ft. over SW. slope.
76.90	Wash, 20 lks. wide, 1 ft. deep, drains S. 70° W.
79.96	The cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, sandy, clay and rocky. Timber, scattered juniper.

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Township 19 South, Range 16 West

Chains	General Description
	The terrain within the township is comprised of the western slopes of the Confusion Mountain Range. Elevations vary from 5,200 feet above sea level in the canyons to 7,500 feet above sea level on the higher mountains. The soil is made up of sand, clay, gravel and considerable exposed limestone surfaces. There are growths of scrub juniper and pinion scattered throughout the township of little commercial value. Access into the area is provided by U. S. Highway Nos. 50 and 6 and desert roads. Principal use of the township is for winter grazing for sheep. There is no source of water located within the township. There are no habitations in the township. No mineral formations of consequence were noted during the survey.

Chair-

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Ferrel D. Reynolds	Notekeeper
Dennis D. Bland	Chainman
Danny Fredrickson	Flagman
R. Gordon Shurtz	Cornerman
James R. Munson	Transmitman
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954 I have ~~surveyed~~ supervised the survey of the east boundary and a portion of the north boundary and subdivision, and the independent resurvey of a Portion of the north boundary of T. 19 S., R. 16 W.

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~~ under my supervision; 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
January 26, 1960

Vern E. Lane
Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, *19*

The foregoing field notes of the survey of the survey of the east boundary, a portion of the north boundary and subdivision and the independent resurvey of a portion of the north boundary of T. 19 S., R. 16 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor and Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane (Chief of Party)
having been critically examined and found correct, are hereby approved.

Clark F. Gunn
Acting *Cadastral Engineering Staff Officer.*

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the foregoing ~~transcript~~ of the field notes of the above-described surveys in T. 19 S., R. 16 W., SLM, Utah, is a true copy of the original field notes.

~~*Cadastral Engineering Staff Officer.*~~

U. S. GOVERNMENT PRINTING OFFICE

4—679
tember 1948)

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY OF

THE EAST AND NORTH BOUNDARIES

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 17 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor, (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

Eldon W. Sibley, Cartographic Survey Aid

der special instructions dated August 4, *19* 54, *which provided*

the surveys included under Group No. 407, *approved* September 7, 1954

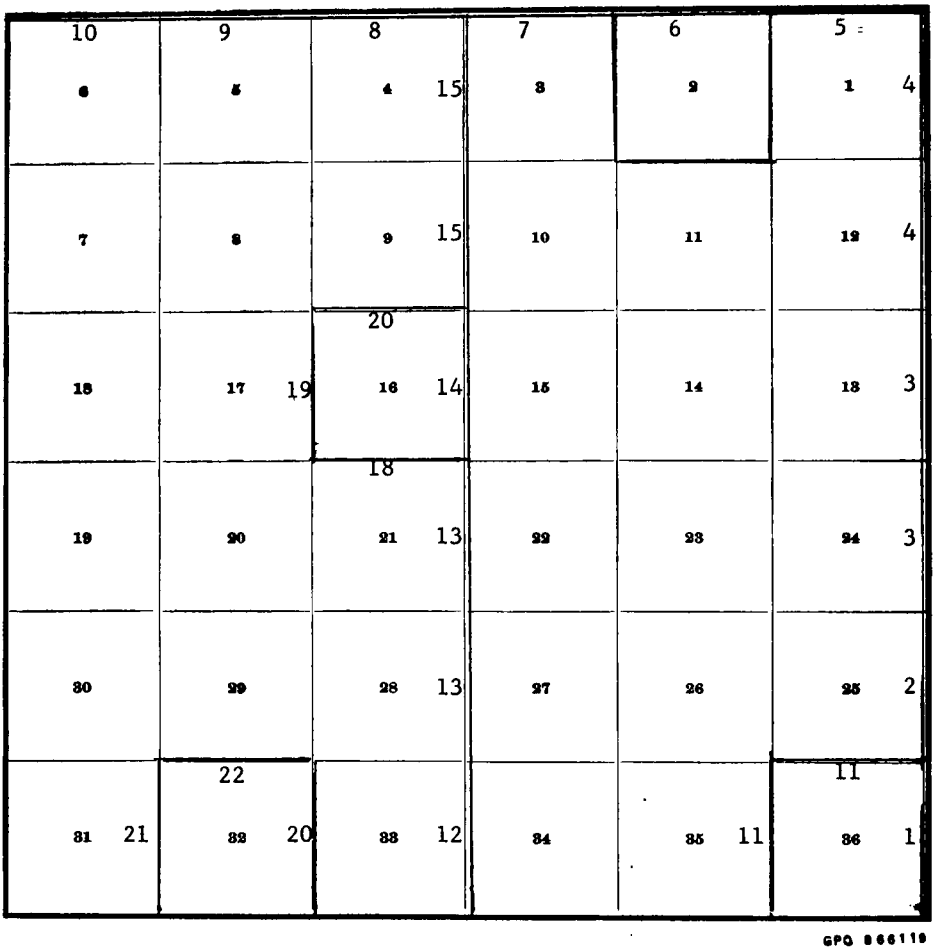
assignment instructions dated May 1, *19* 59

Survey commenced May 21, *19* 59

Survey completed July 10, *19* 59

INDEX DIAGRAM

Township 19 South, *Range* 17 West



GPO 866110

Lacel E. Bland

Eldon W. Sibley

Chains

The west boundary was resurveyed concurrently and is described in the field notes of T. 19 S., R. 18 W. The south boundary was surveyed concurrently and is described in the field notes of T. 20 S., R. 17 W.

The following field notes are those of the survey of the east boundary, north boundary and a portion of the subdivision of T. 19 S., R. 17 W. deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 491037 and 580515, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one-chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this surv[illegible] were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 06' 19.8" N. and longitude 113° 41' 46.6" W., as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary of T. 19 S., R. 17 W.

Beginning at the cor. of Tps. 19 and 20 S., Rs. 16 and 17 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the concurrent survey of T. 20 S., R. 17 W.

North, bet. secs. 31 and 36.

Survey of the East Boundary of T. 19 S., R. 17 W.

Chains	
	Over nearly level land; asc. 20 ft. over slight 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., 20 ins. in the ground, with brass cap mkd.
	T19S R17W R16W ¼ S36 | S31 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
47.80	Graded road, bears E. and W.
59.80	Wash, 150 lks. wide, 3 ft. deep, drains W.
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.
	T19S R17W R16W S25 | S30 S36 | S31 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 25 and 30.
	Over nearly level land; asc. gentle S. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T19S R17W R16W ¼ S25 | S30 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W R16W S24 | S19 S25 | S30 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level.

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Chains	
	Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 19 and 24.
	Over nearly level land; asc. slight S. slope.
9.70	Wash, 30 lks. wide, 2 ft. deep, drains SW.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R17W R16W ¼ S24 | S19 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
43.70	Wash, 20 lks. wide, 2 ft. deep, drains SW.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R17W R16W S13 | S18 S24 | S19 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 13 and 18.
	Over nearly level land; asc. slight 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., 22 ins. in the ground, with brass cap mkd. T19S R17W R16W ¼ S13 | S18 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey of the East Boundary of T. 19 S., R. 17 W.

Chains	
	T19S R17W R16W S12 | S 7 S13 | S18 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 7 and 12.
	Over nearly level land; asc. slight SW. slope.
26.00	Base of steep S. slope; asc. 370 ft.
33.80	Top of ridge, bears E. and W.; desc. 130 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R17W R16W ¼ S12 | S 7 1959
	Desc. 90 ft. over N. slope.
45.30	Base of N. slope; desc. 60 ft. over rolling N. slope.
76.70	Graded road, bears N. 80° W. and S. 80° E.
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.
	T19S R17W R16W S1 | S6 S12 | S 7 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, rolling and broken. Soil, sand, clay and exposed limestone. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 1 and 6.
	Over rolling land; desc. 30 ft. over rolling N. slope.
8.00	Base of broken SW. slope; asc. 310 ft. along SW. slope.

Survey of the East Boundary of T. 19 S., R. 17 W.

Chains	
32.30	Top of ascent, bears N. 10° E. and S. 10° W.; desc. 90 ft. along W. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R17W R16W ¼ S1 | S6 1959
	Desc. 130 ft. along W. slope.
45.50	Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. 80 ft. over S. slope.
50.60	Spur, slopes W.; desc. 90 ft. over NW. slope.
61.60	Wash, 20 lks. wide, 3 ft. deep, drains W.; asc. 40 ft. over rolling S. slope.
68.10	Graded road, bears NE. and SW.
76.90	Wash, 30 lks. wide, 2 ft. deep, drains S. 10° W.
80.00	Point for the cor. of Tps. 18 and 19 S., Rs. 16 and 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R17W R16W S36 | S31 S1 | S6 T19S 1959
	Raise a mound of stone, 3½ ft. base, 3 ft. high, S. of cor.
	Land, rolling and broken. Soil, sand, clay and exposed limestone. Timber, scattered juniper and pinion. Undergrowth, scattered sagebrush and shadscale.

Survey of the North Boundary of T. 19 S., R. 17 W.

	From the cor. of Tps. 18 and 19 S., Rs. 16 and 17 W., heretofore described.
	S. 89° 58' W., bet. secs. 1 and 36.
	Over rolling mountainous land, through scattered timber; desc. 10 ft. over SW. slope.
.70	Wash, 30 lks. wide, 4 ft. deep, drains S. 20° E.; asc. 60 ft. over SE. slope.
7.60	Spur, slopes S.; desc. 20 ft. over SW. slope.
10.10	Ravine, drains S. 20° E.; asc. 130 ft. over SE. slope.
24.40	Spur, slopes SW.; desc. 25 ft. over W. slope.
26.30	Ravine, drains S. 30° E.; asc. 120 ft. over SE. slope.
38.80	Spur, projects S. 30° E.; asc. 10 ft. over SE. slope.

Survey of the North Boundary of T. 19 S., R. 17 W.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T18S R17W ¼ S36 S 1 T19S 1959
	Asc. 20 ft. over SE. slope.
45.30	Ravine, drains S.; asc. 80 ft. over SE. slope.
53.00	Spur, projects S.; desc. 20 ft. along S. slope.
60.80	Ravine, drains S.
66.00	Spur, bears S.; desc. 10 ft. over SW. slope.
69.80	Spur, bears S. 30° W.; desc. 30 ft. over SW. slope.
71.70	Ravine, drains S. 30° W.; asc. 10 ft. over SE. slope.
74.00	Spur, bears S. 30° W.; desc. 30 ft. over W. slope.
75.40	Ravine, drains S. 30° W.; asc. 40 ft. over E. slope.
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 bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T18S R17W S35 | S36 S2 | S1 T19S 1959
	Land, rolling and broken. Soil, rocky, clay and sandy. Timber, scattered juniper and pinion.

	S. 89° 58' W., bet. secs. 2 and 35.
	Over broken land, through scattered timber,
1.00	Spur, bears S. 2.00 chs. to end; desc. 80 ft. over W. slope.
5.90	Ravine, drains S. 30° E.; asc. 20 ft. over SE. slope.
10.70	Spur, bears S. 20° E.; desc. 10 ft. over SW. slope.
11.90	Ravine, drains S. 30° W.; asc. 90 ft. over SE. slope.
21.00	Spur, bears S. 20° W.; desc. 120 ft. over steep SW. slope.
24.50	Ravine, drains S. 30° W.; asc. 20 ft. over SE. slope.
29.70	Spur, bears S. 30° W.; desc. 200 ft. over W. slope.
39.90	Small ravine, drains S. 20° W.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.

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Survey of the North Boundary of T. 19 S., R. 17 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd. T18S R17W ¼ S35 S 2 T18S 1959
	Asc. 40 ft. over SE. slope.
46.50	Ridge, bears S. 20° W.; desc. 60 ft. over W. slope.
49.40	Ravine, drains S. 30° W.; asc. 10 lks. over SE. slope.
53.20	Spur, bears S. 30° W.
53.50	Trail road, bears NW. and SE.; desc. 80 ft. over SW. slope.
66.00	Trail road, bears N. and S.
67.00	Wash, 30 lks. wide, 3 ft. deep, drains S.; asc. 60 ft. over SE. slope.
74.70	Rocky ridge, bears S. 20° W.; desc. 30 ft. over W. slope.
77.60	Ravine, drains SW.; thence along S. slope.
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. T18S R17W S34 | S35 S3 | S2 T19S 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Land, rolling mountains. Soil, rocky clay and sandy. Timber, scattered juniper and pinon.
	S. 89° 58' W., bet. secs. 3 and 34. Over broken land, through scattered timber; asc. 150 ft. over SE. slope.
1.10	Top of ascent on steep S. slope; desc. 240 ft. over SW. slope.
2.20	Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 110 ft. over E. slope.
7.20	Narrow rocky ridge, bears S. 10° W.; desc. 110 ft. over steep W. slope.
0.00	True point for the ¼ sec. cor. of secs. 3 and 34 falls on steep rocky W. slope where cor. cannot be perpetuated.
0.40	Point selected for the witness ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Survey of the North Boundary of T. 19 S. R. 17 W.

Chains	
	T18S R17W ¼ S34 W S 3 C T19S 1959
	Desc. 150 ft. over steep W. slope.
48.00	Base of steep descent, bears N. and S.; desc. 70 ft. over rolling SW. slope.
63.50	Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 20 ft. over E. slope.
68.00	Low ridge, bears S. 10° W.; desc. 50 ft. over W. slope.
72.90	Small wash, drains S. 10° W.
73.40	Graded road, bears N. 10° E. and S. 10° W.; asc. 90 ft. over E. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T18S R17W S33 S34 S4 S3 T19S 1959
	Land, broken and rolling. Soil, rocky clay and sandy loam. Timber, scattered juniper and pinion.
	S. 89° 58' W., bet. secs. 4 and 33.
	Over rolling mountainous land, through scattered timber; asc. 20 ft. over E. slope.
1.30	Ridge, bears N. and S.; asc. 70 ft. over E. slope.
13.00	Spur, bears S. 20° W.; desc. 110 ft. over NW. slope.
23.60	Base of descent on N. slope; asc. 160 ft. over NE. slope.
39.60	Ridge, slopes sharply N.
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 bedrock, in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T18S R17W S33 S 4 T19S 1959
	Desc. 60 ft. over NW. slope.
42.90	Ravine, drains N. 10° E.; asc. 70 ft. over NE. slope.
46.20	Top of ascent on N. slope; desc. 160 ft. over NW. slope.
59.00	Spur, bears N. 30° W.; desc. 50 ft. over SW. slope.

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Survey of the North Boundary of T. 19 S., R. 17 W.

Chains	
64.50	Small wash, drains N. 30° W.; desc. 30 ft. over NW. slope.
72.00	Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 80 ft. over E. slope.
79.20	Top of ascent on N. slope; begin descent over rolling NW. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T18S R17W S32 | S33 S5 | S4 T19S 1959
	Land, rolling and broken. Soil, rocky, clay and sandy. Timber, scattered juniper.
	S. 89° 58' W., bet. secs. 5 and 32.
	Over rolling mountainous land, through scattered timber; desc. 100 ft. over NW. slope.
20.30	Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 70 ft. over rolling SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R17W ¼ S32 S 5 T19S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Asc. 60 ft. over rolling SE. slope.
51.50	Small wash, drains SE.; asc. 160 ft. over SE. slope.
55.40	Spur, bears S. 10° E.; desc. 30 ft. over SW. slope.
71.10	Wash, 30 lks. wide, 3 ft. deep, drains S. 10° W.; asc. 80 ft. over SE. slope.
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.
	T18S R17W S31 | S32 S6 | S5 T19S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling and broken. Soil, rocky clay and sandy.

Survey of the North Boundary of T. 19 S. R. 17 W

Chains	
	S. 89° 58' W., bet. secs. 6 and 31.
	Over rolling mountainous land, through scattered timber; asc. 30 ft. over SE. slope.
9.60	Head of ravine, drains SE.; asc. 240 ft. over steep SE. slope.
19.30	High ridge, bears S. 20° W. and N. 20° E.; desc. 250 ft. over steep and broken W. slope.
28.40	Spur, bears NW.; desc. 140 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a mound of stone to top, 2½ ft. base, with brass cap mkd.
	T18S R17W ¼ S31 S 6 T19S 1959
	Desc. 40 ft. over SW. slope.
41.40	Ravine, drains S. 30° W.; asc. 30 ft. over SE. slope.
45.80	Top of ascent on S. slope; desc. 290 ft. over steep and broken SW. slope.
62.80	Wash, 20 lks. wide, 4 ft. deep, drains NW.; asc. 40 ft. over NE. slope.
68.00	Top of ascent on N. end of spur; desc. 150 ft. over W. slope.
79.50	Trail road, bears NE. and SW.
80.00	Point for the 1/16 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.
	T18S R17W 1/16 S31 80 S 6 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
	Desc. 50 ft. over W. slope.
85.70	Enter wash, 30 lks. wide, 2 ft. deep, drains W.
91.00	Leave wash, drains N. 60° W.; desc. 30 ft. over rolling NW. slope.
96.28	The cor. of Tps. 18 and 19 S., R. 17 W., described in the field notes of the resurvey of T. 18 S., R. 18 W.
	Land, rolling and broken. Soil, rocky clay and sandy. Timber, scattered juniper.

Survey of a Portion of the Subdivision of T. 19 S., R. 17 W.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.

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Survey of a Portion of the Subdivision of T. 19 S., R. 17 W.

Chains	
	N. 0° 01' W., bet. secs. 35 and 36.
	Over broken mountainous land; asc. 50 ft. over S. slope.
2.10	Spur, bears S. 30° E.; asc. 40 ft. over S. slope.
7.40	Spur, bears E.; desc. 190 ft. over steep NE. slope.
13.80	Ravine, drains E.; asc. 40 ft. over SE. slope.
18.30	Spur, bears E.; desc. 190 ft. over N. 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.
	T19S R17W ¼ S35 | S36 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Desc. 30 ft. over N. slope.
49.00	Wash, 30 lks. wide, 2 ft. deep, drains W.; asc. 20 ft. over S. slope.
56.10	Top of rocky knob.
56.20	Graded road, bears S. 80° E. and S. 70° W.; desc. 60 ft. over N. slope.
66.30	Wash, 70 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 30 ft. over S. slope.
68.30	N. bank of wash; thence along rolling W. slope.
76.00	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° W.
79.60	Small wash, drains SW.
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.
	T19S R17W S26 | S25 S35 | S36 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken and rolling. Soil, rocky, gravelly, clay and sandy. Timber, none.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.
	West, bet. secs. 25 and 36.
	Over rolling land, draining SW.; desc. 10 ft. over SW. slope.
6.10	Wash, 30 lks. wide, 3 ft. deep, drains S. 30° W., 5.00 chs., thence S. 70° W.; desc. 10 ft. over SW. slope.
3.90	Small wash, drains SW.; desc. 20 ft. over SW. slope.

Chains	
23.10	Small wash, drains SW.; desc. 10 ft. over SW. slope.
31.10	Small wash, drains SW.
39.995	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W ¼ S25 S36 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
42.10	Small wash, drains SW.; desc. 10 ft. over SW. slope.
48.30	Small wash, drains SW.; desc. 10 ft. over SW. slope.
57.20	Wash, 10 lks. wide, 2 ft. deep, drains S. 60° W.; desc. 20 ft. over SW. slope.
75.60	Wash, 30 lks. wide, 2 ft. deep, drains S. 60° W.
79.30	Small wash, drains SW.
79.99	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling. Soil, gravelly clay and sandy. Timber, none.

	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.
	Over gently rolling land draining SW.
5.20	Small wash, drains S. 30° W.; asc. 40 ft. over gently rolling 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., 24 ins. in the ground, with brass cap mkd.
	T19S R17W ¼ S33 | S34 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Asc. 50 ft. over gently rolling SW. slope.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R17W S28 | S27 S33 | S34 1959
	Land, gently rolling. Soil, gravelly clay and sandy. Timber, none.

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Chains	
	N. 0°. 02' W., bet. secs. 27 and 28.
	Over gently rolling land, draining SW.; asc. 20 ft. over SW. slope.
23.70	Trail road, bears S. 60° E. and N. 60° W.
30.70	Wash, 10 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 10 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W ¼ S28 | S27 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Asc. 20 ft. over gently rolling SW. slope.
68.50	Graded road, bears NW. and SE.
71.90	Small wash, drains SW.; asc. 10 ft. over SW. slope.
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.
	T19S R17W S21 | S22 S28 | S27 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Land, gently rolling. Soil, gravelly clay and sandy. Timber, none.

	N. 0° 02' W., bet. secs. 21 and 22.
	Over gently rolling land draining SW.
8.10	Small wash, drains S. 80° W.; asc. 20 ft. over gently rolling SW. slope.
20.30	Small wash, drains S. 70° W.; asc. 20 ft. over gently rolling SW. slope.
34.30	Small wash, drains S. 30° W.; asc. 10 ft. over SW. slope.
39.80	Small wash, drains S. 20° W.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W ¼ S21 | S22 1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Asc. 20 ft. over SW. slope.

45.40 Main wash, 40 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 20 ft. over SW. slope.

63.70 Small wash, drains S. 70° W.

70.00 Small wash, drains S. 60° W.; asc. 10 ft. over SW. slope.

79.30 Small wash, drains S. 60° W.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

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

T19S R17W
S16 | S15
S21 | S22
1959

Land, gently rolling.
Soil, gravelly clay and sandy.
Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over gently rolling land, draining SW.; asc. 10 ft. over SW. slope.

6.40 Graded road, bears S. 70° W. and N. 70° E.

14.20 Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 30 ft. over gently rolling S. slope.

40.00 Point for the ¼ sec. cor. of secs. 15 and 16.

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

T19S R17W
¼
S16 | S15
1959

Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Asc. 20 ft. over gently rolling S. slope.

63.40 Wash, 40 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 30 ft. over gently rolling S. slope.

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.

T19S R17W
S 9 | S10
S16 | S15
1959

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

Land, gently rolling.
Soil, gravelly caly and sandy.
Timber, none.

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Survey of a Portion of the Subdivision, T. 19 S., R. 17 W.

Chains	
	N. 0° 02' W., bet. secs. 9 and 10.
	Over rolling land, draining SE.; asc. 70 ft.
28.00	Enter scattered timber, bears E. and W.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T19S R17W ¼ S 9 | S10 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Asc. 10 ft. over SE. slope.
48.30	Small wash, drains SE.; asc. 80 ft. over rolling SE. slope.
80.00	Low spur, bears S. 10° W., 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 bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R17W S4 | S3 S 9 | S10 1959
	Land, rolling. Soil, gravelly, clay and sandy. Timber, scattered juniper.
	N. 0° 18' W., bet. secs. 3 and 4.
	Over rolling land, draining SE., through scattered timber.
7.80	Small wash, drains SE.; asc. 20 ft. over S. slope.
21.80	Spur, bears SE.; desc. 10 ft. over NE. slope.
28.00	Wash, 20 lks. wide, 1 ft. deep, drains E.; asc. 20 ft. over rolling SE. slope.
40.00	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 bedrock, in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R17W ¼ S4 | S3 1959
	Asc. 130 ft. over rolling SE. slope.
79.79	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp., hereinbefore described.
	Land, rolling. Soil, rocky clay and sandy. Timber, scattered juniper.

Survey of a Portion of the Subdivision, T. 19 S., R. 17 W.

Chains	
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., hereinbefore described.
	S. 0° 01' E., bet. secs. 1 and 2.
	Over broken mountainous land, through scattered timber.
.60	Spur, bears SE.; desc. 180 ft. over steep SW. slope.
11.00	Slope changes to S.; desc. 140 ft.
26.90	Ravine, drains SE.; desc. 60 ft. over SE. slope.
38.50	Small spur, bears SE.; desc. 15 ft. over SW. slope.
39.93	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.
	T19S R17W ¼ S2 | S1 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Desc. 50 ft. over SW. slope.
45.60	Wash, 20 lks. wide, 3 ft. deep, drains S. 60° W.; asc. 10 ft. over NW. slope.
48.70	Spur, bears W. 2.00 chs. to end; desc. 40 ft. over SW. slope.
52.20	Wash, 10 lks. wide, 1 ft. deep, drains W.; asc. 50 ft. over NW. slope.
59.80	Ridge, bears SW. and NE.; desc. 200 ft. over steep SE. slope.
77.20	Slope changes to S.; desc. 30 ft.
79.60	Small wash, drains S. 10° E.
79.93	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.
	T19S R17W S2 | S1 S11 | S12 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling and broken. Soil, rocky clay and sandy. Timber, scattered juniper and pinon.

	From the cor. of secs. 1, 2, 11 and 12.
	N. 89° 59' W., bet. secs. 2 and 11, on a theoretical parallel connec the cor. of secs., 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions.
	Over rolling land, through scattered timber; asc. 100 ft. over E. slope.

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Survey of a Portion of the Subdivision of T. 19 S., R. 17 W.

Chains	
8.50	Spur, bears S. 10° W.; desc. 50 ft. over W. slope.
12.20	Small wash, drains S. 20° W.; thence along rolling S. slope.
18.70	Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 70 ft. over E. slope.
24.50	Ridge, bears N. 20° E. and S. 20° W.; desc. 90 ft. over NW. slope.
31.10	Wash, 20 lks. wide, 2 ft. deep, drains SW.
32.70	Graded road, bears NE. and S.; asc. 10 ft. over SE. slope.
35.90	Low spur, bears S.; desc. 20 ft. over SW. slope.
37.70	Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 30 ft. over SE. slope.
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 bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R17W ¼ S 2 S11 1959
	Asc. 20 ft. over SE. slope.
46.90	Head of ravine, drains SW.
52.70	Spur, bears S. 30° W.; desc. 50 ft. over SW. slope.
66.00	Wash, 20 lks. wide, 2 ft. deep, drains S.; thence along gently rolling S. slope.
71.70	Trail road, bears N. and S.
77.30	Low ridge, bears N. and S.; desc. 10 ft. over W. slope.
79.00	Small wash, drains S.; asc. 10 ft. over E. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W S3 | S2 S10 | S11 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, rolling. Soil, rocky, gravelly, clay and sandy. Timber scattered juniper and pinon.

From the cor. of secs. 2, 3, 10 and 11.

N. 0° 03' W., bet. secs. 2 and 3.

Over rolling land, through scattered timber; asc. 150 ft. over rolling E. slope of ridge.

30.10 Small ravine, drains E.; asc. 60 ft. over rolling SE. slope.

40.00 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 bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R17W
¼
S3 | S2
1959

Asc. 130 ft. over rolling SE. slope.

59.20 Narrow rocky ridge, bears S. 10° W.; desc. 100 ft. along steep W. slope.

77.30 Small wash, drains SW.; asc. 40 ft. over S. slope.

79.95 The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.

Land, rolling.
Soil, rocky clay and sandy.
Timber, scattered juniper and pinon.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over gently rolling land, draining SW.; asc. 10 ft. over SE. slope.

3.50 Low spur, bears S. 30° W.; desc. 20 ft. over W. slope.

9.90 Graded road, bears N. 60° E. and SW.; desc. 10 ft. over W. slope.

11.50 Small wash, drains SW. 1.00 ch. to main wash.

13.00 Main wash, 50 lks. wide, 2 ft. deep, drains S.; asc. 20 ft. over rolling SE. slope.

23.90 Trail road, bears SE. and NW.; asc. 20 ft. over SE. slope.

39.70 Point selected for the witness 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.

T19S R17W
¼ W S16
C S21
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

40.00 True point for the ¼ sec. cor. of secs. 16 and 21 falls in wash, 20 lks. wide, 1 ft. deep, draining SE. where cor. cannot be perpetuated.

Asc. 20 ft. over SE. slope.

54.30 Wash, 30 lks. wide, 1 ft. deep, drains SE.

57.00 Trail road, bears NW. and SE.; asc. 10 ft. over SE. slope.

Survey of a Portion of the Subdivision, T. 19 S., R. 17 W.

Chains	
60.50	Thence along gently rolling S. slope.
68.00	Wash, 20 lks. wide, 1 ft. deep, drains S. 20° E.
79.40	Wash, at foot of ridge, 30 lks. wide, 1 ft. deep, drains S. 20° E.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R17W S17 | S16 S20 | S21 1959
	Land, gently rolling. Soil, gravelly, sandy and clay. Timber, none.
	From the cor. of secs. 16, 17, 20 and 21.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling land.
2.80	Wash, 30 lks. wide, 1 ft. deep, drains S. 10° E.; asc. 140 ft. over SE. slope, along E. side of spur.
30.20	Top of ascent on E. slope; desc. 20 ft. over NE. slope.
39.80	Small wash, drains SE.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R17W ¼ S17 | S16 1959
	Asc. 70 ft. over SE. slope.
53.20	Top of ascent on E. slope; desc. 20 ft. over NE. slope.
61.70	Base of descent on E. slope; asc. 60 ft. over SE. slope.
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.
	T19S R17W S8 | S9 S17 | S16 1959
	Raise a mound of stone, 3½ ft. base, 2½ ft. high, W. of cor.
	Land, rolling. Soil, rocky clay and sandy. Timber, none.

Survey of a Portion of the Subdivision, T. 19 S., R. 17 W.

Chains	
	From the cor. of secs. 9, 10, 15 and 16.
	N. 89° 58' W., bet. secs. 9 and 16.
	Over rolling land draining SE.; desc. 20 ft. over W. slope.
3.60	Wash, 20 lks. wide, 2 ft. deep, drains S. 30° E.
10.30	Small wash, drains S.; asc. 20 ft. over rolling E. slope.
18.20	Low ridge, bears S.;desc. 30 ft. over rolling land, draining S.
30.60	Small wash, drains S. 20° E.; asc. 15 ft. over SE. slope.
40.03	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.
	T19S R17W ¼ S 9 S16 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Asc. 20 ft. over SE. slope.
48.60	Small wash, drains SE.; asc. 100 ft. over NE. slope.
56.60	Ridge, bears N. and S.; enter scattered timber, bears same; desc. 30 ft. over W. slope.
59.80	Wash, 10 lks. wide, 2 ft. deep, drains S.; asc. 100 ft. over E. slope.
70.20	Ridge, bears N. and S.; desc. 100 ft. over W. slope.
78.00	Wash, 30 lks. wide, 2 ft. deep, drains S.; asc. 20 ft. over SE. slope.
80.06	The cor. of secs. 8, 9, 16 and 17.
	Land, rolling. Soil, rock, sandy and clay. Timber, scattere juniper.

	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 gently rolling land; asc. 30 ft. over SE. slope.
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.
	T19S R17W ¼ S32 | S33 1959
	No available accessories.
	Desc. 30 ft. over gradual NE. slope.

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Chains	
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. T19S R17W S29 | S28 S32 | S33 1959 No available accessories. Land, gently rolling. Soil, gravelly and sandy. Timber, none.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp. N. 0° 03' W., bet. secs. 31 and 32. Over gently rolling land; asc. 40 ft. over SE. slope.
31.70	Wash, 10 lks. wide, 2 ft. deep, drains E.; thence along gradual E. slope.
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. T19S R17W ¼ S31 | S32 1959 No available accessories. Thence along gradual E. slope.
45.00	Wash, 20 lks. wide, 1 ft. deep, drains S. 70° E.
52.10	Wash, 20 lks. wide, 1 ft. deep, drains SE.
75.50	Wash, 10 lks. wide, 1 ft. deep, drains SE.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R17W S30 | S29 S31 | S32 1959 No available accessories. Land, gently rolling. Soil, gravelly, sandy and clay. Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Over gently rolling land; asc. 20 ft. over E. slope.

27.50 East bank of wash, bears N. and S.; desc. 20 ft. over W. slope.

35.50 Main wash, 1.00 ch. wide, 2 ft. deep, drains S. 20° E.; asc. 10 ft. over E. slope.

40.00 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.

T19S R17W
¼ S29/S32
1959

No available accessories.

Asc. 70 ft. over gently rolling E. slope.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, gently rolling.
Soil, gravelly, sandy and clay.
Timber, none.

General Description

The land within this township is rolling and broken desert land. The elevation varies from 5,600 ft. above sea level on the desert to 7,000 ft. in the mountains. The area drains southerly.

The soil varies from sandy loam and gravel on the desert to clay, rock and sandy loam on the mountains.

The timber is composed entirely of juniper and pinon of little commercial value.

Principal users of the area are sheepmen and access into the township is provided by desert roads.

No mineral formations of consequence were noted during the survey.

-680
b., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dennis D. Bland	Notekeeper
R. Gordon Shurtz	Chainman
Danny Fredrickson	Flagman
Garry R. Hardy	Axeman
Eldon D. Lovell	Cornerman
James R. Munson	Transitman
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman
Edwin P. Lister	Axeman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in accordance with special instructions bearing date of the 4th day of August, 1954, I have ~~personally~~ supervised the survey of the east and north boundaries and a portion of the subdivision of T. 19 S., R. 17 W.

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~~ under my supervision; 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
January 28, 1960

Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAR 5 1960, *19*

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision of T. 19 S., R. 17 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor and Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Clark F. Gumm
Acting Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 19 S., R. 17 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND INDEPENDENT RESURVEY

OF THE SNAKE VALLEY GUIDE MERIDIAN ALONG THE EAST BOUNDARY

AND

DEPENDENT RESURVEY OF THE NORTH BOUNDARY OF TOWNSHIP 19 SOUTH, RANGE 18 WEST

D ESTABLISHMENT THEREON OF NEW CORNERS PERTAINING TO TOWNSHIP 18 SOUTH, RANGE 18 WEST

AND

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION

AND SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 19 SOUTH, RANGE 18 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

der special instructions dated August 4, *19* 54, *which provided*

the surveys included under Group No. 407, *approved* September 7, 1954

assignment instructions dated May 1, *19*59

Survey commenced May 28, *19* 59

Survey completed July 13, *19* 59

INDEX DIAGRAM

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GPO 866119

Township 19 South, Range 18 West

Chains

The east boundary (Snake Valley Guide Meridian), north, west and south boundaries were surveyed by A. J. Stewart Jr. in 1882 and 1883. Collier surveyed a portion of the subdivision and retraced the south boundary and the south one mile of the east boundary. The west boundary was resurveyed by Andrew Nelson in 1956. The south boundary was resurveyed concurrently and is described in the field notes of the resurvey of T. 20 S., R. 18 W.

The following field notes are of the dependent resurvey of the south half mile and the north two miles of the east boundary; independent resurvey of the remainder of the east boundary; new corners established referring to T. 19 S., R. 17 W. at regular intervals of 40 chs. northing from the Fourth Standard Parallel South; dependent resurvey of the north boundary with establishment of new corners for T. 18 S., R. 18 W. at regular intervals of 40 chains westing from the northeast corner of the township; dependent resurvey of a portion of the subdivision; and survey of a portion of the subdivision.

The survey was executed with a W. & L. E. Gurley solar transit serial No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment 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.

Before restoring corners, the lines of the original survey were retraced, and diligent search made for the evidence of the original corners, bearing trees, and other calls of the original field not record. When duly identified the corner positions were remonumented.

The rules of proportionate measurement were applied in order to ascertain the position of lost corners, after completing the necessary retracements to connect with the identified corner locations, but not until exhausting every reasonable possibility of finding direct evidence for the control of each particular corner.

Measurements herein were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation, being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 06' 17.7" N. and longitude 113° 48' 44.3" W. as adjusted from traverses to U. S. G. S. triangulation stations within

Township 19 South, [illegible]e 18 West

Chains

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Dependent Resurvey of the East Boundary, Snake Valley Guide Meridian, T. 19 S., R. 17 W.

Reestablishment of the survey executed by A. J. Stewart Jr., Deputy Surveyor in 1882, and retraced by R.E.L. Collier in 1895, with the establishment of new cors. for T. 19 S., R. 17 W.

Beginning at the cor. of Ts. 19 and 20 S., R. 18 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of T. 20 S., R. 18 W.

N. 0° 21' W., on the E. bdy. of sec. 36.

Over rolling land, through scattering timber; desc. 30 ft. over NE. slope.

2.95 Point for the cor. of Ts. 19 and 20 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S
R18W | R17W
S36 | S31
S 6
T20S
1959

3.40 Small wash, drains S. 70° E.; asc. 150 ft. over S. slope.

13.40 Spur, bears E.; desc. 80 ft. over NE. slope.

18.40 Ravine, drains E.; asc. 70 ft. over SE. slope.

22.90 Spur, bears E.; desc. 100 ft. over N. slope.

28.50 Ravine, drains N. 80° E.; asc. 30 ft. over SE. slope.

34.10 Ravine, drains S. 80° E.; asc. 80 ft. over SW. slope.

39.56 The ¼ sec. cor. of sec. 36, T. 19 S., R. 18 W., mkd. by a limestone, 12x10x6 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S
R18W | R17W
¼
S36 |
1959

Bury the original cor. alongside the iron post.

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81

Independent Resurvey of the East Boundary of T. 19 S., R. 18 W.
Superseding the Survey Executed by A. J. Stewart Jr. in 1882.

Chains	
	N. 0° 26' E., on the E. bdy. of sec. 36, beginning new measurement.
	Asc. 30 ft. over SW. slope.
3.39	Point for the ¼ sec. cor. of sec. 31, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R18W R17W ¼ S31 1959
3.44	Spur, bears S. 10° E.
8.14	Spur, bears E.; desc. 70 ft. over N. slope.
11.64	Ravine, drains E.; asc. 20 ft. over SE. slope.
14.24	Spur, bears E.; desc. 30 ft. over N. slope.
16.24	Ravine, drains E.; asc. 60 ft. over S. slope.
20.24	Spur, bears E.; desc. 70 ft. over N. slope.
24.94	Wash, 30 lks. wide, 1 ft. deep, drains N. 80° E.; asc. 20 ft. over S. slope.
34.64	Spur, bears E.; desc. 50 ft. over NE. slope.
40.44	Point for the cor. of secs. 25 and 36, T. 19 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W R17W S25 S36 S31 1959
	From this cor. the original cor., a limestone 20x14x12 ins. firmly set and plainly mkd., bears N. 10° 42' E., 80 lks. dist., originally set for the cor. of secs. 25, 30, 31 and 36. I destroyed it.
	Land, rolling low mountains. Soil, clay, rocky, and sandy loam. Timber, scattering juniper.
	N. 0° 26' E., on the E. bdy. of sec. 25.
	Over rolling land; desc. 20 ft. over N. slope.
2.70	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° E.
2.95	Point for the cor. of secs. 30 and 31, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Independent Resurvey, E. Bdy., T. 19 S., R. 18 W.

Chains

T19S
R18W R17W
S25 | S30 / S31
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

Asc. 30 ft. over SE. slope.

11.30 Ridge, bears S. 80° E.; desc. 80 ft. over NE. slope.

21.50 Wash, 20 lks. wide, 2 ft. deep, drains E.; desc. 20 ft. along rolling E. slope.

40.00 Point for the ¼ sec. cor. of secs. 25, T. 19 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S
R18W R17W
¼
S25 |
1959

From this cor., the cor. originally set for the ¼ sec. cor. of secs. 25 and 30, a limestone, 12x6x4 ins., firmly set and plainly mkd., bears N. 3° 52' W., 1.09 chs. dist. I destroyed it.

42.95 Point for the ¼ sec. cor. of sec. 30, T. 19 S., R. 17 W.

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

T19S
R18W R17W
| ¼
| S30
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, E. of cor.

63.20 Begin ascent over E. slope; asc. 60 ft.

76.80 Top of ascent on E. slope; desc. 20 ft. over NE. slope.

79.50 Small ravine, drains SE.

80.00 Point for the cor. of secs. 24 and 25, T. 19 S., R. 18 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S
R18W R17W
S24 / S25 | S30
1959

From this cor., the cor. originally set for the cor. of secs. 19, 24, 25 and 30, a limestone 14x12x7 ins. firmly set and plainly mkd., bears N. 13° 00' W., 1.38 chs. dist. I destroyed it.

Land, rolling.
Soil, clay, sandy loam, and rocky.
Timber, scattering juniper.

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Chains	
	N. 0° 26' E., on the E. bdy. of sec. 24.
	Over rolling land, through scattering timber; asc. 50 ft. over SE. slope.
2.95	Point for the cor. of secs. 19 and 30, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R18W R17W S24 | S19 S30 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	Asc. 40 ft. over SE. slope.
7.90	Top of ascent on E. slope; desc. 110 ft. over NE. slope.
17.60	Wash, 10 lks. wide, 2 ft. deep, drains SE.
18.00	Trail road, bears SE. and NW.; asc. 20 ft. over SE. slope.
21.40	Low ridge, slopes SE.; asc. 60 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of sec. 24, T. 19 S., R. 18 W.
	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.
	T19S R18W R17W ¼ S24 | 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	From this cor., the cor. originally set for the ¼ sec. cor. of secs. 19 and 24, a limestone, 12x8x6 ins. firmly set and plainly mkd., bears N. 19° 47' W., 1.63 chs. dist. I destroyed it.
42.95	Point for the ¼ sec. cor. of sec. 19, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R18W R17W | ¼ S19 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	Asc. 110 ft. over S. slope.
56.20	Ridge, bears SE.; thence along E. slope.
63.40	Spur, projects E.; desc. 70 ft. over NE. slope.
74.40	Base of descent on E. slope; thence along E. slope.
80.00	Point for the cor. of secs. 13 and 24, T. 19 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

Inde endent Resurve · E. Bd . T. 19 S. R. 18 W.

Chains	
	T19S R18W R19W S13 | S19 S24 | 1959
	There is no remaining evidence of the original cor.
	Land, rolling. Soil, sandy loam, clay and rocky. Timber, scattering juniper.
	N. 0° 26' E., on the E. bdy. of sec. 13.
	Over rolling land, through scattering juniper; asc. 10 ft. over SE. slope.
2.95	Point for the cor. of secs. 18 and 19. T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W R17W S13 | S18 S19 1959
3.00	Ridge, bears N. 80° E.; desc. 60 ft. over rolling NW. slope.
10.60	Wash, 10 lks. wide, 2 ft. deep, drains NW.
11.30	Trail road, bears SE. and NW.; asc. 30 ft. over SE. slope.
15.40	Spur, slopes W.; desc. 30 ft. over rolling W. slope.
40.50	Small spur, bears W.; thence along rolling W. slope over series of small spurs and washes.
42.95	Point for the ¼ sec. cor. of sec. 18, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W R17W ¼ S18 1959
43.13	Point for the ¼ sec. cor. of sec. 13, T. 19 S., R. 18 W., at record dist. from the cor. of secs. 12 and 13. No remaining evidence of the original cor. was found.
	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.
	T19S R18W R17W ¼ S13 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

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Independent Resurvey, E. Bdy., T. 19 S., R. 18 W.

Chains	
56.30	Small wash, drains W.; asc. 40 ft. over S. slope.
60.20	Top of ascent on W. slope; desc. 50 ft. over NW. slope.
65.20	Base of descent on W. slope; asc. 140 ft. over SW. slope.
78.50	Ridge, bears S. 40° E.; desc. 20 ft. along E. slope.
82.95	Point for the cor. of secs. 7 and 18, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W R17W S13 | S 7 / S18 1959
83.13	The cor. of secs. 12 and 13, T. 19 S., R. 18 W., originally set for the cor. of secs. 7, 12, 13 and 18, a limestone 14x10x6 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W R17W S12 / S13 | S 7 1959
	Bury the original cor. alongside the iron post.
	Land, rolling. Soil, sandy loam, clay, and rocky. Timber, scattering juniper.

Dependent Resurvey of the East Boundary of T. 19 S., R. 18 W.

	Reestablishment of the survey executed by A. J. Stewart Jr. in 1882.
	N. 1° 54' W., on the E. bdy. of the sec. 12.
	Over rolling land, through scattering timber; along E. slope.
18.10	Head of ravine, drains SE.; asc. 60 ft. over S. slope.
20.70	Spur, bears SW.; desc. 20 ft. over NW. slope.
22.70	Trail road, in small wash, drains W., bears W. and NE.; asc. 250 ft. over steep S. slope.
38.785	Point for the ¼ sec. cor. of sec. 12, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

t Resurve[illegible] E. [illegible] .. T. 19 S. R. 18 W.

Chains

T19S
R18W | R17W
¼
S12 |
1959

39.80 Ridge, bears S. 80° W.

39.84 Point for the ¼ sec. cor. of sec. 7, T. 19 S., R. 17 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S
R18W | R17W
¼
S 7 |
1959

Desc. 20 ft. over NW. slope.

45.70 Spur, slopes W.; desc. 70 ft. over NW. slope.

52.10 Ravine, drains S. 80° W.; asc. 30 ft. over S. slope.

55.60 Spur, projects S. 80° W.; desc. 20 ft. over NW. slope.

59.80 Spur, projects N. 80° W.; desc. 210 ft. over NW. slope.

77.57 Point for the cor. of secs. 1 and 12, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor.

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

T19S
R18W | R17W
S 1 | S 7
S12 |
1959

Land, rolling and broken.
Soil, clay, sandy loam, and rocky.
Timber, scattering juniper.

N. 1° 54' W., on the E. bdy. of sec. 1.

Over rolling land, through scattering timber; desc. 20 ft. over NW. slope.

2.29 Point for the cor. of secs. 6 and 7, T. 19 S., R. 17 W.

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.

T19S
R18W | R17W
S 1 | S 6
S 7
1959

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

Desc. 110 ft. over NW. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—85880-2

87

Dependent Resurvey, E. Bdy., T. 19 S., R. 18 W.

Chains	
13.00	Low spur, slopes N. 20° W.; desc. 80 ft. over N. slope.
22.50	Wash, 10 lks. wide, 2 ft. deep, drains NW.; desc. 50 ft. over N. slope.
26.40	Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 40 ft. over rolling NW. slope.
38.79	The ¼ sec. cor. of sec. 1, a limestone 10x14x6 ins. originally set for the ¼ sec. cor. of secs. 1 and 6, firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W R17W ¼ S 1 1959
	Bury the original cor. alongside the iron post.
	N. 5° 27' E., beginning new measurement.
	Desc. 20 ft. over rolling NW. slope.
3.535	Point for the ¼ sec. cor. of sec. 6, T. 19 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T19S R18W R17W ¼ S 6 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	Desc. 60 ft. over NW. slope.
13.90	Wash, 30 lks. wide, 1 ft. deep, drains N. 80° W.
15.80	Wash, 30 lks. wide, 1 ft. deep, drains N. 80° W.; asc. 10 ft. over SW. slope.
23.00	Low ridge, bears N. 70° W.; trail road, bears N. 70° W. and S. 70° E.
25.00	Begin descent over rolling NW. slope; desc. 80 ft.
36.00	Wash, 40 lks. wide, 2 ft. deep, drains NW.; asc. 30 ft. over SW. slope.
40.37	The cor. of Ts. 18 and 19 S., R. 18 W., mkd. by a limestone, 24x18x6 ins., originally set for the cor. of Ts. 18 and 19 S., Rs. 17 and 18 W., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R19S R18W R17W S36 | S 6 S 1 T19S 1959

De endent Resurve E. Bd ., T. 19 S. R. 18 W.

Chains	
	Bury the original cor. alongside the iron post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken and rolling. Soil, clay, sandy loam, and rocky. Timber, scattering juniper.

Dependent Resurvey of the North Boundary of T. 19 S., R. 18 W.

	Reestablishment of the survey executed by A. J. Stewart Jr., Deputy Surveyor in 1883, with the establishment of new cors. for T. 18 S., R. 17 W. From the cor. of Tps. 18 and 19 S., R. 18 W. N. 89° 43' W., on the N. bdy. of sec. 1.
	Over rolling bench land; desc. 20 ft. over SW. slope.
4.00	Wash, 40 lks. wide, 2 ft. deep, drains NW.; desc. 130 ft. over rolling NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 36, T. 18 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S36 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
41.815	Point for the ¼ sec. cor. of sec. 1, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S 1 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.
	Desc. 40 ft. over NW. slope.
50.40	Trail road, bears NW. and SE.
52.00	Wash, 30 lks. wide, 2 ft. deep, drains NW.; desc. 120 ft. over rolling NW. slope.
80.00	Point for the cor. of secs. 35 and 36, T. 18 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W S35 | S36 S 1 T19S 1959
83.63	The cor. of secs. 1 and 2, mkd. by a limestone 12x12x8 ins., firmly set and plainly mkd., originally set for the cor. of secs. 1, 2, 35 and 36

U. S. GOVERNMENT PRINTING OFFICE 16—88580-2

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W S35 S 2 | S 1 T19S 1959 Bury the original cor. alongside the iron post. Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor. Land, rolling bench land. Soil, gravelly and sandy loam. Timber, none.
	N. 89° 45' W., on the N. bdy. of sec. 2. Over rolling bench land; desc. 110 ft. over NW. slope.
31.50	Wash, 50 lks. wide, 2 ft. deep, drains NW.
36.37	Point for the ¼ sec. cor. of sec. 35, T. 18 S., R. 18 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S35 T19S 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor. Desc. 20 ft. over NW. slope.
41.39	The ¼ sec. cor. of sec. 2, T. 19 S., R. 18 W., mkd. by a limestone 15x10x8 ins. firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S 2 T19S 1959 Bury the original cor. alongside the iron post. Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.
	N. 89° 46' W., beginning new measurement. Desc. 50 ft. over rolling NW. slope.
21.10	Wash, 30 lks. wide, 3 ft. deep, drains NW.; trail road, bears N. and S.; desc. 50 ft. over rolling NW. slope.
34.98	Point for the cor. of secs. 34 and 35, T. 18 S., R. 18 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.

Dependent Resurvey, N. Bdy., T. 19 S., R. 18 W.

Chains	
	T18S R18W S34 | S35 S 2 T19S 1959
36.70	Trail road, bears SW. and NE.
39.56	Point for the cor. of secs. 2 and 3, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T18S R18W S34 S 3 | S 2 T19S 1959
	Land, rolling bench land. Soil, gravelly and sandy loam. Timber, none.
	N. 89° 46' W., on the N. bdy. of sec. 3.
	Over rolling bench land; desc. 50 ft. over rolling NW. slope.
27.50	Wash, 30 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling NW. slope.
35.42	Point for the ¼ sec. cor. of sec. 34, T. 18 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W ¼ S34 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
39.56	Point for the ¼ sec. cor. of sec. 3, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T18S R18W ¼ S 3 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.
	Desc. 20 ft. over rolling NW. slope.
51.20	Wash, 40 lks. wide, 3 ft. deep, drains NW.; desc. 30 ft. over rolling NW. slope.
60.10	Trail road, bears N. and S.; desc. 10 ft. over rolling NW. slope.

Dependent Resurvey, N. Bdy., T. 19 S., R. 18 W.

Chains	
75.42	Point for the cor. of secs. 33 and 34, T. 18 S., R. 18 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W S33 | S34 S 3 T19S 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
75.60	Trail road, bears NW. and SE.
79.13	The cor. of secs. 3 and 4, T. 19 S., R. 18 W., mkd. by a limestone 24x18x12 ins. firmly set and plainly mkd., originally set for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W S33 S 4 | S 3 T19S 1959 Bury the original cor. alongside the iron post. Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor. Land, gently rolling bench land. Soil, gravelly and sandy loam. Timber, none.
	N. 89° 42' W., on the N. bdy. of sec. 4. Over gently rolling bench land, draining NW.
1.90	Wash, 50 lks. wide, 2 ft. deep, drains NW.; desc. 40 ft. over gently rolling NW. slope.
36.29	Point for the ¼ sec. cor. of sec. 33, T. 18 S., R. 18 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S33 T19S 1959 No available accessories.
37.10	The ¼ sec. cor. of sec. 4, T. 19 S., R. 18 W., a limestone 24x16x12 ins. firmly set and plainly mkd., originally set 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.

32

De dent Resurvey,N. ., T. 19 S., R. 18 W.

Chains

T18S R18W

¼ S 4
T19S
1959

Bury the original cor. alongside the iron post.

No available accessories.

N. 89° 46' W., beginning new measurement.

Desc. 50 ft. over gently rolling NW. slope.

39.19 Point for the cor. of secs. 32 and 33, T. 18 S., R. 18 W.

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

T18S R18W
S32 | S33
S 4
T19S
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.

Desc. 10 ft. over gently rolling NW. slope.

43.02 The cor. of secs. 4 and 5, T. 19 S., R. 18 W., a limestone 12x9x6 ins. firmly set and plainly mkd., originally set 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.

T18S R18W
S32
S 5 | S 4
T19S
1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.

Land, gently rolling bench land.
Soil, gravelly and sandy loam.
Timber, none.

N. 89° 43' W., on the N. bdy. of sec. 5.

Over gently rolling bench land; desc. 50 ft. over NW. slope.

36.17 Point for the ¼ sec. cor. of sec. 32, T. 18 S., R. 18 W.

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

T18S R18W
¼ S32

T19S
1959

Chains	
	No available accessories.
40.07	The ¼ sec. cor. of sec. 5, T. 19 S., R. 18 W., a limestone 12x10x6 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S 5 T19S 1959
	Bury the original cor. alongside the iron post.
	No available accessories.
	N. 89° 46' W., beginning new measurement.
	Desc. 40 ft. over gently rolling NW. slope.
22.20	Graded road, bears N. 30° E. and S. 30° W.; desc. 20 ft. over NW. slope.
25.00	Fence, 4 strand barb, bears N. 15° E. and S. 15° W.
36.10	Point for the cor. of secs. 31 and 32, T. 18 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W S31 | S32 S 5 T19S 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
40.08	The cor. of secs. 5 and 6, T. 19 S., R. 18 W., a limestone 14x12x8 ins. firmly set and plainly mkd., originally set 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. T18S R18W S31 S 6 | S 5 T19S 1959
	Bury the original cor. alongside the iron post.
	Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	N. 89° 43' W. on the N. bdy. of sec. 6.
	Over gently rolling NW. slope; desc. 30 ft.

Dependent Resurvey, N. Bdy., T. 19 S., R. 18 W.

Chains	
36.02	Point for the ¼ sec. cor. of sec. 31, T. 18 S., R. 18 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S 31 T19S 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
40.06	Point for the ¼ sec. cor. of sec. 6, T. 19 S., R. 18 W., proportionate dist.; there is no remaining evidence of the original cor. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T18S R18W ¼ S 6 T19S 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, S. of cor.
40.50	Wash, 40 lks. wide, 2 ft. deep, drains NW.; desc. 50 ft. over rolling NW. slope.
79.32	The cor. of Ts. 18 and 19 S., Rs. 18 and 19 W., an iron post, 3 ins. diam., firmly set, mkd., and witnessed as described in the official record. Land, gently rolling Soil, gravelly, sandy loam, and alkali. Timber, none.

Survey of a Portion of the Subdivision of T. 19 S., R. 18 W.

	From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of T. 20 S., R. 18 W. N. 0° 02' E., bet. secs. 35 and 36. Over broken land; asc. 110 ft. over S. slope.
10.90	Ridge, bears N. 80° E. and S. 80° W.; desc. 100 ft. over NW. slope.
21.30	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 120 ft. over rolling SW. slope.
37.80	Ridge, bears S. 70° W.; desc. 30 ft. over 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.

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Chains	
	T19S R18W ¼ S35 | S36 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Desc. 80 ft. over NW. slope.
50.90	Wash, 20 lks. wide, 1 ft. deep, drains NE.; trail road, bears NE. and SW.; thence along rolling E. slope.
59.90	Wash, 10 lks. wide, 2 ft. deep, drains E.
61.90	Small spur, bears E.; desc. 30 ft. over NE. slope.
65.40	Small wash, drains N. 80° E.; asc. 10 ft. over SE. slope.
67.80	Spur, bears E.; desc. 30 ft. over NW. slope.
74.10	Small wash, drains E.; asc. 30 ft. over SE. slope.
79.00	Top of ascent on E. slope; desc. 10 ft. over NE. slope.
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 to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W S26 | S25 S35 | S36 1959
	Land, broken and rolling. Soil, clay, sandy loam, and rocky. Timber, none.
	From the cor. of secs. 25 and 36 on the E. bdy. of the Tp., heretofore described.
	S. 89° 43' W., bet. secs. 25 and 36.
	Over broken land; along N. slope.
5.50	Wash, 20 lks. wide, 3 ft. deep, drains NE.; asc. 80 ft. over E. slope.
9.60	Top of ascent on S. slope; desc. 30 ft. over SW. slope.
14.00	Small wash, drains S. 70° E.; asc. 220 ft. over steep E. slope.
28.40	Ridge, bears N. and SW.; desc. 160 ft. over steep W. slope.
40.10	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R18W ¼ S25 S36 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
	Desc. 10 ft. over W. slope.

Survey, Portion of Subdivision, T. 19 S., R. 18 W.

Chains	
41.00	Wash, 10 lks. wide, 3 ft. deep, drains N.; asc. 80 ft. over E. slope.
46.10	Spur, bears N. 10° E.; desc. 120 ft. over NW. slope.
54.40	Wash, 20 lks. wide, 2 ft. deep, drains N.; asc. 40 ft. over E. slope.
56.90	Spur, bears N.; desc. 50 ft. over W. slope.
62.60	Wash, 20 lks. wide, 2 ft. deep, drains N.30° E.; trail road, bears N. 30° E. and S. 30° W.; asc. 80 ft. over E. slope.
69.00	Ridge, bears N.; desc. 80 ft. over W. slope.
75.10	Wash, 30 lks. wide, 2 ft. deep, drains N.; asc. 80 ft. over E. slope.
80.20	The cor. of secs. 25, 26, 35 and 36.
	Land, broken. Soil, clay, sandy loam, and rocky. Timber, none.

Dependent Resurvey of a Portion of the Subdivision, T. 19 S., R. 18 W.

Reestablishment of the survey executed by R. E. L. Collier, Deputy Surveyor, in 1895.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 18 W.

N. 0° 12' W., bet. secs. 32 and 33.

Over rolling land.

4.30	Wash, 20 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 60 ft. over rolling SW. slope.
23.20	Trail road, bears N. 60° E. and S. 60° W.
29.90	Wash, 20 lks. wide, 2 ft. deep, drains S. 80° W.; asc. 30 ft. over SW. slope.
38.90	Ravine, drains SW.; asc. 10 ft. over S. slope.
40.12	The ¼ sec. cor. of secs. 32 and 33, a limestone 18x9x4 ins. firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T19S R18W

S32 | S33

1959

Bury the original cor. alongside the iron post.

N. 0° 15' W., beginning new measurement.

Asc. 160 ft. over S. slope.

22.70	Spur, bears E.; desc. 50 ft. over E. slope.

Dependent Resurvey, Portion of Subdivision, T. 19 S., R. 18 W.

Chains	
25.70	Ravine, drains SE.; asc. 20 ft. over SE. slope.
29.00	The witness cor. of secs. 28, 29, 32 and 33, a limestone 15x12x8 ins. firmly set and plainly mkd.
	Asc. 140 ft. over SE. slope.
35.80	Spur, bears E.; desc. 40 ft. over NE. slope.
38.70	Ravine, drains E.; asc. 20 ft. over SE. slope.
40.00	Point for the cor. of secs. 28, 29, 32 and 33, record bearing and dist. from the witness cor., heretofore described.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W S29 | S28 S32 | S33 1959
	The original witness cor., bears S. 0° 15' E., 11.00 chs. dist. As the true point was occupied, I destroyed the original witness cor.
	Land, rolling and broken. Soil, sandy loam, clay, and rocky. Timber, scattering juniper.
	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the resurvey of T. 20 S., R. 18 W.
	N. 0° 13' W., bet. secs. 31 and 32.
	Over rolling land.
4.90	Small wash, drains SW.; asc. 140 ft. over rolling SW. slope.
38.00	Spur, bears N. 80° W.; desc. 50 ft. over N. slope.
12.90	Ungraded road, bears S. 70° E. and N. 70° W.
40.12	The ¼ sec. cor. of secs. 31 and 32, a limestone 18x16x4 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W ¼ S31 | S32 1959
	Bury the original cor. alongside the iron post.
	Survey of a Portion of the Subdivision of T. 19 S., R. 18 W.
	From the ¼ sec. cor. of sec. 31 and 32.
	N. 0° 15' W., beginning new measurement.
.30	Ravine, drains N. 80° W.; asc. 20 ft. over S. slope.

Survey, Portion of Subdivision of T. 19 S., R. 18 W.

Chains	
2.70	Spur, bears W.; desc. 30 ft. over N. slope.
6.40	Ravine, drains S. 80° W.; asc. 60 ft. over SW. slope.
14.80	Ridge, bears SW.; desc. 20 ft. over NW. slope.
18.80	Ravine, drains S. 80° W.; asc. 20 ft. over rolling SW. slope.
32.50	Ravine, drains N. 80° W.; asc. 50 ft. over S. slope.
35.80	Spur, bears S. 80° W.; desc. 40 ft. over NW. slope.
40.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R18W S30 | S29 S31 | S32 1959
	Land, rolling. Soil, sandy loam and clay. Timber, none.
	From the cor. of secs. 28, 29, 32 and 33. S. 89° 43' W., bet. secs. 29 and 32.
	Over broken land, through scattering timber; asc. 70 ft. over SE. slope.
4.30	Ridge, bears S.; desc. 120 ft. over SW. slope.
15.10	Wash, 30 lks. wide, 2 ft. deep, drains S. 40° E.; asc. 80 ft. over E. slope.
19.70	Spur, bears SE.; desc. 10 ft. over SW. slope.
27.60	Ravine, drains S. 70° E.; asc. 180 ft. over steep E. slope.
36.50	Ridge, bears N. 10° E. and S.; desc. 130 ft. over steep and broken W. slope.
40.17	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 bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W ¼ S29 S32 1959
	Desc. 140 ft. over steep W. slope.
47.50	Wash, 1.00 ch. wide, 3 ft. deep, drains SW.; desc. 70 ft. over SW. slope.
58.40	Ravine, drains S.; asc. 50 ft. over SE. slope.
64.80	Spur, bears SW.; desc. 110 ft. over steep NW. slope.
69.60	Ravine, drains SW.; asc. 30 ft. over SE. slope.

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Survey, Portion of Subdivision, T. 19 S., R. 18 W.

Chains	
72.60	Spur, bears SW.; desc. 160 ft. over steep NW. slope.
80.34	The cor. of secs. 29, 30, 31 and 32.
	Land, broken. Soil, clay, sandy loam, and rocky. Timber, scattering juniper.

General Description

The land within this township is rolling and broken desert. The elevation varies from 6500 feet above sea level on the low mountains, to 5000 feet above sea level on the desert.

The soil varies from sandy loam, gravelly, and alkaline on the desert to clay, sandy loam, and rocky on the mountains.

The timber is composed of scattering juniper and pinon on the higher elevations of little commercial value.

Principal users of the area are sheepmen and cattlemen and access into the township is provided by desert roads and stock trails.

No mineral formations of consequence were noted during the survey.

Chains

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Page

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1-680
b, 1950

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Notekeeper
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman
Edwin P. Lister	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954, I have ~~surveyed~~ supervised the dependent and independent resurveys of the Snake Valley Guide Meridian along the east boundary, and the dependent resurvey of the north boundary with establishment thereon of new corners pertaining to T. 18 S., R. 18 W., and dependent and original surveys of a portion of the subdivision of T. 19 S., R. 18 W.

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~~ under my supervision; 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
January 20, 1960

Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, *19*

The foregoing field notes of the ~~survey of~~ dependent and independent resurveys of the Snake Valley Guide Meridian along the east boundary, and dependent resurvey of the north boundary with establishment thereon of new corners pertaining to T. 18 S., R. 18 W., and dependent and original surveys of a portion of the subdivision of T. 19 S., R. 18 W.

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor

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

Clark F. Gunnar
Acting *Cadastral Engineering Staff Officer.*

CERTIFICATE OF TRANSCRIPT

I, [illegible] that the foregoing transcript of the field notes of the [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

INDEPENDENT RESURVEY

OF THE EAST BOUNDARY AND A PORTION OF THE NORTH BOUNDARY

AND THE

SURVEY

OF A PORTION OF THE NORTH BOUNDARY

AND A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 15 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

Lacel E. Bland, Cadastral Surveyor

ler special instructions dated August 4, *19* 54, *which provided*

the surveys included under Group No. 407, *approved* September 7, 1954

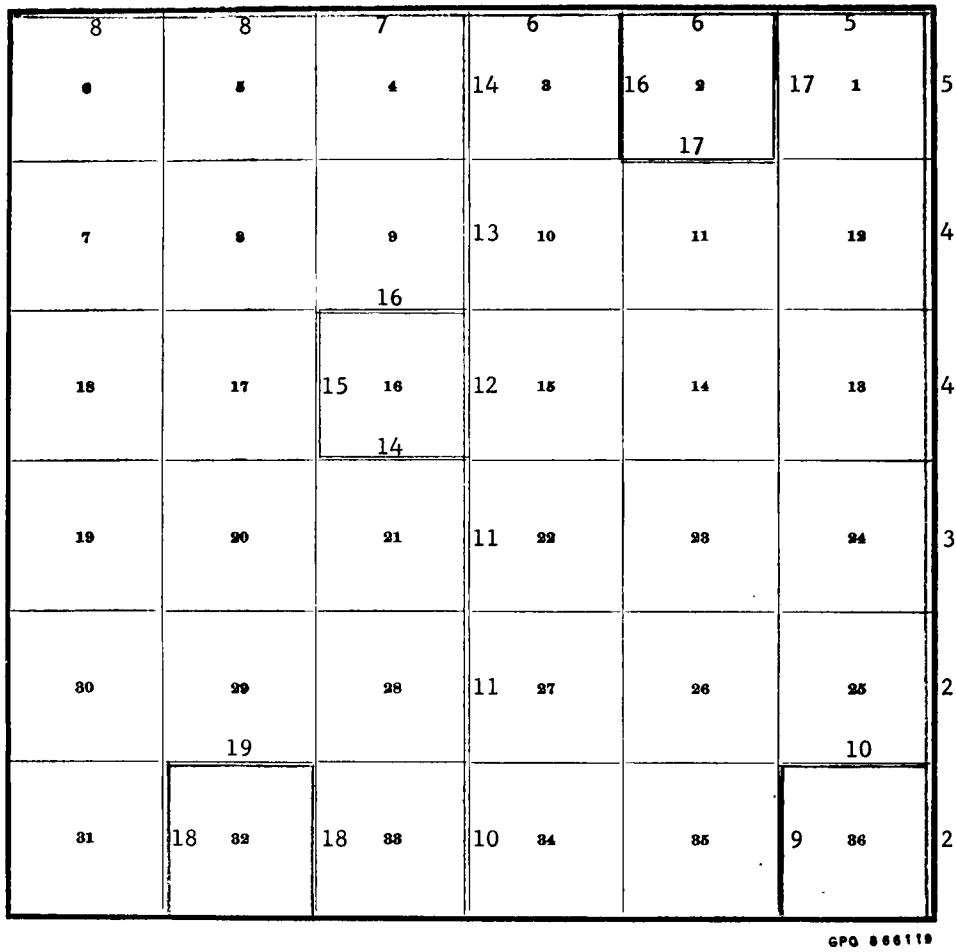
assignment instructions dated May 1, *19* 59

Survey commenced May 5, *19* 59

Survey completed June 12, *19* 59

INDEX DIAGRAM

Township 20 South, *Range* 15 West



GPO 866119

Eldon W. Sibley _____

Lacel E. Bland _____

Township 20 South, Range 15 West

Chains

The east boundary and a portion of the north boundary were surveyed by A. J. Steward Jr. in 1884. The south boundary, Fourth Standard Parallel South, was resurveyed by W. W. Bandy in 1925. The west boundary was surveyed concurrently and is described in the field notes of T. 20 S., R. 16 W.

The following field notes are those of the independent resurvey of the east boundary and a portion of the north boundary; and the survey of a portion of the north boundary and a portion of the subdivision of T. 20 S., R. 15 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 491037 and 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 01' 07.0" N. and longitude 113° 28' 23.9" W. as adjusted from traverses along section lines to U. S. G. S. triangulation station Water Tank, near crossroads at Painter Springs.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Independent Resurvey, E. Bdy., T. 20 S., R. 15 W.

Chains	
	Independent Resurvey of the East Boundary of T. 20 S., R. 15 W., Superseding the Survey of Deputy Surveyor A. J. Steward Jr. in 1884. No evidence of original corners was found.
	Beginning at the standard cor. of Tps. 20, Rs. 14 and 15 W., which is monumented by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official records.
	North, bet. secs. 31 and 36.
	Over rolling land, draining NE., through scattered timber; desc. 130 ft. over rolling NW. slope.
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, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R15W R14W ¼ S36 | S31 1959
	Desc. 100 ft. over rolling NE. slope.
71.70	Small wash, drains SE.; asc. 90 ft. over S. slope.
80.00	Point for the cor of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ind. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R15W R14W S25 | S30 S36 | S31 1959
	Land, rolling. Soil, sand. Timber, scattered juniper and pinon. Undergrowth, scattered sagebrush and shadscale.
	North, bet. secs. 25 and 30.
	Over broken land; desc. 200 ft. over N. slope.
19.50	Wash, 30 lks. wide, 3 ft. deep, course NW.; asc. 330 ft. over SW. slope
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R15W R14W ¼ S25 | S30 1959
	Asc. 70 ft. over SW. slope.

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Independent Resurvey, E. Bdy., T. 20 S., R. 15 W.

Chains	
48.80	Ridge, bears SW. and NE.; desc. 580 ft. over broken N. slope.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R15W R14W S24 | S19 S25 | S30 1959
	Land, broken. Soil, clay and exposed granite. Timber, none. Undergrowth, widely scattered sagebrush and shadscale.
	North, bet. secs. 19 and 24.
	Over broken land; desc. 430 ft. over N. slope.
22.30	Base of steep N. slope, over nearly level desert land.
29.40	Wash, 30 lks. wide, 3 ft. deep, drains NE.
37.30	Unimproved road, bears N. 60° E. and S. 60° W.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R15W R14W ¼ S24 | S19 1959
	Desc. 80 ft. over gradual N. slope.
72.20	Wash, 50 lks. wide, 3 ft. deep, drains NE.
78.30	Wash, 50 lks. wide, 3 ft. deep, drains NE.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R15W R14W S13 | S18 S24 | S19 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high W. of cor.
	Land, nearly level on 57.70 chs., steep on 22.30 chs. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.

Independent Resurvey, E. Bdy., T. 20 S., R. 15 W.

Chains	
	North, bet. secs. 13 and 18.
	Over nearly level land; desc. slight N. slope.
3.30	Wash, 40 lks. wide, 3 ft. deep, drains NE.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R15W R14W ¼ S13 | S18 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
73.31	U. S. Highway 50 and 6, bears N. 63° 52' W. and S. 63° 52' E.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R15W R14W S12 | S 7 S13 | S18 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	North, bet. secs. 7 and 12.
	Over nearly level desert land.
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.
	T20S R15W R14W ¼ S12 | S 7 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
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.
	T20S R15W R14W S 1 | S 6 S12 | S 7 1959

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Chains	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	North, bet. secs. 1 and 6.
	Over nearly level land.
40.00	Point for the ¼ sec. 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.
	T20S R15W R14W ¼ S 1 | S 6 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
60.35	Dam and small reservoir.
80.00	Point for the cor. of Tps. 19 and 20 S., Rs. 14 and 15 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R15W R14W S36 | S31 S 1 | S 6 T20S 1959
	Raise a mound of stone, 3½ ft. base, 3 ft. high, W. of cor.
	Land, level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	Independent Resurvey of the North Boundary of T. 20 S., R. 15 W., Superseding the Survey by A. J. Steward in 1884. No evidence of original corners was found.
	From the cor. of Tps. 19 and 20 S., Rs. 14 and 15 W.
	S. 89° 56' W., bet. secs. 1 and 36.
	Over nearly level land; asc. gradual E. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36,
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T19S R15W ¼ S36 S 1 T20S 1959

Chains	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
80.00	Point for the 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.
	T19S R15W S35 | S36 S 2 | S 1 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W, of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	S. 89° 56' W., bet. secs. 2 and 35.
	Over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T19S R15W ¼ S35 S 2 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of 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.
	T19S R15W S34 | S35 S 3 | S 2 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	S. 89° 56' W., bet. secs. 3 and 34.
	Over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.

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Chains	
	T19S R15W ¼ S34 / S 3 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of cor.
40.40	Wash, 15 lks. wide, 2 ft. deep, drains NE.
56.30	Trail road, bears NW. and S.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R15W S33 | S34 S 4 | S 3 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.
	S. 89° 56' W., bet. secs. 4 and 33.
	Over nearly level land; asc. gradual E. slope.
20.45	Graded road, bears N. 10° E. and S. 10° W.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R15W ¼ S33 / S 4 T20S 1959
	Asc. 120 ft. over rolling E. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T19S R15W S32 | S33 S 5 | S 4 T20S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

Indep dent Resurvey N. Bdy. T. 20 S. R. 15 W.

Land, rolling.
Soil, sand and clay.
Timber, none.
Undergrowth, sagebrush and shadscale.

Survey Completing North Boundary of T. 20 S., R. 15 W.

S. 39° 56' W., bet. secs. 5 and 32.

Over rolling land; asc. 140 ft. over E. slope.

...60 Wash, 30 lks. wide, 3 ft. deep, drains NE.; asc. 70 ft. over E. slope.

40.00 Point for the ¼ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T19S R15W
¼ S32
S 5
T20S
1959

Asc. 80 ft. over rolling E. slope.

46.50 Base of steep E. slope; asc. 580 ft. over broken E. slope.

70.50 Small spur, slopes N. 10° E.; desc. 30 ft. over W. slope.

80.00 Point for the cor. of secs. 5, 6, 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.

T19S R15W
S31 | S32
S 6 | S 5
T20S
1959

Land, broken to rolling.
Soil, sand, clay and granite outcroppings.
Timber, scattered juniper and pinon on W. ½ mile.
Undergrowth, sagebrush and shadscale.

S. 39° 56' W., bet. secs. 6 and 31.

Over broken land; asc. 160 ft. over SE. slope.

9.60 Slope changes to E.; asc. 630 ft. over E. 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 bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

T19S R15W
¼ S31
S 6
T20S
1959

Survey, N. Bdy., T. 20 S., R. 15 W.

Chains	
	Asc. 430 ft. over E. slope.
53.60	Top of ascent, bears N. 10° W. and S. 10° E.; desc. 340 ft. over W. slope.
66.00	Small wash, drains S. 70° W.; asc. 40 ft. over E. slope.
73.30	Spur, slopes S. 60° W.; desc. 130 ft. over NW. slope.
78.98	The cor. of Tps. 19 and 20 S., Rs. 15 and 16 W.
	Land, broken. Soil, clay, granite outcroppings. Timber, scattered juniper and pinon. Undergrowth, scattered sagebrush and shadscale.

Survey of a Portion of the Subdivision of T. 20 S., R. 15 W.

From the standard cor. of secs. 35 and 36, an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official records.

N. 0° 01' W., bet. secs. 35 and 36.

Over broken land; asc. 50 ft. over SE. slope.

2.10 Spur, slopes E.; desc. 200 ft. over NE. slope.

8.50 Wash, 20 lks. wide, 3 ft. deep, drains E.; asc. 340 ft. over SE. slope.

21.40 Spur, slopes E.; desc. 340 ft. over NE. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S R15W
¼
S35 | S36
1959

Desc. 260 ft. over steep N. slope.

48.40 Head of small ravine, drains NE.; desc. 640 ft. over N. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone to top, 3 ft. base, with brass cap mkd.

T20S R15W
S26 | S25
S35 | S36
1959

Land, broken.
Soil, clay.
Timber, scattered juniper and pinon.

Survey. Portion of Subdivision T. 20 S. R. 15 W.

Chains	
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp.
	S. 89° 59' W., bet. secs. 25 and 36.
	Over rolling land; desc. 120 ft. over SW. slope.
34.50	Wash, 60 lks. wide, 2 ft. deep, drains N.; asc. 20 ft. over E. slope.
39.93	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 and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R15W ¼ S25 S36 1959
	Asc. 140 ft. over rolling E. slope.
56.30	Small ridge, bears N. and S.; desc. 60 ft. over W. slope.
72.80	Wash, 30 lks. wide, 3 ft. deep, drains N.; asc. 30 ft. over E. slope.
79.87	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling. Soil, clay loam. Timber, scattered juniper and pinon.
	From the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp., the Fourth Standard Parallel South, an iron post, 2 ins. diam., firmly set, mkd., and witnessed as described in the official record.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over mountainous land, through scattering timber.
.40	Small ravine, drains N. 10° W.; asc. 100 ft. over SW. slope.
18.50	Ridge, bears S. 10° E. and N. 10° W.; desc. 90 ft. over rolling NE. slope.
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 to top, 4 ft. base, with brass cap mkd.
	T20S R15W ¼ S33 | S34 1959
	Desc. 40 ft. over NE. slope.
45.80	Base of descent; bears E.; asc. 20 ft. over SE. slope.
53.30	Ridge, projects E.; desc. 150 ft. over N. slope, through dense timber.
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 to top, 4 ft. base, with brass cap mkd.

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Chains	
	T20S R15W S28 | S27 S33 | S34 1959
	Land, mountainous. Soil, rocky and sandy loam. Timber, juniper and pinon.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over mountainous land, through medium dense timber; desc. 80 ft. over NW. slope.
14.20	Small swale, drains N. 70° E.; thence over gently rolling land.
36.30	Small swale, drains SE.; asc. 20 ft. over 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., 4 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R15W ¼ S28 | S27 1959
	Asc. 110 ft. over S. slope.
60.30	Ridge, bears S. 80° W. and E.; desc. 80 ft. over NW. slope.
69.80	Ravine, drains W.; asc. 60 ft. over SW. slope.
74.60	Spur, projects NW.; desc. 100 ft. over steep N. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R15W S21 | S22 S28 | S27 1959
	Land, mountainous. Soil, rocky and sandy loam. Timber, juniper and pinon.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over mountainous land, through medium dense timber; by triangulation, desc. about 400 ft. over broken ledgy N. slope.
8.00	Ravine, drains NW.; desc. about 120 ft. over W. slope.
20.00	Spur, from ridge, slopes NW.; desc. about 480 ft. over N. slope.
33.00	Ravine, drains N. 30° W.; enter scattering timber; asc. about 80 ft. over SW. slope.
40.00	End of triangulation. Point for the ¼ sec. cor. of secs. 21 and 22.

Survey, Portion of Subdivision, T. 20 S. R. 15 W.

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 to top, 3½ ft. base, with brass cap mkd. T20S R15W ¼ S21 | S22 1959
	Asc. 80 ft. over SW. slope.
46.90	Spur, projects N. 10° W.; desc. 280 ft. over N. slope.
56.50	Ravine, drains N. 70° W.; asc. 30 ft. over SW. slope.
59.50	Spur, slopes W.; desc. 250 ft. over NW. slope.
74.80	Same ravine, drains N. 60° W.; asc. 30 ft. over SW. slope.
78.00	Slope changes to W. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R15W S16 | S15 S21 | S22 1959
	Land, mountainous. Soil, rocky, clay and sandy loam. Timber, juniper and pinon.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over mountainous land, through scattering timber; desc. 80 ft. along W. slope.
16.40	Slope changes to N.; desc. 260 ft.
31.80	Main wash, 1.00 ch. wide, 2 ft. deep, drains N. 80° E.; asc. 60 ft. over S. slope.
39.10	Ridge, bears N. 60° E. and S. 70° W.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R15W ¼ S16 | S15 1959
	Desc. 90 ft. over NW. slope.
52.30	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 70 ft. over S. slope.
69.30	Ridge, bears NE. and SW.; desc. 130 ft. over NW. slope.
80.00	Point for the sec. cor. of secs. 9, 10, 15 and 16.

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Survey, Portion of Subdivision, T. 20 S., R. 15 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top 3 ft. base, with brass cap mkd. T20S R15W S 9 | S10 S16 | S15 1959 Land, mountainous. Soil, rocky, clay and sandy loam. Timber, juniper.
	N. 0° 02' W., bet. secs. 9 and 10. Over rolling land; desc. 120 ft. over steep NW. slope.
8.00	Base of descent, bears NE. and SW.; trail road, bears SW. and N. 20° W.; over dry reservoir.
24.80	Bank of reservoir, bears E. and W.; desc. 80 ft. over N. slope.
34.50	Base of descent; asc. 10 ft. over S. slope.
38.30	Low ridge, bears E. and W.; desc. 10 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R15W ¼ S 9 | S10 1959
	Desc. 100 ft. over N. slope.
53.60	U. S. Highway 50 and 6, bears N. 84° W. and S. 84° E.
63.20	Trail road, bears NE. and SW.; desc. 30 ft. over rolling N. slope.
67.80	Wash, 60 lks. wide, 2 ft. deep, drains N. 80° E.
70.40	Wash, 1.00 ch. wide, 4 ft. deep, drains E.; 3.00 chs. to above wash.
73.40	Trail road, bears NW. and SE., 2.00 chs., thence SW.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R15W S 4 | S 3 S 9 | S10 1959 No available accessories. Land, rolling. Soil, gravelly and sandy loam. Timber, none.

Survey, Portion of Subdivision, T. 20 S., R. 15 W.

Chains	
	N. 0° 16' W., bet. secs. 3 and 4.
	Over nearly level land.
25.00	Begin ascent over S. slope; asc. 20 ft.
27.10	Top of ascent; thence over nearly level land.
28.30	Trail road, bears E. and W.
31.80	Begin descent over gently rolling N. slope; desc. 30 ft.
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.
	T20S R15W ¼ S 4 | S 3 1959
	Raise a mound of stone, 2 ft. base, 2 ft. high, W. of cor.
	Desc. 70 ft. over gently rolling N. slope.
80.00	The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.
	Land, gently rolling. Soil, gravelly and sandy. Timber, none.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over mountainous land, through scattering timber; desc. 150 ft. over W. slope.
5.00	Ravine, drains N. 30° W.; asc. 130 ft. over E. slope.
9.30	Spur, projects N.; desc. 150 ft. over W. slope.
16.00	Base of descent, bears N. and S.
20.50	Wash, 30 lks. wide, 5 ft. deep, drains N.; asc. 30 ft. over NE. slope.
24.90	Small spur, slopes N., 3.00 chs. to end; desc. 20 ft. over W. slope.
30.20	Ravine, drains N. 20° E.; asc. 40 ft. over E. slope.
32.90	Spur, slopes NE.; asc. 20 ft. over W. slope.
35.00	Ravine, drains N. 60° E.
38.00	Main wash, 50 lks. wide, 2 ft. deep, drains NE.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

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Survey, Portion of Subdivision, T. 20 S., R. 15 W.

Chains	
	T20S R15W ¼ S16 S21 1959
	Asc. 520 ft. over E. slope.
68.70	Spur, slopes sharply SE.; asc. 150 ft. over E. slope.
75.90	Spur, bears NE.; asc. 70 ft. over NE. 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 bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R15W S17 | S16 S20 | S21 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper.
	From the cor. of secs. 16, 17, 20 and 21.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over mountainous land, through scattering timber; desc. 250 ft. over steep NE. slope.
7.90	Ravine, drains E.; asc. 160 ft. over ledgy SE. slope.
15.30	Spur, projects E.; desc. 300 ft. over steep N. slope.
22.50	Ravine, drains N. 30° E.; desc. 120 ft. over NE. slope.
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 bedrock and in a mound of stone to top 4 ft. base, with brass cap mkd.
	T20S R15W ¼ S17 | S16 1959
	Desc. 240 ft. over NE. slope.
56.50	Wash, 1.00 ch. wide, 2 ft. deep, drains E.; asc. 50 ft. over SE. slope.
67.00	Top of ascent on E. slope; desc. 70 ft. along 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., 10 ins. in the ground to bedrock and in a mound of stone to top 4½ ft. base, with brass cap mkd.
	T20S R15W S 8 | S 9 S17 | S16 1959

Survey Portion of Subdivision, T. 20 S. R. 15 W.

Chains	
	Land, mountainous. Soil, rocky, sandy, and clay. Timber, juniper and pinon.
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 57' W., bet. secs. 9 and 16.
	Over rolling land; desc. 20 ft. over NW. slope.
8.30	Trail road, bears S. 10° W. and N. 80° E., 1.00 ch. thence N. 20° W.; asc. 120 ft. over SE. slope.
15.00	Ridge, bears S. 20° W. and N. 10° E.; desc. 90 ft. over NW. slope.
26.00	Wash, 60 lks. wide, 2 ft. deep, drains N. 10° E.; asc. 80 ft. over NE. slope.
40.005	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top 3 ft. base, with brass cap mkd. T20S R15W ¼ S 9 / S16 1959
	Asc. 140 ft. over NE. slope.
65.30	Ravine, drains N. 20° E.
68.70	Ravine, drains N. 30° E.; asc. 230 ft. over NE. slope.
80.01	The cor. of secs. 8, 9, 16 and 17.
	Land, rolling. Soil, rocky, sandy, and clay. Timber, none, 40.00 chs.; scattering pinon and juniper, 40.00 chs.
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over nearly level desert land.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone to top 3 ft. base, with brass cap mkd. T20S R15W ¼ S 3 | S 2 1959
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone to top 3 ft. base, with brass cap mkd.

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Chains	
	T20S R15W S 3 | S 2 S10 | S11 1959
	Land, nearly level. Soil, gravel, sand. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 2, 3, 10 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy., and the cor. of secs. 3, 4, 9 and 10. N. 89° 56' E., bet. secs. 2 and 11. Over nearly level land.
3.90	Wash, 30 lks. wide, 3 ft. deep, drains NW.
40.00	The point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T20S R15W ¼ S 2 S11 1959
	Raise a mound of stone 2½ ft. base, 2 ft. high, N. of cor.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R15W S 2 | S 1 S11 | S12 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, gravel and sand. Timber, none. Undergrowth, sagebrush and shadscale.
	From the cor. of secs. 1, 2, 11 and 12. N. 0° 01' E., bet. secs. 1 and 2. Over nearly level desert land.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T20S R15W ¼ S 2 | S 1 1959

Survey, Portion of Subdivision, T. 20 S. R. 15 W.

Chains	
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
79.95	The cor. of secs. 1, 2, 35 and 36.
	Land, nearly level. Soil, sand. Timber, none. Undergrowth, sagebrush and shadscale.

From the standard cor. of secs. 32 and 33, an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official records.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land; asc. 50 ft. over S. slope.

9.30	Spur, slopes E.; desc. 100 ft. over NE. slope.
16.30	Ravine, 250 lks. wide, drains NE.; asc. 110 ft. over SE. slope.
22.50	Spur, slopes E.; desc. 140 ft. over N. slope.
27.30	Same ravine drains NW.; asc. 60 ft.
31.60	Spur slopes SW.; desc. 70 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 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.

T20S R15W
¼
S32 | S33
1959

Desc. 100 ft. over NW. slope.

42.90	Ravine, drains N. 30° W.; asc. 160 ft. over SW. slope.
65.10	Spur, slopes N. 30° W.; desc. 200 ft. over N. slope.
75.20	Wash, 20 lks. wide, 1 ft. deep, drains SW.; asc. 40 ft. over SE. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.

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

T20S R15W
S29 | S28
S32 | S33
1959

Land, broken.
Soil, clay and granite outcroppings.
Timber, moderate juniper and pinon.
Undergrowth, scattered sagebrush and shadscale.

From the standard cor. of secs. 31 and 32, an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official records.

N. 0° 03' W., bet. secs. 31 and 32.

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Chains	
	Over broken land, through medium dense timber; desc. 490 ft. over N. slope.
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 3 ft. base, with brass cap mkd. T20S R15W ¼ S31 | S32 1959
	Desc. 20 ft. over N. slope.
41.50	Wash, 200 lks. wide, 4 ft. deep, drains N. 10° E.; asc. 230 ft. along E. slope.
53.60	Small wash, drains N. 60° E.
80.00	Point for the cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone to top 3½ ft. base, with brass cap mkd. T20S R15W S30 | S29 S31 | S32 1959
	Land, broken. Soil, clay. Timber, medium dense juniper and pinon.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 58' W., bet. secs. 29 and 32.
	Over broken land; asc. 90 ft. over E. slope.
5.70	Top of spur, slopes N.; desc. 40 ft. over W. slope.
15.10	Wash, 200 lks. wide, 1 ft. deep, drains N.; asc. 380 ft. over E. slope.
38.00	Spur, slopes N.; desc. 40 ft. over W. slope.
40.02	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top 4 ft. base, with brass cap mkd. T20S R15W ¼ S29 S32 1959
	Desc. 70 ft. over W. slope.
43.50	Small wash, drains N.; asc. 140 ft. over E. slope.
51.40	Spur, projects N.; desc. 300 ft. over W. slope.
66.70	Ravine, drains N. 10° E.; asc. 350 ft. over SE. slope.
80.04	The cor. of secs. 29, 30, 31 and 32.

Survey, Portion of Subdivision, T. 20 S., R. 15 W.

Chains

Land, broken.
Soil, clay and exposed granite.
Timber, moderate juniper and pinon.

General Description

The land within this township is mountainous, with gently rolling desert on the northeast portion. The elevation varies from 8,000 feet above sea level, on the higher mountains, to 4,500 feet above sea level on the desert. The area drains northeast into the desert.

The soil varies from sand, gravel and clay on the desert to rock, clay and sand on the mountains.

Principal users of the area are sheepmen, and access into the township is provided by U. S. Highway 50 and 6 and desert roads. The surveyed lines cross U. S. Highway 50 and 6 between sections 13 and 18 on the east boundary, between sections 9 and 10 and between sections 7 and 12 on the west boundary.

Access into the survey lines was partially provided by helicopter.

The timber is composed of juniper and pinon of little commercial value.

No mineral formations of consequence were noted during the survey.

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4-680
Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Notekeeper
Olaf M. Shakespeare	Chainman
Wallace R. Ott	Flagman
Jerry Lee Thomas	Axeman
Clarence N. Carleton	Cornerman
Ferrel D. Reynolds	Notekeeper
Dennis D. Bland	Chainman
Danny Fredrickson	Flagman
R. Gordon Shurtz	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954, I have ~~surveyed~~ supervised the independent resurvey of the east boundary, a portion of the north boundary, the survey of a portion of the north boundary and a portion of the subdivision of T. 20 S., R. 15 W.

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~~ under my supervision; 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 22, 1960

Vern E. Lane

Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, *19*

The foregoing field notes of the ~~survey of~~ independent resurvey of the east boundary and a portion of the north boundary, and the survey of a portion of the north boundary and a portion of the subdivision of T. 20 S., R. 15 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland and Eldon W. Sibley, Cadastral Surveyors, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

Clark F. Gumm

Acting *Cadastral Engineering Staff Officer.*

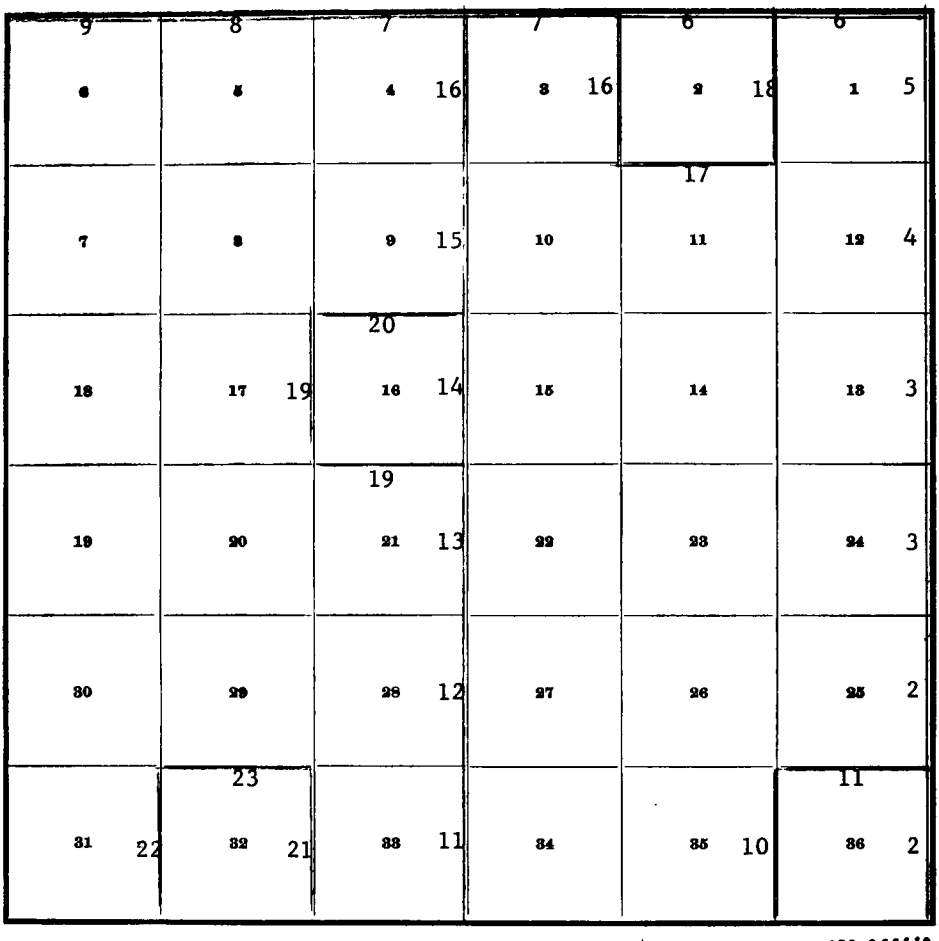
I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 20 S., R. 15 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineer

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

INDEX DIAGRAM

Township 20 South, *Range* 16 West



GPO 866119

_____ Lacel E. Bland

_____ Eldon W. Sibley

Township 20 South, Range 16 West

Chains

The south boundary (Fourth Standard Parallel South) was resurveyed by Collier and Gentry in 1909. The west boundary was surveyed concurrently and is described in the field notes of T. 20 S., R. 17 W.

The following field notes are those of the survey of the east boundary, north boundary and a portion of the subdivision of T. 20 S., R. 16 W. deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. and L. E. Gurley solar transits Nos. 580515 and 491037, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 01' 06.8" N. and longitude 113° 35' 05.0" W., as adjusted from traverses along section lines to U. S. C. & G. S. Station "High."

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary of T. 20 S., R. 16 W.

Beginning at the standard cor. of Tps. 20 S., Rs. 15 and 16 W., which is monumented with an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

Survey of the East Boundary of T. 20 S., R. 16 W.

Chains	
	North, bet. secs. 31 and 36.
	Over broken land, through scattered timber; asc. 40 ft. over S. slope
6.00	Top of ridge, bears E. and W.; desc. 260 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap T20S R16W R15W ¼ S36 | S31 1959
	Desc. 190 ft. over rolling N. slope.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W R15W S25 | S30 S36 | S31 1959
	Land, broken. Soil, sandy loam. Timber, medium scattered juniper and pinion.
	North, bet. secs. 25 and 30.
	Over broken land draining easterly.
.05	Unimproved road in bottom of wash, bears NE. and SW.; asc. 80 ft. over S. slope.
7.80	Top of spur, slopes NE.; desc. 80 ft. over NW. slope.
17.20	Small ravine, 100 lks. wide, drains E.; asc. 120 ft. over S. slope.
31.90	Top of ascent, bears NE. and SW.; desc. 50 ft. over N. 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, in a mound of stone, 3 ft. base to top, with brass cap mkd. T20S R16W R15W ¼ S25 | S30 1959
	By triangulation desc. about 350 ft. over broken N. slope.
56.00	Ravine, drains E.; asc. about 400 ft. over S. slope.
75.30	End of triangulation on top of spur, slopes W.; desc. 20 ft. over N. slope.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.

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Survey of the East Boundary of T. 20 S., R. 16 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T20S R16W R15W S24 | S19 S25 | S30 1959 Land, broken. Soil, clay and exposed limestone. Timber, medium dense juniper and pinion.
	North, bet. secs. 19 and 24. Over broken land; asc. 40 ft. over S. slope.
7.50	Small spur, slopes N. 60° W.; desc. 100 ft. over N. slope.
19.70	Small wash, drains S. 30° E.; asc. 140 ft. over SE. slope.
39.90	Top of spur, slopes S. 60° W.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T20S R16W R15W ¼ S24 | S19 1959 Desc. 30 ft. over NW. slope.
43.50	Small wash, drains SW.; asc. 80 ft. over SE. slope.
52.80	Top of ascent, bears NW. and SE.; desc. 570 ft. over steep 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., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T20S R16W R15W S13 | S18 S24 | S19 1959 Land, broken. Soil, clay and exposed limestone. Timber, dense juniper and pinion.
	North, bet. secs. 13 and 18. Over broken land, through scattered timber; desc. 150 ft. over NE. slope.

Chains	
11.10	Wash, 20 lks. wide, 4 ft. deep, drains NE.; desc. 230 ft. over NE. slope.
36.30	Wash, 100 lks. wide, 2 ft. deep, drains NE.; asc. 30 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd.
	T20S R16W R15W ¼ S13 | S18 1959
	Asc. 150 ft. over SE. slope.
57.10	Spur, slopes W.; desc. 200 ft. over NW. slope.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T20S R16W R15W S12 | S 7 S13 | S18 1959
	Land, broken. Soil, clay and exposed limestone. Timber, moderate juniper and pinion.

	North, bet. secs. 7 and 12.
	Over broken land; desc. 70 ft. over NW. slope.
4.00	Wash, 50 lks. wide, 3 ft. deep, drains NE.; asc. 100 ft. over SE. slope.
9.20	Top of spur, slopes E.; desc. 50 ft. over N. slope.
16.00	Crest of N. slope, by triangulation desc. about 500 ft. over steep and broken N. slope.
34.00	U.S. Highway 50 and 6, bears N. 60° E. and S. 60° W.
36.00	Wash, drains SE.; asc. S. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W R15W ¼ S12 | S 7 1959
	Asc. 350 ft. over broken S. slope.
50.00	Top of spur, projects SE. 2 chs.; desc. 200 ft. along broken E. slope.

Survey of the East Boundary of T. 20 S., R. 16 W.

Chains	
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, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T20S R16W R15W S 1 | S 6 S12 | S 7 1959 Land, broken. Soil, clay and exposed limestone. Timber, moderate juniper and pinion.
	North, bet. secs. 1 and 6. Over broken land; desc. 100 ft. over N. slope.
8.50	Wash, 200 lks. wide, 2 ft. deep, drains SE.; asc. 720 ft. over broken SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T20S R16W R15W ¼ S1 | S6 1959
	Asc. 190 ft. over broken SE. slope.
48.30	Spur, slopes SW.; desc. 120 ft. over NW. slope.
69.80	Wash, 20 lks. wide, 5 ft. deep, drains SW.; asc. 170 ft. over S. slope.
77.00	Spur, slopes SW.; desc. 40 ft. over NW. slope.
80.00	Point for the cor. of Tps. 19 and 20 S., Rs. 15 and 16 W. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T19S R16W R15W S36 | S31 S1 | S6 T19S 1959 Land, broken. Soil, clay and exposed limestone. Timber, scattered juniper and pinion.

Survey of the North Boundary of T. 20 S., R. 16 W.

Chains	
	From the cor. of Tps. 19 and 20 S., Rs. 15 and 16 W.
	S. 89° 59' W., bet. secs. 1 and 36.
	Over mountainous land, through scattered timber; desc. 30 ft. over slope.
1.60	Wash, 30 lks. wide, 3 ft. deep, drains S. 20° W.; asc. 320 ft. over SE. slope.
22.30	Spur, slopes S.; desc. 150 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd. T19S R16W ¼ S36 / S 1 T20S 1959
	Desc. 110 ft. over W. slope.
50.40	Wash, 40 lks. wide, 2 ft. deep, drains S.; asc. 170 ft. over E. slope.
68.80	Spur, slopes S.; desc. 80 ft. over NW. slope.
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 bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W S35 | S36 S2 | S1 1959
	Land, broken. Soil, clay and exposed limestone. Timber, scattered juniper and pinion.
	S. 89° 59' W., bet. secs. 2 and 35.
	Over mountainous land, through scattered timber; desc. 190 ft. over NW. slope.
20.70	Wash, 30 lks. wide, 2 ft. deep, drains S. 30° E.; asc. 250 ft. over NE. slope.
39.90	Spur, slopes SE.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a collar of stone, with brass cap mkd. T19S R16W ¼ S35 / S 2 T20S 1959
	Desc. 70 ft. over SW. slope.

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Chains	
56.20	Small wash, drains SW.; asc. 400 ft. over E. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T19S R16W S34 | S35 S3 | S2 1959
	Land, broken. Soil, clay and exposed limestone. Timber, scattered juniper and pinion.
	S. 89° 59' W., bet. secs. 3 and 34.
	Over mountainous land, through scattered timber; asc. 100 ft. over steep SE. slope.
6.20	Ridge, bears N. and S.; desc. 110 ft. over W. slope.
17.90	Ravine, drains N. 80° W.; cont. descent of 100 ft. along N. slope.
38.20	Ravine, drains S. 80° W.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T19S R16W ¼ S34 S 3 T20S 1959
	Asc. 10 ft. along S. slope.
46.30	Ridge, bears S. 70° W.; desc. 70 ft. over SW. slope.
55.60	Ravine, drains S. 70° W.; asc. 10 ft. over SE. slope.
57.90	Ridge, bears S. 70° W.; desc. 80 ft. over SW. slope.
72.40	Wash, 10 lks. wide, 2 ft. deep, drains N. 10° W.; asc. 70 ft. over E. slope.
80.00	True point for the cor. of secs. 3, 4, 33 and 34 falls on small ledge where cor. cannot be perpetuated.
	Land, mountainous. Soil, rocky, sandy and clay. Timber, scattered juniper and pinion.
	S. 89° 59' W., bet. secs. 4 and 33.
	Over mountainous land, through scattered timber.
.20	Point selected for the witness cor. of secs. 3, 4, 33 and 34.

Survey of the North Boundary of T. 20 S., R. 16 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, 3 ft. base to top, with brass cap mkd. T19S R16W S33 | S34 W S4 | S3 C T20S 1959
	Asc. 160 ft. over broken E. slope.
10.10	Ridge, bears N. 10° W. and S. 10° E.; desc. 90 ft. over W. slope.
23.00	Ravine, drains S. 20° E.; asc. 70 ft. over E. slope.
33.60	Ridge, bears N. 10° E. and S. 10° W.; desc. 70 ft. over NW. slope.
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 bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T19S R16W ¼ S33 S 4 T20S 1959
48.30	Spur, projects NW.; desc. 170 ft. over W. slope.
60.10	Small spur, projects SW.; desc. 90 ft. over SW. slope.
76.50	Ravine, drains S.; desc. 40 ft. over rolling SW. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd. T19S R16W S32 | S33 S5 | S4 T20S 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, scattered juniper and pinion.

	S. 89° 59' W., bet. secs. 5 and 32.
	Over mountainous land, through scattered timber; desc. 130 ft. over SW. slope.
13.10	Ravine, drains S.; asc. 60 ft. over E. slope.
19.60	Spur, projects S.; desc. 110 ft. over SW. slope.
26.60	Wash, 20 lks. wide, 2 ft. deep, drains N. 40° W.; asc. 30 ft. over NE. slope.

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Chains	
32.70	Spur, bears NW.; desc. 100 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T19S R16W ¼ S32 / S 5 T20S 1959
	Thence over rolling SW. slope.
48.20	Trail road, bears N. and S.; desc. 100 ft. over SW. slope.
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. T19S R16W S31 | S32 S6 | S5 T20S 1959
	Large boulder, 4 ft. diam., 3 ft. high, W. of cor. Land, mountainous 40.00 chs., rolling 40.00 chs. Soil, rocky and clay 40.00 chs., gravelly, sandy and clay 40.00 chs. Timber, scattered juniper.

	S. 89° 59' W., bet. secs. 6 and 31. Over rolling land, through scattered timber; desc. 90 ft. over SW. slope.
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. T19S R16W ¼ S31 / S 1 T20S 1959
	Desc. 30 ft. over rolling SW. slope.
63.90	Small ravine, drains S. 30° W.; desc. 10 ft. over W. slope.
79.69	The cor. of Tps. 19 and 20 S., Rs. 16 and 17 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 20 S., R. 17 W., surveyed concurrently under this same group. Land, rolling. Soil, gravelly, sandy and clay. Timber, scattered juniper.

Survey of a Portion of the Subdivision of T. 20 S., R. 16 W.

Chains	
	From the standard cor. of secs. 35 and 36 on the S. bdy. of the Tp. (Fourth Standard Parallel South) an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over broken land, through scattered timber; desc. 220 ft. over N. slope.
15.20	Ravine, drains N. 30° W.; asc. 40 ft. over S. slope.
16.50	Spur, slopes W.; desc. 30 ft. over N. slope.
18.00	Ravine, drains W.; asc. 50 ft. over SW. slope.
24.30	Top of ascent; spur, projects W.; desc. 20 ft. over NW. slope.
29.50	Base of descent, bears E. and W.; asc. 20 ft. over series of small spurs sloping W.
36.80	Ravine, drains W.; asc. 20 ft. over S. slope.
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) cut on solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W ¼ S35 | S36 1959
	Asc. 10 ft. over SW. slope.
41.00	Top of ascent on spur projecting W.; desc. 90 ft. over NW. slope.
46.00	Wash, 20 lks. wide, 3 ft. deep, drains S. 80° W.; asc. 100 ft. over ledgy S. slope.
52.80	Top of ascent on spur projecting W.
53.40	Trail road, bears E. and W.; desc. 40 ft. over N. slope.
58.40	Wash, 10 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 30 ft. over SW. slope.
64.80	Spur, projects W.; asc. 20 ft. over series of spurs projecting W.
80 00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W S26 | S25 S35 | S36 1959
	Land, mountainous. Soil, rocky and sandy loam. Timber, juniper and pinion.

From the cor. of secs. 25, 30, 31 and 36 on the E. bdy., an iron post, 2½ ins. diam., hereinbefore described.

Chains	
	S. 89° 57' W., bet. secs. 25 and 36.
	Over rolling and broken land, through medium dense timber; asc. 140 ft. over rolling E. slope.
.05	Unimproved road in bottom of wash, bears NE. and SW.; wash drains NE.
14.00	Top of ascent, bears N. and S.; desc. 70 ft. over rolling W. slope.
30.00	Small wash, drains N.; asc. 20 ft. over E. slope.
33.70	Top of ascent, bears N. and S.; desc. 30 ft. over W. slope; enter scattered timber, bears N. and S.
40.06	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W ¼ S25/S36 1959
	Desc. 40 ft. over W. slope.
42.60	Wash, 10 lks. wide, 2 ft. deep, drains N. 10° W.
45.50	Wash, 10 lks. wide, 2 ft. deep, drains N.; asc. 30 ft. over E. slope.
49.30	Small wash, drains N.; asc. 60 ft. over E. slope.
60.00	Ridge, bears N. and S.; desc. 70 ft. over W. slope.
71.10	Head of small ravine, drains NW.; asc. 20 ft. over NE. slope.
74.50	Spur, slopes NW.; desc. 40 ft. over W. slope.
80.12	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling. Soil, rocky and sandy loam. Timber, juniper and pinion.

	From the standard cor. of secs. 33 and 34, on the Fourth Standard Parallel South, an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over mountainous land, through scattered timber.
.20	Ravine, drains S. 10° E.; asc. 60 ft. over SW. slope.
4.40	Spur, projects S. 10° E.; asc. 110 ft. over SE. slope.
13.50	Top of ascent on spur projecting S. 70° E.; desc. 100 ft. over NE. slope.
18.80	Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 240 ft. over ledgy S. slope.
32.70	Top of nearly vertical ledge, 10 ft. high, bears E. and W.; asc. 30 ft. over S. slope.
36.80	Ravine, drains SE.; asc. 30 ft. over S. slope.

Chains	
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 bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W ¼ S33 | S34 1959
	Asc. 140 ft. over broken S. slope.
45.20	Top of nearly vertical ledge, 20 ft. high, bears SW. and N. 80° E.; asc. 60 ft. over S. slope.
47.50	Top of ascent on spur, bears S. 80° E.
54.60	Vertical ledge, 15 ft. high, bears E. and W.; desc. 440 ft. over N. slope.
75.70	Wash, 20 lks. wide, 2 ft. deep, drains N. 40° E.; asc. 30 ft. over SE. slope.
79.60	Point selected for the witness cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd. T20S R16W W.C S28 | S27 S33 | S34 1959
80.00	True point for the cor. of secs. 27, 28, 33 and 34 falls on ledgy SE. slope where cor. cannot be perpetuated.
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.

	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken land, through scattered timber; asc. 30 ft. over SE. slope.
6.60	Spur, projects SE.; desc. 140 ft. over NW. slope.
16.90	Wash, 30 lks. wide, 3 ft. deep, drains N. 20° W.; desc. 90 ft. along E. slope.
25.90	Wash, 30 lks. wide, 2 ft. deep, drains N. 70° E.
28.70	Wash, 20 lks. wide, 2 ft. deep, drains SE.
29.80	Asc. ledgy S. slope 110 ft.
36.60	Spur, projects E.; desc. 40 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

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Chains	
	T20S R16W ¼ S28 | S27 1959
	Desc. 20 ft. over NE. slope.
43.20	Ravine, drains E.; asc. 40 ft. over S. slope.
52.90	Spur, projects N. 70° E.; desc. 140 ft. over NW. slope.
58.20	Ravine, drains N. 70° E.; asc. 20 ft. over SE. slope.
61.50	Top of ascent; desc. 80 ft. over N. slope.
70.60	Wash, 20 lks. wide, 2 ft. deep, drains N. 80° E.; asc. 160 ft. over ledgy S. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W S21 | S22 S28 | S27 1959
	Cor. is located at the base of a ledge, 4 ft. high, bears E. and W.
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over broken land, through scattered timber, asc. 40 ft. over ledgy S. slope.
1.50	Spur, projects E.; desc. 270 ft. over steep NE. slope.
17.00	Wash, 30 lks. wide, 2 ft. deep, drains NE.; asc. 90 ft. over SE. slope.
22.90	Top of ascent, bears E.; desc. 90 ft. over NE. slope.
36.90	Top of rocky knob, 4 chs. diam.; desc. 90 ft. over 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., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W ¼ S21 | S22 1959
	Desc. 20 ft. over N. slope.
42.50	Graded road, bears S. 80° W. and N. 80° E.; desc. 20 ft. over N. slope.
44.60	Wash, 30 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 340 ft. over ledgy S. slope.

Chains	
61.30	Ridge, bears N. 70° W. and S. 70° E.; desc. 20 ft. over N. slope.
66.60	Ravine, drains N. 80° W.; desc. 110 ft. over N. slope.
68.40	Small spur, bears W.; desc. 20 ft. over N. slope.
69.20	Ravine, drains W.; asc. 90 ft. over SW. slope.
76.40	Ridge, bears S. 60° W. and N. 60° E.; desc. 20 ft. over NW. slope.
79.80	Ravine, drains S. 70° W.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W S16 | S15 S21 | S22 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over broken land, through scattered timber; asc. 60 ft. over S. slope.
6.50	Ridge, slopes irregularly W.; desc. 160 ft. over N. slope.
14.00	Wash, 60 lks. wide, 2 ft. deep, drains W.; asc. 70 ft. over S. slope.
26.00	Spur, projects W.; desc. 310 ft. over broken 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., 22 ins. in the ground in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	T20S R16W ¼ S16 | S15 1959
	Desc. 20 ft. over N. slope.
44.50	Ravine, drains N. 80° W.; asc. 30 ft. over S. slope.
47.60	Low ridge, slopes W.; thence over gently rolling land.
64.35	U. S. Highway Nos. 50 and 6, bears N. 74° 30' E. and S. 74° 30' W.; asc. 90 ft. over S. slope.
78.00	Top of small knob, 3.00 chs. diam.; desc. 10 ft. over 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., 5 ins. in the ground to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 20 S., R. 16 W

Chains	
	T20S R16W S 9 | S10 S16 | S15 1959
	Land, mountainous; gently rolling on N. 32.60 chs. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over broken land, through scattered timber; desc. 20 ft. over N. slope.
2.60	Ravine, drains E.
8.60	Ravine, drains E.; asc. 50 ft. over S. slope.
19.60	Ravine, drains SE.; asc. 230 ft. over S. slope.
36.00	Ridge, bears SE.; desc. 80 ft. over NE. slope.
40.00	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 bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W ¼ S 9 | S10 1959
	Desc. 80 ft. over NE. slope.
45.50	Wash, 20 lks. wide, 1 ft. deep, drains SE.; asc. 350 ft. over ledgy S. slope.
57.70	Ridge, bears S. 70° E.; desc. 100 ft. over NE. slope.
64.50	Ravine, drains SE.; asc. 40 ft. over S. slope.
67.10	Spur, projects S. 80° E.; desc. 120 ft. over ledgy N. slope.
70.90	Ravine, drains S. 80° E.; asc. 60 ft. over S. slope.
76.30	Spur, projects S. 80° E.; desc. 40 ft. over NE. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut on solid rock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W S4 | S3 S 9 | S10 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.

Survey of a Portion of the Subdivision of T. 20 S., R. 16 W.

Chains	
	N. 0° 10' W., bet. secs. 3 and 4.
	Over broken land, through scattered timber; asc. 100 ft. over SE. slope.
8.50	Ridge, projects S. 80° E.; desc. 90 ft. over NE. slope.
14.60	Ravine, drains S. 70° E.; asc. 230 ft. over S. slope.
25.50	Ridge, bears S. 80° E.; desc. 160 ft. over N. slope.
37.90	Wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 30 ft. over ledgy S. slope.
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) on solid rock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W ¼ S4 | S3 1959
	Asc. 120 ft. over ledgy S. slope.
45.50	Ridge, bears E.; desc. 110 ft. over ledgy N. slope.
49.20	Wash, 10 lks. wide, 3 ft. deep, drains S. 80° E.; asc. 130 ft. over ledgy SE. slope.
61.50	Ridge, bears S. 80° E.; desc. 20 ft. over N. slope.
62.90	Ravine, drains S. 80° E.; desc. 20 ft. over N. slope.
66.20	Small ridge, bears S. 80° E.; desc. 70 ft. over N. slope.
71.70	Wash, 20 lks. wide, 2 ft. deep, drains N. 80° E.; asc. 110 ft. over ledgy SE. slope.
77.60	Spur, projects E.; desc. 30 ft. over NE. slope.
80.17	True point for the cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.

	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over mountainous land, through scattered timber; desc. 90 ft. over SE. slope.
4.90	Ravine, drains W.; asc. 280 ft. over steep NE. slope.
19.30	Spur, slopes E.; desc. 310 ft. over broken SE. slope.
38.60	Ridge, bears SE.; desc. 30 ft. over S. slope.
40.12	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 20 S., R. 16 W.

Chains	
	T20S R16W ¼ S3 | S2 1959
	Desc. 130 ft. over steep S. slope.
43.10	Ravine, drains SE.; asc. 20 ft. over NE. slope.
46.70	Spur, slopes SE.; desc. 50 ft. over SE. slope.
50.60	Ravine, drains SE.; asc. 40 ft. over NE. slope.
54.70	Top of ascent on E. slope; desc. 170 ft. over SE. slope.
65.80	Ravine, drains SE.; asc. 20 ft. over NE. slope.
71.60	Spur, projects E.; desc. 30 ft. over SE. slope.
75.50	Ridge, bears S. 30° E.; desc. 70 ft. over SE. slope.
80.12	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W S3 | S2 S10 | S11 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	From the cor. of secs. 2, 3, 10 and 11.
	N. 89° 57' E., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10 as specified in the special instructions.
	Over rolling land, through scattered timber.
4.00	Ridge, bears S. 30° E.; desc. 90 ft. over E. slope.
11.10	Ravine, drains SE.; thence over rolling S. slope.
21.90	Main wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 80 ft. over W. slope.
27.30	Ridge, bears S. 20° E.; desc. 160 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W ¼ S 2 S11 1959
40.30	Wash, 30 lks. wide, 3 ft. deep, drains S. 3.00 chs., thence E.; asc. 40 ft. over SW. slope.

Chains	
43.20	Top of ascent on S. slope; desc. 90 ft. over SE. slope.
51.00	Base of descent, bears S.; asc. 50 ft. over SW. slope.
56.50	Spur, slopes S.; desc. 70 ft. over SE. slope.
59.80	Ravine, drains S.; asc. 130 ft. over SW. slope.
66.20	Spur, slopes S. 20° E.; desc. 120 ft. over E. slope.
71.70	Ravine, drains S. 20° E.; asc. 200 ft. over steep SW. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W S2 | S1 S11 | S12 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper.

	N. 0° 03' E., bet. secs. 1 and 2.
	Over mountainous land, through scattered timber; asc. 200 ft. over SW. slope.
15.90	Ridge, bears E.; desc. 100 ft. over N. slope.
23.60	Ravine, drains S. 80° E.; asc. 220 ft. over SW. slope.
39.80	Ridge, bears SE.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T20S R16W ¼ S2 | S1 1959
	Thence by triangulation, desc. about 300 ft. over N. slope.
57.00	Ravine, drains E.; asc. about 50 ft. over S. slope.
61.00	Spur, slopes SE.; desc. about 50 ft. over NE. slope.
65.00	Wash, 30 lks. wide, 3 ft. deep, drains SE.; asc. about 200 ft. over SW. slope.
72.00	Spur, slopes W.; desc. about 50 ft. over NW. slope.
76.00	Ravine, drains W.; asc. about 100 ft. over SW. slope.
80.14	End of triangulation; the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.
	Land, mountainous. Soil, rocky, sandy and clay; timber, juniper and pinion.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over mountainous land, through scattered timber; desc. 50 ft. over SW. slope..
6.80	Ravine, drains SW.; asc. 40 ft. over E. slope.
11.30	Spur, projects S. 10° W.; desc. 400 ft. over ledgy SW. slope.
38.00	Base of steep descent, bears NW. and SE.; thence over nearly level land.
39.20	Graded road, bears NW. and SE.
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.
	T20S R16W ¼ S16/S21 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
42.90	Wash, 60 lks. wide, 2 ft. deep, drains NW.
45.40	Ravine, drains N. 1.00 ch. to above wash; asc. 210 ft. over ledgy NE. slope.
55.40	Spur, slopes sharply N.; desc. 150 ft. over broken NW. slope.
62.00	Ravine, drains N.; asc. 70 ft. over broken E. slope.
65.60	Spur, projects N.; desc. 200 ft. over ledgy W. slope.
72.50	Wash, 20 lks. wide, 2 ft. deep, drains NW.
75.30	Same wash, drains SW.
77.30	Same wash, drains NW.; asc. 40 ft. over broken NE. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T20S R16W S17 | S16 S20 | S21 1959
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling land, through scattered timber; desc. 90 ft. over N. slope.
5.10	Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 70 ft. over SW. slope.

Chains	
19.40	Wash, 80 lks. wide, 2 ft. deep, drains SW.; asc. 100 ft. over SE. slope.
36.90	Ridge, bears SW.; desc. 10 ft. along W. slope.
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 bedrock, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

T20S R16W
¼
S17 | S16
1959

Desc. 40 ft. along W. slope.

52.00	Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft. over S. slope
55.20	U. S. Highway Nos. 50 and 6, bears N. 77° W. and S. 77° E.
61.00	Wash, 30 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft. over SE. slope.
70.30	Begin ascent over ledgy SE. slope; asc. 200 ft.
78.40	Top of ascent on E. slope; desc. 10 ft. over NE. slope.
80.00	True point for the cor. of secs. 8, 9, 16 and 17 falls on ledge where cor. cannot be perpetuated.

Point selected for the witness cor. bears N. 89° 54' E., 0.44 chs.

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

T20S R16W
W 8 | 9
C S17 | S16
1959

Land, low mountains.
Soil, rocky, sandy and clay.
Timber, scattered juniper and pinion.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 54' W., bet. secs. 9 and 16.

Over rolling mountainous land, through scattered timber; asc. 10 ft. over gentle E. slope.

4.40	Top of ascent on S. slope; desc. 30 ft. over W. slope.
9.90	Wash, 20 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 40 ft. over gentle SE. slope.
14.00	Begin ascent over steeper SE. slope; asc. 140 ft.
33.10	Top of ascent on S. slope; desc. 100 ft. over broken SW. slope.
40.00	True point for the ¼ sec. cor. of secs. 9 and 16 falls in wash, 30 lks wide, 2 ft. deep, drains S., where cor. cannot be perpetuated.

Survey of a Portion of the Subdivision of T. 20 S., R. 16 W.

Chains	
40.80	Point selected for the witness ¼ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W ¼ S 9 W S16 C 1959
	Asc, 190 ft. over broken E. slope.
44.50	Ridge, bears S. 20° W.; desc. 400 ft. over broken NW. slope.
68.20	Wash, 10 lks. wide, 2 ft. deep, drains S. 70° W.; desc. 20 ft. over W. slope,
72.00	Main wash, 30 lks. wide, 2 ft. deep, drains S.; asc. 170 ft. over broken NE. slope.
79.56	The witness cor. of secs. 8, 9, 16 and 17 hereinbefore described.
80.00	True point for the cor. of secs. 8, 9, 16 and 17.
	Land, mountainous. Soil, rocky, sandy and clay. Timber, juniper and pinion.
	From the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp., (Fourth Standard Parallel South), an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over broken land, through scattered timber; asc. 15 ft. over S. slope,
1.20	Top of ascent, bears W.; desc. 30 ft. over W. slope.
4.10	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 380 ft. over ledgy S. slope.
16.20	Slope changes to SW.; asc. 90 ft.
25.80	Spur, projects W.; desc. 130 ft. over NW. slope.
38.20	Point selected for the witness ¼ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T20S R16W ¼ W C S32 S33 1959
38.40	By triangulation; rim of small canyon, bears E. and W.; desc. about 100 ft. over ledgy N. slope.
40.00	True point for the ¼ sec. cor. of secs. 32 and 33 falls on ledgy N. slope where cor. cannot be perpetuated.

Chains	
	Desc. about 100 ft. over ledgy W. slope.
45.00	Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. about 200 ft. over SW. slope.
55.80	Spur, projects W.; desc. about 150 ft. over N. slope.
61.00	Wash, 10 lks. wide, 2 ft. deep, drains W.; asc. about 130 ft. over S. slope.
66.90	End of triangulation; spur, projects W.; desc. 40 ft. over N. slope.
72.90	Rim of canyon, bears N. 80° W. and S. 80° E.; desc. 250 ft. over ledgy N. slope.
78.40	Wash, 40 lks. wide, 4 ft. deep, drains N. 80° W.; asc. 50 ft. over 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., 4 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T20S R16W

S29	S28
S32	S33

1959

Land, mountainous.
Soil, rocky and sandy loam.
Timber, juniper and pinion.

From the standard cor. of secs. 31 and 32 on the S. bdy. of the Tp. (Fourth Standard Parallel South), an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over gently rolling land draining W.

2.40	Wash, 30 lks. wide, 1 ft. deep, drains S. 70° W.; asc. 40 ft. over SW. slope.
10.60	Wash, 1.00 ch. wide, 1 ft. deep, drains W.
16.50	Trail road, bears E. and W.
18.50	Small wash, drains W.
24.50	Begin descent over N. slope; desc. 50 ft.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

T20S R16W

	¼
S31	S32

1959

Desc. 10 ft. over NW. slope.

Survey of a Portion of the Subdivision of T. 20 S., R. 16 W.

Chains	
42.10	Wash, 20 lks. wide, 1 ft. deep, drains W.; asc. 20 ft. over S. slope.
59.00	Low ridge, projects W.; desc. 10 ft. along NW. slope.
73.90	Small wash, drains W.
78.40	Small wash, drains 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 to bedrock, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T20S R16W S30 | S29 S31 | S32 1959
	Land, rolling. Soil, rocky and sandy loam. Timber, none.
	From the cor. of secs. 28, 29, 32 and 33.
	West, bet. secs. 29 and 32.
	Over broken land, through scattered timber; desc. 50 ft. over SW. slope.
3.00	Wash, 40 lks. wide, 4 ft. deep, drains N. 80° W.; desc. 170 ft. over NW. slope.
17.50	Top of ledge, 130 ft. high, bears N. 10° W. and S. 10° E.; desc. 180 ft. over ledgy W. slope.
19.00	Base of steep descent, bears N. and S.
31.00	Along N. slope of small knob; desc. 60 ft. over SW. slope.
40.03	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T20S R16W ¼ S29 S32 1959
	Desc. 150 ft. over W. slope.
80.06	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous 20.00 chs., rolling 60.00 chs. Soil, rocky 20.00 chs., gravelly and sandy 60.00 chs. Timber, juniper and pinion 20.00 chs., none 60.00 chs.

Township 20 South, Range 16 West

Chains

GENERAL DESCRIPTION

The land within this township is mountainous and rolling desert. The elevation varies from 5400 feet above sea level on the desert to 8000 feet on the higher mountains. The mountain range bears northerly through the area. The western slopes drain southwest and the eastern slopes drain east.

The soil varies from gravelly, sand and clay on the desert to rocky, sand and clay on the mountains.

Principal users of the area are sheepmen, and access into the township is provided by U. S. Highway Nos. 50 and 6 and desert roads. The surveyed lines cross U. S. Highways Nos. 50 and 6 between secti 7 and 12 on the east boundary and between sections 15 and 16, 16 and 17 and 7 an 12 on the west boundary.

Access into the survey lines was partially provided by helicopters.

No mineral formations of consequence were noted during the survey.

U. S. GOVERNMENT PRINTING OFFICE 16—28830-2

4-680
Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Notekeeper
Olaf M. Shakespeare	Chainman
Wallace R. Ott	Flagman
Jerry Lee Thomas	Axeman
Clarence N. Carleton	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 4th day of August, 1954; I have ~~xxxxxxx~~ supervised the survey of the east and north boundaries and a portion of the subdivision of T. 20 S., R. 16 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been ~~xxxxxxx~~ supervised 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 28, 1960

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, *19*

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision of T. 20 S., R. 16 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor and Eldon W. Sibley, Cartographic Survey Aid, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Part having been critically examined and found correct, are hereby approved.

Clark F. Gumm

Acting *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—63165-8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF THE

EAST AND NORTH BOUNDARIES

AND

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 17 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

der special instructions dated August 4, *1954, which provided*

the surveys included under Group No. 407, *approved* September 7, 1954

l assignment instructions dated May 1, *19* 59

Survey commenced May 18, *19* 59

Survey completed June 2, *19* 59

INDEX DIAGRAM

Township 20 South , *Range* 17 West

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GPO 866119

Township 20 South, Range 17 West

Chains

The south boundary which is the Fourth Standard Parallel South, was resurveyed by Gentry and Yundt in 1924. The west boundary was resurveyed concurrently and is described in the field notes of T. 20 S., R. 18 W.

The following field notes are those of the survey of the east boundary, the north boundary, and a portion of the subdivision of T. 20 S., R. 17 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted fr[illegible] these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 01' 06.8" and longitude 113° 41' 46.6" as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the East Boundary of T. 20 S., R. 17 W.

Beginning at the Standard Cor. of T. 20 S., Rs. 16 and 17 W., an iron post, 3 ins. diam., firmly set, mkd., and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over rolling land; desc. 10 ft. over N. slope.

0.50 Small ravine, drains E.; desc. 50 ft. over NE. slope.

Survey, E.Bdy., T. 20 S., R. 17 West

6.10	Base of descent, bears SE. and W.; thence along gently rolling W. slope.
20.10	Trail road, bears N. 80° W. and S. 80° E.
30.40	Trail road, bears S. 10° E. and N. 10° W.
38.70	Wash, 10 lks. wide, 1 ft. deep, drains W.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a mound of stone to top, 2 ft. base, with brass cap mkd.
	T20S R17W R16W ¼ S36 | S31 1959
	Cont. over gently rolling W. slope.
57.00	Trail road, bears S. 10° E. and N. 10° W.
67.70	Wash, 40 lks. wide, 2 ft. deep, drains S. 70° W.
75.70	Trail road, bears S. 50° W. and N. 60° E.
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 and in a collar of stone, with brass cap mkd.
	T20S R17W | R16W S25 | S30 S36 | S31 1959
	No other accessories available.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.

	North, bet. secs. 25 and 30.
	Over gently rolling land.
6.80	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° W.; asc. 30 ft. over gently rolling SW. slope.
33.20	Wash, 40 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 20 ft. over S. slope.
40.00	Point for the 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.
	T20S R17W R16W ¼ S25 | S30 1959
	No available accessories.

Chains	
40.50	Trail road, bears SW. and NE.
41.80	Wash, 20 lks. wide, 1 ft. deep, drains S. 60° W.; asc. 20 ft. over SW. slope.
54.90	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° W.
61.60	Wash, 10 lks. wide, 1 ft. deep, drains W.
65.40	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° W.
71.70	Wash, 30 lks. wide, 1 ft. deep, drains W.; asc. 10 ft. over S. slope.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R17W | R16W S24 | S19 S25 | S30 1959
	No available accessories.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	North, bet. secs. 19 and 24.
	Over gently rolling W. slope; asc. 50 ft. to ¼ sec. cor.
4.20	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° W.
13.10	Wash, 40 lks. wide, 2 ft. deep, drains S. 80° W.
24.40	Wash, 20 lks. wide, 1 ft. deep, drains W.
29.70	Wash, 30 lks. wide, 2 feet deep, drains S. 80° W.
36.10	Wash, 30 lks. wide, 1 ft. deep, drains S. 80° W.
40.00	Point for the ¼ sec. 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.
	T20S R17W R16W ¼ S24 | S19 1959
	No available accessories.
	Cont. over gently rolling land.
62.00	Wash, 20 lks. wide, 1 ft. deep, drains W.
73.50	Wash, 20 lks. wide, 1 ft. deep, drains W.
78.10	Main wash, 1.00 ch. wide, 3 ft. deep, drains S. 10° W.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.

Surve", E. Bdy., T. 20 S., R. 17 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R17W R16W S13 | S18 S24 | S19 1959
	No available accessories.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	North, bet. secs. 13 and 18.
	Over rolling land; along W. bank of wash.
12.00	Leave wash, bears NE., drains S.; asc. 20 ft. over SE. slope.
18.80	Wash, 20 lks. wide, 3 ft. deep, drains S. 80° E.; asc. 30 ft. over SE. slope.
36.10	Wash, 10 lks. wide, 2 ft. deep, drains SE.; asc. 30 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R17W R16W ¼ S13 | S18 1959
	Asc. 140 ft. over SE. slope.
52.60	Top of ascent, bears E. and W.; desc. 90 ft. over N. slope.
57.70	Base of descent, bears E. and W.; asc. 10 ft. over rolling S. slope.
74.60	Top of ascent, bears E. and W.; desc. 20 ft. over N. slope.
78.30	Wash, 10 lks. wide, 1 ft. deep, drains S. 70° W.; asc. 10 ft. over S. slope.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R17W R16W S12 | S 7 S13 | S18 1959
	Land, rolling. Soil, rocky and sandy loam. Timber, scattering juniper.

Chains	
	North, bet. secs. 7 and 12.
	Over rolling and broken land; through scattered timber; asc. 20 ft. over S. slope.
4.20	Top of ascent; spur, projects E.; desc. 30 ft. over N. slope.
13.20	U. S. Highway 50 & 6, bears E. and W.; asc. 70 ft. over S. slope.
24.10	Top of ascent; spur, projects S. 20° E.; asc. 30 ft. over rolling S. slope.
33.30	Low ridge, bears E. and W.; desc. 60 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R17W R16W ¼ S12 | S 7 1959
	Desc. 20 ft. over N. slope.
44.90	Main wash, 40 lks. wide, 2 ft. deep, drains SW.; asc. 180 ft. over SE. slope.
54.10	Top of ascent; spur, projects N. 70° E.; desc. 30 ft. over NW. slope.
58.00	Small ravine, drains NE.; asc. 40 ft. over SE. slope.
63.80	Spur, slopes SE.; desc. 20 ft. over NE. slope.
65.90	Ravine, 20 lks. wide, 2 ft. deep, drains S. 40° E.; asc. 30 ft. over S. slope.
68.20	Low ridge, bears E. and W.; desc. 20 ft. over NW. slope.
70.40	Ravine, 20 lks. wide, 2 ft. deep, drains N. 70° E.; asc. 50 ft. over SE. slope.
80.00	Point for the cor. of secs. 1, 6, 7 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R17W | R16W S 1 | S 6 S12 | S 7 1959
	Land, rolling and broken. Soil, rocky and sandy loam. Timber, scattered juniper.

	North, bet. secs. 1 and 6.
	Over broken land, through scattered timber; asc. 30 ft. over SE. slope.
1.50	Spur, projects E.; desc. 30 ft. over NE. slope.

Survey E Bdy. T. 20 S. R. 17 W

Chains	
5.60	Main wash, 30 lks. wide, 2 ft. deep, drains SE.; asc. 130 ft. over S. slope.
10.90	Ridge, bears E. and W.; desc. 150 ft. over steep N. slope.
16.30	Base of steep descent, bears E. and W.; desc. 100 ft. over NW. slope.
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.
	T20S R17W R16W ¼ S 1 | S 6 1959
	No available accessories.
	Desc. 10 ft. over gently rolling NW. slope.
46.80	Wash, 50 lks. wide, 1 ft. deep, drains W.; thence over gently rolling land.
71.40	Wash, 30 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 20 ft. over SW. slope.
80.00	Point for the cor. of Tps. 19 and 20 S., Rs. 16 and 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R17W R16W S36 | S31 S 1 | S 6 T20S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor.
	Land, broken and rolling, first half; gently rolling, second half. Soil, rocky and sandy loam, first half; gravelly and sandy loam, second half. Timber, scattered juniper, first half; none, second half.

Survey of the North Boundary of T. 20 S., R. 17 W.

	From the cor. of Tps. 19 and 20 S., Rs. 16 and 17 W., heretofore described.
	West, bet. secs. 1 and 36.
	Over gently rolling SW. slope; desc. 20 ft.
16.00	Base of descent; bears N. and S.; thence over nearly level land.
31.80	Trail road, bears NW. and S. 20° E.; asc. 20 ft. over E. slope.
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.

Survey, N. Bdy., T. 20 S., R. 17 W.

Chains	
	T19S R17W ¼ S36 S 1 T20S 1959
	No available accessories.
	Asc. 15 ft. over gently rolling E. slope.
54.00	Slope changes to SE. slope.; asc. 60 ft.
64.00	Small spur, slopes SE.; desc. 10 ft. over SW. slope.
67.10	Small ravine, drains S. 70° E.; asc. 130 ft. over SE. slope.
78.90	Spur, slopes S. 20° E.; desc. 10 ft. along S. slope.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R17W S35 | S36 S 2 | S 1 T20S 1959
	From this cor. U.S.C.&G.S. station, bears N. 50° 13' W., 9.93 chs., a brass tablet, seated in sandstone, mkd. HIGH 1957.
	Land, gently rolling to rolling. Soil, gravelly and sandy loam 60 chs., rocky and sandy loam 20 chs. Timber, none.
	West, bet. secs. 2 and 35.
	Over broken land; along S. slope.
2.10	Ravine, drains S. 60° E.; asc. 150 ft. over ledgy E. slope.
8.10	Spur, projects S. 10° E.; 2.50 chs. dist.; desc. 190 ft. over steep ledgy W. slope.
15.00	Base of steep descent, bears N. and S.; desc. 120 ft. over rolling W. slope.
22.30	Wash, 20 lks. wide, 1 ft. deep, drains S.; asc. 100 ft. over E. slope.
33.70	Spur, projects S. 60° E.; desc. 200 ft. over broken SW. slope.
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 and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R17W ¼ S35 S 2 T20S 1959
	Desc. 20 ft. over SW. slope.

Survey, N. Bdy., T. 20 S. R. 17 W.

Chains	
41.90	Ravine, drains S. 10° E.; asc. 60 ft. over ledgy NE. slope.
46.50	Ridge, bears SW. and NE.; desc. 10 ft. along N. slope.
52.90	Spur, projects N.; desc. 160 ft. over NW. slope.
59.70	Wash, drains S. 30° W.; thence over nearly level land.
66.60	Ravine, drains S. 20° W.; asc. 80 ft. over rocky SE. slope.
75.70	Spur, slopes S. 10° W.; desc. 100 ft. over SW. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R17W S34 | S35 S 3 | S 2 T20S 1959
	Land, broken, low mountainous. Soil, rocky and sandy loam. Timber, none.

	West, bet. secs. 3 and 34.
	Over rolling land; desc. 90 ft. over SW. slope.
13.00	Base of descent, bears NE. and SW.; thence over nearly level land.
24.00	Begin descent over W. slope; desc. 40 ft.
29.50	Wash, 1.00 ch. wide, 2 ft. deep, drains S. 20° W.; asc. 30 ft. over E. slope.
36.00	Top of ascent, bears S. 20° W. and N. 20° E.; thence over nearly level land.
37.20	Graded road, bears N. 14° E. and S. 14° W.
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.
	T19S R17W ¼ S34 S 3 T20S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
	Desc. 10 ft. over gently rolling W. slope.
59.40	Wash, 20 lks. wide, 2 ft. deep, drains S. 10° W.; desc. 10 ft. over gradual W. slope.
75.00	Wash, 20 lks. wide, 2 ft. deep, drains S. 20° W.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Chains	
	T19S R17W S33 | S34 S 4 | S 3 T20S 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling, first half; gently rolling, second half. Soil, gravelly and sandy loam. Timber, none.
	West, bet. secs. 4 and 33.
	Over gently rolling land.
3.10	Wash, 10 lks. wide, 1 ft. deep, drains S.
31.00	Wash, 20 lks. wide, 1 ft. deep, drains S. 20° W.
38.40	Wash, 20 lks. wide, 1 ft. deep, drains S. 10° E.
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.
	T19S R17W ¼ S33 S 4 T20S 1959
	No available accessories.
	Desc. 10 ft. over W. slope.
47.60	Wash, 40 lks. wide, 3 ft. deep, drains S.; desc. 50 ft. over gentle SW. slope.
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.
	T19S R17W S32 | S33 S 5 | S 4 T20S 1959
	No available accessories.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	West, bet. secs. 5 and 32.
	Over gently rolling land; desc. 10 ft. over SW. slope.
10.30	Main wash, 1.50 chs. wide, 3 ft. deep, drains S. 10° E.; asc. 40 ft. over gentle E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.

Survey, N. Bdy., T. 20 S., R. 17 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R17W ¼ S32 / S 5 T20S 1959
	No available accessories.
40.70	Wash, 10 lks. wide, 1 ft. deep, drains S. 20° E.; asc. 90 ft. over gently rolling E. slope.
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. T19S R17W S31 | S32 S 6 | S 5 T20S 1959
	No available accessories.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	West, bet. secs. 6 and 31.
	Over low mountainous land; asc. 150 ft. over E. slope.
18.20	Ridge, bears N. and S.; desc. 70 ft. over W. slope.
27.60	Ravine, drains S. 10° E.; asc. 10 ft. over gentle E. slope.
34.90	Trail road, bears N. and S. 20° W.
37.50	Wash, 20 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 10 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. T19S R17W ¼ S31 / S 6 T20S 1959
	No available accessories.
41.80	Small wash, drains SE.; asc. 60 ft. over NE. slope.
57.90	Small ravine, drains NE., 1.50 chs. dist., thence E.; asc. 160 ft. over E. slope.
67.40	Ridge, bears N. 10° W. and S. 10° E.; desc. 20 ft. over broken S. slope.
76.60	Ravine, drains SE.; asc. 40 ft. over NE. slope.
79.80	Top of ascent on N. slope.

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Survey, N. Bdy., T. 20 S., R. 17 W.

Chains	
80.00	Point for the 1/16 cor. of secs. 6 and 31 Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone, to top, 3 ft. base, with brass cap mkd. T19S R17W 1/16 S31 / S 6 T20S 1959 Desc. 20 ft. over W. slope.
80.60	Small ravine, 2.00 chs. from head, drains N. 80° E.; asc. 30 ft. over E. slope.
83.00	Low ridge, bears N. 10° W. and S. 10° E.; desc. 20 ft. over W. slope.
86.00	Trail road, in small wash draining S., bears N. and S.; asc. 30 ft. over E. slope.
96.70	Wash, 20 lks. wide, 1 ft. deep, drains S. 80° E.; asc. 10 ft. over E. slope.
99.13	The cor. of Tps. 19 and 20 S., R. 17 W., an iron post, 2½ ins. diam., set, mkd., and witnessed as described in the field notes of the concurrent survey of T. 19 S., R. 18 W. Land, low, mountainous. Soil, rocky and sandy loam. Timber, none.

Portion of the Subdivision of T. 20 S., R. 17 W.

	From the standard cor. of secs. 35 and 36, the Fourth Standard Parallel South, an iron post, 2 ins. diam., firmly set, mkd., and witnessed as described in the official record. N. 0° 01' W., bet. secs. 35 and 36. Over gently rolling W. slope.
4.70	Wash, 50 lks. wide, 2 ft. deep, drains S. 80° W.
14.50	Wash, 10 lks. wide, 1 ft. deep, drains S. 60° W.
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. T20S R17W ¼ S35 | S36 1959 Bury broken glass at the base of post.
73.20	Wash, 4.00 chs. wide, 2 ft. deep, drains S. 80° W.
76.80	Wash, 20 lks. wide, 2 ft. deep, drains 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.

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	T20S R17W S26 | S25 S35 | S36 1959
	No available accessories.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp. heretofore described.
	N. 89° 59' W., bet. secs. 25 and 36.
	Over gently rolling SW. slope; desc. 10 ft.
7.00	Wash, 20 lks. wide, 2 ft. deep, drains S. 10° W.
8.30	Trail road, bears N. 10° W. and S. 10° E.
10.30	Trail road, bears N. 10° W. and S. 10° E.; desc. 20 ft. over gently rolling W. slope.
19.90	Trail road, bears NE. and SW.; desc. 20 ft. over gently rolling W. slope.
39.96	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T20S R17W ¼ S25 S36 1959
42.30	Wash, 4.00 chs. wide, 2 ft. deep, drains S. 70° W.; desc. 40 ft. over gently rolling W. slope.
79.92	The cor. of secs. 25, 26, 35 and 36.
	Land, gently rolling. Soil, gravelly and sandy loam. Timber, none.
	From the standard cor. of secs. 33 and 34, on the Fourth Standard Parallel South, an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over nearly level land, draining S.; asc. 30 ft.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R17W ¼ S33 | S34 1959
	No available accessories.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Chains	
	Asc. 20 ft. over gentle S. slope.
46.70	Begin ascent over steep SE. slope; asc. 160 ft.
53.90	Top of ascent on isolated hill, bears S. 10° W. and E.; desc. 70 ft. over N. slope.
60.70	Spur, projects NE.; desc. 80 ft. over steep N. slope.
62.70	Base of steep descent, bears E. and W.; thence over nearly level land.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R17W S28 | S27 S33 | S34 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, nearly level, 60.00 chs.; broken, 20.00 chs. Soil, gravelly, sandy, and clay except 20.00 chs. of rocky land. Timber, none.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over rolling land; asc. 60 ft. over S. slope.
19.70	Low ridge, bears S. 70° E. and N. 70° W.; desc. 40 ft. over N. slope.
27.50	Base of descent, bears E. and W.; asc. 10 ft. over 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., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T20S R17W ¼ S28 | S27 1959
	Asc. 30 ft. over gradual S. slope.
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, and in a collar of stone, with brass cap mkd.
	T20S R17W S21 | S22 S28 | S27 1959
	Land, rolling, 40.00 chs.; nearly level, 40.00 chs. Soil, gravelly, sandy, and clay. Timber, none.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over gradual S. slope; asc. 30 ft.

Portion of the Subdivision of T. 20 S. R. 17 W.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R17W ¼ S21 | S22 1959 Deposit broken glass at the base of post. Asc. 20 ft. over gradual S. slope.
69.30	Wash, 40 lks. wide, 1 ft. deep, drains S. 20° W.
77.10	Wash, 20 lks. wide, 1 ft. deep, drains S. 10° E.
78.20	U. S. Highway 50 and 6, bears N. 65° 30' E. and S. 65° 30' W.
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 and in a collar of stone, with brass cap mkd. T20S R17W S16 | S15 S21 | S22 1959 Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.

N. 0° 02' W., bet. secs. 15 and 16.

Over slight S. slope; asc. 30 ft.

40.00	Point for the ¼ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd. T20S R17W ¼ S16 | S15 1959 Red water storage tank, at Little Valley Well, bears N. 33° 59' W. Asc. 30 ft. over gradual S. slope.
71.20	Graded road, bears N. 14° E. and S. 14° W.; asc. 10 ft. over gradual S. slope.
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. T20S R17W S 9 | S10 S16 | S15 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. Red water storage tank, at Little Valley Well, bears N. 59° 36' W.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Chains	
	Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over nearly level land; asc. 10 ft. over S. slope.
9.00	Graded road, to Little Valley Well, bears N. 80° W. and E., 1.00 ch. to junction of N.-S. road; asc. 30 ft. over gradual S. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd. T20S R17W ¼ S 9 | S10 1959
	Red water storage tank, at Little Valley Well, bears S. 72° 46' W.
	Asc. 30 ft. over gradual S. slope.
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. T20S R17W S 4 | S 3 S 9 | S10 1959
	Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.
	N. 0° 20' W., bet. secs. 3 and 4.
	Over nearly level land; asc. 30 ft. over gradual SW. slope.
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 and in a collar of stone, with brass cap mkd. T20S R17W ¼ S 4 | S 3 1959
44.30	Wash, 30 lks. wide, 1 ft. deep, drains SW.
61.10	Wash, 50 lks. wide, 4 ft. deep, drains S. 20° W.
76.40	Wash, 30 lks. wide, 1 ft. deep, drains S. 20° W.
79.89	The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.
	Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over rolling land; desc. 70 ft. over rocky SW. slope.
7.80	Base of descent, bears W.; asc. 10 ft. over NW. slope.
23.20	Low ridge, bears W.; desc. 30 ft. over gradual SW. slope.
39.93	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 mkd.
	T20S R17W ¼ S 3 | S 2 1959
	No available accessories.
40.80	Wash, 20 lks. wide, 2 ft. deep, drains S. 70° W.; desc. 60 ft. over gradual SW. slope.
79.93	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R17W S 3 | S 2 S10 | S11 1959
	Land, rolling. Soil, gravelly, sandy, and clay. Timber, none.
	From the cor. of secs. 2, 3, 10 and 11.
	S. 89° 58' E., bet. secs. 2 and 11 on a theoretical parallel connecting the cor. of secs. 1, 6, 7 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.
	Over rolling land, through scattering timber.
3.70	Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 10 ft. over SW. slope.
11.30	Wash, 10 lks. wide, 2 ft. deep, drains SW.; asc. 20 ft. over gradual SW. slope.
23.80	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 30 ft. over gradual SW. slope.
40.00	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.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	T20S R17W ¼ S 2 S11 1959
	No available accessories.
	Asc. 30 ft. over SW. slope.
57.70	Wash, 10 lks. wide, 2 ft. deep, drains S., 4.00 chs., thence S. 70° W.; asc. 70 ft. over SW. slope.
69.70	Top of ascent on S. slope; desc. 60 ft. over SE. slope.
76.80	Main wash, 40 lks. wide, 2 ft. deep, drains S. 80° W.; asc. 10 ft. over W. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R17W S 2 | S 1 S11 | S12 1959
	Land, rolling. Soil, gravelly, sandy, and clay, 60.00 chs.; rock and clay, 20.00 chs. Timber, scattering juniper.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 0° 01' W., bet. secs. 1 and 2.
	Over mountainous land, through scattering timber.
1.50	Main wash, 40 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 250 ft. over steep ledgy S. slope.
8.20	Top of ledges, bears E. and W.; asc. 30 ft. over broken SE. slope.
14.00	Top of ascent on E. slope; desc. 170 ft. over ledgy NE. slope.
20.90	Ravine, drains E.; asc. 70 ft. over S. slope.
25.00	Top of ascent on E. slope; desc. 60 ft. over NE. slope.
28.20	Ravine, drains S. 70° E.; asc. 70 ft. over S. slope.
30.60	Spur, slopes E.; desc. 40 ft. over N. slope.
32.80	Ravine, drains E.; asc. 20 ft. over SE. slope.
34.90	Spur, slopes SE.; desc. 10 ft. over NE. slope.
38.00	Ravine, drains SE.; asc. 40 ft. over broken SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	T20S R17W ¼ S 2 | S 1 1959
	Asc. 190 ft. over steep SW. slope.
48.30	Spur, projects SE.; asc. 40 ft. over SE. slope.
54.10	Spur, slopes E.; desc. 100 ft. over NE. slope.
61.00	Ravine, drains E.; asc. 90 ft. over SE. slope.
69.10	Spur, projects E.; desc. 90 ft. over N. slope.
74.80	Ravine, drains E.; asc. 50 ft. over S. slope.
80.05	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.
	Land, mountainous. Soil, rocky, sandy, and clay. Timber, scattered juniper.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over nearly level land, draining SW.
1.30	Wash, 10 lks. wide, 2 ft. deep, drains S.
17.70	Graded road, bears N. 14° E. and S. 14° W.
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.
	T20S R17W ¼ S16 S21 1959
	No available accessories.
51.50	Wash, 60 lks. wide, 3 ft. deep, drains S. 10° W.
65.50	Wash, 10 lks. wide, 1 ft. deep, drains S.
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.
	T20S R17W S17 | S16 S20 | S21 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.

U. S. GOVERNMENT PRINTING OFFICE 16—28530-2

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	From the cor. of secs. 16, 17, 20 and 21.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over gently rolling land, draining SW.; asc. 30 ft.
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 and in a collar of stone, with brass cap mkd.
	T20S R17W ¼ S17 | S16 1959
62.00	Wash, 10 lks. wide, 1 ft. deep, drains S. 20° W.
76.50	Trail road, bears NE. and SW.
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.
	T20S R17W S 8 | S 9 S17 | S16 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.
	Red water storage tank, at Little Valley Well, bears N. 53° 30' E.
	Land, nearly level. Soil, gravelly, sandy, and clay. Timber, none.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16, over gently rolling land draining S.
22.30	Wash, drains S.
34.20	Wash, drains S.
40.00	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.
	T20S R17W ¼ S 9 S16 1959
	Raise a mound of stone, 2½ ft. base, 2 ft. high, N. of cor.
	Red water storage tank, at Little Valley Well, bears N. 10° 00' W., 26.59 chs. dist.
51.30	Wash, 1.00 ch. wide, 3 ft. deep, drains S.
65.80	Wash, 50 lks. wide, 3 ft. deep, drains S.
75.00	Trail road, bears NE. and SW.
80.00	The cor. of secs. 8, 9, 16 and 17.

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains

Land, gently rolling.
Soil, gravelly, sandy, and clay.
Timber, none.

From the standard cor. of secs. 32 and 33, on the Fourth Standard Parallel South, an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over nearly level land, draining S.; asc. 30 ft.

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 and in a collar of stone, with brass cap mkd.

T20S R17W
¼
S32 | S33
1959

Asc. 30 ft. over 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., 24 ins. in the ground, with brass cap mkd.

T20S R17W
S29 | S28
S32 | S33
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, nearly level.
Soil, gravelly, sandy, and clay.
Timber, none.

From the standard cor. of secs. 31 and 32, on the Fourth Standard Parallel South, an iron post, 2 ins. diam., firmly set, mkd., and witnessed as described in the official record.

N. 0° 03' W., bet. secs. 31 and 32.

Over nearly level land; asc. 30 ft. over gradual S. slope.

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.

T20S R17W
¼
S31 | S32
1959

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Asc. 30 ft. over gradual S. slope.

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

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

U. S. GOVERNMENT PRINTING OFFICE 16—26490-2

Portion of the Subdivision of T. 20 S., R. 17 W.

Chains	
	T20S R17W S30 | S29 S31 | S32 1959 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor. Land, nearly level. Soil, gravelly, sandy and clay. Timber, none.
	From the cor. of secs. 28, 29, 32 and 33. N. 89° 58' W., bet. secs. 29 and 32. Over nearly level land draining S.
39.97	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, in a collar of stone, with brass cap mkd. T20S R17W ¼ S29 S32 1959 Desc. 20 ft. over gradual SW. slope.
79.94	The cor. of secs. 29, 30, 31 and 32. Land, nearly level. Soil, gravelly, sandy, clay. Timber, none.

GENERAL DESCRIPTION

The land within this township is gently rolling desert land with low mountains on the east and west exteriors. The elevation varies from 5,000 feet on the desert to 6,200 feet on the mountains. The area drains southerly.

The soil varies from gravel, sand and clay on the desert to rock, sand and clay on the mountains.

The timber is composed of scattered juniper and pinon on the higher elevations, of little commercial value.

Little Valley Well is located in section 9.

Principal users of the area are sheepmen, and access into the township is provided by desert roads and stock trails. The surveyed lines cross U. S. Highway 50 and 6 between sections 7 and 12 on the east boundary; between sections 21 and 22; and between sections 25 and 30 on the west boundary of the township.

No mineral formations of consequence were noted during the survey.

Chains

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

-680
b., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Notekeeper
Olaf M. Shakespeare	Chainman
Wallace R. Ott	Chainman
Clarence N. Carleton	Cornerman
Jerry Lee Thomas	Flagman

13[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, [illegible] pursuance of special instructions bearing date of the 4th day of August, 195[illegible] I have ~~surveyed~~ supervised the survey of the east and north boundaries and a portion of the subdivision of T. 20 S., R. 17 W.,

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

January 5, 1960

Salt Lake City, Utah

[signature]

Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., [illegible] 25 1960, *19*

The foregoing field notes of the survey of the east and north boundaries and a portion of the subdivision of T. 20 S., R. 17 W., Salt Lake Meridian, Utah

executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Acting *Cadastral Engineering Staff Officer.*

CERTIFICATE OF TRANSCRIPT

[illegible] the foregoing transcript of the field notes [illegible], is a true copy of the original field notes.

[illegible] *Engineering Staff Officer.*

U. S. GOVERNMENT PRINTING OFFICE 16 [illegible]

4—679
ptember 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT AND INDEPENDENT RESURVEY OF THE SNAKE VALLEY GUIDE MERIDIAN

LONG THE EAST BOUNDARY, THE NORTH BOUNDARY, AND A PORTION OF THE SUBDIVISION

AND THE

SURVEY OF A PORTION OF SUBDIVISIONAL LINES COMPLETING THE SUBDIVISION OF

TOWNSHIP 20 SOUTH, RANGE 18 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Lacel E. Bland, Cadastral Surveyor

der special instructions dated August 4, *1954, which provided*

the surveys included under Group No. 407, *approved* September 7, 1954

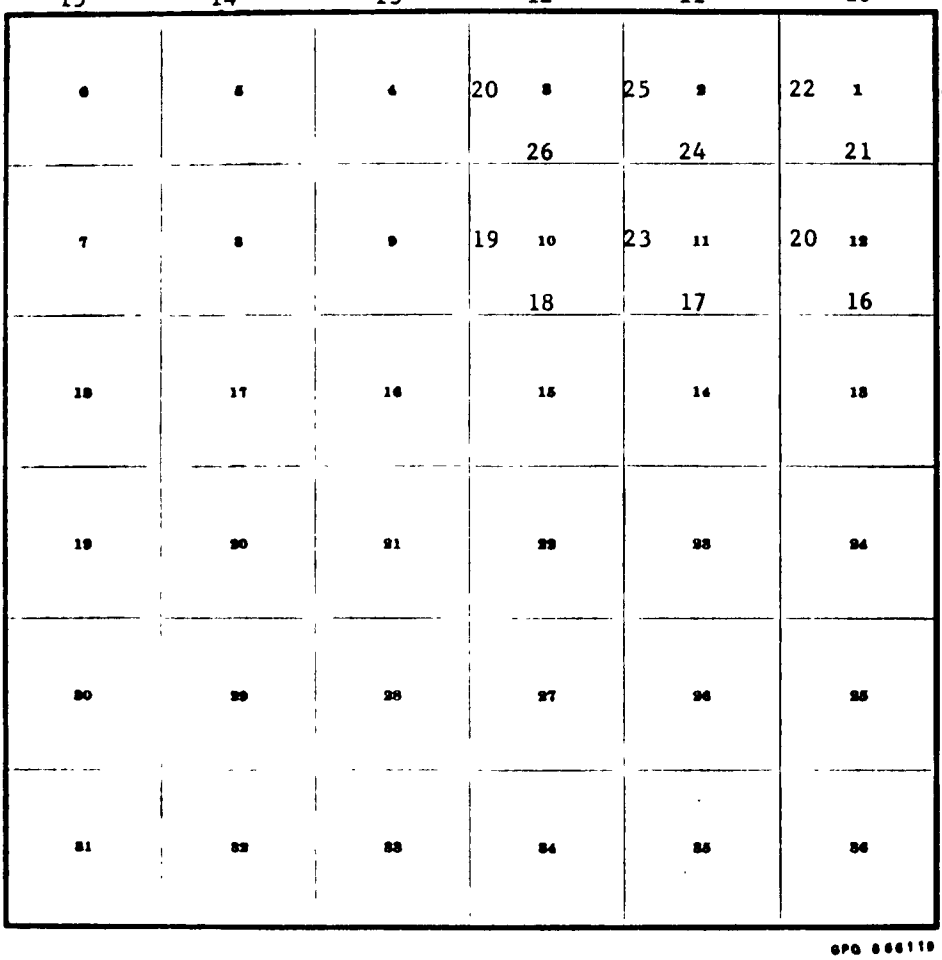
assignment instructions dated May 1, *1959*

Survey commenced May 26, *1959*

Survey completed June 17, *1959*

INDEX DIAGRAM

Township 20 South , Range 18 West



GPO 866119

Township 20 South, Range 18 West

Chains

The east boundary was resurveyed by R. E. L. Collier in 1895. The north boundary was surveyed by A. J. Stewart, Jr. in 1883. In 1895 Collier retraced the north boundary, resurveyed the west boundary, surveyed the south boundary (Fourth Standard Parallel South), and a portion of the subdivision.

The following field notes are those of the dependent resurvey of the south 4 miles and independent resurvey of the north 2 miles of the east boundary, with establishment of new corners referring to T. 20 S., R. 17 W. at regular intervals of 40 chains northing from the Fourth Standard Parallel South; dependent resurvey of the east half mile and the west 4 miles of the north boundary; independent resurvey of a portion of the north boundary; dependent and independent resurvey and survey of a portion of the subdivision, thus completing the survey of the subdivision.

The survey was executed with a W. & L. E. Gurley solar transit, serial No. 580515 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment. Horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 00' 57.6" N. and longitude 113° 48' 42.0" W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Dependent Resurvey, E. Bdy., T. 20 S., R. 18 W.

Chains	
	Dependent Resurvey of the East Boundary of T. 20 S., R. 18 W., Snake Valley Guide Meridian, and Establishment Thereon of New Corners at Latitudinal Intervals of 40 chains North of the Fourth Standard Parallel South in Range 17 West.
	Reestablishment of the survey executed by R. E. L. Collier in 1895.
	Beginning at remonumented std. SE. cor. of T. 20 S., R. 18 W., an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described by R. Gentry in 1924 in the record of the resurvey of the Fourth Standar Parallel South through R. 17 W.
	N. 0° 15' W. on the E. bdy. of sec. 36.
	Over gently rolling land, draining S.
13.78	The remonumented clos. cor., Tps. 20 & 21 S., R. 17 W., an iron post, 3 ins. diam., set, mkd., and witnessed as described in the official record.
	N. 0° 19' W., continuing measurement.
	Asc. 30 ft. over S. slope.
39.60	Top of low ridge, bears E. and W.
40.21	Point for the ¼ sec. cor. of sec. 36, T. 20 S., R. 18 W., at proportionate dist.; the original ¼ sec. cor. for secs. 31 and 36, a broken limestone 12x8x6 ins. unmarked, was lying on the ground.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R18W R17W ¼ | S36| 1959
	Bury the original monument alongside the iron post.
	Desc. 20 ft. over N. slope.
41.20	Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 30 ft. over S. slope.
53.78	Point for the ¼ sec. cor. of sec. 31, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R18W R17W | ¼ |S31 1959
	No available accessories.
80.42	The cor. of secs. 25 and 36, T. 20 S., R. 18 W., mkd. by the cor. originally set for the cor. of secs. 25, 30, 31 and 36, a limestone 14x8x5 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Dependent Resurvey, E. Bdy., T. 20 S., R. 18 W.

Chains	
	T20S R18W R17W S25 | S31 S36 | 1959
	Bury the original monument alongside the iron post.
	Land, gently rolling, sloping S. Soil, sand, gravel and clay. Timber, none.
	N. 0° 24' W., on the E. bdy. of sec. 25.
	Over gently rolling land, sloping S.; asc. 20 ft.
13.36	Point for the cor. of secs. 30 and 31, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R18W R17W S25 | S30 S31 1959
	No available accessories.
21.00	Fence, 4 strand wire, bears NW. and SE.; asc. 30 ft. over S. slope.
40.24	The ¼ sec. cor. of sec. 25, T. 20 S., R. 18 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 25 and 30, a limestone 10x8x6 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R18W R17W ¼ S25 | 1959
	Bury the original monument alongside the iron post.
	N. 0° 18' W., beginning new measurement.
	Asc. 20 ft. over S. slope.
13.12	Point for the ¼ sec. cor. of sec. 30, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a collar of stone, with brass cap mkd.
	T20S R18W R17W | ¼ | S30 1959
14.40	U. S. Highway 50 and 6, bears W. and curving NE.; asc. 70 ft. over SW. slope.

E. T 20 S 18 W

Chains	
40.23	The cor. of secs. 24 and 25, T. 20 S., R. 18 W., mkd. by the cor. originally set for the cor. of secs. 19, 24, 25 and 30, a limestone 18x8x6 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R18W R17W S24 | S30 S25 | 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.
	Bury the original monument alongside the iron post.
	Land, rolling. Soil, sand, clay, gravel and rock. Timber, none.
	N. 0° 16' W., on the E. bdy. of sec. 24.
	Over rolling low mountains.
1.50	Ravine, drains S. 10° W.; asc. 80 ft. over SE. slope.
12.89	Point for the cor. of secs. 19 and 30, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R18W R17W S24 | S19 S30 1959
	Asc. 80 ft. over S. slope.
30.20	Ridge, bears S. 10° E.; desc. 60 ft. over NE. slope.
37.50	Ravine, drains S. 80° E.; asc. 10 ft. over SE. slope.
39.92	The ¼ sec. cor. of sec. 24, T. 20 S., R. 18 W., mkd. by the cor. originally set for the ¼ sec. cor. of secs. 19 and 24, a limestone 14x8x6 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R18W R17W ¼ | S24 | 1959
	Bury original cor. alongside the iron post.
	N. 0° 16' W., beginning new measurement.
	Asc. 10 ft. over SE. slope.

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Dependent Resurvey, E. Bdy., T. 20 S., R. 18 W.

Chains	
7.60	Ravine, drains S. 10° E.; asc. 40 ft. over S. slope.
12.97	Point for the ¼ sec. cor. of sec. 19, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R18W R17W ¼ S19 1959
	Asc. 10 ft. over S. slope.
15.00	Spur, bears SE.; desc. 10 ft. over N. slope.
16.20	Ravine, drains SW.
20.80	Ravine, drains SE., 1.00 ch. thence S.; asc. 140 ft. over SW. slope.
40.31	The cor. of secs. 13 and 24, T. 20 S., R. 18 W., mkd. by the cor. originally set for the cor. of secs. 13, 18, 19 and 24, a limestone 16x16x16 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins, long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4½ ft. base, with brass cap mkd.
	T20S R18W R17W S13 | S19 S24 1959
	Bury the original cor. alongside the iron post.
	Land, low rolling mountains. Soil, clay, rocky and sand. Timber, none.
	N. 0° 21' W., on the E. bdy. of sec. 13.
	Over low mountainous land; asc. 70 ft. over S. slope.
4.00	Ridge, bears SE. and S. 80° W.; desc. 40 ft. over N. slope.
10.00	Base of descent, bears E. and W.; asc. 50 ft. over S. slope.
12.66	Point for the cor. of secs. 18 and 19, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R18W R17W S13 | S18 S19 1959
	Asc. 10 ft. over S. slope.
13.70	Spur, bears SE.

t Res. E. Bdy. T. 20 S. R. 18 W.

Chains	
21.50	Begin ascent over S. slope; asc. 90 ft.
39.98	The ¼ sec. cor. of sec. 13, T. 20 S., R. 18 W., mkd. by a limestone, in a mound of stone, 14x14x6 ins. originally set for the ¼ sec. cor. of secs.13 and 18, firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid rock, and in a mound of stone to top, 4 ft. base, with brass cap mkd. T20S R18W R17W ¼ S13 1959 Raise a mound of stone, 3 ft. base, 2 ft.high, W. of cor. Bury original cor. alongside the iron post.

N. 0° 17' W., beginning new measurement.

Asc. 10 ft. over S. slope.

1.00	Ridge,bears irregularly N. 10° E. and SW.; desc. 70 ft. over NW. slope.
6.50	Ravine, drains S. 70° W.; asc. 80 ft. over SW. slope.
12.68	Point for the ¼ sec. cor. of sec. 18, T. 20 S., R. 17 W. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R18W | R17W ¼ S18 1959 Asc. 20 ft. over SW. slope.
15.40	Ridge, bears W. and S. 20° E.; desc. 20 ft. over series of spurs, sloping W.
37.20	Ravine, drains W.; asc. 30 ft.over SW. slope.
39.92	The cor. of secs. 12 and 13, T. 20 S., R. 18 W., mkd. by the cor. originally set for the cor. of secs. 7, 12, 13 and 18, a limestone 18x18x6 ins. firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R18W R17W S12 S13 | S18 1959 Bury the original cor. alongside the iron post. Land, rolling and broken mountains. Soil, clay, rocky, and sand. Timber, none.

Chains	
	Independent Resurvey of the East Boundary of T. 20 S., R. 18 W.
	Superseding the Survey executed by R. E. L. Collier, Deputy Surveyor, in 1895.
	N. 0° 19' W., on the E. bdy. of sec. 12.
	Over rolling mountainous land; asc. 10 ft. over S. slope.
.30	Spur, bears S. 70° W.; desc. 20 ft. over NW. slope.
12.76	Point for the cor. of secs. 7 and 18, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W R17W S12 | S 7 / S18 1959
13.70	Small ravine, drains W.
16.10	Small spur, bears W.; desc. 20 ft. over NW. slope.
24.30	Base of descent, bears E. and W.; asc. 60 ft. over SW. slope.
31.70	Top of ascent in saddle, bears W.; desc. 10 ft. over N. slope.
34.50	Ravine, drains E.; asc. 40 ft. over S. slope.
39.60	Spur, bears S. 80° E.
40.00	Point for the ¼ sec. cor. of sec. 12, T. 20 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R18W R17W ¼ S12 | 1959
	From this cor., the original ¼ sec. cor. of secs. 7 and 12, a limestone 18x14x6 ins. bears S. 32° 24' W., .48 lks. dist. I destroyed it.
	Desc. 20 ft. over NE. slope.
41.60	Ravine, drains SE.; asc. 90 ft. over SW. slope.
46.30	Spur, bears SE.; desc. 30 ft. over NE. slope.
52.70	Ravine, drains SE.
52.76	Point for the ¼ sec. cor. of sec. 7, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

Independent Resurvey, E. Bdy., T. 20 S., R. 18 W.

Chains	
	T20S R18W R17W ¼ S 7 1959
	Asc. 150 ft. over SW. slope.
63.00	Spur, bears SE.; desc. 30 ft. over NE. slope.
66.90	Ravine, drains E.; asc. 70 ft. over S. slope.
71.00	Spur, bears E.; desc. 50 ft. over NE. slope.
80.00	Point for the cor. of secs. 1 and 12, T. 20 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W R17W S 1 / S12 | S 7 1959
	From this cor., the original cor. of secs. 1, 6, 7 and 12, a limest 18x16x6 ins firmly set and plainly mkd. bears S. 6° 33' E., .91 lks. dist. I destroyed it.
	Land, rolling and broken mountains. Soil, clay, rocky and sand. Timber, none.
	N. 0° 19' W., on the E. bdy. of sec. 1.
	Over rolling low mountains; desc. 20 ft. over NE. slope.
2.90	Ravine, drains E.; asc. 150 ft. over S. slope.
10.40	Ridge, bears E.; desc. 60 ft. over NE. slope.
12.76	Point for the cor. of secs. 6 and 7, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W R17W S 1 | S 6 / S 7 1959
	Desc. 30 ft. over NE. slope.
18.40	Ravine, drains E.; asc. 80 ft. over SE. slope.
23.90	Spur, bears N. 20° E.; desc. 190 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 1, T. 20 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

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Chains	
	T20S R18W R17W ¼ | S 1| 1959
	From this cor., a limestone 18x9x4 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 1 and 6, bears S. 3° 27' E., .85 lks. dist. I destroyed it.
	Desc. 50 ft. over NW. slope.
47.06	Main wash, 40 lks. wide, 2 ft. deep, drains NE.; asc. 20 ft. over SE. slope.
52.76	Point for the ¼ sec. cor. of sec. 6, T. 20 S., R. 17 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T20S R18W R17W | ¼ |S 6 1959
	Asc. 60 ft. over SE. slope.
60.10	Spur, bears N. 10° E.; desc. 100 ft. over NW. slope.
68.00	Wash, 70 lks. wide, 3 ft. deep, drains E.; asc. 20 ft. over S. slope.
69.90	Small spur, bears E.; desc. 10 ft. over N. slope.
71.30	Ravine, drains SE.; asc. 100 ft. over SW. slope.
80.00	Point for the 1/16 sec. cor. of sec. 1, T. 20 S., R. 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base with brass cap mkd.
	T20S R18W R17W 1/16| S 1| 80 1959
	Asc. 30 ft. over SW. slope.
85.60	Spur, bears SE.
89.80	Spur, bears E.
89.81	The cor. of Ts. 18 and 19 S., R. 18 W., mkd. by a conglomerate rock, 15x8x5 ins., firmly set and dimly mkd., originally set for the cor. of Ts. 18 and 19 S., Rs. 17 and 18 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.

Independent Resurv E. Bdy., T. 20 S., R. 18 W.

Chains

T19S T20S
R18W R17W
S36 | S 6
S 1
T20S
1959

Bury old cor. alongside the iron post.

Land, rolling and broken mountainous.
Soil, clay, rock and sandy.
Timber, none.

Dependent Resurvey of the North Boundary of T. 20 S., R. 18 W.

Reestablishment of the survey executed by A. J. Stewart Jr., Deputy Surveyor, in 1883, and retraced by R.E.L. Collier in 1895.

From the cor. of Ts. 19 and 20 S., R. 18 W., an iron post, 2½ ins. in diam., heretofore described.

S. 89° 48' W., bet. secs. 1 and 36.

Over rolling and broken low mountainous land; asc. 50 ft. over NE. slope.

6.00 Ridge, bears S.; desc. 80 ft. over W. slope.

11.30 Ravine, drains S.

14.20 Wash, 30 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 40 ft. over E. slope.

18.50 Ridge, bears S.; desc. 20 ft. over W. slope.

23.80 Wash, 20 lks. wide, 2 ft. deep, drains S. 20° E.; asc. 130 ft. over E. slope.

37.10 Spur, bears S.; desc. 40 ft. over W. slope.

40.21 The ¼ sec. cor. of secs. 1 and 36, mkd. by a limestone 18x6x5 ins. firmly set and plainly mkd.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T19S R18W
¼ S36
S 1
T20S
1959

Bury the original cor. alongside the iron post.

Independent Resurvey of the North Boundary of T. 20 S., R. 18 W.

Superseding the survey executed by A. J. Stewart Jr., Deputy Surveyor, in 1883, and retraced by R.E.L. Collier in 1895.

S. 89° 31' W., bet. secs. 1 and 36, beginning new measurement.

.10 Ravine, drains S.; asc. 40 ft. over E. slope.

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Independent Resurvey, N. Bdy., T. 20 S., R. 18 W.

Chains	
2.80	Spur, bears SE.; desc. 10 ft. over SW. slope.
7.00	Ravine, drains S. 80° E.; asc. 200 ft. over E. slope.
15.90	Ridge, bears S. 10° E.; desc. 60 ft. over W. slope.
20.20	Ravine, drains S.; asc. 50 ft. over E. slope.
25.90	Spur, bears S.; desc. 240 ft. over steep W. slope.
38.00	Ravine, drains S. 10° W.; asc. 30 ft. over E. slope.
40.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W S35 | S36 S 2 | S 1 T20S 1959
	From this cor., the original cor., a limestone 18x10x6 ins. firmly set and plainly mkd. bears S. 66° 25' E., 90 lks. dist. I buried it.
	Land, rolling and broken. Soil, rocky, clay and sand. Timber, none.
	S. 89° 31' W., bet. secs. 2 and 35.
	Over broken mountainous land; asc. 10 ft. over E. slope.
.30	Small spur, bears S.; desc. 70 ft. over W. slope.
4.80	Wash, 20 lks. wide, 1 ft. deep, drains S.; asc. 290 ft. over steep E. slope.
25.30	Ridge, bears S. 60° E.; desc. 240 ft. over steep SW. slope.
37.50	Ravine, drains S. 4.00 chs. thence W.; asc. 20 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 4 ft. base, with brass cap mkd.
	T19S R18W ¼ S35 S 2 T20S 1959
	From this cor., the original cor., a limestone 18x14x5 ins., firmly set and dimly mkd., bears S., 08 lks. dist. I destroyed it.
	From this cor. USC&GS station, Wildhorse, bears N. 73° 22' E., 11.88 chs. dist.
41.00	Spur, projects S.; desc. 110 ft. over SW. slope.
47.70	Wash, 20 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 40 ft. over NE. slope.

Chains	
58.40	Spur, bears N. 10° W.; desc. 20 ft. over W. slope.
67.70	Main wash, 50 lks. wide, 3 ft. deep, drains S., 5.00 chs. thence N. 80° W.; asc. 10 ft. over E. slope.
70.80	Small spur, bears S. 10° E.; desc. 80 ft. over SW. slope.
78.75	The cor. of secs. 34 and 35, T. 19 S., R. 18 W., mkd. by a limestone 20x16x8 ins., firmly set and plainly mkd., originally set for the cor of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T19S R18W S34 | S35 S 2 T20S 1959
	Bury the original cor. alongside the iron post.
	Land, broken and rolling. Soil, clay, rocky and sandy. Timber, scattering juniper.

Dependent Resurvey of the North Boundary of T. 20 S.,R.18 W.

Reestablishment of the survey executed by A. J. Stewart Jr., Deputy Surveyor, in 1883, and retraced by R.E.L. Collier in 1895.

N. 89° 38' W., on the S. bdy. of sec. 34.

Over rolling and broken land, through scattering juniper.

1.35	The closing cor. of secs. 2 and 3, T. 20 S., R. 18 W., hereinafter described.
	Desc. 40 ft. over rolling SW. slope.
14.70	Ravine, drains S. 30° E.; asc. 80 ft. over SE. slope.
19.40	Spur, bears S. 30° E.; desc. 70 ft. over SW. slope.
23.70	Ravine, drains S.; asc. 30 ft. over E. slope.
27.40	Spur, bears S.; desc. 60 ft. over W. slope.
31.60	Ravine, drains S. 20° W.; desc. 40 ft. over W. slope.
35.10	Ravine, drains S. 10° E.; asc. 80 ft. over SE. slope.
40.17	The ¼ sec. cor. of sec. 34, T. 19 W., R. 18 W., a limestone 20x8x4 ins., firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.

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Dependent Resurvey, N. Bdy., T. 20 S., R. 18 W.

Chains	
	T19S R18W ¼ S34 T20S 1959
	Bury the original cor. alongside the iron post.
	N. 89° 59' W., beginning new measurement.
1.18	The ¼ sec. cor. of sec. 3, T. 20 S., R. 18 W., hereinafter described.
	Asc. 30 ft. over SE. slope.
5.60	Ravine, drains S. 20° E.; asc. 60 ft. over SE. slope.
8.70	Ridge, bears N. 10° E. and S.; desc. 450 ft. over steep and broken W. slope.
41.00	Base of descent, bears N. 20° E. and S. 20° W.; thence over gently rolling land.
41.92	The cor. of secs. 3, 4, 33 and 34, a limestone 18x10x4 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R18W S33 | S34 S 4 | S 3 T20S 1959
	Bury the original cor. alongside the iron post.
	Land, broken. Soil, clay, rocky and sandy. Timber, scattering juniper.
	S. 89° 44' W., bet. secs. 4 and 33.
	Over gently rolling land; desc. 20 ft. over W. slope.
10.40	Trail road, bears N. 10° E. and S. 10° W.; desc. 10 ft. over W. slope.
13.10	Small wash, drains S. 10° W.; desc. 10 ft. over W. slope.
24.40	Trail road, bears S. 10° W. and NE.; desc. 30 ft. over SW. slope.
34.20	Main wash, 1.00 ch. wide, 2 ft. deep, drains S. 20° W.
40.35	The ¼ sec. cor. of secs. 4 and 33, mkd. by a limestone 20x6x4 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R18W ¼ S33 S 4 T20S 1959
	Bury the original cor. alongside the iron post.

De: t Resurvev N. Bdy. T. 20 S. R. 18 W.

Chains	
	S. 89° 37' W., beginning new measurement.
	Desc. 30 ft. over gently rolling W. slope.
26.30	Small wash, drains S.
36.50	Low ridge, bears N. and S.; desc. 20 ft. over W. slope.
40.08	The cor. of secs. 4, 5, 32 and 33 mkd. by a limestone 20x10x5 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R18W
S32 | S33
S 5 | S 4
T20S
1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of cor.

Land, gently rolling.
Soil, sandy, gravelly and clay.
Timber, none.

	S. 89° 54' W., bet. secs. 5 and 32.
	Over gently rolling land, draining SW.
3.00	Small wash, drains S.; desc. 60 ft. over SW. slope.
27.30	Wash, 20 lks. wide, 2 ft. deep, drains S. 30° W.; desc. 10 ft. over SW. slope.
30.60	Wash, 20 lks. wide, 2 ft. deep, drains S. 10° W.; desc. 20 ft. over SW. slope.
40.17	The ¼ sec. cor. of secs. 5 and 32 mkd. by a limestone, top broken but firmly set and dimly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T19S R18W
¼ S32
S 5
T20S
1959

Bury the original cor. alongside the iron post.

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

	S. 89° 45' W., beginning new measurement.
	Desc. 20 ft. over W. slope.
6.30	Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 60 ft. over gently rolling SW. slope.
30.90	Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 10 ft. over SW. slope.

Chains	
35.00	Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 10 ft. over SW.slope.
40.05	The cor. of secs. 5, 6, 31 and 32, mkd. by a limestone 18x18x8 ins. firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R18W S31 | S32 S 6 | S 5 T20S 1959 Bury the original cor. alongside the iron post. Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. Land, gently rolling. Soil, sandy loam, gravelly, and clay. Timber, none.
	S. 89° 45' W., bet. secs. 6 and 31. Over gently rolling land, draining SW.; desc. 10 ft.
4.60	Wash, 20 lks. wide, 2 ft. deep, drains SW.; desc. 60 ft. over gently rolling SW. slope.
33.50	Wash, 10 lks. wide, 2 ft. deep, drains S. 70° W.; desc. 10 ft. over W. slope.
36.70	Wash, 10 lks. wide, 2 ft. deep, drains SW.
39.71	The ¼ sec. cor. of secs. 6 and 31 mkd. by a limestone 20x18x8 ins. firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T19S R18W ¼ S31 S 6 T20S 1959 Bury the original cor. alongside the iron post.
	S. 89° 45' W., beginning new measurement. Desc. 40 ft. over gently rolling SW. slope.
22.90	Wash, 10 lks. wide, 2 ft. deep, drains S. 60° W.; desc. 20 ft. over gently rolling SW. slope.
30.00	Wash, 10 lks. wide, 2 ft. deep, drains SW.; desc. 20 ft. over gently rolling SW. slope.
39.73	The cor. of Ts. 19 and 20 S., Rs. 18 and 19 W., an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described in the official record. Land, gently rolling. Soil, sandy loam, gravally, and clay. Timber none.

Dependent Resurvey, Portion of Subdivision, T.20 S.,R.18 W.

Chains	
	Dependent Resurvey of a Portion of the Subdivision, T. 20 S., R. 18 W
	Reestablishment of the survey executed by R. E. L. Collier, Deputy Surveyor, in 1895.
	From the cor. of secs. 12 and 13 on the E. bdy. of the Tp.,heretofore described.
	N. 89° 39' W., bet. secs. 12 and 13.
	Over rolling low mountainous land; desc. 60 ft. over W. slope.
3.80	Ravine, drains S.; asc. 150 ft. over E. slope.
20.70	Ridge, bears S.; desc. 120 ft. over W. slope.
27.80	Ravine, drains S. 10° E.; asc. 30 ft. over E. slope.
31.10	Spur, bears S.; desc. 70 ft. over W. slope.
34.40	Ravine, drains S. 10° W.; asc. 10 ft. over E. slope.
36.00	Small spur, bears S.; desc. 40 ft. over W. slope.
38.40	Ravine, drains S.; asc. 10 ft. over E. slope.
39.50	Spur, bears SW.
39.97	The ¼ sec. cor. of secs. 12 and 13 mkd. by a limestone 16x12x6 ins. firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R18W ¼ S12/S13 1959
	Bury the original cor. alongside the iron post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

	West, beginning new measurement.
	Over rolling land, sloping S.; desc. 40 ft. over SW. slope.
10.30	Ravine, drains S.; asc. 10 ft. over E. slope.
14.50	Low ridge, bears S. 10° W.; desc. 50 ft. over W. slope.
23.90	Ravine, drains S. 10° W.; asc. 10 ft. over E. slope.
33.60	Low ridge, bears S. 10° W.; desc. 80 ft. over W. slope.
40.13	The cor. of secs. 11, 12, 13 and 14 mkd. by a limestone, 14x10x6 ins firmly set and dimly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Chains	
	T20S R18W S11 | S12 S14 | S13 1959
	Bury the original cor. alongside the iron post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken and rolling. Soil, clay, rocky, and sandy loam. Timber, none.
	S. 89° 41' W., on the N. bdy. of sec. 14.
	Over rolling land, draining S.
2.00	Wash, 30 lks. wide, 1 ft. deep, drains S. 10° W.; asc. 50 ft. over E. slope.
8.00	Ridge, bears S. 30° W.; desc. 70 ft. over NW. slope.
13.20	Ravine, drains S. 30° W.; asc. 30 ft. over E. slope.
20.30	Ridge, bears S. 10° W.; desc. 70 ft. over W. slope.
34.50	Wash, 50 lks. wide, 1 ft. deep, drains S.
40.00	Point for the ¼ sec. cor. of sec. 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R18W ¼ S11 1959
	No available accessories.
40.56	The ¼ sec. cor. of sec. 14, a limestone 14x12x8 ins. firmly set and plainly mkd., originally set for the ¼ sec. cor. of secs. 11 and 14.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T20S R18W ¼ S14 1959
	Bury the original cor. alongside the iron post.
	N. 89° 59' W., beginning new measurement.
7.10	Wash, 50 lks. wide, 2 ft. deep, drains S. 20° W.; desc. 70 ft. over rolling SW. slope.
33.20	Wash, 30 lks. wide, 1 ft. deep, drains S. 30° W.
39.44	Point for the cor. of secs. 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Dependent Resurvey, Portion of Subdivision, T. 20 S. R. 18 W.

Chains	
	T20S R18W S10 | S11 S14 1959
40.16	The cor. of secs. 14 and 15, a limestone 14x12x4 ins. firmly set and plainly mkd., originally set for the cor. of secs. 10, 11, 14 and 15. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R18W S10 S15 | S14 1959 Bury the original cor. alongside the iron post. No available accessories. Land, rolling. Soil, sandy loam, gravelly and clay. Timber, none.
	S. 89° 53' W., on the N. bdy. of sec. 15. Over gently rol. ..g land, draining S.; asc. 30 ft. over SE. slope.
16.00	Begin ascent over steep SE. slope; asc. 190 ft.
39.28	Point for the S. ¼ sec. cor. of sec. 10 Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R18W ¼ S10 1959
39.40	Ridge, bears SW.; desc. 20 ft. over NW. slope.
40.03	Point for the ¼ sec. cor. of sec. 15, proportionate distance; there is no remaining evidence of the original cor. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass c mkd. T20S R18W ¼ S15 1959 Thence along N. slope.
44.80	Begin descent over steep W. slope; desc. 300 ft.
63.70	Wash, 40 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 160 ft. over SE. slope.
69.20	Ridge, bears S. 20° W.; desc. 140 ft. over SW. slope.
80.05	The cor. of secs. 9, 10, 15 and 16 mkd. by a cross (X) cut in solid rock, with 4 grooves S. and 3 grooves E. Cor. cannot be perpetuated.

Chains	
	The point selected for the witness cor. of secs. 9, 10, 15 and 16 bears W., 04 lks. dist. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd. T20S R18W S 9 | S10 W S16 | S15 C 1959 Land, rolling and broken. Soil, clay, rocky, and sandy loam. Timber, none.
	N. 0° 20' W., bet. secs. 9 and 10. Over rolling land, draining SW.; asc. 20 ft. over S. slope.
1.40	Small spur, bears W.; desc. 10 ft. over N. slope.
4.30	Ravine, drains W., 3.00 chs. thence SW.; asc. 40 ft. over rolling SW. slope.
14.50	Spur, bears W.; desc. 20 ft. over N. slope.
18.70	Wash, 1.00 ch. wide, 2 ft. deep, drains S. 80° W.; asc. 30 ft. over rolling SW. slope.
40.15	The ¼ sec. cor. of secs. 9 and 10 mkd. by a limestone, 16x12x7 ins., firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R18W ¼ S 9 | S10 1959 Bury the original cor. alongside the iron post. No available accessories.
	N. 0° 21' W., beginning new measurement. Asc. 30 ft. over rolling SW. slope.
19.70	Wash, 30 lks. wide, 3 ft. deep, drains S. 70° W.; asc. 60 ft. over rolling SW. slope.
40.20	The cor. of secs. 3, 4, 9 and 10 mkd. by a limestone, 14x12x4 ins., firmly set and plainly mkd. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T20S R18W S 4 | S 3 S 9 | S10 1959 Bury the original cor. alongside the iron post.

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 18 W.

Chains	
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling, draining SW. Soil, sandy loam, gravelly, and clay. Timber, none.
	N. 0° 18' W., bet. secs. 3 and 4.
	Over rolling land, draining SW.; asc. 30 ft.
7.60	Main wash, 1.00 ch. wide, 4 ft. deep, drains S. 70° W.; asc. 200 ft. over SE. slope.
37.20	Ridge, bears S. 30° W.; desc. 60 ft. over NW. slope.
40.06	The ¼ sec. cor. of secs. 3 and 4 mkd. by a limestone, 14x12x6 ins., firmly set and plainly mkd.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W. ¼ S 4 | S 3 1959
	Bury the original cor. alongside the iron post.
	N. 0° 18' W., beginning new measurement.
	Desc. 100 ft. over NW. slope.
12.80	Base of descent, bears NE. and SW.; thence over gently rolling W. slope.
48.32	The cor. of secs. 3, 4, 33 and 34 heretofore described.
	Land, rolling and broken. Soil, sandy loam, rocky and clay. Timber, none.
	From the cor. of secs. 11, 12, 13 and 14.
	N. 0° 20' W., bet. secs. 11 and 12.
	Over rolling land; asc. 30 ft. over SW. slope.
12.40	Wash, 30 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 60 ft. over SE. slope.
18.50	Top of ascent on E. slope; desc. 20 ft. over NW. slope.
20.70	Ravine, drains E.; asc. 60 ft. over rolling land, draining SE.
30.70	Ravine, drains SE.; asc. 40 ft. over rolling SW. slope.
40.00	The ¼ sec. cor. of secs. 11 and 12 mkd. by a limestons, 12x10x6 ins., firmly set and plainly mkd.

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 18 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R18W ¼ S11 | S12 1959 Bury the original cor. alongside the iron post.
	Survey of a Portion of the Subdivision of T. 20 S., R. 18 W.
	From the ¼ sec. cor. of secs. 11 and 12.
	N. 0° 20' W., bet. secs. 11 and 12, beginning new measurement.
	Asc. 30 ft. over SW. slope.
4.00	Spur, projects SE.; asc. 30 ft. over SE. slope.
14.20	Spur, projects SE.; asc. 50 ft. over SE. slope.
22.20	Ridge, bears S. 20° W.; thence along W. slope.
27.00	Begin descent over NW. slope; desc. 70 ft.
35.30	Wash, 10 lks. wide, 1 ft. deep, drains SW.
35.80	Trail road, bears SW. and NE.; asc. 20 ft. over SW. slope.
40.00	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 mkd. T20S R18W S 2 | S 1 S11 | S12 1959 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	From the cor. of secs. 1 and 12 on the E. bdy. of the Tp., heretofore described.
	N. 89° 50' W., bet. secs. 1 and 12.
	Over broken land; asc. 100 ft. over steep E. slope.
3.70	Outcropping, 8 ft. high, bears N. 20° E. and S. 20° W.; asc. 40 ft. over NE. slope.
6.70	Ridge, bears S. 20° E.; desc. 280 ft. over steep W. slope.
24.10	Main wash, 50 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 50 ft. over SE. slope.
27.20	Ridge, bears S.; desc. 50 ft. over W. slope.
29.90	Ravine, drains S. 20° W.; asc. 30 ft. over SE. slope.
32.30	Spur, slopes S.; desc. 30 ft. over SW. slope.

Survey Portion of Subdivision, T. 20 S. R. 18 W.

Chains	
35.30	Ravine, drains S.; asc. 50 ft. over E. slope.
40.085	Point for the ¼ sec. cor. of secs. 1 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W ¼ S 1 / S12 1959
40.80	Ridge, bears S. 20° W.; desc. 170 ft. over W. slope.
53.20	Wash, 30 lks. wide, 2 ft. deep, drains S.; desc. 20 ft. over rolling land, draining S.
73.80	Wash, 20 lks. wide, 2 ft. deep, drains SW.
78.90	Low spur, projects SW.; desc. 10 ft. over W. slope.
80.17	The cor. of secs. 1, 2, 11 and 12.
	Land, broken and rolling. Soil, clay, rocky and sandy loam. Timber, none.
	N. 0° 21' W., bet. secs. 1 and 2.
	Over rolling land; asc. 10 ft. over SW. slope.
2.50	Wash, 20 lks. wide, 1 ft. deep, drains S. 20° W.; asc. 80 ft. over SE. slope.
15.00	Ridge, bears SW.
20.20	Same ridge, bears SE.; asc. 170 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long,, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W ¼ S 2 | S 1 1959
	Asc. 90 ft. over SE. slope.
48.50	Ridge, bears S. 80° W.; desc. 140 ft. over steep NE. slope.
54.30	Ravine, heads 6.00 chs. SW., drains N. 80° W.; asc. 50 ft. over SW. slope.
58.80	Spur, projects N. 80° W.; desc. 40 ft. over N. slope.
62.60	Wash, 20 lks. wide, 2 ft. deep, drains W.; asc. 110 ft. over SW.slope
68.20	Spur, slopes S. 60° W.; desc. 40 ft. over NW. slope.
70.40	Small ravine, drains W.; asc. 20 ft. over SW. slope.
74.20	Spur, slopes W.; desc. 20 ft. over NW. slope.

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Survey, Portion of Subdivision, T. 20 S., R. 18 W.

Chains	
77.20	Small ravine, drains W.; asc. 10 ft. over SW. slope.
79.60	Spur, slopes W.
80.00	Point for the 1/16 sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R18W 1/16 S 2 | S 1 80 1959
	Desc. 20 ft. over NW. slope.
85.60	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 50 ft. over SE.slope.
88.88	The cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.
	Land, rolling and broken. Soil, clay and rocky. Timber, none.
	From the cor. of secs. 10 and 11, heretofore described.
	N. 0° 20' W., bet. secs. 10 and 11.
	Over rolling land; asc. 60 ft. over S. slope.
14.00	Wash, 30 lks. wide, 1 ft. deep, drains S. 20° W.; asc. 170 ft. over rolling SE. slope.
35.40	Top of ascent on E. slope; desc. 20 ft. over NE. slope.
38.00	Ravine, drains E.
39.80	Point selected for the witness ¼ sec. cor. of secs. 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T20S R18W ¼ W | C S10 | S11 1959
40.00	True point for the ¼ sec. cor. of secs. 10 and 11 falls in wash, 20 lks. wide, 2 ft. deep, drains SE., where cor. cannot be perpetuated.
	Asc. 120 ft. over steep S. slope.
45.70	Spur, slopes SE.; asc. 120 ft. over SE. slope.
59.70	Ridge, bears E.
61.30	Begin descent over NW. slope; desc. 180 ft.
71.90	Wash, 20 lks. wide, 1 ft. deep, drains NW.; asc. 10 ft. over SW.slope.
74.40	Low spur, projects W., 2.00 chs. to end; desc. 30 ft. over NW.slope.

Survey, Portion of Subdivis[illegible] T. 20 S [illegible] 1. "

Chains	
79.80	Point selected for the witness cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R18W W C S 3 S 2 S10 S11 1959
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
80.00	True point for the cor. of secs. 2, 3, 10 and 11 falls in wash, 30 lks. wide, 2 ft. deep, drains S. 80° W., where cor. cannot be perpetuated.
	Land, rolling and broken. Soil, clay, rocky, and sandy loam. Timber, none.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 50' W., bet. secs. 2 and 11.
	Over rolling land, draining S.
1.00	Wash, 20 lks. wide, 1 ft. deep, drains S.; asc. 30 ft. over SE.slope.
6.70	Low ridge, bears S.
9.40	Low ridge, bears S. 10° W.; desc. 60 ft. over W. slope.
14.00	Wash, 20 lks. wide, 2 ft. deep, drains S.; asc. 30 ft. over SE.slope.
22.40	Ridge, bears S.; desc. 40 ft. over SW. slope.
30.00	Main wash, 30 lks. wide, 2 ft. deep, drains S.; asc. 50 ft. over E. slope.
37.20	Spur, slopes S. 20° E.; desc. 40 ft. over SW. slope.
39.80	Wash, 10 lks. wide, 1 ft. deep, drains SE.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd.
	T20S R18W ¼ S 2 S11 1959
	Asc. 15 ft. over NE. slope.
42.00	Spur, slopes SE.; desc. 10 ft. over SW. slope.
44.50	Small wash, drains SE.; asc. 210 ft. over steep E. slope.
53.70	Ridge, bears S.; desc. 170 ft. over steep W. slope.
62.50	Desc. 60 ft. over more gradual W. slope.
71.00	Enter wash, 50 lks. wide, 2 ft. deep, drains W. from NE.; desc. 30 ft.

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Chains	
80.00	The true point of the cor. of secs. 2, 3, 10 and 11.
	Land, rolling and broken. Soil, sandy loam, clay, and rocky. Timber, none.
	N. 0° 20' W., bet. secs. 2 and 3.
	Over broken land.
.10	Wash, 30 lks. wide, 2 ft. deep, drains S. 80° W.; asc. 160 ft. over S. slope.
12.50	Spur, projects SW.; desc. 120 ft. over NW. slope.
22.00	Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 100 ft. over S. slope.
28.70	Rocky spur, slopes SW.; asc. 170 ft. over broken SW. slope.
38.60	Ridge, bears S. 80° W.; thence along W. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd. T20S R18W ¼ S 3 | S 2 1959
41.40	Slope changes to NW. slope; desc. 120 ft.
46.10	Ravine, drains N. 80° W.; asc. 20 ft. over SW. slope.
50.60	Top of ascent on W. slope; desc. 40 ft. over NW. slope.
54.10	Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 70 ft. over SE. slope.
58.70	Ridge, bears SW.; desc. 70 ft. over NW. slope.
63.00	Wash, 30 lks. wide, 2 ft. deep, drains S. 70° W.; asc. 200 ft. over steep S. slope.
70.70	Top of knob, 3.00 chs. diam.; desc. 150 ft. over NE. slope.
80.00	Point for the 1/16 sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R18W 1/16 S 3 | S 2 80 1959
	Desc. 80 ft. over NE. slope.
86.40	Wash, 40 lks. wide, 2 . deep, drains N. 80° W.; asc. 10 ft. over SW. slope.

Survey, Portion of Subdivision, T. 20 S., R. 18 W.

Chains	
88.41	The N. bdy. of T. 20 S., R. 18 W.
	Point for the closing cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W S34 S 3 | S 2 T20S C C 1959
	From this cor., the cor. of secs. 34 and 35, T. 19 S., R. 18 W., an iron post, 2½ ins. diam., heretofore described, bears S. 89° 38' E., 1.35 chs. dist.
	Land, broken. Soil, clay, rocky, and sandy loam. Timber, none.
	The point for the N. ¼ sec. cor. of sec. 3 is on the N. bdy. and at a Westing of 40 chs. from the closing cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 3½ ft. base, with brass cap mkd.
	T19S R18W ¼ S 3 T20S 1959
	From this ¼ sec. cor., the ¼ sec. cor. of sec. 34, T. 19 S., R. 18 W., bears S. 89° 59' E., 1.18 chs. dist., an iron post, 2½ ins. diam., heretofore described.
	From the true point of the cor. of secs. 2, 3, 10 and 11.
	N. 89° 52' W., bet. secs. 3 and 10.
	Over rolling land, draining SW.; desc. 20 ft. over W. slope.
5.30	Enter wash, 40 lks. wide, 2 ft. deep, drains W.; desc. 40 ft.
9.50	Leave wash, drains SW.; desc. 30 ft. over SW. slope.
21.20	Wash, 40 lks. wide, 2 ft. deep, drains S., 4.00 chs. to above wash; asc. 30 ft. over SE. slope.
27.00	Spur, bears S. 20° W.; desc. 110 ft. over broken and steep SW. slope.
36.50	Desc. 50 ft. over more gradual SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 10.

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Survey, Portion of Subdivision, T. 20 S., R. 18 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone to top, 3 ft. base, with brass cap mkd. T20S R18W ¼ S 3 / S10 1959 No remaining evidence of the original cor. was found.
	Independent Resurvey of a Portion of the Subdivision, T.20 S.,R.18 W.
	Superseding the survey executed by R. E. L. Collier, Deputy Surveyor, in 1895. N. 89° 52' W., bet. secs. 3 and 10, continuing measurement. Desc. 10 ft. over SW. slope.
42.10	Wash, 10 lks. wide, 2 ft. deep, drains S. 30° W.; asc. 20 ft. over SE. slope.
46.80	Top of ascent on S. slope; desc. 30 ft. over W. slope.
50.50	Wash, 20 lks. wide, 1 ft. deep, drains SW.; desc. 30 ft. over SW. slope.
73.80	Spur, bears S. 20° W.; desc. 10 ft. over W. slope.
75.60	Wash, 10 lks. wide, 2 ft. deep, drains S. 20° W.; asc. 10 ft. over E. slope.
77.80	Spur, bears S. 20° W.; desc. 10 ft. over SW. slope.
80.71	The cor. of secs. 3, 4, 9 and 10. Land, rolling. Soil, sandy loam, gravelly, and clay. Timber, none.

General Description

The land within this township is rolling desert with low mountains in the NE. part which I subdivided. The elevation varies from 4900 feet above sea level on the desert to 6500 feet above sea level in the mountains. The area drains SW. into the desert.

The soil varies from sandy loam, gravel, and clay on the desert to clay and rocky on the mountains.

Principal users of the area are sheep and cattlemen and access into the township is provided by U. S. Highway 50 and 6 and desert roads. The surveyed line crossed U. S. Highway 50 and 6 on the east boundary between sections 25 and 36.

No mineral formations of consequence were noted during the survey.

Chains

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2 1-1

4-680
eb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
James R. Munson	Notekeeper
Wallace R. Ott	Chainman
Jerry Lee Thomas	Flagman
Clarence N. Carleton	Cornerman
Edwin P. Lister	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 4th day of August, 1[illegible] I have ~~surveyed~~ supervised the dependent and independent resurvey of the Snake Val Guide Meridian, along the east boundary, the north boundary, and a portion of the subdivision; and the survey of a portion of the subdivisional lines, completing survey of the subdivision of T. 20 S., R. 18 W.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed under my supervision ~~by me and under my direction~~; and 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 f[illegible] field notes.

Salt Lake City, Utah

January 29, 1960

Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 25 1960, *19*

The foregoing field notes of the ~~survey of~~ dependent and independent resurvey of the S[illegible] Valley Guide Meridian, along the east boundary, the north boundary, and a portion the subdivision; and the survey of a portion of the subdivisional lines, comple[illegible] the survey of the subdivision of T. 20 S., R. 18 W., Salt Lake Meridian, Utah executed by Lacel E. Bland, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Acting *Cadastral Engineering Staff Officer.*

CERTIFICATE OF TRANSCRIPT

[illegible] the foregoing [illegible] ipt of [illegible]

[illegible], is a true copy of the orig[illegible]

U. S. GOVERNMENT PRINTING OFFICE 16—53565-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE RETRACEMENT

OF

THE UTAH-NEVADA STATE BOUNDARY

BETWEEN MILE POST 62 AND MILE POST 81

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Leslie H. Godwin - Cadastral Surveyor

der special instructions dated April 16 *, 1958 , which provided*

the surveys included under Group No. 422 *, approved* May 9, 1958

l assignment instructions dated May 19 *, 1958*

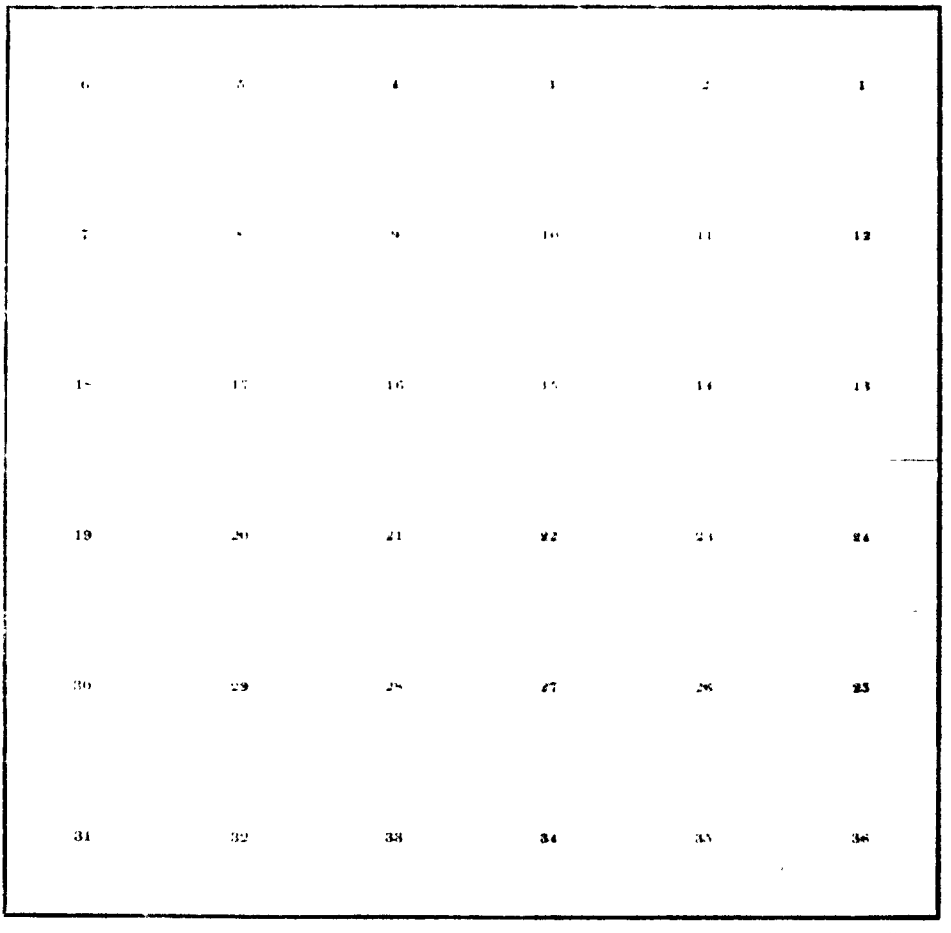
Survey commenced June 21 *, 1958*

Survey completed August 20 *, 1958*

U. S. GOVERNMENT PRINTING OFFICE : [illegible]

INDEX DIAGRAM

Township *Range*



Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81

Chains	
	The following field notes are those of the retracement of the State Boundary between Utah and Nevada from Mile Post 62 to Mile Post 81, monumenting all recovered mile post monuments with regulation iron posts. This portion of the Utah-Nevada State Boundary functions as the west boundary of Tps. 5, 6 and 7 S., R. 19 W., It was surveyed by J. E. James in 1870. In 1907 A. J. Stookey resurveyed the portion of the Utah-Nevada State Boundary that functions as the west boundary of T. 4 S., R. 19 W. and at that time reestablished and set a monument at the position for Mile Post 62. For tests and description of equipment and methods of survey used, see the field notes of the survey of T. 8 S., R. 17 W. under this same group by Leslie H. Godwin in 1958.
	Retracement of the survey executed by J. E. James in 1870. Beginning at Mile Post 62, which is monumented with a stone, 6x8x10 ins. above ground, mkd. 62 on S., U. on E. and N. on W., a mound of stone, 3 ft. base, 2 ft. high, E. of said stone. 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, with brass cap mkd. M.P. 62 Nev. | Utah 1958 Deposit original mile post stone N. of iron post. S. 2° 38' W., on the 63rd mile. Over rolling hills, general W. drainage, through scattered vegetation.
0.30	Spur, slopes W.; desc. SE. slope.
4.10	Draw, course NW.; asc. N. slope.
7.10	Point of spur, slopes W.; desc. 30 ft. over SW. slope.
10.90	Draw, course W.
11.56	The closing cor. of Tps. 4 and 5 S., R. 19 W., secs. 6 and 31, which is monumented with a quartzite stone, 18x8x8 ins., set, mkd. and witnessed as described in the official record of the survey of T. 4 S., R. 19 W. by A. J. Stookey in 1907. This cor. is remonumented with an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 5 S., R. 19 W., surveyed concurrently under this same group. Asc. 200 ft. through canyon which drains N. 5° W.
34.73	A granite stone, 60x12x10 ins., set in a mound of stone, 4 ft. base, 3 ft. high, set, mkd. and witnessed as described in the official record. Note: This point was originally established by J. E. James in 1870 to show the position of the State Boundary line in a more visible location than Mile Post 62, which point was hidden from view.
35.80	Crest of spur, slopes WNW.; desc. 160 ft. over rolling, broken general W. slope to Mile Post 63.
40.80	Head of canyon, course SW.
45.00	Point of spur, slopes SW.
52.30	Draw, course W.

Retracement of a Portion of the Utah-Nevada State Boundary
between Mile Post 62 and Mile Post 81

Chains	
55.70	Point of spur, slopes NW.
58.40	Draw, course NW.
63.20	Top of spur, slopes NW.
74.10	Draw, course W.
79.33	Mile Post 63, monumented with a limestone, 24x6x6 ins., set in a of stone, 4 ft. base, 3 ft. high, mkd. 63 on S. face, N. on W. face, U. on E. face.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	M.P. 63 Nev|Utah 1958
	Deposit original mile post monument N. of iron post.
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post.
	Land, broken. Soil, rocky. Vegetation, black sage.
	S. 0° 56' W., on the 64th mile.
	Over rolling hills, general W. drainage, through scattered vegetati desc. 120 ft. over broken, general SW. slope.
24.00	Ravine, course SW.; asc. 150 ft. over NW. slope.
56.00	Spur, slopes W.; desc. 50 ft. over SW. slope.
61.00	Ravine, course W.; asc. 70 ft. over NW. slope.
67.80	Crest of spur, slopes SW.; desc. 350 ft. over S. slope.
80.78	Original Mile Post 64, monumented with a basalt stone, 36x10x3 ins., set in a mound of stone, 4 ft. base, 3 ft. high, mkd. N. on W. face, U. on E. face and 64 on E. face.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, and in a mound of stone, 5 ft. base to top, with brass cap mkd.
	64 M Nev|Utah 1958
	Deposit original mile post monument N. of iron post.
	Cor. falls on steep rocky S. slope, below ledges.
	Land, broken, mountainous, general SW. drainage in N. ¾, SE. drainage in S. ¼. Soil, rocky. Vegetation, sagebrush, shadscale and Brigham tea.

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Retracement of a Portion of the Utah-Nevada State Boundary
between Mile Post 62 and Mile Post 81

Chains	
	S. 0° 14' E., on the 65th mile.
	Desc. 100 ft. over S. slope.
9.00	Bottom of slopes, thence across nearly level valley.
20.80	Wash, 50 lks. wide, 2 ft. deep, drains E.
21.60	Road, dirt, bears NW. and SE
69.70	Wash, 2 chs. wide, 3 ft. deep, drains NE.; asc. 100 ft. over N. slope.
89.10	Original Mile Post 65, monumented with a basalt stone, 10x12x12 ins., set in a mound of stone, 4 ft. base, 3 ft. high, mkd. N. on W. face, U. on E. face and 65 on S. face. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base to top, with brass cap mkd. 65 M Nev|Utah 1958 Deposit original mile post monument alongside iron post. Land, N. and S. portion semi-mountainous, center portion level valley. Soil, sandy and gravelly. Vegetation, moderate sagebrush, shadscale and Brigham tea.
	S. 0° 08' W., on the 66th mile.
	Over broken hills, through scattered vegetation; asc. 30 ft. over N. slope.
11.50	Saddle on spur, bears NE. and SW.; desc. 30 ft. over SE. slope.
17.20	Wash, 20 lks. wide, 6 ft. deep, drains E.; asc. 130 ft. over NE. slope.
27.00	Top of ascent on mountain; desc. 200 ft. over SE. slope.
74.00	Wash, 20 lks. wide, 2 ft. deep, drains SE.; asc. 150 ft. over NE. slope.
91.20	Original Mile Post 66, monumented with a basalt stone, 6x8x36 ins., set in a mound of stone, 5 ft. base, 4 ft. high, mkd. 66 on S. face, N on W. face and U on E. face. Set an iron p st, 30 ins. long, 2½ ins. diam., on solid bedrock, and in a mound of stone, 5 ft. base to top, with brass cap mkd. 66 M Nev|Utah 1958 Deposit original mile post monument N. of iron post. Land, broken hills, general E. drainage. Soil, gravelly and rocky. Vegetation, black sage, shadscale and Brigham tea.

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Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile P[illegible] t [illegible]

Chains	
	S. 0° 02' E., on the 67th mile.
	Over broken hills; desc. 140 ft. over broken general S. slope.
29.50	Spur, slopes SE.
40.50	Wash, 1 ch. wide, 2 ft. deep, drains E.; thence along nearly level ground, general E. drainage.
49.90	Wash, 50 lks. wide, 1 ft. deep, drains E.
53.90	Road, dirt, bears E. and W.
54.90	Wash, 50 lks. wide, 2 ft. deep, drains E.
68.70	Wash, 20 lks. wide, 2 ft. deep, drains ENE.
72.62	Point for Mile Post 67, at proportionate dist.; there is no remain evidence of the original mile post monument.
	Land, N. ½ broken hills, S. ½ nearly level, general E. drainage. Soil, sandy and gravelly. Vegetation, black sage, greasewood and shadscale.
	S. 0° 02' E., on the 68th mile, continuing same line and measurem[illegible]
	Over nearly level land.
77.20	Wash, 50 lks. wide, 3 ft. deep, drains NE.
91.00	Wash, 30 lks. wide, 2 ft. deep, drains ENE.
117.10	Wash, 20 lks. wide, 2 ft. deep, drains NE.
134.10	Low spur, slopes NW.
145.24	Point for Mile Post 68, at proportionate dist.; there is no remain evidence of the original mile post monument.
	Land, nearly level, general ENE. drainage. Soil, sandy and gravelly. Vegetation, greasewood, black sage and shadscale.
	S. 0° 02' E., on the 69th mile, continuing same line and measuremen
147.10	Wash, 10 lks. wide, 2 ft. deep, drains NE.
151.91	Point for the standard closing cor. of Ts. 5 and 6 S., R. 19 W.,m[illegible] mented and described in the field notes of the survey of the S. bd. of T. 5 S., R. 19 W.(First Standard Parellel South) by Leslie H. Godwin in 1958.
155.40	Wash, 20 lks. wide, 2 ft. deep, drains NE.
203.65	At this point I establish a witness point for the State Boundary between Utah and Nevada, on the N. side of the road between Gold Hill and Ibapah, Utah and U.S. Nevada Highway No. 50.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the gr[illegible] with brass cap mkd.

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Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81

Chains	
	W P Nev|Utah 1958 Set a wooden post, 4x4x48 ins., 36 ins. in the ground, N. of iron post. Continue same line and measurement.
217.86	Original Mile Post 69, monumented with a mound of earth, 5 ft. base, 1 ft. high, with a stone, mkd. Mile Post 69 in center. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. 69 M Nev|Utah 1958 Deposit original mile post monument alongside iron post. Land, nearly level. Soil, sandy. Vegetation, moderate black sage and shadscale.
	S. 0° 11' E., on the 70th mile. Over nearly level land, through scattered vegetation.
38.70	Low spur, slopes NW.
80.33	Original Mile Post 70, monumented with a cedar post, 4x4 ins., 5 ft. long, set in mound of earth, mkd. N on W. side, other marks illegible. Set an iron post, 30 ins. long, 2½ ins. dia., 20 ins. in the ground, with brass cap mkd. 70 M Nev|Utah 1958 Deposit original mile post monument N. of iron post. Land, nearly level. Soil, sandy. Vegetation, moderate black sage and shadscale.
	S. 0° 19' W., on the 71th mile. Over nearly level land, through scattered vegetation.
67.47	Wash, 30 lks. wide, 2 ft. deep, drains NE.
79.76	Original Mile Post 71, monumented with a cedar post, 5x5 ins., 36 ins. long, set in a mound of earth, marks barely discernable. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. 71 M Nev|Utah 1958

Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81

Chains	
	Deposit original mile post monument N. of iron post.
	Land, nearly level. Soil, sandy. Vegetation, moderate black sage and shadscale.
	S. 0° 06' W., on the 72nd mile.
	Over nearly level land, through scattered vegetation.
55.60	Road, dirt, bears E. and W.
63.10	Wash, 50 lks. wide, 2 ft. deep, drains NW.
80.10	Original Mile Post 72, monumented with a mound of earth, 4 ft. base, 1 ft. high, with stone, 6x2x10 ins., mkd. B.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the gro[illegible] with brass cap mkd. 72 M Nev|Utah 1958
	Deposit original mile post monument alongside iron post.
	Land, nearly level. Soil, sandy. Vegetation, scattered sagebrush and shadscale.
	S. 0° 16' W., on the 73rd mile.
	Over nearly level land.
11.00	Road, dirt, bears NE. and SW.; leave sagebrush flat, enter hills; asc. 500 ft. over broken hills, general N. drainage, to Mile Post 7
18.20	Road, dirt, bears SE. and NW.
71.10	Spur, slopes W.
74.00	Ravine, course NW.
79.75	Original Mile Post 73, monumented with a cedar post, 4x4 ins., 5 ft. long, set in a mound of earth and stone, 4 ft. base, mkd. 73 M on N. side, N on W. side and U on E. side.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the gr[illegible] and in a mound of stone, 3 ft. base to top, with brass cap mkd. 73 M Nev|Utah 1958
	Deposit original mile post monument N. of iron post.
	Cor. point falls 30 lks. W. of ravine, course N. for 5.00 chs., t[illegible] NW.
	Land, rolling hills, general NNW. drainage. Soil, rocky. Vegetation, scattered black sage and shadscale. Timber, scattered juniper.

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Retracement of a Portion of the Utah-Nevada State Boundary
between Mile Post 62 and Mile Post 81

Chains	
	S. 0° 02' E., on the 74th mile.
	Over rolling hills, general NW. drainage, through thinly scattered timber; asc. 260 ft. over NW. slope.
14.40	Spur, slopes W.; desc. 30 ft. over SW. slope.
20.20	Ravine, course W.; asc. 50 ft. over N. slope.
23.70	Spur, slopes W.; desc. 220 ft. over moderately steep, broken general WSW. slope to Mile Post 74.
33.90	Ravine, course W.
40.00	Spur, slopes SW.
68.20	Spur, slopes SW.
78.97	Original Mile Post 74, monumented with a cedar post, 4x4 ins., 5 ft. long, lying loose on top of mound of earth, 4 ft. base, mkd. 74 M on N. side, U on E. side and N on W. side. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. 74 M Nev | Utah 1958 Deposit original mile post monument N. of iron post. Land, rolling hills, general NW. drainage. Soil, rocky. Timber, scattered juniper. Vegetation, scattered black sage and shadscale.
	S. 0° 07' E., on the 75th mile.
	Over broken rolling hills, through thinly scattered timber; desc. 190 ft. over broken, general SW. slope across a series of spurs and washes.
4.50	Small rocky knoll, slopes SW.
15.57	Point for the closing cor. of Ts. 6 and 7 S., R. 19 W., monumented and described in the field notes of the concurrent survey of T. 6 S., R. 19 W.
21.00	Draw, course W.
24.90	Point of spur, slopes W.
31.00	Draw, course SW.
36.00	Spur, slopes SE.
55.00	Point of spur, slopes SE.; desc. 130 ft. over broken general E. slope to Mile Post 75.
69.00	Road, dirt, in wash, drains SE.
78.50	Spur, slopes NE.
79.47	Original Mile Post 75, monumented with a granite stone, 14x12x10 ins, lying loose on mound of earth and stone. Pieces of original cedar stake found lying loose, original markings barely discernable.

Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd. 75 M Nev | Utah 1958 Deposit original mile post monument N. of iron post. Raise a mound of earth and stone, 4 ft. base, 2 ft. high, N. of post Land, rolling broken hills. Soil, gravelly and rocky. Timber, scattered juniper. Vegetation, scattered black sage and shadscale.
	S. 0° 38' W., on the 76th mile. Over rolling broken hills, through scattered timber; asc. 240 ft. over rolling NE. slope to Mile Post 76.
1.90	Road, dirt, in wash which drains E., bears E. and SW.
4.30	Point of spur, slopes NE.
11.00	Spur, slopes E.
15.50	Draw, course NE.
18.40	Point of spur, slopes NE.
21.80	Draw, course NE.
26.30	Point of spur, slopes NE.
32.60	Draw, course NE.
38.80	Spur, slopes NE.
45.00	Ravine, course NE.
62.90	Ravine, course NE.
71.50	Spur, slopes NE.
79.60	Draw, course NE.
80.48	Original Mile Post 76, monumented with a cedar post, 4x4 ins., 5 ft. long, set in a mound of earth and stone, mkd. 76 M on N. side, U on E. side and N on W. side. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd. 76 M Nev | Utah .1958 Deposit original mile post monument N. of iron post. Land, rolling hills, general NE. slope. Soil, rocky. Timber, scattered juniper. Vegetation, moderate black sage and shadscale.

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Chains	
	S. 0° 12' W., on the 77th mile.
	Over rolling hills, through scattered timber; asc. 230 ft. over broken general E. slope to Mile Post 77.
4.00	Spur, slopes NE.
9.50	Ravine, course NE.
17.40	Spur, slopes SE.
20.80	Ravine, course SE.
23.80	Spur, slopes E.
28.60	Ravine, course NE.
35.30	Spur, slopes E.
40.30	Ravine, course ENE.
43.30	Spur, slopes ENE.
50.00	Ravine, course SE.
56.30	Spur, slopes SE.
77.00	Point of spur, slopes E.
78.70	Draw, course E.
79.01	Original Mile Post 77, monumented with a cedar post, 4x4 ins., 5 ft. long, set in a mound of earth and stone, 3 ft. base, mkd. N on W. side, U on E. side, 77 M on N. side.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, and in a mound of stone, 5 ft. base to top, with brass cap mkd. 77 M Nev | Utah 1958
	Deposit original mile post monument N. of iron post.
	Land, rolling hills, general NE. drainage. Soil, rocky. Timber, scattered juniper. Vegetation, scattered black sage and shadscale.
	S. 0° 07' W., on the 78th mile.
	Over rolling hills, through scattered timber; desc. 190 ft. over broken general E. slope to Mile Post 78.
3.00	Point of spur, slopes E.
7.90	Ravine, course ENE.
10.90	Crest of spur, slopes E.
15.30	Ravine, course E.
22.00	Saddle on spur, slopes E.
26.30	Ravine, course SE.
37.20	Head of ravine, course SE.

Chains	
43.20	Spur, slopes SE.
53.10	Head of ravine, course SE.
58.20	Spur, slopes SE.
64.80	Point of spur, slopes SE.
75.20	Draw, course SE.
77.70	Point of spur, slopes SE.
79.17	Original Mile Post 78, monumented with a cedar post, 4x4 ins., 5 ft. long, set in a mound of earth and stone, mkd. U on E. side, N on W. side and 78 M on N. face. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the gr · · with brass cap mkd. 78 M Nev|Utah 1958 Deposit original mile post monument N. of iron post. Land, rolling hills, general ESE. drainage. Soil, gravelly and rocky. Timber, scattered juniper. Vegetation, scattered black sage and shadscale.
	S. 0° 13' E., on the 79th mile. Over broken hills, through scattered timber; desc. 250 ft. over broken slopes, general SE. drainage to Mile Post 79.
8.40	Low spur, slopes SE.
62.10	Crest of spur, bears NW. and SE.
75.90	Ravine, course SE.
79.97	Original Mile Post 79, monumented with a cedar post, 4x4 ins., 4 ft. long, lying loose on mound of earth and stone, mkd. N on W. side, U on E. side. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone, 5 ft. base to top, with brass cap mkd. 79 M Nev|Utah 1958 Deposit original mile post monument N. of iron post. Land, rolling hills, general SE. drainage. Soil, gravelly and rocky. Timber, scattered juniper. Undergrowth, scattered black sage and shadscale.
	S. 0° 13' E., on the 80th mile. Over rolling hills, general E. drainage, through scattered timber.
0.90	Spur, slopes SE.; desc. 50 ft. over steep S. slope.

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Chains	
9.80	Deep ravine, course SE.; asc. 50 ft. over N. slope.
13.30	Sharp rocky spur, slopes SE.; desc. 200 ft. over SE. slope.
34.90	Wash, 1 ch. wide, 3 ft. deep, drains ESE., thence asc. 250 ft. over broken general NE. slope to Mile Post 80.
65.40	Spur, slopes E.
71.40	Draw, course NE.
79.37	Original Mile Post 80, monumented with a mound of earth and stone, pieces of cedar post lying loose on ground. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. 80 M Nev|Utah 1958 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of iron post. Note: Mile Post 80 falls on spur which slopes W. for 5 chs., thence S. Land, rolling hills, general E. drainage. Soil, gravelly and rocky. Timber, scattered juniper. Undergrowth, scattered black sage and shadscale.
	S. 0° 13' W., on the 81st mile. Over rolling hills, through scattered timber; desc. 140 ft. over general S. slope.
16.32	The closing cor. of Ts. 7 and 8 S., Rs. 19 and 20 W., monumented and described in the field notes of the concurrent survey of a portion of T. 7 S., R. 19 W. Continue descent, desc. 120 ft. over general SSE. slope to Mile Post 81.
55.60	Leave hills and timber, enter sagebrush flat, general SSE. slope.
79.66	Original Mile Post 81, monumented with a cedar post, 4x4 ins., 3 ft. long, lying loose by steel fence post in mound of earth. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd. 81 M Nev|Utah 1958 Deposit original mile post monument N. of iron post. Land, N. ½ broken hills, general S. drainage, S. ½ SSE. slope. Soil, sandy and gravelly. Timber, N. ½ scattered juniper, S. ½ none. Vegetation, scattered sagebrush and shadscale.

Retracement of a Portion of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81

Chains

GENERAL DESCRIPTION

The land between Mile Post 62 and Mile Post 81 on the State Boundary between Utah and Nevada is principally rolling and [illegible] with the exception of that portion between Mile Post 67 and 72 which is nearly level. There are many broken hills and slopes along this portion of the State Boundary, but major drainage pattern is towards Deep Creek, in a northerly and easterly direction. Deep Creek drains north and runs almost parallel to this boundary, approx. 2 miles [illegible] of it. Soil varies from sandy and gravelly in the level portions to rocky in the hills and mountainous. Vegetation consists mostly of black sage and shadscale, with some Brigham tea and sparse native grasses. Some scattered juniper is found between Mile Post 72 and Mile Post 80.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

4-680
Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jim Tyer	Read chainman
Dean Conklin	Instrumentman
Dean Burt	Front chainman
Karl Zarbock	Flagman
Stan Wilfong	Truck driver, Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Leslie H. Godwin, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 16th day of April, 1958 I have ~~surveyed~~ retraced a portion of the Utah-Nevada State Boundary, between Mile 62 and Mile Post 81.

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 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.

March 12, 1959

Salt Lake City, Utah

Leslie H. Godwin, Cadastral Surveyor.

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., NOV 3 1960, *19*

The foregoing field notes of the survey of the Utah-Nevada State Boundary between Mile Post 62 and Mile Post 81.

executed by Leslie H. Godwin, Cadastral Surveyor

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

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I hereby certify that the foregoing transcript of field notes of the survey of the Utah-Nevada State Boundary, is a true copy of the original field notes.

Cadastral Engineering Staff

U. S. GOVERNMENT PRINTING OFFICE 16—53505-3

4—679
tember 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF THE SOUTH BOUNDARY

DEPENDENT RESURVEY

OF THE NORTH BOUNDARY

INDEPENDENT RESURVEY AND SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 10 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Alburn D. Griffin, Cadastral Surveyor

Craig P. Sylvester, Cadastral Surveyor

der special instructions dated April 27, *19* 59, *which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

assignment instructions dated April 30, *19* 59

Survey commenced July 9, *19* 59

Survey completed July 31, *19* 59

INDEX DIAGRAM

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GPO 866119

Craig P. Sylvester _____

Alburn D. Griffin _____

Township 20 South, Range 10 West

Chains

The east boundary was surveyed by A. Nelson in 1934. The north and south boundaries and a portion of the subdivision were surveyed by G. O. Chaney in 1891. A portion of the west boundary was surveyed concurrently and shows in the field notes of T. 20 S., R. 11 W.

The following field notes are those of an independent resurvey of the south boundary, a dependent resurvey of the north boundary and an independent resurvey and survey of a portion of the subdivision of T. 20 S., R. 10 W. deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley Solar Transits Nos. 461263 and 541330 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 01' 28.1" N and longitude 112° 54' 52.3" W. as adjusted from traverses to U. S. G. S. triangulation station Standard G.L.O. brass cap stamped T25S R11-12W $\frac{S36|S31}{S\ 1}$ 1911; and C&GS station North End.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Independent Resurvey of the Fourth Standard Parallel South through R. 10 W., Superseding the Survey of G. O. Chaney in 1891 (no original corners were found on this line)

From the standard cor. of T. 20 S., Rs. 9 and 10 W., mkd. by an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

West, along the S. bdy. of sec. 36.

Over sharply rolling hills covered with low sage, june grass and shadescale; asc. 210 ft. over SE. slope.

Independent Resurvey, Fourth Standard Parallel South t' ch R.10 W.

Chains	
9.10	Spur, slopes S. about 5 chs. to end; desc. 120 ft. over W. slope.
13.70	Wash, 2 ft. deep, 20 lks. wide, drains S.; asc. 450 ft. over E. slc
36.00	Spur, slopes S.; desc. 60 ft. over W. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gro and in a mound of stone, 5 ft. base, to top, with brass cap mkd.
	T20S R10W S C ¼ S36 1959
	Desc. 70 ft. over W. slope.
44.00	Draw, drains S.; asc. 330 ft. over W. slope.
56.80	Top of ascent, bears N. and S.; desc. 90 ft. over W. slope on top o mountain.
71.50	Wash, 2 ft. deep, 15 lks. wide, drains N.; asc. 80 ft. over E. slo
80.00	Point for the standard cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T20S R10W S C S35 | S36 1959
	Cor. falls on top of long ridge which bears NW. and SE. irregularly
	Land, mountainous. Soil, rocks and gravel. Timber, very scattered scrub juniper.
	West, along the S. bdy. of sec. 35.
	Over mountainous desert land covered with scrub juniper and shadsca desc. 100 ft. along S. slope of ridge.
16.30	Draw, drains N.; asc. 130 ft. over NE. slope.
26.70	Saddle on top of ridge which bears NW. and SE.; desc. 160 ft. over slope.
36.00	Slope changes; desc. 50 ft. along S. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 5 ft. base, to top, with brass cap mkd.
	T20S R10W S C ¼ S35 1959

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Chains	
	Cont. along S. slope.
42.60	End of descent along S. slope; asc. 110 ft. over S. slope.
53.20	Spur, slopes S.; desc. 560 ft. over ledgy W. slope.
74.70	Wash at base of mountains, 2 ft. deep, 10 lks. wide, drains NW.; desc. 180 ft. over W. slope.
80.00	Point for the standard cor. of secs. 34 and 35.
	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, with brass cap mkd.
	T20S R10W S C S34 | S35 1959
	Land, mountainous desert. Soil, rocks and gravel. Timber, scattered juniper.
	West, along the S. bdy. of sec. 34.
	Over mountainous desert land covered with low sage and shadscale; desc. W. slope.
4.00	Wash, 3 ft. deep, 30 lks. wide, drains NW.; desc. gentle W. slope.
5.80	Bladed road, bears N. and S.; desc. 50 ft. over W. slope.
11.30	Draw, drains N.; asc. 80 ft. over E. slope.
17.20	Ridge, bears N. and S.; desc. 60 ft. over W. slope.
20.20	Head of small draw, drains S.; asc. 20 ft. over E. slope.
23.30	Spur, slopes NE.; desc. 200 ft. over NW. slope.
31.10	Draw, drains N.; asc. 60 ft. over E. slope.
38.60	Spur, slopes N.; desc. 30 ft. over W. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T20S R10W S C ¼ S34 1959
	Desc. 100 ft. over W. slope.
48.50	Wash, 3 ft. deep, 20 lks. wide, drains SW.; asc. 210 ft. over SE. slope.
64.90	Spur, slopes SW.; desc. 170 ft. over broken NW. slope.
80.00	Point for the standard cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Chains	
	T20S R10W S C S33|S34 1959
	Land, mountainous desert. Soil, rocks and gravel. Timber, none.
	West, along the S. bdy. of sec. 33.
	Over mountainous desert land; desc. 70 ft. over NW. slope.
3.20	Base of spur, bears S. and NE.; desc. 110 ft. over gentle W. slope; leave mountains.
23.70	Small wash, drains NW.; desc. 50 ft. over gentle W. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gro and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T20S R10W S C ¼ S33 1959
	Desc. 30 ft. over gentle W. slope.
52.00	Wash, 4 ft. deep, 30 lks. wide, drains NW.; desc. 10 ft. over gentl W. slope.
80.00	Point for the standard cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the grc and in a collar of stone, with brass cap mkd.
	T20S R10W S C S32|S33 1959
	Land, mountainous and rolling desert. Soil, rocks and gravel. Timber, none.
	West, along the S. bdy. of sec. 32.
	Over rolling desert land covered with shadscale and low sage; desc. 60 ft. over gentle W. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gr to bedrock and in a mound of stone, 4 ft. base, with brass cap mkd.
	T20S R10W S C ¼ S32 1959

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Chains	
.	Desc. 30 ft. over gentle W. slope.
80.00	Point for the standard cor. of secs. 31 and 32.
	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. T20S R10W S C S31 | S32 1959
	Land, rolling desert. Soil, gravel and clay. Timber, none.
	West, along the S. bdy. of sec. 31.
	Over rolling desert land, covered with shadscale and low sage; desc. 70 ft. over gentle W. slope.
40.00	Point for the standard ¼ sec. cor. of sec. 31.
	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. T20S R10W S C ¼ S31 1959
	Cont. over gentle W. slope.
47.00	E. shoreline of Sevier Lake Bed, bears N. and S.; cont. over level lake bed; leave vegetation.
80.00	Point for the standard 1/16 sec. cor. of sec. 31.
	Set a wooden post, 3x6 ins., 4 ft. long, 18 ins. in the ground, scribed with SC T20S R10W 1/16 S31 80 on the N. face.
	Deposit broken glass around post.
93.43	Intersect the E. bdy. of T. 20 S., R. 11 W.
	Point for the closing standard cor. of T. 20 S., R. 10 W.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with SC T20S R10W S31 CC on the E. face.
	Deposit broken glass around post.
	From this cor. the standard cor. of T. 20 S., R. 11 W. bears S. 19.25 chs. dist., a wooden post, described in the field notes of T. 20 S., R. 11 W.
	Land, rolling desert and level lake bed. Soil, clay on rolling land, muddy clay and alkali on lake bed. Timber, none.

Dependent Resurvey, N. Bdy., T. 20 S., R. 10 W.

Chains

Dependent Resurvey of the North Boundary of T. 20 S., R. 10 W.
Reestablishment of the survey executed by G. O. Chaney in 1891

From the cor. of Tps. 19 and 20 S., Rs. 9 and 10 W., monumented by iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

S. 89° 50' W., bet. secs. 1 and 36.

Over gently rolling land covered with shadscale; desc. 10 ft. over gentle NW. slope.

39.99 The original ¼ sec. cor. of secs. 1 and 36, monumented by a stone, 6 ins. x 8 ins. x 10 ins., firmly set, properly mkd.

At the cor. point

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

T19S R10W
¼ S36
S 1
T20S
1959

Deposit original cor. at base of iron post.

S. 89° 35' W., beginning new measurement.

Cont. over gently rolling desert land.

3.80 Unimproved road, bears NE. and SW.

12.60 Unimproved road, bears NW. and SE.

39.50 E. bank of the Sevier River Channel, bears N. and S.; cont. over bottom of river channel.

39.70 The original witness cor. of secs. 1, 2, 35 and 36, monumented by a sandstone, 8x8x10 ins., firmly set, properly mkd.

At the cor. point

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

T19S R10W
W S35 | S36
C S 2 | S 1
T20S
1959

Deposit original cor. at base of iron post.

40.01 Point for the original cor. of secs. 1, 2, 35 and 36 falls in the Sevier River Channel, where the cor. cannot be perpetuated.

Land, gently rolling.
Soil, clay.
Timber, none.

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Chains	
	S. 87° 32' W., bet. secs. 2 and 35.
	Cont. over bottom of Sevier River Channel.
.50	Dry channel of the Sevier River.
1.00	West bank of the Sevier River Channel, bears N. and S.; cont. over gently rolling desert land.
15.00	Small wash, drains SE.
40.19	The original ¼ sec. cor. of secs. 2 and 35, monumented by a sandstone, 8x10x14 ins., firmly set and properly mkd.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R10W ¼ S35 / S 2 T20S 1959
	Deposit original cor. at base of iron post.
	S. 88° 59' W., beginning new measurement.
	Cont. over nearly level land.
39.89	The original cor. of secs. 2, 3, 34 and 35, monumented by a sandstone, 4x6x14 ins., firmly set and properly mkd.
	At the cor. point
	Set an iron post, 30 ins.long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R10W S34 | S35 S 3 | S 2 T20S 1959
	Deposit original cor. at base of iron post.
	Land, gently rolling desert land. Soil, clay. Timber, none.
	S. 88° 51' W., bet. secs. 3 and 34.
	Over nearly level land, covered with a fair growth of shadscale.
40.16	The original ¼ sec. cor. of secs. 3 and 34, monumented by a sandstone, 6x8x14 ins., firmly set and properly mkd.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Dependent Resurvey, N. Bdy., T. 20 S., R. 10 W.

Chains	
	T19S R10W ¼ S34/S 3 T20S 1959
	Deposit original cor. at base of iron post.
	S. 88° 53' W., beginning new measurement.
	Cont. over nearly level land.
39.74	The original cor.of secs. 3, 4, 33 and 34, monumented by a sandst 4x6x14 ins., firmly set and properly mkd.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gro with brass cap mkd.
	T19S R10W S33 | S34 S 4 | S 3 T20S 1959
	Deposit original cor. at base of iron post.
	Land, nearly level desert. Soil, clay. Timber, none.
	S. 88° 52' W., bet. secs. 4 and 33.
	Over nearly level desert, covered with a fair growth of shadscale.
23.00	Unimproved road, bears N. and S.
32.00	E. edge of sand dunes.
40.00	The original ¼ sec. cor. of secs. 4 and 33, monumented by a wooden post, firmly set and properly mkd.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the groun with brass cap mkd.
	T19S R10W ¼ S33/S 4 T20S 1959
	Set original cor. alongside iron post.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of iron post.
	S. 88° 57' W., beginning new measurement.
	Cont. over nearly level desert.
11.50	Leave sand dunes.

Dependent Resurvey, N. Bdy., T. 20 S., R. 10 W.

Chains

40.15 **The original cor. of secs. 4, 5, 32 and 33, monumented by a sandstone, 6x8x12 ins., firmly set and properly mkd.**

At the cor. point

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

T19S R10W
S32 | S33
S 5 | S 4
T20S
1959

Deposit original cor. at base of iron post.

Land, nearly level desert.
Soil, clay.
Timber, none.

N. 89° 00' W., bet. secs. 5 and 32.

Over nearly level desert, covered with a fair growth of shadscale.

39.95 The original ¼ sec. cor. of secs. 5 and 32, monumented by a wooden post, firmly set and properly mkd.

At the cor. point

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

T19S R10W
¼ S32
S 5
T20S
1959

Set original cor. alongside iron post.

S. 89° 02' W., beginning new measurement.

Cont. over nearly level desert.

1.40 Unimproved road, bears N. and S.

40.06 **The original cor. of secs. 5, 6, 31 and 32, monumented by a sandstone 4x6x12 ins., firmly set and properly mkd.**

At the cor. point

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

T19S R10W
S31 | S32
S 6 | S 5
T20S
1959

Deposit original cor. alongside iron post.

Dependent Resurvey, N. Bdy., T. 20 S. R. 10 W.

Chains

Land, nearly level desert.
Soil, clay.
Timber, none.

S. 88° 59' W., bet. secs. 6 and 31.

Over nearly level desert, through a fair growth of shadscale.

40.11 The original ¼ sec. cor. of secs. 6 and 31, monumented by a juniper post, firmly set and properly mkd.

At the cor. point

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

T19S R10W
¼ S31 / S 6
T20S
1959

Deposit broken glass at base of iron post.

Set original cor. alongside of iron post.

S. 85° 11' W., beginning new measurement.

Over nearly level desert.

48.25 The original cor. of Tps. 19 and 20 S., Rs. 10 and 11 W., monument by a sandstone, 4x8x10 ins., firmly set and properly mkd.; this monument now functions as the cor. of T. 19 S., Rs. 10 and 11 E. on

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the grc with brass cap mkd.

T19S
R11W R10W
S36 | S31

T20S
1959

Bury original cor. alongside iron post.

Land, nearly level desert.
Soil, clay.
Timber, none.

Independent Resurvey of a Portion of the Subdivision of T.20 S.,R. Superseding the Survey of G. O. Chaney in 1891 (no original corners were found on this line)

From the standard cor. of secs. 33 and 34 on the S. bdy.

N. 0° 13' W., bet. secs. 33 and 34.

Over mountainous desert land; desc. 150 ft. over NW. slope.

4.50 Base of steep descent, bears NE. and SW.; desc. gradual NW. slope.

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Independent Resurvey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
11.00	Wash, 10 lks. wide, 4 ft. deep, drains NW.
39.30	Wash, 10 lks. wide, 2 ft. deep, drains NW.
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 collar of stone, with brass cap mkd.
	T20S R10W ¼ S33 | S34 1959
	Desc. 20 ft. over NW. slope.
49.70	Small wash, drains NW.
55.20	Wash, 10 lks. wide, 2 ft. deep, drains NW.
60.00	Small wash, drains NW.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T20S R10W S28 | S27 S33 | S34 1959
	Land, rolling. Soil, sandy loam and gravel. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	N. 0° 13' W., bet. secs. 27 and 28.
	Over gentle rolling desert land; desc. 20 ft. over slight NW. slope.
3.00	Wash, 15 lks. wide, 4 ft. deep, drains NW.
13.00	Dirt road, bears NE. and SW.
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 and in a collar of stone, with brass cap mkd.
	T20S R10W ¼ S28 | S27 1959
	Desc. 90 ft. over gentle NW. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	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.

Independent Resurvey, Portion of the Subdivisi T.20 S. R.10 W.

Chains

T20S R10W
S21 | S22
S28 | S27
1959

Land, rolling desert valley.
Soil, sandy loam and gravel.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

N. 0° 13' W., bet. secs. 21 and 22.

Over gentle rolling land; desc. 30 ft. over slight NW. slope.

5.50 Wash, 10 lks. wide, 2 ft. deep, drains W.

40.00 Point for the ¼ sec. cor. of secs. 21 and 22.

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

T20S R10W
¼
S21 | S22
1959

Desc. 30 ft. over gentle NW. slope.

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 groun
and in a collar of stone, with brass cap mkd.

T20S R10W
S16 | S15
S21 | S22
1959

Land, rolling.
Soil, sandy loam and gravel.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

N. 0° 13' W., bet. secs. 15 and 16.

Over rolling desert valley land; desc. 40 ft. over slight NW. slope

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 grc
and in a collar of stone, with brass cap mkd.

T20S R10W
¼
S16 | S15
1959

Desc. 20 ft. over slight NW. slope.

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

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

Independent Resurvey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains

T20S R10W
S 9 | S10
S16 | S15
1959

Land, low rolling desert.
Soil, sandy loam and alkali.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

N. 0° 13' W., bet. secs. 9 and 10.

Over rolling desert valley land; desc. slight NW. slope.

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 and in a collar of stone, with brass cap mkd.

T20S R10W
¼
S 9 | S10
1959

Desc. gradual NW. slope.

45.00 Dirt road, bears E. and W.

62.40 Wash, 25 lks. wide, 2 ft. deep, drains W.

69.00 Dry channel of Sevier River, drains W.

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

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.

T20S R10W
S 4 | S 3
S 9 | S10
1959

Land, rolling desert valley.
Soil, sandy loam and alkali.
Timber, none.
Undergrowth, scattered sagebrush and shadscale.

N. 0° 20' W., bet. secs. 3 and 4.

Over gentle rolling land; desc. 60 ft. over slight NW. slope.

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 stone, with brass cap mkd.

T20S R10W
¼
S 4 | S 3
1959

Desc. 40 ft. over NW. slope.

67.00 Wash, 15 lks. wide, 2 ft. deep, drains NW.

Independent Resurvey, Portion of Subdivision, T. 20 S. R. 10 W.

Chains	
80.29	The cor. of secs. 3, 4, 33 and 34.
	Land, rolling desert valley. Soil, sandy loam and alkali. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	Survey of a Portion of the Subdivision of T. 20 S., R. 10 W.
	From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp, w' is monumented by an iron post, 3 ins. diam., set, mkd. and witnes as described in the official record.
	S. 89° 58' W., bet. secs. 1 and 12.
	Over nearly level land.
28.40	Unimproved road, bears NW. and SE.
32.90	Small wash, drains NW.
39.30	Wash, 20 lks. wide, 3 ft. deep, drains NW.
39.96	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 gro with brass cap mkd.
	T20S R10W ¼ S 1 / S12 1959
	Raise a mound of stone, 2½ ft. base, 1½ ft. high, N. of iron post.
	From this cor., an unofficial cor. bears N. 12° 32' W., 46 lks. dis all evidence of this monument was destroyed.
	Desc. 20 ft. over gentle W. slope.
79.92	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 groun with brass cap mkd.
	T20S R10W S 2 | S 1 S11 | S12 1959
	Deposit charcoal at base of iron post.
	From this cor., an unofficial cor., bears N. 32° 45' W., 41 lks. fi all evidence of this cor. was destroyed.
	Land, gently rolling. Soil, clay. Timber, none.

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Survey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
	S. 89° 58' W., bet. secs. 2 and 11.
	Over gently rolling land, through a fair growth of shadscale and greasewood.
24.70	Unimproved road, bears NE. and SW.
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.
	T20S R10W ¼ S 2 S11 1959
	Deposit charcoal at base of iron post.
	From this cor., an unofficial cor. bears N. 64° 51' W., 52 lks. dist.; all evidence of this cor. was destroyed.
	Desc. 10 ft. over gentle W. slope.
70.60	The Sevier River, dry, 30 lks. wide, 3 ft. deep, meandering from the S. to the W.
77.60	Recross the Sevier River, drains N. 30° W.
79.92	Point for the cor. of secs. 2, 3, 10 and 11,
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R10W S 3 ¦ S 2 S10 ¦ S11 1959
	Deposit charcoal at base of iron post.
	From this cor., an unofficial stone cor., bears N. 80° 33' W., 53 lks. dist.; all evidence of this cor. was destroyed.
	Land, gently rolling. Soil, clay. Timber, none.
	S. 89° 58' W., bet. secs. 3 and 10.
	Over gently rolling desert land, through a fair growth of shadscale and greasewood.
8.50	The Sevier River, dry, 30 lks. wide, 3 ft. deep, drains S.; asc. 20 ft. over E. slope.
15.90	Meander terrace of the Sevier River.
39.96	Point for the ¼ sec. cor. of secs. 3 and 10,
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

Survey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
	T20S R10W ¼ S 3 S10 1959
	Deposit charcoal at base of iron post.
	From this cor., an unofficial stone cor., bears S. 87° 43' W., 15 dist.; all evidence of this cor. was destroyed.
	Cont. over gently rolling land.
79.92	The cor. of secs. 3, 4, 9 and 10.
	Land, gently rolling. Soil, clay. Timber, none.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 0° 15' W., bet. secs. 1 and 2.
	Over gently rolling land; desc. 40 ft. over gentle NW. slope.
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 grc with brass cap mkd.
	T20S R10W ¼ S 2 | S 1 1959
	Deposit charcoal at base of iron post.
	From this cor., an unofficial stone cor., bears N. 37° 39' W., 52 dist.; all evidence of this cor. was destroyed.
	Desc. 30 ft. over gentle NW. slope.
77.60	The Sevier River, dry, 40 lks. wide, 3 ft. deep, meandering from NW. to the NE.
84.20	The true point for the cor. of secs. 1, 2, 35 and 36 on the N. bdy. of the Tp.
	Land, gently rolling. Soil, clay. Timber, none.
	From the cor. of secs. 2, 3, 10 and 11.
	N. 0° 21' W., bet. secs. 2 and 3.
	Over gently rolling land, through a fair growth of shadscale and greasewood.
1.20	The Sevier River, dry, drains SE.; asc. 10 ft. over slight SW. slo
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 gr with brass cap mkd.

Survey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
	T20S R10W ¼ S 3 | S 2 1959
	Deposit glass at base of iron post.
	Cont. over gently rolling land.
81.83	The cor. of secs. 2, 3, 34 and 35 on the N. bdy. of the Tp.
	Land, gently rolling. Soil, clay. Timber, none.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over gently rolling desert, through a fair growth of shadscale.
	Desc. 50 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T20S R10W ¼ S16/S21 1959
	No suitable accessories available.
	Cont. over gently rolling desert.
40.30	Wash, 10 lks. wide, 2 ft. deep, drains NW.; desc. 40 ft. over gentle NW. slope.
77.30	E. edge of Sevier Lake bed, bears N. and S.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set a wooden post, 4x4 ins. x 4½ ft., 24 ins. in the ground, mkd. S16 on NE. face, S17 on NW. face, S20 on SW. face, and T20S R10W on SE. face.
	Deposit broken glass alongside of post.
	Land, gently rolling. Soil, clay. Timber, none.
	N. 0° 14' W., bet. secs. 16 and 17.
	Over the dry bed of Sevier Lake.
16.00	E. edge of Sevier Lake, bears NE. and SW.; cont. over gently rolling land, through a fair growth of shadscale.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

Survey of Portion of Subdivision T. 20 S. R. 10 W.

Chains	
	T20S R10W ¼ S17 | S16 1959
	Raise a collar of stone, around iron post.
51.60	Small wash, drains W.; desc. 10 ft. over gentle NW. 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 gr[illegible]d with brass cap mkd.
	T20S R10W S 8 | S 9 S17 | S16 1959
	Raise a collar of stone, around iron post.
	Land, gently rolling. Soil, clay. Timber, none.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Desc. 20 ft. over gently rolling land, through a fair growth of shadscale.
40.00	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set a wooden post, 4x4 ins. x 4½ ft., 24 ins. in the ground, mkd. S on N. face and T20S R10W on the S. face.
	Cont. over nearly level land.
76.80	Small wash, drains W.
80.00	The cor. of secs. 8, 9, 16 and 17.
	Land, nearly level. Soil, clay. Timber, none.
	From the standard cor. of secs. 35 and 36 on the S. bdy. of Tp.
	N. 0° 12' W., bet. secs. 35 and 36.
	Over rolling land; desc. 380 ft. over rolling NE. slope.
14.70	Draw, drains NW.; asc. 210 ft. over SW. slope.
23.40	Spur, slopes W.; desc. 80 ft. over NW. slope.
26.40	Draw, drains W.; asc. 100 ft. over SW. slope.
32.50	Spur, slopes W.; desc. 170 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.

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Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, to top, 5 ft. base, with brass cap mkd. T20S R10W ¼ S35 | S36 1959
	Desc. 160 ft. over NE. slope.
47.60	Ravine, drains W.; asc. 120 ft. over SW. slope.
67.50	Top of spur, slopes W.; desc. 170 ft. over NW. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, 4 ft. base, with brass cap mkd. T20S R10W S26 | S25 S35 | S36 1959
	Land, mountainous. Soil, sand, light clay and gravel. Timber, scattered scrub juniper. Undergrowth, scattered shadscale and sagebrush.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the Tp., monumented with an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.
	S. 89° 56' W., bet. secs. 25 and 36.
	Over broken land; asc. 360 ft. over steep E. slope.
23.30	Top of ridge, bears N. and S.; desc. 370 ft. over NW. slope.
40.02	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 and in a mound of stone to top, 4 ft. base, with brass cap mkd. T20S R10W ¼ S25 S36 1959
	Desc. 60 ft. over W. slope.
46.60	Draw drains NW.; asc. 40 ft. over NE. slope.
50.60	Top of spur, slopes NW.; desc. 350 ft. over SW. slope.
70.60	Draw, drains irregularly N.; asc. 130 ft. over NE. slope.
77.40	Top of spur, slopes N.; desc. 50 ft. over W. slope.
80.04	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, light clay and rocky. Timber, scattered scrub juniper.

Survey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
	From the standard cor. of secs. 32 and 33 on the S. bdy.
	N. 0° 14' W., bet. secs. 32 and 33.
	Over rolling land; desc. 70 ft. over gentle NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gr and in a collar of stone, with brass cap mkd.
	T20S R10W ¼ S32 | S33 1959
	Desc. 40 ft. over gentle NW. slope.
67.00	Wash, 15 lks. wide, 2 ft. deep, drains NW.; desc. 20 ft.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gro and in a collar of stone, with brass cap mkd.
	T20S R10W S29 | S28 S32 | S33 1959
	Land, low rolling desert. Soil, sandy loam and gravel. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the standard cor. of secs. 31 and 32 on the S. bdy.
	N. 0° 14' W., bet. secs. 31 and 32.
	Over gentle rolling desert land; desc. 20 ft. over NW. slope.
26.00	Wash, 10 lks. wide, 2 ft. deep, drains NW.; desc. 10 ft.
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 grc and in a collar of stone, with brass cap mkd.
	T20S R10W ¼ S31 | S32 1959
	Desc. 10 ft. over rolling NW. slope.
44.30	Wash, 10 lks. wide, 2 ft. deep, drains NW.
57.60	Small wash, drains NW.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gro and in a collar of stone, with brass cap mkd.

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Survey, Portion of Subdivision, T. 20 S., R. 10 W.

Chains	
	T20S R10W S30 | S29 S31 | S32 1959
	Land, low rolling desert. Soil, clay and alkali. Timber, none. Undergrowth, scattered sagebrush and shadscale.
	From the cor. of secs. 28, 29, 32 and 33.
	N. 89° 58' W., bet. secs. 29 and 32.
	Over rolling desert land; desc. slight NW. slope.
3.30	Small wash, drains NW.
6.40	Small wash, drains NW.
40.01	Point for the ¼ sec. cor. of secs. 29 and 32.
	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.
	T20S R10W ¼ S29 S32 1959
	Desc. 50 ft. over gentle NW. slope.
68.00	Wash, 10 lks. wide, 2 ft. deep, drains NW.
80.02	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling desert valley. Soil, clay and alkali. Timber, none. Undergrowth, scattered sagebrush and shadscale.

General Description

The terrain covered by T. 20 S., R. 10 W. varies from mountainous desert land to level Sevier Lake bed. The southeast portion of the township consists of the Cricket Mountains which bear northeast and southwest across the township; the middle portion consists of rolling desert land draining northwest to the lake bed; and the west portion consists of muddy lake bed.

An unimproved road enters the township on the south boundary of section 34, bears irregularly northeast along the base of the Cricket Mountains and leaves the township on the east boundary of section 13. There are a few trail roads branching out from this road leading to winter sheep camps and feed grounds. Mud prevents travel on the lake bed.

The soil consists of gravel and rocks on the mountains and higher slopes, sand and clay on the bottom land near the lake bed, and muddy clay mixed with alkali on the lake bed.

The elevation varies from 4,919 feet above sea level on the lake bed to about 6,300 feet on the Cricket Mountains.

The vegetation consists of shadscale, bunchgrass, low sage and greasewood near the lake bed. There is a scattered growth of scrub

Claims	
	juniper on the mountainous portion. No vegetation grows on the l bed.
	No permanent water was noted during the survey.

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4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Lynn S. Griffin	Notekeeper
Morris Blackburn	Chainman
Jeddie J. Judd	Cornerman
Larry Schlappi	Flagman
Dee Von Thompson	Transit (principal assistant)
Jerold Knight	Notekeeper
Orrin Jorgensen	Chainman
Gary Oviatt	Cornerman
Merril Maxfield	Flagman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 27th day of April, 1, I have ~~surveyed~~ supervised the independent resurvey of the south boundary; dependent resurvey of the north boundary; and independent resurvey and survey of a portion the subdivision of T. 20 S., R. 10 W.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed under my supervision ~~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 forego field notes.

Salt Lake City, Utah

May 2, 1960

Vern E. Lane

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C. DEC 1960, 19

The foregoing field notes of the ~~survey of~~ independent resurvey of the south boundary dependent resurvey of the north boundary; and independent resurvey and survey of a portion of the subdivision of T. 20 S., R. 10 W., Salt Lake Meridian, Utah

executed by Alburn D. Griffin, Cadastral Surveyor
Craig P. Sylvester, Cadastral Surveyor, under the supervision of
Vern E. Lane, Cadastral Surveyor

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

Cadastral Engineering Staff C

CERTIFICATE OF TRANSCRIPT

[illegible] the foregoing [illegible] of [illegible]

_____, is a true copy of the ori[illegible]

[illegible]

U. S. GOVERNMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY OF

A PORTION OF THE EAST BOUNDARY,

A DEPENDENT RESURVEY OF THE NORTH BOUNDARY,

AND THE

SURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 11 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Craig P. Sylvester, Cadastral Surveyor

Vern E. Lane, Cadastral Surveyor (Chief of Party)

der special instructions dated April 27, *1959*, *which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

l assignment instructions dated April 30, *1959*

Survey commenced July 20, *1959*

Survey completed October 8, *1959*

INDEX DIAGRAM

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GPO 866119

Township 20 South, Range 11 West

Chains

The north boundary was surveyed by A. J. Stewart Jr. in 1885. A portion of the west boundary was surveyed by A. J. Stewart Jr. in 1885, and dependently resurveyed concurrently and shows in the field notes of T. 20 S., R. 12 W.

The following field notes are those of a survey of a portion of the east boundary, a dependent resurvey of the north boundary and a survey of a portion of the subdivision of T. 20 S., R. 11 W.

Before restoring the corners the lines of the original survey were retraced and a diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corner had been exhausted.

The survey was executed with W. and L. E. Gurley solar transit No. 461263, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were measured by use of tellurometer. The details of such tellurometer measurements have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 39° 01' 15.3" N. and longitude 113° 01'44.7" W. as adjusted from traverses to U.S.C.& G.S. triangulation station North End.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of a Portion of the East Boundary of T. 20 S., R. 11 W.

The standard cor. of T. 20 S., R. 11 W. is established at a point 480.00 chs. E. of the theoretical point for the standard cor. of Ts. 20 S., Rs. 11 and 12 W. as described in the field notes of the survey of T. 20 S., R. 12 W. surveyed concurrently and under this same group. Distances were determined by use of a tellurometer and verified by closures made through surveyed lines.

Survey of a Portion of the East Boundary of T. 20 S., R. 11 W.

Chains	
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T20S R11W S36 SC on the W. face.
	Deposit glass around post.
	From this cor. the standard cor. of secs. 32 and 33, T. 20 S., R. W., bears W. 796.45 chs. dist., mkd. by an iron post, 2½ ins. diam. set, mkd. and witnessed as described in the field notes ot T. 20 S. R. 12 W.
	Thence
	North, along the E. bdy. of T. 20 S., R. 11 W. across inaccessible mud flats, with distances determined by tellurometer.
19.25	Point for the closing standard cor. of T. 20 S., R. 10 W.
400.00	Point for the cor. of secs. 1 and 12, T. 20 S., R. 11 W. only.
	Set a creosote treated wood post 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T. 20 S., R. 11 W. S1 on NW. face, S12 on SW. face and R10W on NE. face.
	Deposit glass around post.
	Land, level lake bed. Soil, muddy cla· ılkali. Vegetation, none.
	Thence, with distance by chaining.
	North, along the E. bdy. of sec. 1.
19.25	Point for the cor. of secs. 6 and 7, T. 20 S., R. 10 W. only.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R10W S6 on NE. face and S7 on SE. fac·
	Deposit glass around post.
40.00	Point for the ¼ sec. cor. of sec. 1, T. 20 S., R. 11 W. only.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W ¼ S1 on W. face.
	Deposit glass around post.
51.25	Shore line of Sevier Lake bed, bears W. and S. 85° E. irregularly, thence through small sand dunes, over gentle S. slope.
54.85	Sevier River bed, 6 ft. deep, 80 lks. wide, drains SW.; asc. gentle S. slope.
59.25	Point for the ¼ sec. cor. of sec. 6, T. 20 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the grc·· ; in a collar of stone, with brass cap mkd.

T20S
R11W | R10W
¼
S6
1959

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Survey of a Portion of the East Boundary of T. 20 S., R. 11 W.

Chains	
80.00	Point for the 1/16 sec. cor. of sec. 1, T. 20 S., R. 11 W. only. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd. T20S R11W R10W 1/16 | S1 | 80 1959
92.85	Intersect the S. bdy. of T. 19 S., R. 11 W. Point for the closing Tp. cor. of Tps. 20 S., Rs. 10 and 11 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd. T19S R11W S36 S1 | S6 R11W R10W T20S From this cor. the cor. of Ts 19 S., Rs. 10 and 11 W. bears N. 89° 12' E., 2.79 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the dependent resurvey of the N. bdy. of T. 20 S., R. 10 W. Land, level lake bed and gentle W. slope on N. shore of lake bed. Soil, muddy clay alkali on lake bed, sand and clay on shore. Vegetation, none.

Dependent Resurvey of the North Boundary of T. 20 S., R. 11 W.
(the South Boundary of T. 19 S., R. 11 W.)

Reestablishment of survey executed by A. J. Stewart Jr. in 1885.

From the cor. of Ts 19 S., Rs. 10 and 11 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the dependent resurvey of the N. bdy. of T. 20 S., R. 10 W.

S. 89° 12' W., along the S. bdy. of sec. 36.

Over gently rolling desert land, covered with shadscale, draining S.

7.00	Wash, 10 lks. wide, 2 ft. deep, drains S.; cont. along gentle S. slope.
27.70	Enter white clay bottom land draining S.
40.13	Point for the ¼ sec. cor. of sec. 36, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, in a collar of stone, with brass cap mkd. T19S R11W ¼ S36 T20S 1959

Cont. across rolling bottom land draining S.

Dependent Resu v of the North Boundary of T. 20 S. R. 11 W.

Chains	
40.56	Small wash, drains S.
54.30	Small wash, drains S.
62.30	Small wash, drains S.
69.90	Small wash, drains S.
80.26	Point for the cor. of secs. 35 and 36, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T19S R11W S36 on NE. face and S35 on NW. face.
	Place a collar of stone around post.
	Land, rolling bottom land. Soil, sand and clay. Timber, none. Vegetation, none.
	S. 89° 12' W., along the S. bdy. of sec. 35.
	Over white clay bottom land draining S.
6.30	Small wash, drains S.
16.00	Shoreline of Sevier Lake bed, bears N. 80° W. and S. 80° E., irregularly; leave vegetation, cont. across level lake bed.
40.13	Point for the ¼ sec. cor. of sec. 35, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T19S R11W ¼ S35 on N. face.
	Place a collar of stone around post.
	Cont. across level lake bed.
80.26	Point for the cor. of secs. 34 and 35, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T19S R11W S35 on NE. face and S34 on NW. face.
	Place collar of stone around post.
	Land, rolling bottom land and level lake bed. Soil, clay and sand on shore, muddy clay alkali on lake bed. Timber, none. Vegetation, none.
	S. 89° 12' W., along S. bdy. of sec. 34, T. 19 S., R. 11 W.
	Over level land of Sevier Lake bed, near N. shoreline.
40.13	Point for the ¼ sec. cor. of sec. 34, T. 19 S., R. 11 W. only, at proportionate dist. There is no remain[illegible] evidence of the ori[illegible]

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Dependent Resurvey of the North Boundary of T. 20 S., R. 11 W.

Chains	
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T19S R11W ¼ S34 on N. face.
	Cont. across lake bed.
58.50	Shoreline of lake bed, bears NE. and SW. irregularly; asc. gentle S. slope on N. shore of lake bed.
75.40	Enter vegetation, shadscale and greasewood.
80.26	Point for the cor. of secs. 33 and 34, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T19S R11W S33 | S34 T20S 1959
	Raise a mound of stone N. of iron post.
	Land, level lake bed and rolling shoreline. Soil, clay alkali on lake bed, sand and clay on shore. Timber, none. Vegetation, none on lake bed, shadscale and greasewood on shoreline.
	S. 89° 12' W., along the S. bdy. of sec. 33, T. 19 S., R. 11 W.
	Over rolling desert land draining S.; asc 10 ft.
40.13	Point for the ¼ sec. cor. of sec. 33, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, in a mound of stone, 2½ ft. base to top, with brass cap mkd.
	T19S R11W ¼ S33 T20S 1959
	Asc. along gentle S. slope.
60.50	Unimproved road, bears N. and S.
80.26	Point for the cor. of secs. 32 and 33, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, in a collar of stone, with brass cap mkd.
	T19S R11W S32 | S33 T20S 1959
	Land, rolling S. slope. Soil, clay, sand and gravel spots. Timber, none. Vegetation, shadscale and greasewood.

Dependent Resurvey of the North Boundary of T. 20 S., R. 11 W.

Chains	
	S. 89° 12' W., along the S. bdy. of sec. 32, T. 19 S., R. 11 W.
	Over gently rolling desert land covered with shadscale and greasewood.
40.13	Asc. 10 ft. along gentle S. slope. Point for the ¼ sec. cor. of sec. 32, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground in a collar of stone, with brass cap mkd.
	T19S R11W ¼ S32 T20S 1959
80.26	Asc. 10 ft. along gentle S. slope. Point for the cor. of secs. 31 and 32, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground in a collar of stone, with brass cap mkd.
	T19S R11W S31 | S32 T20S 1959
	Land, rolling S. slope. Soil, clay, sand and gravel spots. Timber, none. Undergrowth, shadscale and greasewood.
	S. 89° 12' W., along the S. bdy. of sec. 31, T. 19 S., R. 11 W.
	Over rolling desert land, covered with shadscale; drains S.
12.10	Small wash, drains SW.; asc. gentle S. slope.
40.13	Point for the ¼ sec. cor. of sec. 31, T. 19 S., R. 11 W. only, at proportionate dist. There is no remaining evidence of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground in a collar of stone, with brass cap mkd.
	T19S R11W ¼ S31 T20S 1959
	Cont. along gentle S. slope.
46.30	Unimproved road, bears NE. and SW.; cont. along gentle S. slope.
61.60	Small wash, drains S.; cont. along gentle S. slope.
74.20	U. S. Highway Nos. 6 and 50, hard surfaced, bears N. 53° 13' E. and S. 53° 13' W.; cont. along gentle S. slope.
80.26	The original cor. of Tps. 19 and 20 S., Rs. 11 and 12 W., a sandstone 14x12x4 ins., set, mkd. and witnessed as described in the official record.

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Chains

At the cor. point

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

T19S
R12W R11W
S36 | S31
S1 | S6
T20S
1959

Deposit original cor. N. of iron post.

Land, rolling S. slope.
Soil, sand, clay and gravel spots.
Timber, none.
Vegetation, shadscale.

Survey of a Portion of the Subdivision of T. 20 S., R. 11 W.

True point for the ¼ sec. cor. on the N. bdy. of sec. 1, established on the S. bdy. of T. 19 S., R. 11 W. at a westing of 40.00 chs. from the closing Tp. cor. of Ts 20 S., Rs. 10 and 11 W., falls in a small wash draining S. and cannot be perpetuated.

The point selected for the witness ¼ sec. cor. of sec. 1, bears S. 89° 12' W., 10 lks. dist.

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

¼ → W
S1 C
T20S R11W
1959

From the true point for this cor. the ¼ sec. cor. of sec. 36, T. 19 S., R. 11 W. bears N. 89° 12' E., 2.66 chs. dist., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the field notes of the dependent resurvey of the S. bdy. of T. 19 S., R. 11 W.

Point for the cor. of secs. 1 and 2 is established on the S. bdy. of T. 19 S., R. 11 W. at a westing of 80.00 chs. from the closing cor. of Ts 20 S., Rs. 10 and 11 W.

Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T20S R11W S1 on SE. face, S2 on SW. face.

Place a collar of stone around post.

From this cor. the cor. of secs. 35 and 36, T. 19 S., R. 11 W. bears N. 89° 12' E., 2.53 chs. dist., a wood post, 4x4 ins., set, mkd. and witnessed as described in the field notes of the depenent resurvey of the S. bdy. of T. 19 S., R. 11 W.

Survey of a Portion of the Subdivision of T. 20 S. R. 11 W.

Chains	
°	Point for the ¼ sec. cor. on the N. bdy. of sec. 2 is established the S. bdy. of T. 19 S., R. 11 W. at a westing of 120.00 chs. from the closing Tp. cor. of Ts. 20 S., Rs. 10 and 11 W.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. the ground, scribed with T20S R11W ¼ S2 on the N. face.
	Deposit a collar of stone around post.
	From this cor. the ¼ sec. cor. of sec. 35, T. 19 S., R. 11 W. bear N. 89° 12' E., 2.40 chs. dist., a wood post, 4x4 ins., set, mkd. witnessed as described in the field notes of the dependent resurve of the S. bdy. of T. 19 S., R. 11 W.
	Point for the cor. of secs. 2 and 3 is established on the S. bdy. T. 19 S., R. 11 W. at a westing of 160.00 chs. from the closing Tp cor. of Ts. 20 S., Rs. 10 and 11 W.
	Set a creosote treated wood post, 4x4 ins, 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W S2 on the SE. face and S3 on th SW. face.
	Deposit a collar of stone and glass around post.
	From this cor. the cor. of secs. 34 and 35, T. 19 S., R. 11 W. bea N. 89° 12' E., 2.27 chs. dist., a wood post, 4x4 ins., set, mkd. witnessed as described in the field notes of the dependent resurvey of the S. bdy. of T. 19 S., R. 11 W.
	From the cor. of secs. 1 and 2.
	S. 0° 01' E., bet. secs. 1 and 2.
	Over level muddy land of Sevier Lake bed.
11.73	Point for the 1/16 sec. cor. of secs. 1 and 2.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W 1/16 S2 on W. face and S1 80 on the E. face.
	Deposit glass around poast.
	Cont. over level lake bed.
51.73	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W ¼ S2 on W. face and S1 on E. fac
	Deposit glass around post.
52.70	Trace of old river bed, drains SW.
91.73	Point for the cor. of secs. 1, 2, 11 and 12.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T20S R11W S1 on NE. face, S2 on NW. face, S11 on SW. face and S12 on SE. face.
	Land, level lake bed. Soil, muddy clay alkali. Timber, none. Vegetation none.

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Survey of a Portion of the Subdivision of T. 20 S., R. 11 W.

Chains	
	West, bet. secs. 2 and 11, on a line calculated bet. secs. 1 and 12 on the E. bdy. and the position calculated for the cor. of secs. 3, 4, 9 and 10.
	Over level and muddy land of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W ¼ S2 on N. face and S11 on S. face.
	Deposit broken glass around post.
	Cont. over level lake bed.
76.00	Trace of old river bed, drains SW.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W S2 on NE. face, S3 on NW. face, S10 on SW. face and S11 on SE. face.
	Deposit glass around post.
	Land, level lake bed. Soil, muddy clay alkali. Timber, none. Vegetation, none.
	N. 0° 01' E., bet. secs. 2 and 3.
	Over muddy and level land of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W ¼ S2 on E. face and S3 on W. face.
	Deposit broken glass around post.
	Cont. across muddy lake bed.
80.00	Point for the 1/16 sec. cor. of secs. 2 and 3.
	Set a creosote treated wood post, 4x4 ins., 4½ ft. long, 20 ins. in the ground, scribed with T20S R11W 1/16 S2 80 on E. face and S3 on W. face.
	Deposit broken glass around post.
	Cont. across level lake bed.
90.62	The cor. of secs. 2 and 3.
	Land, level lake bed. Soil, muddy clay alkali. Timber, none. Vegetation, none.

Township 20 South, Range 11 West

Chains

GENERAL DESCRIPTION

With the exception of the extreme north portion of the township, T. 20 S., R. 11 W. consists of rolling desert land draining south into the lake bed.

There are a few trail roads in the north portion of the township. Highway Nos. 6 and 50 crosses the northwest corner of the township 4.40 chains south of the northwest township corner.

The vegetation consits of shadscale, scattered bunch grass and greasewood on the north portion. No vegetation grows on the lake bed.

The elevation varies from 4,519 feet above sea level on the lake bed to about 4,550 in the nor th portion.

The soil is clay and sand in the north portion, muddy clay mixed with alkali on the lake bed.

No permanent water was noted during the survey.

U. S. GOVERNMENT PRINTING OFFICE 16—28580-2

1-680
b., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dee Von Thompson	Transitman (Principal Assistant)
Jerald Knight	Notekeeper
Orrin Jorgensen	Chainman
Merril Maxfield	Flagman
Gary Oviatt	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 27th day of April, 1960, I have ~~surveyed~~ supervised the survey of a portion of the east boundary, the dependent resurvey of the north boundary and the survey of a portion of the subdivision of T. 20 S., R. 11 W.

of the Salt Lake Meridian, in the State of Utah, which is represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision; 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 18, 1960

Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., [illegible], *19*

The foregoing field notes of the survey of a portion of the east boundary, the dependent resurvey of the north boundary and the survey of a portion of the subdivision of T. 20 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff C

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. [illegible] R. 11 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Offic

U. S. GOVERNMENT

4—679
ptember 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF A PORTION OF THE FOURTH STANDARD PARALLEL SOUTH

AND PORTIONS OF THE NORTH AND EAST BOUNDARIES

AND A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 20 SOUTH, RANGE 12 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Eldon W. Sibley, Cartographic Survey Aid

der special instructions dated April 27 *, 19*59 *, which provided*

the surveys included under Group No. 411 *, approved* April 27, 1959

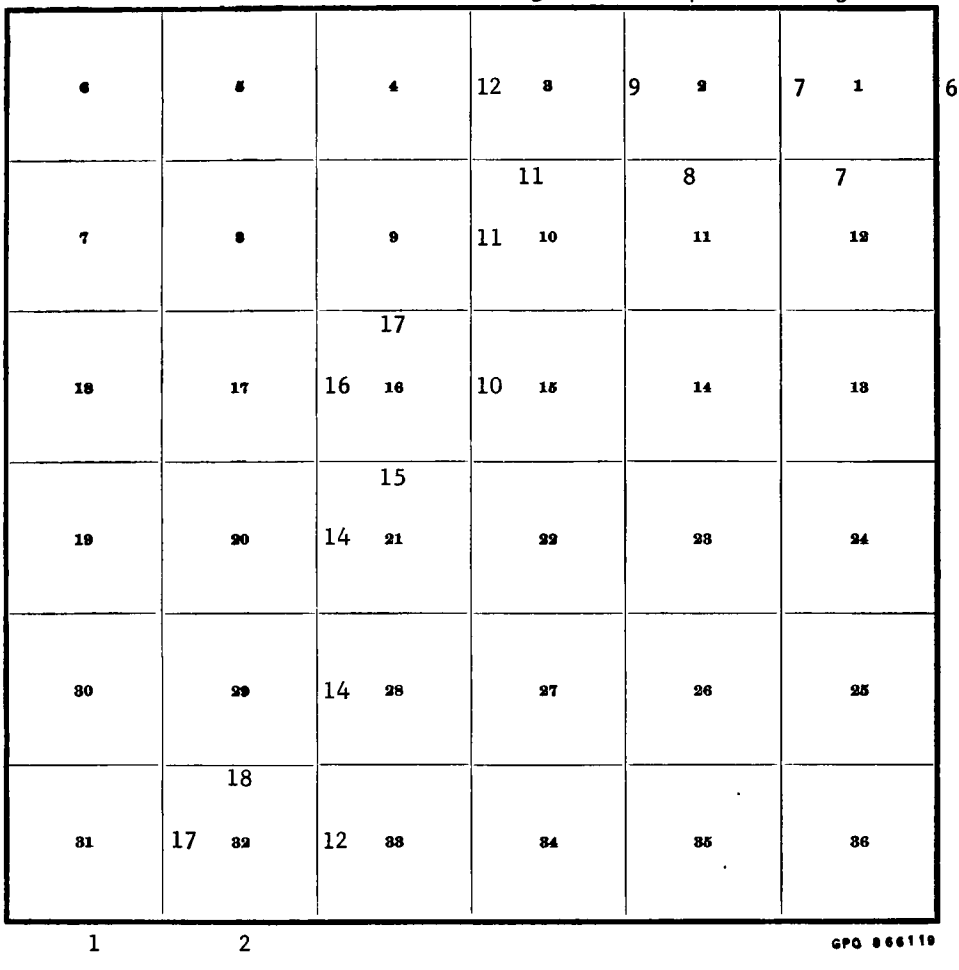
l assignment instructions dated April 30 *, 19*59

Survey commenced July 22 *, 19* 59

Survey completed September 24 *, 19* 59

INDEX DIAGRAM

Township 20 South , *Range* 12 West



GPO 866119

Chains

The west and north boundaries, portions of the east and south boundaries and a portion of the subdivision were originally surveyed by A. J. Stewart Jr. in 1885. A. J. Stewart Jr. also surveyed the meander lines adjacent to the Sevier Lakebed but since the lakebed was not considered a perennial lake at the time Utah became a state these meander lines no longer serve any useful function. The west boundary was dependently resurveyed concurrently under Group 272 and is recorded in the field notes of T. 20 S., R. 13 W.

The following field notes are those of the dependent resurvey of a portion of the Fourth Standard Parallel South and portions of the north and east boundaries and subdivision of T. 20 S., R. 12 W., and original survey of a portion of the east and south boundaries of section 16 and a portion of the east boundary of section 32.

For a description of the instruments and methods used see page 1 of the field notes of the survey of T. 20 S., R. 13 W.

Original meander corners recovered during this survey were remonumented as meander corners but function as angle points only.

Before restoring the corners, the lines of the original survey were retraced and a diligent search made to recover the original monuments and calls of the original survey. The rules of proportionate measurement were applied to restore the several lost corners.

The survey of the Fourth Standard Parallel South was discontinued at the standard corner of sections 32 and 33 in R. 12 W., since it was impossible to traverse the bed of the Sevier Lake on foot because of its boggy condition. The survey of the east boundary was terminated at the corner of sections 1, 6, 7 and 12 for the same reason.

The geographic position for the theoretical position for the southeast corner of the township is latitude 39° 01' 15.3" N. and longitude 113° 08' 26.0" W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Dependent Resurvey of a Portion of the Fourth Standard Parallel South in Range 12 West

---

Reestablishment of surveys executed by A. J. Stewart Jr. in 1885.

Beginning at the remonumented SW. cor. of T. 20 S., R. 12 W., mkd. by an iron post, 3 ins. diam., firmly set, mkd. and witnessed as described by W. W. Bandy in 1925 in the record of the independent resurvey of the Sevier Lake Guide Meridian bet. Rs. 12 and 13 W. in T.21 S.

N. 88° 45' E., on the S. bdy. of Sec. 31.

Over nearly level land.

7.93 The closing cor. of T. 20 S., R. 13 W. and T. 21 S., R. 12 W., and iron post, 2½ ins. diam., described in the field notes of T. 21 S., R. 12 W.

0.20 The standard ¼ sec. cor. of sec. 31, mkd. by the original monument, a limestone, 8x6x4 ins., firmly set and plainly mkd.

At the point for the cor.

Dependent Resurvey, Portion of Fourth Standard Parallel South, R. 12 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the grc · with brass cap mkd.
	T20S R12W S C ¼ S31 1959
	Build a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.
	Bury the original cor. monument alongside the iron post.

	S. 88° 48' E., beg. new measurement.
32.00	Wash, 20 lks. wide, 2 ft. deep, course S. 60° E.
39.01	The standard cor. of secs. 31 and 32, mkd. by the original monument, a limestone, 12x12x6 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the grc · with brass cap mkd.
	T20S R12W S C S31 | S32 1959
	Build a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.
	Bury the original monument alongside the iron post.
	Land, nearly level. Soil, light clay and sand. Timber, none.
	N. 88° 05' E., on the S. bdy. of sec. 32.
	Over nearly level land.
20.20	Wash, 40 lks. wide, 2 ft. deep, drains S. 20° E.
36.60	Wash, 20 lks. wide, 2 ft. deep, drains S. 80° E.
40.82	The standard ¼ sec. cor. of sec. 32, mkd. by the original cor., a limestone, 16x12x4 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T20S R12W S C ¼ S32 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post.
	Bury the original cor. alongside the iron post.

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Dependent Resurvey, Portion of Fourth Standard Parallel South, R. 12 W.

Chains	
	N. 89° 12' E., beg. new measurement.
	Over nearly level land.
23.60	Wash, 40 lks. wide, 2 ft. deep, course NE.
37.00	Wash, 30 lks. wide, 2 ft. deep, course NE.
40.03	The standard cor. of secs. 32 and 33, mkd. by the original monument, a limestone, 16x8x4 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T20S R12W S C S32 | S33 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post.
	Bury the original cor. alongside the iron post.
	At an easting of 8.93 chs. from this standard cor., I make a diligent search for the monument originally set for the meander cor. of sec. 33. There is no remaining evidence of the cor. and the position is not remonumented
	From this cor., the theoretical point for the standard cor. of T. 20 S., Rs. 11 and 12 W., bears E., 316.45 chs. dist.
	From this standard cor., the closing cor. of secs. 4 and 5, T. 21 S., R. 12 W., bears E., 1.41 chs. dist., an iron post, 2½ ins. diam., described in the field notes of the survey of T. 21 S., R. 12 W.
	Land, nearly level. Soil, light clay and gravel. Timber, none.

Dependent Resurvey of a Portion of the N. Bdy. of T. 20 S., R. 12 W.

	Reestablishment of the survey executed by A. J. Stewart dr. in 1885.
	Beginning at the cor. of Ts. 19 and 20 S., Rs. 11 and 12 W., which is mkd. by an iron post, 2½ ins. diam., described in the field notes of the resurvey of the N. bdy. of T. 20 S., R. 11 W.
	S. 89° 05' W., bet. secs. 1 and 36.
	Over nearly level land.
40.23	The ¼ sec. cor. of secs. 1 and 36, mkd. by the original cor., a limestone, 6x5x3 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T19S R12W ¼ S36 S 1 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post.

Dependent Resurvey, Portion of N. Bdy., T. 20 S., R. 12 W.

Chains	
	Bury the original cor. alongside the iron post.
	S. 89° 11' W., beg. new measurement.
	Cont. over nearly level land.
39.30	Fence, bears N. and S.
40.25	The cor. of secs. 1, 2, 35 and 36, mkd. by the original cor., a lime stone, 16x10x3 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T19S R12W S35 | S36 S 2 | S 1 T20S 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron pos
	Bury the original cor. alongside the iron post.
	Land, nearly level. Soil, light clay and gravel. Timber, none.
	S. 89° 18' W., bet. secs. 2 and 35.
	Over nearly level land.
8.90	Wash, 60 lks. wide, 2 ft. deep, course S. 60° E.
40.27	The ¼ sec. cor. of secs. 2 and 35, mkd. by the original monument, a limestone, 6x4x3 ins., firmly set, and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.
	T19S R12W ¼ S35 S 2 T20S 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post
	Bury the original cor. alongside the iron post.
	From this cor. U. S. G. S. Triangulation Station "NORTH END" bears N. 47° 23' E., 35.40 chs. dist., a brass tablet, seated in a concret monument conforming to the record.

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Chains

S. 89° 25' W., beg. new measurement.

Cont. over nearly level land.

6.80 Wash, 20 lks. wide, 2 ft. deep, course S. 60° E.

40.30 The cor. of secs. 2, 3, 34 and 35, mkd. by the original monument, a limestone, 12x4x4 ins., firmly set and plainly mkd.

At the point for the cor.

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

T19S R12W
S34 | S35
S 3 | S 2
T20S
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. monument alongside the iron post.

Land, nearly level.
Soil, sandy clay and gravel.
Timber, none.

S. 89° 07' W., bet. secs. 3 and 34.

Over nearly level land.

8.80 Wash, 30 lks. wide, 3 ft. deep, drains S. 70° E.

40.39 The ¼ sec. cor. of secs. 3 and 34, mkd. by the original cor., a limestone, 14x8x5 ins., firmly set, and plainly mkd.

At the point for the cor.

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

T19S R12W
¼ S34
S 3
T20S
1959

Build a mound of stone, 3 ft.base, 1½ ft. high, N. of the iron post.

Bury the original cor. monument alongside the iron post.

S. 89° 28' W., beg. new measurement.

Cont. over nearly level land.

40.21 The cor. of secs. 3, 4, 33 and 34, mkd. by the original monument, a limestone, 10x6x4 ins., firmly set and plainly mkd.

At the point for the cor.

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

Dependent Resurvey, Portion of N. Bdy., T. 20 S., R. 12 W.

Chains

T19S R12W
S33 | S34
S 4 | S 3
T20S
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

Dependent Resurvey of a Portion of the E. Bdy., of T. 20 S., R. 12 W.

Reestablishment of the survey executed by A. J. Stewart Jr. in 1885.

From the cor. of Ts. 19 and 20 S., Rs. 11 and 12 W., which is mkd. by an iron post, 2½ ins. diam., described in the field notes of the resurvey of the N. bdy. of T. 20 S., R. 11 W.

South, bet. secs. 1 and 6.

Over nearly level land.

4.40 U.S.Highway Nos.6 & 50,asphalt surface,bears N.53¼°E. and S.53¼° W.

40.00 Point for the ¼ sec. cor. of secs. 1 and 6, at record dist.; there no remaining evidence of the original cor.

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

T20S
R12W R11W
¼
S 1 | S 6
1959

No accessories available.

54.40 Enter Sevier Lake bed, bears E. and SW.

80.00 Point for the cor. of secs. 1, 6, 7 and 12, at record dist.; there no remaining evidence of the original cor.

Set a squared fir post, 4x4x54 ins., 24 ins. in alkaline mud with 5 notches on the S. cor., 1 notch on the N. cor. and 6 notches on the E. cor.

No accessories available.

At a southing of 20.00 chs. from this cor., I make a diligent search for the monument originally set to function as the meander cor. of secs. 7 and 12. There is no remaining evidence of the cor. and the position is not remonumented

From this cor., the theoretical point for the standard cor. of T. 20 S., Rs. 11 and 12 W., bears S., 405.83 chs. dist.

Land, nearly level.
Soil, light clay and gravel, N. 50 chs.; alkaline mud, S. 30 chs.
Timber, none.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Dependent Resurvey of a Portion of the Subdivision of T. 20 S., R. 12 W.

Chains	
	Reestablishment of surveys executed by A. J. Stewart in 1885.
	From the cor. of secs. 1, 6, 7 and 12, on the E. bdy. of the Tp., hereinbefore described.
	S. 89° 19' W., bet. secs. 1 and 12.
	Over alkaline mud of the Sevier Lake Bed.
24.00	Leave lake bed, bears NE. and SW.; thence over nearly level land.
39.46	The ¼ sec. cor. of secs. 1 and 12, mkd. by an old 2x4 ins. squared cedar stake, 1½ ft. long and dimly mkd ¼ on N. face, loosely set 10 ins. in the ground. The record calls for a cobblestone, 16x8x7 ins. which was not in evidence and the stake is accepted as the original cor. because of its aged and deteriorated condition.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 1 S12 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, N. of the iron post.
	Bury the old stake alongside the iron post.
	S. 89° 28' W., beg. new measurement.
	Cont. over nearly level land.
39.70	Fence, bears N. and S.
39.83	The cor. of secs. 1, 2, 11 and 12, mkd. by the original cor., a cobblestone, 14x7x5 ins., buried 4 ins. below the surface and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T20S R12W S 2 | S 1 S11 | S12 1959
	Bury the original cor. alongside the iron post.
	Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron post.
	Land, nearly level in W. 60 chs.; muddy lake bed in E. 20 chs. Soil, light clay and gravel and alkaline mud. Timber, none.
	N. 0° 49' W., bet. secs. 1 and 2.
	Over nearly level land along W. side of a N. and S. fence.
16.45	U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears N. 61° E. and S. 61° W.

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains	
39.83	Point for the ¼ sec. cor. of secs. 1 and 2 at proportionate dist.; there is no remaining evidence of the position of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 2 | S 1 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron pos
63.60	Wash, 50 lks. wide, 2 ft. deep, course SE.
79.65	The cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the twp.
	Land, nearly level. Soil, light sandy clay. Timber, none.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 28' W., bet. secs. 2 and 11.
	Over nearly level land.
22.75	U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears N. 61° and S. 61° W.
40.23	The ¼ sec. cor. of secs. 2 and 11, mkd. by the original stone, a li stone, 5x4x4 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 2 / S11 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, N. of the iron pos
	Bury the original cor. alongside the iron post.
	S. 88° 05' W., beg. new measurement.
	Cont. over nearly level land.
40.89	The cor. of secs. 2, 3, 10 and 11, mkd. by the original monument, a limestone, 10x6x6 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16- 28480-2

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains

T20S R12W
S 3 | S 2
S10 | S11
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

N. 0° 28' W., bet. secs. 2 and 3.

Over gently rolling land.

40.24 The ¼ sec. cor. of secs. 2 and 3, mkd. by the original monument, a limestone, 6x4x3 ins., firmly set, and plainly mkd.

At the point for the cor.

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

T20S R12W
¼
S 3 | S 2
1959

Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

N. 0° 26' W., beg. new measurement.

Cont. over gently rolling land.

33.50 Wash, 30 lks. wide, 1 ft. deep, course E.

40.25 The cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.

Land, gently rolling.
Soil, light clay and gravel.
Timber, none.

Original Survey of a Portion of the Subdivision of T. 20 S., R. 12 W.

The point for the southeast corner of section 16 is at an easting of 40.00 chs. from the ¼ sec. cor. of secs. 16 and 21, and at a southing of 80.00 chs. from the cor. of secs. 9, 10, 15 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S R12W
S16 | S15
S21 |
1959

No accessories available.

S v , Portion of Subdivision of T. 20 S. R. 12 W.

Chains

N. 1° 19' W., bet. secs. 15 and 16.

Over level alkaline mud bottom of Sevier Lake Bed.

33.01 Point for the meander cor. of secs. 15 and 16, at the record southing from the cor. of secs. 9, 10, 15 and 16. This point now functions as an angle point only. There is no remaining evidence of the original cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S R12W
S16 | S15
A P
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, N. of the iron post.

Shore line of lake bed bears N. 60° E. and S. 60° W.

Dependent Resurvey of a Portion of the Subdivision with Continuous Measurement, Reestablishing the Survey Executed by A. J. Stewart Jr. in 1885.

40.01 Point for the ¼ sec. cor. of secs. 15 and 16, at the record dist. south of the cor. of secs. 9, 10, 15 and 16; there is no remaining evidence of the position of the original cor.

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

T20S R12W
¼
S16 | S15
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

80.02 The cor. of secs. 9, 10, 15 and 16, mkd. by the original cor., a lime stone, 12x10x4 ins., firmly set and plainly mkd.

At the point for the cor.

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

T20S R12W
S 9 | S10
S16 | S15
1959

Build a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

Land, level and nearly level.
Soil, alkaline mud in the S.; light clay and gravel in N.
Timber, none.

U. S. GOVERNMENT PRINTING OFFICE 16—28530-2

Chains	
	N. 0° 21' W., bet. secs. 9 and 10.
	Over gently rolling land.
7.74	U. S. Highway Nos. 50 and 6, an asphalt surface road, bears N. 62° 15' E. and S. 62° 15' W.
40.29	Point for the ¼ sec. cor. of secs. 9 and 10 at proportionate dist.; there is no remaining evidence of the position of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 9 | S10 1959
	Build a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
40.40	Small wash, drains SE.
80.00	Wash, 30 lks. wide, 3 ft. deep, course S. 60° E.
80.58	The cor. of secs. 3, 4, 9 and 10, mkd. by the original cor., a limestone, 14x10x6 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T20S R12W S 4 | S 3 S 9 | S10 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.
	Bury the original cor. alongside the iron post.
	Land, gently rolling. Soil, light clay and gravel. Timber, none.
	From the cor. of secs. 2, 3, 10 and 11.
	S. 89° 12' W., bet. secs. 3 and 10.
	Over gently rolling land.
19.00	Wash, 10 lks. wide, 4 ft. deep, course SE.
40.32	Point for the ¼ sec. cor. of secs. 3 and 10, at proportionate dist.; there is no remaining evidence of the position of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T20S R12W ¼ S 3 S10 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, N. of the iron post
58.00	Wash, 10 lks. wide, 1 ft. deep, course S.

Dependent , Portion of Subdivision T. 20 S. R. 12 W.

Chains	
65.00	Wash, 10 lks. wide, 1 ft. deep, course SE.
75.90	Wash, 10 lks. wide, 1 ft. deep, course SE.
80.65	The cor. of secs. 3, 4, 9 and 10.
	Land, gently rolling. Soil, light clay and gravel. Timber, none.
	N. 1° 02' W., bet. secs. 3 and 4.
	Over gently rolling land.
23.80	Wash, 20 lks. wide, 3 ft. deep, course S. 70° E.
40.18	The ¼ sec. cor. of secs. 3 and 4, mkd. by the original monument, a limestone, 18x18x8 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 4 | S 3 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post
	Bury the original cor. alongside the iron post.

	N. 0° 11' E., beg. new measurement.
	Cont. over gently rolling land.
13.20	Wash, 20 lks. wide, 2 ft. deep, drains S. 60° E.
40.44	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the Tp.
	Land, gently rolling. Soil, light clay and gravel. Timber, none.
	From the standard cor. of secs. 32 and 33, on the S. bdy. of the Tp previously described.
	N. 0° 36' W., bet. secs. 32 and 33.
	Over level land.
11.00	Border of the Sevier Lake Bed, bears NW. and SE.; thence over muddy lake bottom.
11.46	The meander cor. of secs. 32 and 33, mkd. by the original monument, limestone, 12x10x6 ins., firmly set and plainly mkd. This point now functions as an angle point only.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16—26080-2

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains

S32 | S33
T20S R12W
1959

Build a mound of stone, 2 ft. base, 1 ft. high, S. of the iron post.

Bury the original cor. alongside the iron post.

Thence begin original survey, continuing line and measurement.

40.50 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.

T20S R12W
¼
S32 | S33
1959

Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron post.

72.65 Point for the meander cor. of secs. 32 and 33, at proportionate dist.; there is no remaining evidence of the original cor. This point now functions as an angle point only.

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

T20S R12W
P
A
S32 | S33
1959

Border of the Sevier Lake Bed, bears NE. and SW.

Thence begin dependent resurvey, continuing line and measurement.

Reestablishing the survey executed by A. J. Stewart Jr. in 1885.
Over nearly level land.

81.00 Point for the cor. of secs. 28, 29, 32 and 33, at proportionate dist. and determined longitudinally on a line connecting original standard cor. of secs. 32 and 33 and the ¼ sec. cor. of secs. 28 and 29. There is no remaining evidence of the original cor.
Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T20S R12W
S29 | S28
S32 | S33
1959

Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron post.

At an easting of 1.60 chs. from this cor. I made a diligent search for meander cor. of secs. 28 and 33. There was no remaining evidence of the position of the cor. and it is not remonumented.

Land, muddy lake bed and nearly level.
Soil, alkaline mud and light clay.
Timber, none.

Chains

N. 0° 36' W., bet. secs. 28 and 29.

Over nearly level land.

40.50 The ¼ sec. cor. of secs. 28 and 29, mkd. by the original monument, a limestone, 10x6x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.

T20S R12W
¼
S29 | S28
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

N. 0° 47' W., beg. new measurement.

40.20 The cor. of secs. 20, 21, 28 and 29, mkd. by the original monument, a limestone, 8x6x4 ins., firmly set, and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R12W
S20 | S21
S29 | S28
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post

Bury the original cor. alongside the iron post.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

N. 0° 52' W., bet. secs. 20 and 21.

Over nearly level land.

23.00 Wash, 20 lks. wide, 4 ft. deep, course S. 70° E.

40.20 The ¼ sec. cor. of secs. 20 and 21, mkd. by the original monument, a limestone, 12x10x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gr with brass cap mkd.

T20S R12W
¼
S20 | S21
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post

U. S. GOVERNMENT PRINTING OFFICE 16—28530-2

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains

Bury the original cor. alongside the iron post.

N. 0° 37' W., beg. new measurement.

Cont. over nearly level land.

40.14 The cor. of secs. 16, 17, 20 and 21, mkd. by the original monument, a limestone, 14x7x6 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R12W
S17 | S16
S20 | S21
1959

Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post.

Bury the original cor. alongside the iron post.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

Original Survey of a Portion of the Subdivision of T. 20 S., R. 12 W.

From the SE. cor. of sec. 16.

N. 88° 54' W., bet. secs. 16 and 21.

Over alkaline mud bottom of the Sevier Lake Bed.

21.76 Point for the meander cor. of secs. 16 and 21, at the record dist., E. of the ¼ sec. cor. of secs. 16 and 21; there is no remaining evidence of the position of the original monument. This point now functions as an angle point only.

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

T20S R12W
S16 / A
S21 / P

No accessories available.

Dependent Resurvey of a Portion of the Subdivision, With Continuous Measurement Reestablishing the Survey Executed by A. J. Stewart Jr. in 1885.

24.00 Border of the Sevier Lake Bed, bears NE. and SW.; thence over nearly level land.

40.01 The ¼ sec. cor. of secs. 16 and 21, mkd. by the original monument, a limestone, 14x7x7 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains	
	T20S R12W ¼ S16 S21 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post
	Bury the original cor. alongside the iron post.
	S. 89° 24' W., beg. new measurement.
	Over nearly level land.
40.21	The cor. of secs. 16, 17, 20 and 21.
	Land, nearly level in W., level lake bed in E. Soil, clay and alkaline mud. Timber, none.
	N. 1° 16' W., bet. secs. 16 and 17.
	Over gently rolling land.
16.80	Wash, 30 lks. wide, 1 ft. deep, drains S. 70° E.
39.92	Point for the ¼ sec. cor. of secs. 16 and 17, at proportionate dist. there is no remaining evidence of the position of the original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S17 | S16 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron pos
45.00	U. S. Highway Nos. 50 and 6, an asphalt surfaced highway, bears N. 62° 15' E. and S. 62° 15' W.
62.20	Wash, 20 lks. wide, 2 ft. deep, course S, 80° E.
79.83	The cor. of secs. 8, 9, 16 and 17, mkd. by the original monument, a limestone, 14x10x8 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T20S R12W S 8 | S 9 S17 | S16 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, W. of the iron post
	Bury the original cor. alongside the iron post.
	Land, gently rolling. Soil, light clay and gravel. Timber, none.

U. S. GOVERNMENT PRINTING OFFICE 16—25590-2

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

Chains	
	From the cor. of secs. 9, 10, 15 and 16.
	N. 88° 38' W., bet. secs. 9 and 16.
	Over nearly level land.
13.50	U. S. Highway Nos. 50 and 6, an asphalt surfaced road, bears N. 62° 15' E. and S. 62° 15' W.
39.00	Wash, 30 lks. wide, 3 ft. deep, course S. 60° E.
40.18	The ¼ sec. cor. of secs. 9 and 16, mkd. by the original monument, a limestone, 18x16x8 ins., firmly set and plainly mkd.
	At the point for the cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S 9 / S16 1959
	Build a mound of stone, 3 ft. base, 1½ ft. high, N. of the iron post.
	Bury the original cor. alongside the iron post.

	S. 89° 04' W., beg. new measurement.
	Over nearly level land.
3.90	Wash, 30 lks. wide, 4 ft. deep, course S. 60° E.
23.30	Wash, 20 lks. wide, 1 ft. deep, course S. 60° E.
40.00	The cor. of secs. 8, 9, 16 and 17.
	Land, nearly level. Soil, light clay and gravel. Timber, none.

	From the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., an iron post, 2½ ins. diam., hereinbefore described.
	N. 0° 11' E., bet. secs. 31 and 32.
	Over nearly level land.
15.30	Wash, 30 lks. wide, 2 ft. deep, course S. 70° E.
40.94	Point for the ¼ sec. cor. of secs. 31 and 32, at proportionate dist.; found the original cor. a limestone, 4x3x2, plainly mkd. and lying loose on the surface with no evidence of its set position.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd.
	T20S R12W ¼ S31 | S32 1959
	Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron post.
	Bury the original cor. alongside the iron post.

Dependent Resurvey, Portion of Subdivision, T. 20 S., R. 12 W.

81.55 The cor. of secs. 29, 30, 31 and 32, mkd. by the original monument, a limestone, 10x8x4 ins., firmly set and plainly mkd.

At the point for the cor.

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

T20S R12W
S30 | S29
S31 | S32
1959

Build a mound of stone, 2½ ft. base, 1½ ft. high, W. of the iron pos

Bury the original cor. alongside the iron post.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

S. 89° 18' W., bet. secs. 29 and 32.

Over nearly level land.

39.58 The ¼ sec. cor. of secs. 29 and 32, mkd. by the original monument, a limestone, 14x10x4 ins., firmly set and plainly mkd.

At the point for the cor.

Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap mkd.

T20S R12W
¼ S29
S32
1959

Build a mound of stone, 2½ ft. base, 1½ ft. high, N. of the iron pos

Bury the original cor. alongside the iron post.

S. 89° 18' W., beg. new measurement.

Cont. over nearly level land.

40.18 The cor. of secs. 29, 30, 31 and 32.

Land, nearly level.
Soil, light clay and gravel.
Timber, none.

General Description

The land within this township is nearly level and lies partially within the dry bed of Sevier Lake. While the lake bed is considered dry it is alkaline and composed of mud which makes it impassable by vehicle or travel on foot. The portion of the township adjoining the lake is nearly level and composed of light clay and gravel.

Township 20 South, Range 12 West

Chains

There is no timber and the undergrowth is composed of shadscale, sage-brush and scattered bunch grass. There is no source of culinary water in this area.

Highway Nos. 50 and 6, an asphalt surfaced road, passes through the township, entering on the east boundary of section 1 and leaving the township on the west boundary of section 19.

The only use of the land is for winter grazing of sheep.

The soil consists of light clay and gravel with a considerable amount of scattered limestone rocks. The lake bed is composed of alkaline muds, several feet in depth.

Chains

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

4-680
Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Jerrold E. Knight	Chainman
Gordon R. Shurtz	Chainman
Gary T. Oviatt	Flagman
Garry R. Hardy	Cornerman
Eldon D. Lovell	Axeman

10—53563-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, ' pursuance of special instructions bearing date of the 27th day of April, 195 I have ~~surveyed~~ supervised the ' endent resurve" of a portion of the Fourth Stand.. Parallel South, portions of the north and east boundaries, a portion of the subdivision, and the survey of a portion of the subdivision of T. 20 S., R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been ~~surveyed~~ supervised by me and under my direction; and t 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.

January 14, 1960

Salt Lake City, Utah

Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 29 1960, *19*

The foregoing field notes of the ~~survey~~ of ' ent resurve" of a portion of the Fourth Standard Parallel South, portions of the north and east boundaries, a portion of the subdivision, and the survey of a portion of the subdivision of T. 20 S., R. 12 W., Salt Lake Meridian, Utah

executed by Vern E. Lane, Cadastral Surveyor (Chief of Party)
Eldon W. Sible" Carto hic Survey Aid

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

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

, is a true copy of the original field

Cadastral E

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

4—679
eptember 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 21 SOUTH, RANGE 10 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Alburn D. Griffin, Cadastral Surveyor

der special instructions dated April 27, *19* 59, *which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

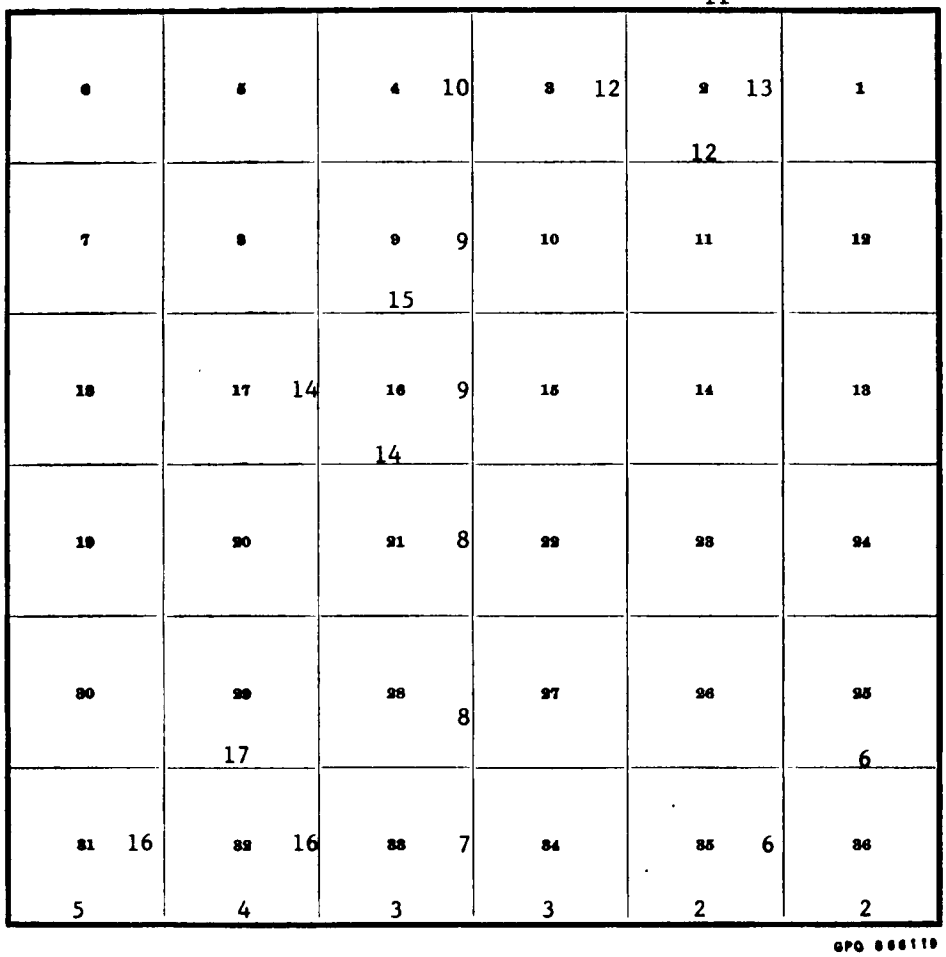
l assignment instructions dated April 30, *1959*

Survey commenced July 9, *1959*

Survey completed July 31, *1959*

INDEX DIAGRAM

Township 21 South, *Range* 10 West



GPO 866119

Chains

The E.bdy.was surveyed by Kenneth C.Vincent in 1937. The W. bdy.was surveyed by J. Gorlinski in 1880 and independently resurveyed concurrently and is described in the field notes of T. 21 S., R. 11 W. The north boundary was surveyed by G. O. Chaney in 1891 and independently resurveyed concurrently and is described in the field notes of T. 20 S., R. 10 W.

The following field notes are those of the south boundary and a portion of the subdivision of T. 21 S., R. 10 W. deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541330, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on 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 herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from S. G. S. topographic sheets where available. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 56' 15.40" N. and longitude 112° 54' 54.40" W., as adjusted from traverses to U. S. G. S. triangulation station, standard G.L.O. brass cap stamped T25S R11-12W, $\frac{S36|S31}{S\ 1}$ 1911.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Survey of the South Boundary of T. 21 S. R. 10 W.

Chains	
	From the cor. of Tps. 21 and 22 S., Rs. 9 and 10 W., a 3 ins. ir post, set, mkd. and witnessed as described in the official record.
	West, bet. secs. 1 and 36.
	Asc. along gentle S. slope 160 ft.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the gro in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S36/S 1 T22S 1959
	Cont. ascent along S. slope 60 ft.
53.30	Spur, slopes S.; desc. 60 ft. over SW. slope.
59.10	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 10 ft. over gentle SE. slope.
68.50	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 20 ft. over gentle broken S. slope.
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 gro in a collar of stone, with brass cap mkd.
	T21S R10W S35 | S36 S2 | S1 T22S 1959
	Land, rolling. Soil, gravelly. Timber, none.
	West, bet. secs. 2 and 35.
	Asc. along gentle SE. slope 10 ft.
10.00	Wash, drains S.; asc. gentle E. slope 10 ft.
16.00	Wash, 2 ft. deep, 10 lks. wide, drains SE.; asc. 130 ft. over E. s
28.60	Spur, slopes N.; desc. 10 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S35/S 2 T22S 1959
	Desc. 80 ft. over W. slope.
54.50	Draw, drains SE.; asc. 330 ft. over E. slope.

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Survey of the South Boundary of T. 21 S., R. 10 W.

Chains	
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W S34 | S35 S3 | S2 T21S 1959 Land, mountainous. Soil, gravelly. Timber, scattered juniper.
	West, bet. secs. 3 and 34. Asc. 120 ft. over E. slope.
4.00	Spur, slopes SE.; desc. 40 ft. over W. slope.
16.70	Draw, drains SE.; asc. 170 ft. over E. slope.
24.50	Spur, slopes S.; desc. 70 ft. over W. slope.
27.50	Small draw, drains S.; asc. 370 ft. over E. slope.
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, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W ¼ S34 S 3 T22S 1959 Asc. 130 ft. over E. slope.
44.80	Spur, slopes SE.; desc. 750 ft. over W. slope.
75.50	Base of steep W. slope; desc. 40 ft. over gentle W. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W S33 | S34 S4 | S3 T22S 1959 Land, mountainous. Soil, rocky. Timber, scattered juniper.
	West, bet. secs. 4 and 33. Desc. 190 ft. over gentle W. slope.

Chains	
32.80	Unimproved road, bears N. and S.
33.30	Wash, 3 ft. deep, 10 lks. wide, drains N.; asc. 10 ft. over E. sl.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S33 S 4 T22S 1959
	Asc. 290 ft. over gentle E. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the gr in a collar of stone, with brass cap mkd.
	T21S R10W S32 | S33 S5 | S4 T22S 1959
	Land, rolling. Soil, gravelly. Timber, none.
	West, bet. secs. 5 and 32.
	Asc. about 700 ft. over steep E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32 falls on vertical ledge where cor. cannot be perpetuated.
	Asc. 60 ft. over nearly abrupt E. slope.
41.50	Point selected for the witness ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S32 W S 5 C T22S 1959
	Cor. is located on high point, 60 lks. wide; desc. 1,050 ft. over steep W. slope.
72.50	Small wash, drains SW.; desc. 90 ft. over SW. slope.
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 gro in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Survey of the South Boundary of T. 21 S., R. 10 W.

Chains	
	T21S R10W S31 | S32 S6 | S5 T22S 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	West, bet. secs. 6 and 31.
	Desc. 10 ft. over SW. slope.
1.00	Wash in bottom of draw, drains NW.; asc. 170 ft. over E. slope.
13.00	Spur, slopes N.; desc. 40 ft. over W. slope.
18.40	Draw, drains N.; asc. 60 ft. over E. slope.
23.40	Spur, slopes N.; desc. 370 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S31 S 6 T22S 1959
	Desc. 360 ft. over W. slope.
73.00	Unimproved road, bears N. and S.; desc. 30 ft. over W. slope.
80.00	Point for the 1/16 sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd.
	T21S R10W 1/16 S31 S 6 T22S 1959
	Desc. 30 ft. over W. slope.
94.60	Wash, 2 ft. deep, 20 lks. wide, drains NW. 1.00 ch. dist., thence W.; desc. 10 ft. over NW. slope.
97.10	Bend in wash, 2 ft. deep, 10 lks. wide, drains from W. to NW.; asc. 10 ft. over E. slope.
98.40	Unimproved road, bears NW. and SE.; desc. 40 ft. over NW. slope.
08.56	Intersect the E. bdy. of T. 22 S., R. 11 W.
	Point for the closing cor. of Tps. 21 and 22 S., R. 10 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

Survey of the South Boundary of T. 21 S., R. 10 W.

Chains

T21S
R11W | R10W
S 1 | S31 C
S 6 C
T22S
1959

From this cor. the cor. of Tps. 21 and 22 S., R. 11 W. bears N.0°25 4.63 chs. dist., a 2½ ins. iron post, set, mkd. and witnessed as des cribed in the field notes of T. 22 S., R. 11 W.

Land, high and rolling.
Soil, gravelly.
Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

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.

Over low rolling desert land; asc. 120 ft. over gentle S. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground in a mound of stone, with brass cap mkd.

T21S R10W
¼
S35 | S36
1959

42.30 Wash, 3 ft. deep, 20 lks. wide, drains SE.; asc. 130 ft. over S. slo

61.90 Spur, slopes W.; desc. 40 ft. over NW. slope.

71.20 Draw, drains SW.; asc. 30 ft. over SE. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R10W
S26 | S25
S35 | S36
1959

Land, rolling.
Soil, gravelly.
Timber, none.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.

S. 89° 59' W., bet. secs. 25 and 36.

Asc. 120 ft. over SE. slope.

13.50 Spur, slopes S.; desc. 10 ft. over SW. slope.

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Chains	
18.50	Wash, drains SE.; asc. 220 ft. over SE. slope.
39.98	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S25/S36 1959
40.20	Head of draw, drains SE.; asc. 390 ft. over E. slope.
57.00	Ridge, bears N. and S.; desc. 180 ft. over W. slope.
67.00	Draw, drains S.; asc. 40 ft. over E. slope.
72.20	Spur, slopes S.; desc. 110 ft. over W. slope.
79.96	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	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.
	Desc. 40 ft. over NW. slope.
9.00	Draw, drains W.; asc. 40 ft. over SW. slope.
25.40	Spur, slopes W.; desc. 40 ft. over NW. 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, in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S33|S34 1959
	Cor. falls in bottom of swale draining W.; asc. broken SW. slope 50 ft.
55.50	Spur, slopes E.; desc. 30 ft. over N. slope.
79.40	Draw, drains SW.; asc. 10 ft. over 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., 15 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S28|S27 S33|S34 1959
	Land, rolling. Soil, gravelly. Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
	N. 0° 02' W., bet. secs. 27 and 28.
	Asc. 30 ft. over SW. slope.
2.70	Spur, slopes E.; desc. 20 ft. over N. slope.
10.70	Draw, drains SW.; asc. 340 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gr in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S28 | S27 1959
	Asc. 320 ft. over SE. slope.
55.90	Slope changes to broken SW. slope; asc. 460 ft.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cu in solid bedrock, in a mound of stone, 4½ ft. base to top, with br cap mkd.
	T21S R10W S21 | S22 S28 | S27 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Asc. 160 ft. over broken SW. slope.
7.30	Slope changes to SE.; asc. 40 ft.
20.80	Crest of spur, slopes E.; desc. 290 ft. over ledgy NE. slope.
34.00	Head of draw, drains NE.; desc. 100 ft. along irregular E. slope.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the gr in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S21 | S22 1959
	Desc. 70 ft. over NE. slope.
50.20	Rim of vertical ledges, bears SW. and NE.; desc. about 300 ft. over ledges facing N.
60.00	Draw, drains NW.; asc. about 150 ft. over S. slope.

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Chains	
70.00	Spur, slopes NW.; desc. 80 ft. over broken NW. 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, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S16 | S15 S21 | S22 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 15 and 16.
	Desc. 150 ft. along NW. slope.
18.10	Draw, drains W.; asc. 40 ft. over S. slope.
24.50	Spur, slopes W.; desc. 70 ft. over W. slope.
30.40	Draw, drains W.; asc. 50 ft. over S. slope.
33.10	Spur, slopes W.; desc. 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., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S16 | S15 1959
	Desc. 30 ft. over NW. slope.
43.00	Base of spur, bears E. and W.; enter basin land; desc. 40 ft. over N. slope.
46.50	Wash, 3 ft. deep, 40 lks. wide, drains W.; asc. 30 ft. over gentle SW. slope.
73.10	Spur, slopes W.; desc. 40 ft. over NW. slope.
75.90	Wash, 4 ft. deep, 40 lks. wide, drains W.; asc. 30 ft. over SW. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Land, rolling. Soil, gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 9 and 10.
	Asc. 10 ft. over SW. slope.
5.90	Ridge, bears E. and W.; desc. 90 ft. over N. slope.
19.40	Wash, 5 ft. deep, 4 lks. wide, drains W.; desc. 20 ft. over NW. slope.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
27.80	Wash, 5 ft. deep, 50 lks. wide, drains NW.; asc. 30 ft. over S. sl
35.60	Saddle of ridge, bears E. and W.; desc. 60 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the gro in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S 9 | S10 1959
	Desc. 40 ft. over gentle NW. slope.
54.10	Unimproved road, bears NE. and SW.; desc. 30 ft. over NW. slope.
62.60	Wash, 5 ft. deep, 30 lks. wide, drains NW.; asc. 10 ft. over gentle NW. slope.
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 grou in a collar of stone, with brass cap mkd.
	T21S R10W S4 | S3 S 9 | S10 1959
	Land, rolling. Soil, gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 3 and 4.
	Along rolling NW. slope; desc. 10 ft.
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 grou in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S4 | S3 1959
	Desc. 90 ft. over N. slope.
56.00	Wash, 6 ft. deep, 2.00 chs wide, drains NW.
62.10	Wash, 5 ft. deep, 1.00 ch. wide, drains NW.; asc. 70 ft. over SW. slope.
78.80	Spur, slopes W.; desc. 10 ft. over N. slope.
79.90	Intersect the Fourth Standard Parallel South; point for the closing cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gro in a mound of stone, 4 ft. base to top, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16—38820-2

Chains

T20S
S33
S4 | S3
C C
T21S R10W
1959

From this cor. the standard cor. of secs. 33 and 34, T. 20 S., R. 10 W., bears East 2.37 chs. dist. and is monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

Land, rolling.
Soil, gravelly.
Timber, none.

The point for the cor. of secs. 1 and 2 is on the Fourth Standard Parallel South and at proportionate dist. bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4.

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

S2 | S1
T21S R10W
1959

From this cor. the standard cor. of secs. 35 and 36, bears East 2.53 chs. dist. mkd. by an iron post, 2½ ins. diam., described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

The point for the N¼ sec. cor. of sec. 2 is on the Fourth Standard Parallel South and is at midpoint bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. inthe ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

¼ S2
T21S R10W
1959

From this cor. the standard ¼ sec. cor. of sec. 35 bears East 2.49 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

The point for the cor. of secs. 2 and 3 is on the Fourth Standard Parallel South and at proportionate dist. bet. the NE. cor. of the Tp. and the closing 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.

Chains	
	S3 | S2 T21S R10W 1959
	Raise a mound of stone, 3 ft. base, 2 ft. hihg, S. of iron post.
	From this cor. the standard cor. of secs. 34 and 35, bears East 2.45 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent resu. of the Fourth Standard Parallel South.
	From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over mountainous land covered with scattered juniper; asc. 80 ft. over NW. slope.
18.10	Spur, slopes W.; desc. low rolling SW. slope 20 ft.
26.30	Draw, drains SW.; asc. rolling NW. slope 20 ft., over a series of low spurs and gullys draining SW.
39.91	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gro... in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S3 | S2 1959
	Asc. 240 ft. over NE. slope.
63.90	Spur, slopes W.; desc. 210 ft. over SW. slope.
73.90	Draw, drains W.; asc. 40 ft. over N. slope.
79.91	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 80 ins. in the gro... in a collar of stone, with brass cap mkd.
	T21S R10W S3 | S2 S10 | S11 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	East, bet. secs. 2 and 11, on a line calculated bet. the cor. of sec 1, 6, 7 and 12 on the E. bdy. of the Tp. and the cor. of secs. 3, 4, 9 and 10.
	Asc. 310 ft. over W. slope.
30.40	Spur, slopes S.; desc. 90 ft. over SE. slope.
38.30	Draw, drains SW.; asc. 20 ft. over W. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Chains	
40.00	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post 30 ins. long, 2½ ins. diam., on solid stone, in a mound of stone, 5 ft. base to top, with brass cap mkd. T21S R10W ¼ S 2 / S11 1959
	Asc. 730 ft. over W. slope.
78.80	Spur, slopes N.; desc. 10 ft. over NE. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W S2 | S1 S11 | S12 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 01' E., bet. secs. 1 and 2.
	Desc. 160 ft. over NE. slope.
10.00	Head of draw, drains E.; asc. 90 ft. over SE. slope.
19.70	Spur, slopes E.; desc. 170 ft. over NE. slope.
25.10	Draw, drains E.; asc. 60 ft. over SE. slope.
29.10	Narrow spur, slopes NE.; desc. 190 ft. over NW. slope.
39.10	Draw, drains E.; asc. 10 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone to top, with brass cap mkd. T21S R10W ¼ S2 | S1 1959
	Asc. 50 ft. over S. slope.
4.00	Spur, slopes E.; desc. 60 ft. over N. slope.
9.00	Draw, drains E.; asc. 50 ft. over S. slope.
5.00	Spur, slopes E. 5.00 chs. dist.; desc. 60 ft. over N. slope.
0.50	Draw, drains SE.; asc. 200 ft. over S. slope.
9.92	The cor. of secs. 1 and 2, T. 21 S., R. 10 W. Land, mountainous. Soil, gravelly. Timber, scattered juniper.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Desc. 130 ft. over broken NW. slope.
9.00	Draw, drains NW.; asc. 30 ft. over NE. slope.
14.40	Spur, slopes N.; desc. 80 ft. over W. slope.
27.70	Draw, drains N.; asc. 30 ft. over E. slope.
31.80	Spur, slopes N.; desc. 20 ft. over W. slope.
34.00	Draw, drains N.; asc. 70 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the gro in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T21S R10W ¼ S16 S21 1959
	Asc. 450 ft. over steep E. slope.
59.50	Crest of ridge, bears N. and S.; desc. 300 ft. over W. slope.
71.40	Draw, drains NW.; asc. 160 ft. over broken NE. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the gro in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S17 | S16 S20 | S21 1959
	Land, mountainous. Soil, gravelly. Timber, sparse juniper.
	N. 0° 03' W., bet. secs. 16 and 17.
	Desc. 340 ft. over broken N. slope.
10.60	Draw, drains W.; asc. 20 ft. over SW. slope.
16.20	Spur, slopes W.; desc. 120 ft. over broken NW. slope.
29.10	Draw, drains W.; asc. 30 ft. over SW. slope.
36.40	Spur, slopes W.; desc. 60 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16—25600-2

Chains

T21S R10W
¼
S17 | S16
1959

Desc. 100 ft. over NW. slope.

43.70 Draw, drains W.; asc. 50 ft. over SW. slope.

53.90 Spur, slopes W.; desc. 70 ft. over NW. slope.

62.60 Draw, drains W.; asc. 190 ft. over SW. slope.

74.30 Spur, slopes W.; desc. 10 ft. over broken NW. slope.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

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

T21S R10W
S8 | S9
S17 | S16
1959

Land, high and rolling.
Soil, gravelly.
Timber, none.

From the cor. of secs. 9, 10, 15 and 16.

S. 89° 56' W., bet. secs. 9 and 16.

Desc. 150 ft. over gentle W. slope.

39.96 Point for the ¼ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R10W
¼ S 9
S16
1959

Desc. 70 ft. over gentle W. slope.

3.90 Wash, 5 ft. deep, 20 lks., drains NW.; asc. 200 ft. over E. slope.

0.00 Wash, drains N.; asc. 20 ft. over NE. slope.

6.00 Spur, slopes N.; desc. 60 ft. over W. slope.

9.92 The cor. of secs. 8, 9, 16 and 17.

Land, rolling.
Soil, gravelly.
Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
	From the cor. of secs. 4, 5, 32 and 33.
	N. 0° 03' W., bet. secs. 32 and 33.
	Asc. 80 ft. over broken SE. slope.
14.60	Spur, slopes E.; desc. 20 ft. over NE. slope.
17.90	Small draw, drains E.; asc. 70 ft. over SE. slope.
31.50	Spur, slopes E.; desc. 130 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W ¼ S32 | S33 1959
	Asc. 10 ft. over gentle S. slope.
46.50	Ridge, bears E. and W.; desc. 350 ft. over NW. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the gro in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W S29 | S28 S32 | S33 1959
	Land, mountainous. Soil, gravelly. Timber, scattered juniper.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.
	N. 0° 03' W., bet. secs. 31 and 32.
	Asc. 340 ft. over broken SW. slope.
21.20	Spur, slopes W.; desc. 580 ft. over broken NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32,
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W ¼ S31 | S32 1959
	Desc. 20 ft. over N. slope.
42.30	Draw, drains W.; asc. 520 ft. over broken S. slope.
58.30	Crest of spur, slopes NW.; desc. 700 ft. over broken NE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
	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, with brass cap mkd. T21S R10W S30 | S29 S31 | S32 1959 Land, mountainous. Soil, gravelly. Timber, sparse juniper.
	From the cor. of secs. 28, 29, 32 and 33. West, bet. secs. 29 and 32. Over rolling basin land.
.60	Wash, 4 ft. deep, 20 lks. wide, drains N.; asc. 30 ft. over E. slope.
11.20	Wash, 4 ft. deep, 40 lks. wide, drains N.; asc. 180 ft. over NE. slope.
40.01	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, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W ¼ S29 S32 1959 Asc. 10 ft. over SE. slope.
43.00	Spur, slopes N.; desc. 200 ft. over NW. slope.
51.80	Base of spur; asc. 240 ft. over gentle NE. slope.
58.00	Top of spur, projects NW.; desc. over NW. slope.
65.20	Draw, drains N.; asc. 150 ft. over NE. slope.
75.60	Spur, slopes N.; desc. 70 ft. over NW. slope.
80.02	The cor. of secs. 29, 30, 31 and 32. Land, high and rolling. Soil, gravelly. Timber, none.

General Description

A variety of land and soil is found in T. 21 S., R. 10 W. The eastern portion of the township consists mainly of the Cricket Mountains. The general elevation of the township ranges from 4,519 feet above sea level on the lake bed to about 7,030 feet in the northeastern portion. The mountains are covered with scattered juniper, buckbrush, June grass and scrub sage. The low land is covered with shadscale and greasewood.

An unimproved road enters the township in the southern portion between sections 4 and 33, bears north and south and winds through the western portion to the northeastern portion leaving the township between sections 3 and 34, bearing north and south.

No permanent water was noted throughout the township.

Chains

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4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Transit
Lynn S. Griffin	Notekeeper
Morris Blackburn	Chainman
Jeddie J. Judd	Cornerman
Larry Schlappi	Flagman

16—53566-2

314

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 19[illegible], I have surveyed the south boundary and a portion of the subdivision of T. 21 S. R. 10 W.

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

May 4, 1960

Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 23 1960, *19*

The foregoing field notes of the survey of the south boundary and a portion of the subdivision of T. 21 S., R. 10 W., Salt Lake [illegible] Utah

executed by [illegible] Vern E. Lane, Cadastral Surveyor (Chief of Party) [illegible] the [illegible] having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in T. 21 S., R. 10 W., SLM, Utah, is a true copy of the original field notes.

[illegible]

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OFFICE COPY

FIELD NOTES

OF THE SURVEY

OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 21 SOUTH, RANGE 10 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Alburn D. Griffin, Cadastral Surveyor

der special instructions dated April 27, *1959, which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

assignment instructions dated April 30, *1959*

Survey commenced July 9, *1959*

Survey completed July 13, *1959*

INDEX DIAGRAM

Township 21 South, *Range* 10 West

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GPO 866119

Chains

The E.bdy.was surveyed by Kenneth C.Vincent in 1937. The W. bdy.was surveyed by J. Gorlinski in 1880 and independently resurveyed concurrently and is described in the field notes of T. 21 S., R. 11 W. The north boundary was surveyed by G. O. Chaney in 1891 and independently resurveyed concurrently and is described in the field notes of T. 20 S., R. 10 W.

The following field notes are those of the south boundary and a portion of the subdivision of T. 21 S., R. 10 W. deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541330, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on 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 herein contained were made with a narrow steel tape, eight chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets where available. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 56' 15.40" N. and longitude 112° 54' 54.40" W., as adjusted from traverses to U. S. G. S. triangulation station, standard G.L.O. brass cap stamped T25S R11-12W, $\frac{S36|S31}{S\ 1}$ 1911.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

of the South of T. 21 S. R. 10 W.

Chains	
	From the cor. of Tps. 21 and 22 S., Rs. 9 and 10 W., a 3 ins. iron post, set, mkd. and witnessed as described in the official record.
	West, bet. secs. 1 and 36.
	Asc. along gentle S. slope 160 ft.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S36 S 1 T22S 1959
	Cont. ascent along S. slope 60 ft.
53.30	Spur, slopes S.; desc. 60 ft. over SW. slope.
59.10	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 10 ft. over gentle SE. slope.
68.50	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 20 ft. over gentle broken S. slope.
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 in a collar of stone, with brass cap mkd.
	T21S R10W S35 | S36 S2 | S1 T22S 1959
	Land, rolling. Soil, gravelly. Timber, none.
	West, bet. secs. 2 and 35.
	Asc. along gentle SE. slope 10 ft.
10.00	Wash, drains S.; asc. gentle E. slope 10 ft.
16.00	Wash, 2 ft. deep, 10 lks. wide, drains SE.; asc. 130 ft. over E.
28.60	Spur, slopes N.; desc. 10 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S35 S 2 T22S 1959
	Desc. 80 ft. over W. slope.
54.50	Draw, drains SE.; asc. 330 ft. over E. slope.

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Survey of the South Boundary of T. 21 S., R. 10 W.

Chains

80.00 Point for the cor. of secs. 2, 3, 34 and 35.

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

T21S R10W
S34 | S35
S3 | S2
T21S
1959

Land, mountainous.
Soil, gravelly.
Timber, scattered juniper.

West, bet. secs. 3 and 34.

Asc. 120 ft. over E. slope.

4.00 Spur, slopes SE.; desc. 40 ft. over W. slope.

16.70 Draw, drains SE.; asc. 170 ft. over E. slope.

24.50 Spur, slopes S.; desc. 70 ft. over W. slope.

27.50 Small draw, drains S.; asc. 370 ft. over E. slope.

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, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R10W
¼ S34
S 3
T22S
1959

Asc. 130 ft. over E. slope.

44.80 Spur, slopes SE.; desc. 750 ft. over W. slope.

75.50 Base of steep W. slope; desc. 40 ft. over gentle W. slope.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

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

T21S R10W
S33 | S34
S4 | S3
T22S
1959

Land, mountainous.
Soil, rocky.
Timber, scattered juniper.

West, bet. secs. 4 and 33.

Desc. 190 ft. over gentle W. slope.

of the South Boundary of T. 21 S., R. 10 W.

Chains	
32.80	Unimproved road, bears N. and S.
33.30	Wash, 3 ft. deep, 10 lks. wide, drains N.; asc. 10 ft. over E.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S33 S 4 T22S 1959
	Asc. 290 ft. over gentle E. slope.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the in a collar of stone, with brass cap mkd.
	T21S R10W S32 S33 S5 S4 T22S 1959
	Land, rolling. Soil, gravelly. Timber, none.
	West, bet. secs. 5 and 32.
	Asc. about 700 ft. over steep E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32 falls on vertical ledge where cor. cannot be perpetuated.
	Asc. 60 ft. over nearly abrupt E. slope.
41.50	Point selected for the witness ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S32 W S 5 C T22S 1959
	Cor. is located on high point, 60 lks. wide; desc. 1,050 ft. over steep W. slope.
72.50	Small wash, drains SW.; desc. 90 ft. over SW. slope.
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 in a mound of stone, 4 ft. base to top, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16—25620-2

Survey of the South Boundary of T. 21 S., R. 10 W.

Chains	
	T21S R10W S31 | S32 S6 | S5 T22S 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	West, bet. secs. 6 and 31.
	Desc. 10 ft. over SW. slope.
1.00	Wash in bottom of draw, drains NW.; asc. 170 ft. over E. slope.
13.00	Spur, slopes N.; desc. 40 ft. over W. slope.
18.40	Draw, drains N.; asc. 60 ft. over E. slope.
23.40	Spur, slopes N.; desc, 370 ft. over W. slope,
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S31 S 6 T22S 1959
	Desc. 360 ft. over W. slope.
73.00	Unimproved road, bears N. and S.; desc. 30 ft. over W. slope.
80.00	Point for the 1/16 sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd.
	T21S R10W 1/16 S31 S 6 T22S 1959
	Desc. 30 ft. over W. slope.
94.60	Wash, 2 ft. deep, 20 lks. wide, drains NW. 1.00 ch. dist., thence W.; desc. 10 ft. over NW. slope.
97.10	Bend in wash, 2 ft. deep, 10 lks. wide, drains from W. to NW.; asc. 10 ft. over E. slope.
98.40	Unimproved road, bears NW. and SE.; desc. 40 ft. over NW. slope.
108.56	Intersect the E. bdy. of T. 22 S., R. 11 W.
	Point for the closing cor. of Tps. 21 and 22 S.,R. 10 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.

Survey of the South Boundary of T. 21 S., R. 10 W.

T21S
R11W | R10W
S 1 | S 6 C
T22S
1959

From this cor. the cor. of Tps. 21 and 22 S., R. 11 W. bears N. 0°25' W. 4.63 chs. dist., a 2½ ins. iron post, set, mkd. and witnessed as described in the field notes of T. 22 S., R. 11 W.

Land, high and rolling.
Soil, gravelly.
Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

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.

Over low rolling desert land; asc. 120 ft. over gentle S. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground in a mound of stone, with brass cap mkd.

T21S R10W
¼
S35 | S36
1959

42.30 Wash, 3 ft. deep, 20 lks. wide, drains SE.; asc. 130 ft. over S. sl

61.90 Spur, slopes W.; desc. 40 ft. over NW. slope.

71.20 Draw, drains SW.; asc. 30 ft. over SE. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.

T21S R10W
S26 | S25
S35 | S36
1959

Land, rolling.
Soil, gravelly.
Timber, none.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp.

S. 89° 59' W., bet. secs. 25 and 36.

Asc. 120 ft. over SE. slope.

15.50 Spur, slopes S.; desc. 10 ft. over SW. slope.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
18.50	Wash, drains SE.; asc. 220 ft. over SE. slope.
39.98	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S25 S36 1959
40.20	Head of draw, drains SE.; asc. 390 ft. over E. slope.
57.00	Ridge, bears N. and S.; desc. 180 ft. over W. slope.
67.00	Draw, drains S.; asc. 40 ft. over E. slope.
72.20	Spur, slopes S.; desc. 110 ft. over W. slope.
79.96	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	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.
	Desc. 40 ft. over NW. slope.
9.00	Draw, drains W.; asc. 40 ft. over SW. slope.
25.40	Spur, slopes W.; desc. 40 ft. over NW. 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, in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S33 | S34 1959
	Cor. falls in bottom of swale draining W.; asc. broken SW. slope 50 ft.
55.50	Spur, slopes E.; desc. 30 ft. over N. slope.
79.40	Draw, drains SW.; asc. 10 ft. over 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., 15 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S28 | S27 S33 | S34 1959
	Land, rolling. Soil, gravelly. Timber, none.

Survey of a Portion of the Subdivision of T. 21 S. R. 10 W.

Chains	
	N. 0° 02' W., bet. secs. 27 and 28.
	Asc. 30 ft. over SW. slope.
2.70	Spur, slopes E.; desc. 20 ft. over N. slope.
10.70	Draw, drains SW.; asc. 340 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S28 | S27 1959
	Asc. 320 ft. over SE. slope.
55.90	Slope changes to broken SW. slope; asc. 460 ft.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid bedrock, in a mound of stone, 4½ ft. base to top, with cap mkd.
	T21S R10W S21 | S22 S28 | S27 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Asc. 160 ft. over broken SW. slope.
7.30	Slope changes to SE.; asc. 40 ft.
20.80	Crest of spur, slopes E.; desc. 290 ft. over ledgy NE. slope.
34.00	Head of draw, drains NE.; desc. 100 ft. along irregular E. slope.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S21 | S22 1959
	Desc. 70 ft. over NE. slope.
50.20	Rim of vertical ledges, bears SW. and NE.; desc. about 300 ft. over ledges facing N.
60.00	Draw, drains NW.; asc. about 150 ft. over S. slope.

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Chains	
70.00	Spur, slopes NW.; desc. 80 ft. over broken NW. 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, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S16 | S15 S21 | S22 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 15 and 16.
	Desc. 150 ft. along NW. slope.
18.10	Draw, drains W.; asc. 40 ft. over S. slope.
24.50	Spur, slopes W.; desc. 70 ft. over W. slope.
30.40	Draw, drains W.; asc. 50 ft. over S. slope.
33.10	Spur, slopes W.; desc. 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., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S16 | S15 1959
	Desc. 30 ft. over NW. slope.
43.00	Base of spur, bears E. and W.; enter basin land; desc. 40 ft. over N. slope.
46.50	Wash, 3 ft. deep, 40 lks. wide, drains W.; asc. 30 ft. over gentle SW. slope.
73.10	Spur, slopes W.; desc. 40 ft. over NW. slope.
75.90	Wash, 4 ft. deep, 40 lks. wide, drains W.; asc. 30 ft. over SW. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Land, rolling. Soil, gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 9 and 10.
	Asc. 10 ft. over SW. slope.
5.90	Ridge, bears E. and W.; desc. 90 ft. over N. slope.
19.40	Wash, 5 ft. deep, 4 lks. wide, drains W.; desc. 20 ft. over NW. slope.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
27.80	Wash, 5 ft. deep, 50 lks. wide, drains NW.; asc. 30 ft. over S.
35.60	Saddle of ridge, bears E. and W.; desc. 60 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S 9 | S10 1959
	Desc. 40 ft. over gentle NW. slope.
54.10	Unimproved road, bears NE. and SW.; desc. 30 ft. over NW. slope.
62.60	Wash, 5 ft. deep, 30 lks. wide, drains NW.; asc. 10 ft. over gentle NW. slope.
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 in a collar of stone, with brass cap mkd.
	T21S R10W S4 | S3 S 9 | S10 1959
	Land, rolling. Soil, gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 3 and 4.
	Along rolling NW. slope; desc. 10 ft.
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 in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S4 | S3 1959
	Desc. 90 ft. over N. slope.
56.00	Wash, 6 ft. deep 2.00 chs wide, drains NW.
62.10	Wash, 5 ft. deep, 1.00 ch. wide, drains NW.; asc. 70 ft. over SW. slope.
78.80	Spur, slopes W.; desc. 10 ft. over N. slope.
79.90	Intersect the Fourth Standard Parallel South; point for the closing cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.

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Chains

T20S
S33
S4 | S3
C C
T21S R10W
1959

From this cor. the standard cor. of secs. 33 and 34, T. 20 S., R. 10 W., bears East 2.37 chs. dist. and is monumented by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

Land, rolling.
Soil, gravelly.
Timber, none.

The point for the cor. of secs. 1 and 2 is on the Fourth Standard Parallel South and at proportionate dist. bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4.

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

S2 | S1
T21S R10W
1959

From this cor. the standard cor. of secs. 35 and 36, bears East 2.53 chs. dist. mkd. by an iron post, 2½ ins. diam., described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

The point for the N¼ sec. cor. of sec. 2 is on the Fourth Standard Parallel South and is at midpoint bet. the cor. of secs. 1 and 2 and the cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2½ ins. diam.. 8 ins. inthe ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.

¼ S2
T21S R10W
1959

From this cor. the standard ¼ sec. cor. of sec. 35 bears East 2.49 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent resurvey of the Fourth Standard Parallel South.

The point for the cor. of secs. 2 and 3 is on the Fourth Standard Parallel South and at proportionate dist. bet. the NE. cor. of the Tp, and the closing 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.

a Portion of the

Chains	
	S3 | S2 T21S R10W 1959
	Raise a mound of stone, 3 ft. base, 2 ft. hihg, S. of iron post.
	From this cor. the standard cor. of secs. 34 and 35, bears East 2.45 chs. dist., mkd. by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the independent re of the Fourth Standard Parallel South.
	From the cor. of secs. 2 and 3, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over mountainous land covered with scattered juniper; asc. 80 ft. over NW. slope.
18.10	Spur, slopes W.; desc. low rolling SW. slope 20 ft.
26.30	Draw, drains SW.; asc. rolling NW. slope 20 ft., over a series of low spurs and gullys draining SW.
39.91	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the in a collar of stone, with brass cap mkd.
	T21S R10W ¼ S3 | S2 1959
	Asc. 240 ft. over NE. slope.
63.90	Spur, slopes W.; desc. 210 ft. over SW. slope.
73.90	Draw, drains W.; asc. 40 ft. over N. slope.
79.91	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 80 ins. in the in a collar of stone, with brass cap mkd.
	T21S R10W S3 | S2 S10 | S11 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	East, bet. secs. 2 and 11, on a line calculated bet. the cor. of 1, 6, 7 and 12 on the E. bdy. of the Tp. and the cor. of secs. 3, 4 9 and 10.
	Asc. 310 ft. over W. slope.
30.40	Spur, slopes S.; desc. 90 ft. over SE. slope.
38.30	Draw, drains SW.; asc. 20 ft. over W. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—25520-2

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Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post 30 ins. long, 2½ ins. diam., on solid stone, in a mound of stone, 5 ft. base to top, with brass cap mkd. T21S R10W ¼ S 2 S11 1959
	Asc. 730 ft. over W. slope.
78.80	Spur, slopes N.; desc. 10 ft. over NE. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W S2 | S1 S11 | S12 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 01' E., bet. secs. 1 and 2.
	Desc. 160 ft. over NE. slope.
10.00	Head of draw, drains E.; asc. 90 ft. over SE. slope.
19.70	Spur, slopes E.; desc. 170 ft. over NE. slope.
25.10	Draw, drains E.; asc. 60 ft. over SE. slope.
29.10	Narrow spur, slopes NE.; desc. 190 ft. over NW. slope.
39.10	Draw, drains E.; asc. 10 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2. Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone to top, with brass cap mkd. T21S R10W ¼ S2 | S1 1959
	Asc. 50 ft. over S. slope.
44.00	Spur, slopes E.; desc. 60 ft. over N. slope.
49.00	Draw, drains E.; asc. 50 ft. over S. slope.
55.00	Spur, slopes E. 5.00 chs. dist.; desc. 60 ft. over N. slope.
60.50	Draw, drains SE.; asc. 200 ft. over S. slope.
79.92	The cor. of secs. 1 and 2, T. 21 S., R. 10 W.
	Land, mountainous. Soil, gravelly. Timber, scattered juniper.

of a Portion of the Subdivision of T. 21 S. R. 10 W.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Desc. 130 ft. over broken NW. slope.
9.00	Draw, drains NW.; asc. 30 ft. over NE. slope.
14.40	Spur, slopes N.; desc. 80 ft. over W. slope.
27.70	Draw, drains N.; asc. 30 ft. over E. slope.
31.80	Spur, slopes N.; desc. 20 ft. over W. slope.
34.00	Draw, drains N.; asc. 70 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T21S R10W ¼ S16 S21 1959
	Asc. 450 ft. over steep E. slope.
59.50	Crest of ridge, bears N. and S.; desc. 300 ft. over W. slope.
71.40	Draw, drains NW.; asc. 160 ft. over broken NE. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S17 | S16 S20 | S21 1959
	Land, mountainous. Soil, gravelly. Timber, sparse juniper.
	N. 0° 03' W., bet. secs. 16 and 17.
	Desc. 340 ft. over broken N. slope.
10.60	Draw, drains W.; asc. 20 ft. over SW. slope.
16.20	Spur, slopes W.; desc. 120 ft. over broken NW. slope.
29.10	Draw, drains W.; asc. 30 ft. over SW. slope.
36.40	Spur, slopes W.; desc. 60 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4½ ft. base to top, with brass cap mkd.

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Chains	
	T21S R10W ¼ S17 | S16 1959
	Desc. 100 ft. over NW. slope.
43.70	Draw, drains W.; asc. 50 ft. over SW. slope.
53.90	Spur, slopes W.; desc. 70 ft. over NW. slope.
62.60	Draw, drains W.; asc. 190 ft. over SW. slope.
74.30	Spur, slopes W.; desc. 10 ft. over broken NW. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S8 | S9 S17 | S16 1959
	Land, high and rolling. Soil, gravelly. Timber, none.
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 56' W., bet. secs. 9 and 16.
	Desc. 150 ft. over gentle W. slope.
39.96	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S 9 S16 1959
	Desc. 70 ft. over gentle W. slope.
63.90	Wash, 5 ft. deep, 20 lks., drains NW.; asc. 200 ft. over E. slope.
70.00	Wash, drains N.; asc. 20 ft. over NE. slope.
76.00	Spur, slopes N.; desc. 60 ft. over W. slope.
79.92	The cor. of secs. 8, 9, 16 and 17.
	Land, rolling. Soil, gravelly. Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 10 W.

Chains	
	From the cor. of secs. 4, 5, 32 and 33.
	N. 0° 03' W., bet. secs. 32 and 33.
	Asc. 80 ft. over broken SE. slope.
14.60	Spur, slopes E.; desc. 20 ft. over NE. slope.
17.90	Small draw, drains E.; asc. 70 ft. over SE. slope.
31.50	Spur, slopes E.; desc. 130 ft. over NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S32 | S33 1959
	Asc. 10 ft. over gentle S. slope.
46.50	Ridge, bears E. and W.; desc. 350 ft. over NW. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W S29 | S28 S32 | S33 1959
	Land, mountainous. Soil, gravelly. Timber, scattered juniper.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.
	N. 0° 03' W., bet. secs. 31 and 32.
	Asc. 340 ft. over broken SW. slope.
21.20	Spur, slopes W.; desc. 580 ft. over broken NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T21S R10W ¼ S31 | S32 1959
	Desc. 20 ft. over N. slope.
42.30	Draw, drains W.; asc. 520 ft. over broken S. slope.
58.30	Crest of spur, slopes NW.; desc. 700 ft. over broken NE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

Chains	
	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, with brass cap mkd. T21S R10W S30 | S29 S31 | S32 1959 Land, mountainous. Soil, gravelly. Timber, sparse juniper.
	From the cor. of secs. 28, 29, 32 and 33. West, bet. secs. 29 and 32. Over rolling basin land.
.60	Wash, 4 ft. deep, 20 lks. wide, drains N.; asc. 30 ft. over E. slope.
11.20	Wash, 4 ft. deep, 40 lks. wide, drains N.; asc. 180 ft. over NE. slope.
40.01	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, in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R10W ¼ S29 S32 1959 Asc. 10 ft. over SE. slope.
43.00	Spur, slopes N.; desc. 200 ft. over NW. slope.
51.80	Base of spur; asc. 240 ft. over gentle NE. slope.
58.00	Top of spur, projects NW.; desc. over NW. slope.
65.20	Draw, drains N.; asc. 150 ft. over NE. slope.
75.60	Spur, slopes N.; desc. 70 ft. over NW. slope.
80.00	The cor. of secs. 29, 30, 31 and 32. Land, high and rolling. Soil, gravelly. Timber, none.

General Description

A variety of land and soil is found in T. 21 S., R. 10 W. The eastern portion of the township consists mainly of the Cricket Mountains. The general elevation of the township ranges from 4,519 feet above sea level on the lake bed to about 7,030 feet in the northeastern portion. The mountains are covered with scattered juniper, buckbrush, June grass and scrub sage. The low land is covered with shadscale and greasewood.

An unimproved road enters the township in the southern portion between sections 4 and 33, bears north and south and winds through the western portion to the northeastern portion leaving the township between sections 3 and 34, bearing north and south.

No permanent water was noted throughout the township.

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Transit
Lynn S. Griffin	Notekeeper
Morris Blackburn	Chainman
Jeddie J. Judd	Cornerman
Larry Schlappi	Flagman

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CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, I have surveyed and a of the of T. 21 R.

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

May 4, 1960 Cadastral of

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, *19*

The foregoing field notes of the survey of the south and a the subdivision of T. 21 S. R. 10 W. Salt Lake Utah

executed by Alburn .

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 T. 21 R. 10 W., SLM, Utah, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND SURVEY

OF A PORTION OF THE SOUTH BOUNDARY

INDEPENDENT RESURVEY

OF THE EAST BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 21 SOUTH, RANGE 11 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Craig P. Sylvester, Cadastral Surveyor

der special instructions dated April 27, *1959, which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

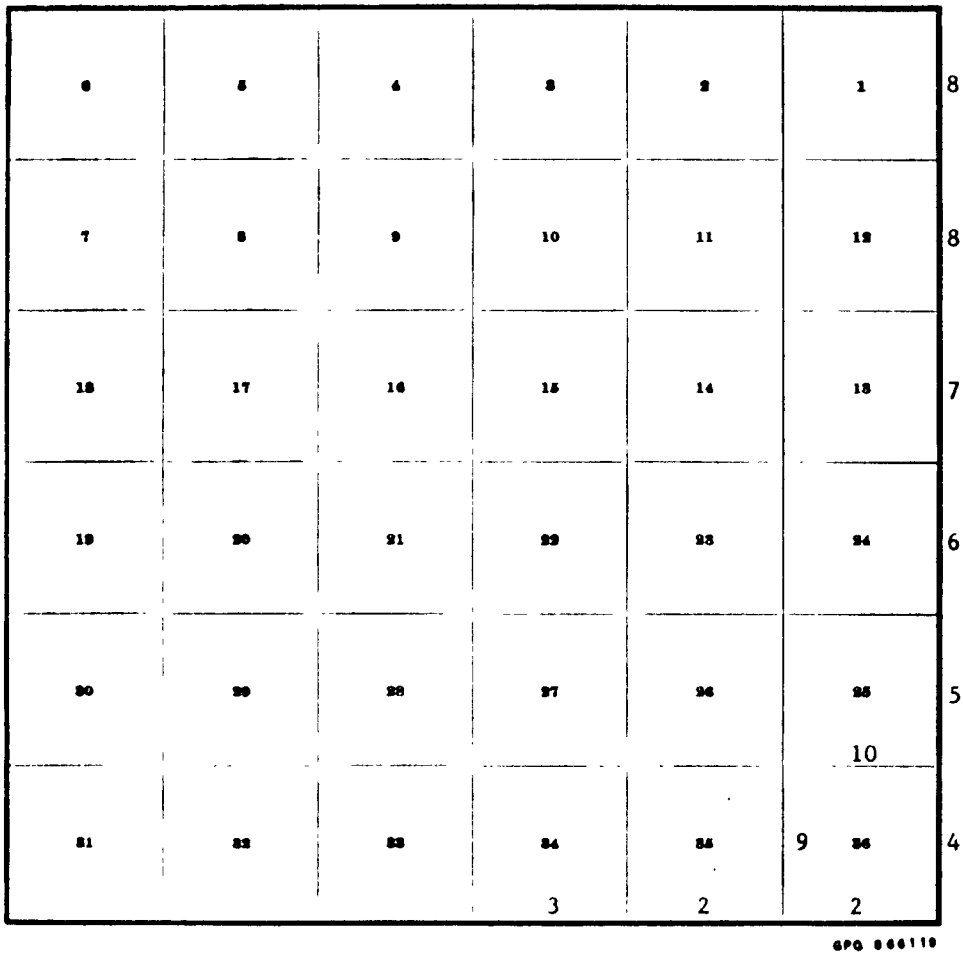
l assignment instructions dated April 30, *1959*

Survey commenced July 1, *1959*

Survey completed October 8, *1959*

INDEX DIAGRAM

Township 21 South , *Range* 11 West



GPO 866110

Township 21 South, Range 11 West

Chains

A portion of the south boundary was surveyed by J. Gorlinski in 1880. The east boundary was also surveyed by J. Gorlinski in 1880.

The following field notes are those of a dependent resurvey and survey of a portion of the south boundary, an independent resurvey of the east boundary, and the survey of a portion of the subdivision of T. 21 S., R. 11 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

Before restoring the corners the lines of the original survey were retraced and a diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corners had been exhausted.

The survey was executed with W. & L. E. Gurley solar transit No. 461263 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by tellurometer. The details of such tellurometer measurements have been thoroughly checked and verified, and in order to simplify the record the reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 56' 18.0" N. and longitude 113° 01' 58.9" W. as adjusted from traverses to U. S. G. S. triangulation stations Standard G.L.O.brass cap stamped T. 25 S., R11-12W $\frac{S36|S31}{S\ 1}$ 1911 and C. & G. S. station North End.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' East.

Dependent Resurvey, Portion of S. Bdy., T. 21 S. R. 11 W.

Chains

Dependent Resurvey of a Portion of the South Bdy.of T. 21 S., R. 11

Reestablishing the survey executed by J. Gorlinski in 1880.

From the cor. of Tps. 21 and 22 S., R. 11 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 22 S., R. 11 W.

S. 89° 08' W., bet. secs. 1 and 36.

Over rolling desert land, covered with shadscale; desc. 125 ft. over NW. slope.

18.90 Slope changes to gentle W. slope; desc. 60 ft.

40.00 The original ¼ sec. cor. of secs. 1 and 36, a sandstone 12x10x6 ins. set, mkd. and witnessed as described in the official record.

At the same point.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T21S R11W
¼ S36/S 1
T22S
1959

Deposit original cor. N. of iron post.

West, bet. secs. 1 and 36, beginning new measurement.

Desc. 90 ft. over gentle W. slope.

34.40 Small wash, drains W. irregularly; cont. over gentle W. slope.

40.00 Point for the cor. of secs. 1, 2, 35 and 36, at record dist. There is no remaining evidence of original cor.

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.

T21S R11W
S35|S36
S 2|S 1
T22S
1959

Land, rolling W. slope.
Soil, gravel on higher slopes, clay on lower land.
Timber, none.

West, bet. secs. 2 and 35.

Over rolling desert land; desc. 40 ft. over gentle W. slope.

40.00 Point for the ¼ sec. cor. of secs. 2 and 35, at record dist. There is no remaining evidence of original cor.

U. S. GOVERNMENT PRINTING OFFICE 16—28530-2

Dependent Resurvey, Portion of S. Bdy., T. 21 S., R. 11 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd. T21S R11W ¼ S35 S 2 T22S 1959
	Thence with original survey.
	West, along the S. bdy. of sec. 35.
	Desc. 10 ft. over gentle W. slope on E. shore of Sevier Lake bed.
50.80	E. shoreline of Sevier Lake bed, bears N. and S. irregularly; cont. across level lake bed; leave vegetation.
80.00	Point for the cor. of secs. 34 and 35, T. 21 S., R. 11 W., only.
	Set a creosote treated wooden post 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T21S S35 on NE. face, S34 on NW. face.
	Deposit glass around post.
	Land, rolling W. slope, and level lake bed. Soil, clay and sand loam on slopes, clay and alkali on lake bed. Timber, none; no vegetation on lake bed.
	West, along the S. bdy. of sec. 34.
	Over level land of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of sec. 34, T. 21 S., R. 11 W., only.
	Set a creosote treated wooden post 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T21S R11W ¼ S34 on the N. face.
	Deposit glass around post.
80.00	Point for the cor. of secs. 33 and 34, T. 21 S., R. 11 W., only.
	Set a creosote treated wooden post 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T21S R11W S34 on NE. face, S33 on NW. face.
	From this cor., the cor. of secs. 5, 6, 32 and 33 on the S. bdy. of T. 21 S., R. 12 W. bears S. 88° 33' 05" W., 539.57 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 21 S., R. 12 W.
	Deposit glass around post.
	Land, level lake bed. Soil, clay and alkali. Vegetation, none.
	Thence west, by tellurometer measurement, across muddy and inaccessible Sevier Lake bed,
219.39	Point for the closing cor. of Tps. 21 and 22 S., R. 11 W., falls in inaccessible lake bed and cannot be monumented.
	From this point the point for the cor. of Tps. 21 and 22 S., R. 12 W., bears S. 14.01 chs. dist.; not monumented.

S· · · Portion of S. . T. 21 S. R. 11 W.

Chains

Land, level lake bed.
Soil, muddy clay alkali.
Vegetation, none.

Independent Resurvey of the East Boundary of T. 21 S., R. 11 W, Superseding the Survey Executed by J. Gorlinski in 1880.

No evidence of the original corners was found along this boundary.-

From the cor. of Tps. 21 and 22 S., R. 11 W., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 22 S., R. 11 W.

From this cor. the closing cor. of Tps. 21 and 22 S., R. 10 W. bears S. 0° 25' E., 4.63 chs. dist., an iron post, described in the field notes of T. 21 S., R. 10 W.

North, along the E. bdy. of sec. 36.

Over rolling desert land covered with low sage and shadscale.

.50 Unimproved road, bears irregularly NW. and SE.; desc. 10 ft. over NW slope.

7.30 Wash, 4½ ft. deep, 40 lks. wide, drains irregularly NW.; desc. NW. slope.

34.10 Wash, 2 ft. deep, 10 lks. wide, drains W.; asc. 10 ft. over SW. slop

35.37 Point for the ¼ sec. cor. of sec. 31, T. 21 S., R. 10 W., only.

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.

T21S
R10W
R11W | ¼
S31
1959

40.00 Point for the ¼ sec. cor. of sec. 36, T. 21 S., R. 11 W., only.

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.

T21S
R11W R10W
¼ |
S36 |
1959

64.30 Small wash, drains SW.

71.40 Wash, 2 ft. deep, 20 lks. wide, drains SW.; asc. 10 ft.over SW.slope

75.07 Point for the witness corner of secs. 30 and 31, T. 21 S., R. 10 W., only.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

T21S
R10W
R11W | S30
S31
W C
1959

Independent Resurvey, E. Bdy., T. 21 S., R. 11 W.

Chains	
75.37	True point for the cor. of secs. 30 and 31 falls in bottom of wash and cannot be perpetuated.
80.00	Point for the cor. of secs. 25 and 36, T. 21 S., R. 11 W., only. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R11W | R10W S25 / S36 1959 Land, low, rolling. Soil, clay and alkali. Timber, none.
	North, along the E. bdy. of sec. 25.
	Over low, rolling desert land covered with shadscale.
	Asc. 40 ft. over SW. slope.
18.70	Wash, 12 ins. deep, 10 lks. wide, drains SW.; asc. 20 ft. over SW. slope.
35.37	Point for the ¼ sec. cor. of sec. 30, T. 21 S., R. 10 W., only. 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. T21S R10W ¼ R11W | S30 1959
40.00	Point for the ¼ sec. cor. of sec. 25, T. 21 S., R. 10 W., only. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base to top, with brass cap mkd. T21S R11W ¼ | R10W S25 1959 Desc. 10 ft. along W. slope.
52.10	Wash, 2 ft. deep, 20 lks. wide, drains W.; desc. 20 ft. along W. slope.
75.37	Point for the cor. of secs. 19 and 30, T. 21 S., R. 10 W., only. 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. T21S R10W R11W | S19 S30 1959
80.00	Point for the cor. of secs. 24 and 25, T. 21 S., R. 11 W., only. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a collar of stone, with brass cap mkd.

Independent Resurvey, E. Bdy., T. 21 S., R. 11 W.

Chains	
	T21S R11W | R10W S24 | S25 | 1959
	Land, low, rolling. Soil, clay and alkali. Timber, none.
	North, along E. bdy. of sec. 24.
	Desc. 10 ft. along W. slope.
8.80	Small drain, drains W.
16.10	Wash, 2 ft. deep, 20 lks. wide, drains W.; asc. 10 ft. over SW. slop
35.37	Point for the ¼ sec. cor. of sec. 19, T. 21 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the gro and in a collar of stone, with brass cap mkd.
	T21S R10W ¼ R11W | S19 1959
40.00	Point for the ¼ sec. cor. of sec. 24, T. 21 S., R. 11 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the groun and in a collar of stone, with brass cap mkd.
	T21S R11W ¼ | R10W S24 | 1959
	Asc. 20 ft. over SW. slope.
48.40	Top of low spur, projects W.; desc. 90 ft. NW. slope.
75.37	Point for the cor. of secs. 18 and 19, T. 21 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the gro and in a collar of stone, with brass cap mkd.
	T21S R10W R11W | S18 S19 1959
80.00	Point for the cor. of secs. 13 and 24, T. 21 S., R. 11 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the gr and in a collar of stone, with brass cap mkd.
	T21S R11W S13 | R10W S24 | 1959

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Chains	
	Land, low, rolling. Soil, clay and alkali. Timber, none.
	North, along the E. bdy. of sec. 13.
	Over low, rolling land, covered with shadscale.
	Desc. 30 ft. over gentle N. slope.
13.30	Small wash, drains NW.; desc. 30 ft. over NW. slope.
35.37	Point for the ¼ sec. cor. of sec. 18, T. 21 S., R. 10 W., only. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd. T21S R10W R11W | ¼ S18 1959
40.00	Point for the ¼ sec. cor. of sec. 13, T. 21 S., R. 11 W., only. 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. T21S R11W ¼ | R10W S13 1959
	Desc. 20 ft. over N. slope.
61.80	Wash, 3 ft. deep, 10 lks. wide, drains NW.
75.37	Point for the cor. of secs. 7 and 18, T. 21 S., R. 10 W., only. 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. T21S R10W R11W | S 7 S18 1959
80.00	Point for the cor. of secs. 12 and 13, T. 21 S., R. 11 W., only. 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. T21S R11W S12 | R10W S13 1959
	Land, low, rolling desert. Soil, clay and alkali. Timber, none.

North, along the E. bdy. of sec. 12.

Over low, rolling desert land, covered with shadscale.

Desc. 10 ft. over gentle NW. slope.

5.70 Wash, 3 ft. deep, 10 lks. wide, drains NW.; desc. 30 ft. over NW.s

35.37 Point for the ¼ sec. cor. of sec. 7, T. 21 S., R. 10 W., only.

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.

T21S
R10W
R11W | ¼
S 7
1959

40.00 Point for the ¼ sec. cor. of sec. 12, T. 21 S., R. 11 W., only.

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

T21S
R11W
¼ | R10W
S12 |
1959

43.20 Wash, 3 ft. deep, 20 lks. wide, drains NW.

Desc. 40 ft. over NW. slope.

75.37 Point for the cor. of secs. 6 and 7, T. 21 S., R. 10 W., only.

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

T21S
R10W
R11W | S 6
S 7
1959

80.00 Point for the cor. of secs. 1 and 12, T. 21 S., R. 11 W., only.

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

T21S
R11W
S 1 | R10W
S12 |
1959

Land, low, rolling desert.
Soil, clay and alkali.
Timber, none.

North, along the E. bdy. of sec. 1.

Over low, rolling desert.

Enter dry bed of Sevier Lake, bears NE. and SW.

Point for the ¼ sec. cor. of sec. 6, T. 21 S., R. 10 W., only.

Independent Resurvey, E. Bdy., T. 21 S., R. 11 W.

Chains	
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T21S R10W ¼ S6, on E. face.
40.00	Point for the ¼ sec. cor. of sec. 1, T. 21 S., R. 11 W., only.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T21S R11W ¼ S1, on W. face.
	Cont. over level lake bed.
56.07	Intersect Fourth Standard Parallel South.
	Point for the closing cor. of T. 21 S., Rs. 10 and 11 W.
	Set a wooden post, treated with creosote, 4x4 ins., 4½ ft. long, 24 ins. in the ground, mkd. T21S CC, on S. face; R10W S6, on E. face; R11W S1, on W. face.
	Deposit fragments of glass around wooden post.
	From this cor. the standard Tp. cor. of T. 20 S., R. 11 W., bears E. 16.74 chs. dist., a wooden post 4x4 ins., described in the field notes of T. 20 S., R. 11 W.
	Land, level lake bed. Soil, clay and alkali. Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 11 W.

	From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of T. 21 S., R. 11 W.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over gently rolling desert land covered with shadscale and low sage.
	The ¼ sec. cor. of secs. 35 and 36 is set 40.00 chs. dist., S. 0° 01' E. of the sectional correctional line.
25.80	Small wash, drains W.
34.70	Unimproved road, bears E. and W.
40.61	Point for the ¼ sec. cor. of secs. 35 and 36.
	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. T21S R11W ¼ S35 | S36 1959
	Cont. over low rolling desert land.
43.30	Wash, 3 ft. deep, 10 lks. wide, drains SW.
61.20	Small wash, drains W.
65.70	Small wash, drains SW.
74.50	Small wash, drains SW.

Survey, Portion of Subdivision, T. 21 S., R. 11 W.

Chains	
80.61	Intersect sectional correction line, extended W. from the cor. of secs. 25 and 36 on the E. bdy.
	Point for the cor. of secs. 25, 26, 35 and 36, on sectional correc. line.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T21S R11W S26 | S25 S35 | S36 1959
	Land, gently rolling desert.
	Soil, clay, alkali.
	Timber, none.
	From the cor. of secs. 25 and 36 on the E. bdy. of T. 21 S., R. 11 W.
	West, along sectional correction line, bet. secs. 25 and 36.
	Desc. 40 ft. over SW. slope.
22.00	Small wash, drains SW.; desc. 20 ft. over W. slope.
37.10	Wash, 2 ft. deep, 10 lks. wide, drains SW.; desc. 10 ft. over W.slope
40.01	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 4 ft. base, to top of cap, with brass cap mkd.
	T21S R11W ¼ S25 S36 1959
	Desc. 40 ft. over SW. slope.
62.90	Wash, 2 ft. deep, 10 lks. wide, drains SW.; desc. 20 ft. along SW. slope.
73.60	Small wash, drains SW.
80.02	The cor. of secs. 25, 26, 35 and 36.
	Land, gently rolling desert.
	Soil, clay and alkali.
	Timber, none.

General Description

The southeast portion of T. 21 S., R. 11 W. consists of rolling desert land draining generally west to muddy Sevier Lake bed, which covers the remainder of the township. The east shoreline of this lake bed enters the township near the ¼ sec. cor. of sections 2 and 35 on the south boundary, bears irregularly northeast and leaves the township near the corner of sections 1 and 12 on the east boundary.

An unimproved road enters the township near the southeast corner, bears N. 70° W., and ends near the lake bed. Mud prevents travel on the lake bed.

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Township 21 South, Range 11 West

Chains

The soil is gravel and rocks on the higher slopes, sand and clay on the bottom land near the lake bed, and muddy clay mixed with alkali on the lake bed.

The vegetation consists of shadscale and bunch grass on the southeast portion, with greasewood near the lake bed. No vegetation grows on the lake bed.

The elevation varies from 4,519 feet above sea level on the lake bed to about 4,800 feet on the slopes.

No permanent water was noted during the survey.

Chains

4-000
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dee Von Thompson	Transit (Principal Assistant)
Jerold Knight	Notes
Orrin Jorgensen	Chainman
Merril Maxfield	Flagman
Gary Oviatt	Cornerman

10- 53305 2

354

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 1959, I have ~~surveyed~~ supervised the dependent resurvey and survey of a portion of the s ; boundary; independent resurvey of the east boundary; and survey of a portion of the subdivision of T. 21 S., R. 11 W.

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~~ under my supervision; 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

May 10, 1960

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 23 1960, *19*

The foregoing field notes of the ~~survey~~ dependent resurvey and survey of a portion of the south boundary; the independent resurvey of the east boundary; and the survey of a portion of the subdivision of T. 21 S., R. 11 W., Salt Lake Meridian, Utah

executed by Craig P. Sylvester, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

[illegible], is a true copy of the original field [illegible].

[illegible]

U. S. GOVERNMENT PRINTING OFFICE 16—63565-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

INDEPENDENT RESURVEY

OF A PORTION OF THE SOUTH BOUNDARY

DEPENDENT RESURVEY

OF A PORTION OF THE WEST BOUNDARY

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 21 SOUTH, RANGE 12 WEST

Of the Salt Lake *Meridian,*

he State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)
Craig P. Sylvester, Cadastral Surveyor
Alburn D. Griffin, Cadastral Surveyor
Eldon W. Sibley, Cartographic Survey Aid

ler special instructions dated April 27, *19* 59, *which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

assignment instructions dated April 30, *19* 59

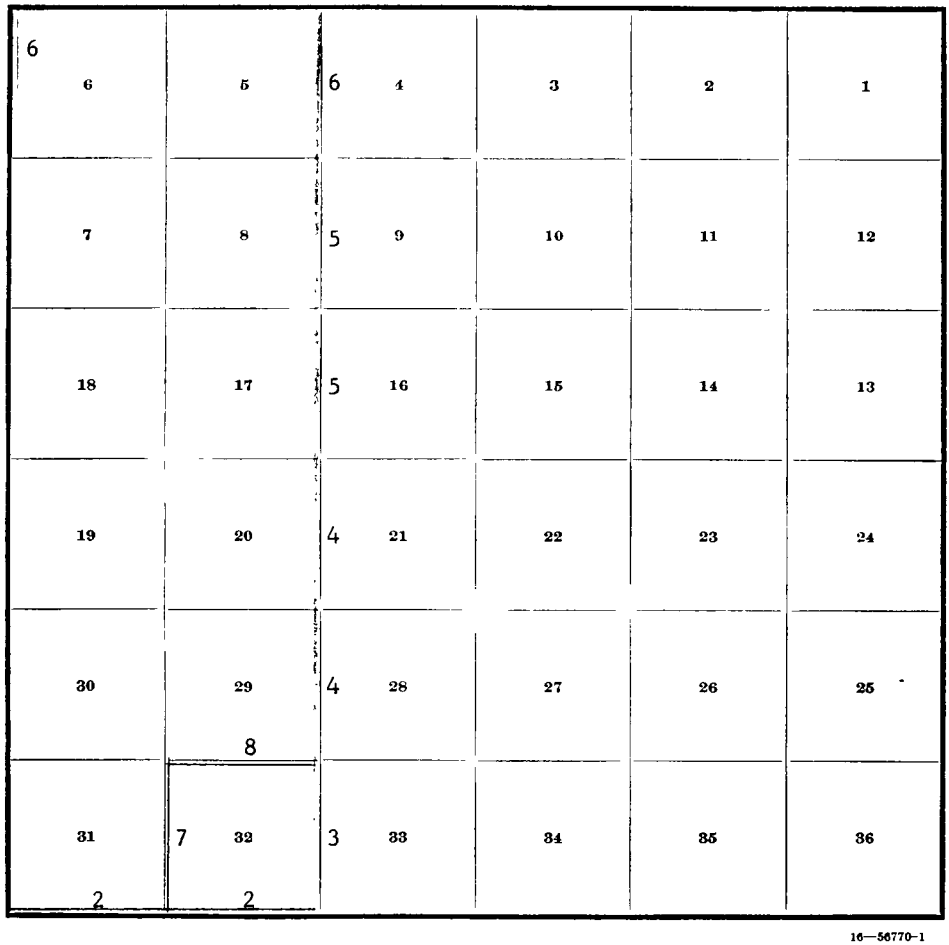
Survey commenced July 20, *19* 59

Survey completed August 11, *19* 59

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

INDEX DIAGRAM

Township 21 South, *Range* 12 West



16—56770-1

Craig P. Sylvester ————————

Alburn D. Griffin ————————

Eldon W. Sibley - - - - - -

Township 21 South, Range 12 West

Chains

A portion of the north boundary was surveyed by A. J. Stewart Jr. in 1885, and dependently resurveyed concurrently and shows in the field notes of T. 20 S., R. 12 W. The west boundary was surveyed by A. J. Stewart Jr. in 1882 and independently resurveyed by W. W. Bandy in 1925. A portion of the south boundary was surveyed by A. J. Stewart Jr. in 1882.

The following field notes are those of an independent resurvey of a portion of the south boundary, a dependent resurvey of a portion of the west boundary, and survey of a portion of the subdivision of T. 21 S., R. 12 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with W. & L. E. Gurley solar transits Nos. 541330 and 461263 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instruments were in good condition prior to the beginning of the survey and were maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by tellurometer. The details of such tellurometer measurements have been thoroughly checked and verified, and in order to simplify the record the reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 56' 08.59" N. and longitude 113° 08' 23" W. as adjusted from traverses to U. S. G. S. triangulation station Standard G.L.O. brass cap stamped T25S R11-12W $\frac{S36|S31}{S\ 1}$ 1911.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Independent Resurvey, Portion of S. Bdy., T. 21 S., R. 12 W.

Chains	
	Independent Resurvey of a Portion of the South Boundary,T.21 S.,R.12
	Superseding the survey executed by A. J. Stewart Jr. in 1882. From the cor. of Tps. 21 and 22 S., Rs. 12 and 13 W. an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record. No evidence of the original cors. was found along this bou
	East, bet. secs. 6 and 31.
	Over rolling desert land, covered with shadscale and sage; desc. gentle E. slope.
2.80	Small wash, drains NE. irregularly; desc. 10 ft. over gentle E. slo
20.00	Unimproved road, bears NE. and SW.; desc. 10 ft. over gentle E. slo
33.94	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.
	T21S R12W ¼ S31 S 6 T22S 1959
	Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of iron post.
	Desc. 10 ft. over gentle E. slope.
49.20	Small wash, drains NE.; cont. over gentle E. slope.
51.90	Crest of bench, bears NE. and SW. irregularly; desc. 50 ft. over E. slope.
59.00	Base of bench, bears NE. and SW. irregularly; thence over rolling bottom land draining E.
73.94	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ft. long, 24 ins. in the ground with brass cap mkd.
	T21S R12W S31 | S32 S 6 | S 5 T22S 1959
	Raise a mound of stone, 2½ ft. base, 2½ ft. high, N. of iron post.
	Land, rolling E. slope. Soil, clay with gravel spots. Timber, none.
	East, bet. secs. 5 and 32.
	Over rolling desert land, covered with shadscale; desc. 30 ft. over gentle E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the gro with brass cap mkd.

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Independent Resurvey, Portion of S. Bdy., T. 21 S., R. 12 W.

Chains

T21S R12W
¼ S32 / S 5
T22S
1959

Raise a mound of stone N. of iron post.

Desc. 20 ft. over gentle E. slope.

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.

T21S R12W
S32 | S33
S 5 | S 4
T22S
1959

Raise a mound of stone N. of iron post.

From this cor. the cor. of secs. 33 and 34 on the S. bdy. of T. 21 S., R. 11 W. bears N. 88° 28' 21" E., 539.57 chs. dist., a wooden post 4x4 ins., set, mkd. and witnessed as described in the field notes of T. 21 S., R. 11 W.

From this same cor. the original W. shoreline of Sevier Lake bed bears E. 26.00 chs. dist.

Land, rolling E. slope.
Soil, clay and sand, gravel spots.
Timber, none.

Thence east, across muddy and inaccessible Sevier Lake bed, by use of tellurometer measurement, 320.00 chs. dist.

320.00 Point for the cor. of Tps. 21 and 22 S., R. 12 W., not monumented.

From this point the point for the closing cor. of Tps. 21 and 22 S., R. 11 W. bears N. 14.01chs. dist., not monumented.

Land, level lake bed.
Soil, muddy clay alkali.
Vegetation, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 12 W.

From the cor. of secs. 4, 5, 32 and 33 on the S. bdy.

N. 0° 03' W., bet. secs. 32 and 33.

Desc. 20 ft. over N. slope over peninsula.

20.30 Wash, 3 ft. deep, 15 lks. wide, drains NW.; desc. 10 ft. over N. slope.

30.00 Enter Sevier lake bed, dry, bears NW. and SE.; cont. over level lake bed; leave vegetation.

40.00 Point for the ¼ sec. cor. of secs. 32 and 33.

Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W ¼ S32 on W. face, and S33 on E. face.

Survey, Portion of Subdivision T. 21 S. R.12 W.

Chains	
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W S33 on SE. face, S32 on SW. face, S29 on NW. face and S28 on NE. face.
	Deposit fragments of glass around wooden post.
	Land, level. Soil, clay and alkali. Timber, none.
	N. 0° 03' W., bet. secs. 28 and 29.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 28 and 29.
	Set a wooden post, treated with creosote, 4x4 ins., 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W ¼ S28 on E. face and S29 on W. face.
	Deposit fragments of glass around wooden post.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 20, 21, 28 and 29.
	Set a wooden post, treated with creosote, mkd. with scribe T21S R12W S28 on SE. face, S29 on SW. face, S20 on NW. face and S21 on NE. fac
	Deposit fragments of glass around wooden post.
	Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 20 and 21.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 20 and 21.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W ¼ S20 on W. face and S21 on E. face.
	Deposit fragments of glass around wooden post.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W S20 on SW. face, S17 on NW. face, S16 on NE. face and S21 on SE. face.
	Deposit fragments of glass around wooden post.

Survey, Portion of Subdivision, T. 21 S., R. 12 W.

Chains	
	Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W ¼ S16 on E. face and S17 on W. face.
	Deposit fragments of glass around wooden post.
	Cont. over level lake bed.
80.00	Point for the sec. cor. of secs. 8, 9, 16 and 17.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground,mkd. with scribe T21S R12W S8 on NW. face, S9 on NE. face, S16 on SE. face and S17 on SW. face.
	Deposit fragments of glass around wooden post.
	Land, level. Soil, clay, alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 8 and 9.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 8 and 9.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W ¼ S8 on W. face and S9 on E. face.
	Deposit fragments of glass around wooden post.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 4, 5, 8 and 9.
	Set a wooden post, treated with creosote, 4x4 ins. 4½ ft. long, 24 ins. in the ground, mkd. with scribe T21S R12W S4 on NE. face, S5 on NW. face, S8 on SW. face and S9 on SE. face.
	Deposit fragments of glass around wooden post.
	Land level. Soil, clay and alkali. Timber, none. Vegetation, none.

Survey, Portion of Subdivision, T. 21 S., R. 12 W.

Chains

N. 0° 03' W., bet. secs. 4 and 5.

Over level Sevier Lake bed.

27.00 Leave Sevier Lake bed, bears NE. and SW.

40.00 Point for the ¼ sec. cor. of secs. 4 and 5.

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.

T21S R12W
¼
S 5 | S 4
1959

Cont. over nearly level land.

70.39 Intersect the Fourth Standard Parallel South.

Point for the closing cor. of secs. 4 and 5, T. 21 S., R. 12 W.

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone,with brass cap mkd.

T20S R12W

S 5 | S 4
C C
T21S R12W
1959

From this cor. the standard cor. of secs. 32 and 33, T. 20 S., R. 12 W. bears W., 1.41 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the dependent resurvey of the south boundary of T. 20 S., R. 12 W.

Land, level.
Soil, clay and alkali.
Timber, none.

Dependent Resurvey of a Portion of the Sevier Lake Guide Meridian Between Tps. 20 and 21 South, Ranges 12 and 13 East

Reestablishment of the resurvey executed by W. W. Bandy in 1925.

Beginning at the ¼ sec. cor. of secs. 1 and 6, T. 21 S., Rs. 12 and 13 W. mkd. by an iron post,1in. diam., conforming to the record.

North, bet. secs. 1 and 6.

Over nearly level land.

18.15 The closing cor. of Tps. 20 and 21 S., R. 13 W., which is an iron post, 3 ins. diam., conforming to the record.

North, bet. secs. 6 and 36, continuing measurement.

28.59 The cor. originally set for the closing cor. of T. 20 S., Rs. 12 and 13 W., which is an iron post, 3 ins. diam., conforming to the record. As this monument is not on the Fourth Standard Parallel South, I add the marks AM to the brass cap.

Dependent Resurvey of a Portion of the Sevier Lake Guide Mer.
Bet. Tps. 20 and 21 South, Ranges 12 and 13 East

Chains	
28.75	Intersect the Fourth Standard Parallel South at the point for the closing cor. of T. 20 S., R. 13 W. and T. 21 S., R. 12 W. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd. T20S R12W S31 S36 | S 6 T20S | T21S R13W | R12W C | C 1959 Build a mound of stone, 3 ft. base, 1½ ft. high, S. of iron post. From this cor., the standard ¼ sec. cor. of sec. 31, T. 20 S., R. 12 W., bears N. 88° 45' E., 32.27 chs. dist., an iron post, 2½ ins. diam., described in the field notes of the resurvey of T. 20 S., R. 12 W. Land, nearly level. Soil, sand. Timber, none.

Survey of a Portion of the Subdivision of T. 21 S., R. 12 W.

	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. N. 0° 03' W., bet. secs. 31 and 32. Over rolling desert land; desc. 10 ft. over N. slope.
4.00	Wash, 4 ft. deep, 40 lks. wide, drains E.
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. T21S R12W ¼ S31 | S32 1959 Deposit charcoal at base of iron post.
55.90	Wash, 3 ft. deep, 20 lks. wide, drains E.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T21S R12W S30 | S29 S31 | S32 1959 Deposit charcoal at base of iron post. Land, low, rolling. Soil, clay and alkali. Timber, none.

Survey, Portion of Subdivision, T. 21 S., R. 12 W.

Chains	
	From the cor. of secs. 28, 29, 32 and 33.
	West, bet. secs. 29 and 32.
	Over dry Sevier Lake bed.
30.00	Leave lake bed, original shore line bears SE. and NW.; asc. 10 ft. over gentle E. slope.
39.97	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 grc ; with brass cap mkd.
	T21S R12W ¼ S29/S32 1959
	Deposit charcoal at base of iron post.
	Cont. over nearly level land covered with shadscale.
79.94	The cor. of secs. 29, 30, 31 and 32.
	Land, nearly level. Soil, clay and alkali. Timber, none.

General Description

The largest part of T. 21 S., R. 12 W. is covered by muddy Sevier Lake bed. The portion not covered by the lake bed consists of a strip of rolling desert land about one and one half miles wide, on the west side of the township, which drains east into the lake bed.

Several trail roads meander across the west portion of the township. Mud prevents travel by vehicle on the lake bed.

The vegetation consists of shadscale, bunch grass and greasewood on the rolling desert land. No vegetation grows on the lake bed.

The soil is sand and clay with gravel spots on the rolling desert land, muddy clay mixed with alkali on the lake bed.

The elevation varies from about 4,519 to 4,650 feet above sea level.

No permanent water was noted during the progress of the survey.

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4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dee Von Thompson	Transit (Principal Assistant)
Jerrold Knight	Notes
Orrin Jorgensen	Chainman
Merril Maxfield	Flagman
Gary Oviatt	Cornerman
Lynn S. Griffin	Notes
Morris Blackburn	Chainman
Larry Schlappi	Flagman
Jeddie Judd	Cornerman
Danny Fredrickson	Notes
Dennis Bland	Chainman
Gordon Shurtz	Flagman
Gary Hardy	Cornerman

16—53765 2

364

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 27th day of April, 1 I have ~~surveyed~~ supervised the independent resurvey of a portion of the south boundary; the dependent resurvey of a portion of the west boundary; and the survey of a portion of the subdivision of T. 21 S., R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which represented in the foregoing field notes as having been executed under my supervision ~~by me and under my direction~~; and the 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

May 20, 1960

Vern E. Lane-Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

DEC 2 [illegible]

Washington, D. C., _____, *19*

The foregoing field notes of the ~~survey of~~ independent resurvey of a portion of the south boundary; the dependent resurvey of a portion of the west boundary; and the survey of a portion of the subdivision of T. 21 S., R. 12 W., Salt Lake Meridian, Utah

executed by Alburn D. Griffin, Craig P. Sylvester, Cadastral Surveyors
Eldon W. Sibley, Cartographic Survey Aid, under the supervision of
Vern E. Lane, Cadastral Surveyor
having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

[illegible]

_____, is a true copy of the original field notes

~~*Cadastral Engineering Staff Officer.*~~

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF THE SOUTH BOUNDARY

AND A

PORTION OF THE SUBDIVISION

OF

TOWNSHIP 22 SOUTH, RANGE 10 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Alburn D. Griffin, Cadastral Surveyor

der special instructions dated April 27, *1959, which provided*

the surveys included under Group No. 411, *approved* April 27, 1959

d assignment instructions dated April 30, *19* 59

Survey commenced June 8, *19* 59

Survey completed August 3, *19* 59

INDEX DIAGRAM

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GPO 866119

Township 22 South, Range 10 West

Chains

The east boundary was surveyed by Sidney R. Reese in 1937. The west boundary was surveyed by J. Gorlinksi in 1880 and dependently resurveyed concurrently and is described in the field notes of T. 22 S., R. 11 W. The north boundary was surveyed concurrently and is described in the field notes of T. 21 S., R. 10 W.

The following field notes are those of the survey of the south boundary and a portion of the subdivision of T. 22 S., R. 10 W. deemed sufficient in extent to facilitate the development of the natural resources and mark the boundaries of those sections normally considered State school sections.

The survey was executed with W. & L. E. Gurley solar transit No. 541330, constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of the survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a one chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. topographic sheets where available. The details of such traverses or triangulations have been thoroughly checked and verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 51' 00.30" N. and longitude 112° 54' 54.30" W. as adjusted from traverses to U. S. G. S. triangulation station Standard G.L.O. brass cap stamped T25S R11-12W $\frac{S36 | S31}{S\ 1}$ 1911

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16°30' East.

Survey of the South Boundary of T. 22 S., R. 10 W.

Chains	
	From the cor. of Tps. 22 and 23 S., Rs. 9 and 10 W., a 3 ins. iron post, set, mkd. and witnessed as described in the official record.
	West, bet. secs. 1 and 36, over sharply rolling mountainous land draining SE.
	Asc. 40 ft. over SE. slope.
3.00	Spur, slopes S. 10° E.; desc. 20 ft. over W. slope.
12.00	Wash, 3 ft. deep, 8 lks. wide, drains S. 40° E.; asc. 120 ft. over E slope.
22.00	Spur, slopes S. 15° E.; desc. 50 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W ¼ S36 / S 1 T23S 1959
	Asc. 30 ft. over E. slope.
47.10	Spur, slopes S.; desc. 40 ft. over W. slope.
48.40	Wash, 2 ft. deep, 8 lks. wide, drains S. 60° E.; asc. 70 ft. over E. slope.
63.80	Spur, slopes S. 10° E.; desc. 30 ft. over W. slope.
66.00	Draw, drains S.; asc. 160 ft. over E. slope.
76.30	Spur, slopes S. 10° E.; desc. 10 ft. over W. slope.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd. T22S R10W S35 | S36 S2 | S1 T23S 1959
	Land, high and rolling. Soil, gravelly. Timber, none.
	West, bet. secs. 2 and 35.
	Over sharply rolling mountainous land covered with scattered juniper.
	Asc. 10 ft. over E. slope.
16.80	Wash, 2 ft. deep, 30 lks. wide, drains S. 80° E.; asc. 400 ft. over steep E. slope.
39.90	Ridge, bears N. and S.; desc. 10 ft. over W. slope.

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Survey of the South Boundary of T. 22 S., R. 10 W.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 2 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W ¼ S35 / S 2 T23S 1959
	Asc. 30 ft. over SE. slope.
48.10	Spur, slopes S.; desc. 40 ft. over W. slope.
50.20	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 40 ft. over SE. slope.
58.60	Spur, slopes SW.; desc. 220 ft. over W. slope.
72.20	Wash, 3 ft. deep, 25 lks. wide, drains SW.
75.70	Wash, 2 ft. deep, 1.00 ch. wide, drains S.; asc. 50 ft. over E. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W S34 | S35 S3 | S2 T23S 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.

West, bet. secs. 3 and 34.

Over mountainous land covered with scattered juniper; asc. 220 ft. over E. slope.

9.00	Ridge, bears N. and S.; desc. 310 ft. over broken W. slope.
18.90	Wash, 2 ft. deep, 10 lks. wide, drains S.; asc. 100 ft. over E. slope.
25.80	Spur, slopes S. 10° W.; desc. 180 ft. over W. slope.
32.60	Unimproved road in bottom of draw, bears N. and S.; draw drains S.; asc. 110 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W ¼ S34 / S 3 T23S 1959

Chains	
	Asc. 330 ft. over SE. slope.
59.80	Top of ridge, bears N. 20° E. and S. 20° W.; desc. 270 ft. over NW. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground in a collar of stone, with brass cap mkd.

T22S R10W
S33 | S34
S4 | S3
T23S
1959

Land, mountainous.
Soil, gravelly.
Timber, scattered juniper.

West, bet. secs. 4 and 33.

Desc. 20 ft. over NW. slope.

14.40	Wash, 2 ft. deep, 15 lks. wide, drains N. 40° E.; asc. 10 ft. over gentle E. slope.
18.40	Unimproved road, bears N. 35° E. & S. 35° W.; asc. 40 ft. over E.slop
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.

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

T22S R10W
¼ S33
S 4
T23S
1959

Asc. 200 ft. over E. slope.

80.00	Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.

T22S R10W
S32 | S33
S5 | S4
T23S
1959

Land, mountainous.
Soil, gravelly.
Timber, scattered juniper.

From the cor. of secs. 4, 5, 32 and 33.

West, bet. secs. 5 and 32.

Asc. 210 ft. over steep E. slope.

Survey of the South Boundary of T. 22 S., R. 10 W.

Chains	
15.50	Top of spur, slopes SE.; desc. 660 ft. over broken SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 3½ ft. base to top, with brass cap mkd. T22S R10W ¼ S32 / S 5 T23S 1959
	Cor. falls in bottom of draw; asc. 50 ft. over E. slope.
43.60	Jeep road, bears N. and E.; asc. 140 ft. over E. slope.
61.10	Spur, slopes SE.; desc. 130 ft. over S. slope.
77.60	Small wash in bottom of draw, drains S.; asc. 30 ft. over E. slope.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W S31 | S32 S6 | S5 T23S 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	West, bet. secs. 6 and 31.
	Asc. 330 ft. over E. slope.
28.00	Spur, slopes S.; desc. 30 ft. over gentle SW. slope.
29.80	Draw, drains SE.; asc. 230 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 3½ ft. base to top, with brass cap mkd. T22S R10W ¼ S31 / S 6 T23S 1959
	Asc. 30 ft. over E. slope.
45.70	Top of ridge, bears N. and S.; desc. 450 ft. along N. slope.
64.00	Head of draw, drains NW.; asc. 30 ft. over NE. slope.
76.70	Crest of small spur, slopes NW.
80.00	Point for the 1/16 sec. cor. of sec. 31, T. 22 S., R. 10 W. only.

Surve of the South Boundar of T. 22 S. R. 10 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W 1/16 S31 80 1959
	Desc. 160 ft. over W. slope.
82.73	Point for the closing cor. of Tps. 23 S., Rs. 10 and 11 W.,, set, mkd and witnessed as described in the field notes of T. 23 S., R. 11 W.
	Desc. 310 ft. over W. slope.
99.10	Base of steep descent, bears N. and S.; desc. 60 ft. over W. slope.
105.27	Intersect a line extended S. from the SE. cor. of T. 22 S., R. 11 W.
	Point for the Southwest cor of T. 22 S., R. 10 W.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R11W | R10W S31 1959
	From this cor. the SE. cor. of T. 22 S., R. 11 W. bears North 7.75 chs. dist.
	Land, mountainous. Soil, gravelly. Timber, sparse juniper.

Survey of a Portion of the Subdivision of T. 22 S., R. 10 W.

	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.
	Over mountainous land covered with scattered juniper.
	Asc. 90 ft. over S. slope.
3.70	Spur, slopes E.; desc. 140 ft. over NE. slope.
13.40	Draw, drains E.; asc. 430 ft. over broken S. slope.
35.60	Spur, slopes E.; desc. 70 ft. over 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., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S35 | S36 1959
	Desc. 230 ft. over NW. slope.
53.30	Draw, drains NE.; asc. 270 ft. over broken SE. slope.
72.00	Spur, slopes NE.; desc. 150 ft. over N. slope.

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Chains	
77.90	Draw, drains NE.; asc. 60 ft. over SE. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W S26 | S25 S35 | S36 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	From the cor. of secs. 25, 30, 31 and 36.
	S. 89° 56' W., bet. secs. 25 and 36.
	Desc. 40 ft. over SW. slope.
5.60	Draw, drains SE.; asc. 230 ft. over E. slope.
15.50	Spur, slopes S.; desc. 140 ft. over SW. slope.
26.10	Draw, drains S.; asc. 100 ft. over SE. slope.
32.80	Spur, slopes S.; desc. 20 ft. over SW. slope.
37.90	Head of draw, drains S.; asc. 10 ft. over SE. slope.
40.03	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 in a mound of stone, 4 ft. base to top, with brass cap mkd. T22S R10W ¼ S25 S36 1959
	Asc. 20 ft. over SE. slope.
41.40	Crest of spur, slopes SW.; desc. 280 ft. over W. slope.
51.10	Unimproved road, bears N. and S.; asc. 190 ft. over SE. slope.
59.20	Spur, slopes NE.; desc. 50 ft. over NW. slope.
66.50	Head of draw, drains N.; asc. 140 ft. over NE. slope.
72.10	Spur, slopes N.; desc. 70 ft. over broken W. slope.
75.50	Draw, drains NE.; asc. 100 ft. over SE. slope.
80.06	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous. Soil, rocky. Timber, scattered juniper.

Survey of a Portion of the Subdivision of T. 22 S., R. 10 W.

Chains

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.

Over gently rolling land covered with sagebrush and scattered juniper

Desc. 60 ft. over N. slope.

23.50 Unimproved road, bears NE. and SW. in swale draining NE.; asc. 10 ft. over gentle SE. slope.

28.70 Small spur, slopes E.; desc. 10 ft. over N. 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, in a collar of stone, with brass cap mkd.

T22S R10W
¼
S33 | S34
1959

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

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

T22S R10W
S28 | S27
S33 | S34
1959

Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.

Land, rolling.
Soil, gravelly.
Timber, scattered juniper.

N. 0° 02' W., bet. secs. 27 and 28.

Over low rolling land.

11.50 Unimproved road, bears NW. and SE.

40.00 Point for the ¼ sec. cor. of secs. 27 and 28.

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

T22S R10W
¼
S28 | S27
1959

Raise a mound of stone, 3 ft. base, 20 ins. high, W. of cor.

Desc. along NE. slope 30 ft.

65.00 Small wash, drains NE.; asc. 10 ft. along E. slope.

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

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

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Survey of a Portion of the Subdivision of T. 22 S., R. 10 W.

Chains	
	T22S R10W S21 | S22 S28 | S27 1959
	Land, low and rolling. Soil, sandy loam. Timber, sparse juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over nearly level land.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.
	T22S R10W ¼ S21 | S22 1959
77.40	Unimproved road, bears N. 20° E. and S. 20° W.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.
	T22S R10W S16 | S15 S21 | S22 1959
	Land, low and rolling. Soil, gravelly. Timber, sparse juniper.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over low rolling land covered with short sagebrush.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.
	T22S R10W ¼ S16 | S15 1959
	Asc. gentle S. slope 50 ft.
78.00	Small spur, slopes E.; desc. 10 ft. over 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., 14 ins. in the ground, in a collar of stone, 3½ ft. base to top, with brass cap mkd.

Chains	
	T22S R10W S 9 | S10 S16 | S15 1959
	Land, low and rolling. Soil, gravelly. Timber, sparse juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over low rolling land.
5.90	Unimproved road, bears NW. and SE.; asc. 160 ft. over gentle S. slope.
40.00	Spur, slopes W.; 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, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S 9 | S10 1959
	Desc. 150 ft. over NW. slope.
68.00	Head of draw, drains W.; asc. 40 ft. along SW. slope.
74.50	Spur, slopes W.; desc. 40 ft. over NW. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W S4 | S3 S33 | S34 1959
	Land, high and rolling. Soil, gravelly. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 3 and 4.
	Asc. 70 ft. over S. slope.
16.80	Spur, slopes W.; desc. 110 ft. over N. slope.
21.40	Draw, drains W.; asc. 100 ft. over S. slope.
28.40	Spur, slopes W.; desc. 130 ft. over N. slope.
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 in a collar of stone, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 22 S., R. 10 W.

Chains	
	T22S R10W ¼ S4 | S3 1959
	Asc. 20 ft. along gentle W. slope.
48.00	Small spur, slopes W.; desc. 20 ft. over NW. slope.
55.00	Small draw, drains W.; asc. 20 ft. over SW. slope.
64.00	Small spur, slopes W.; desc. 40 ft. over N. slope.
73.30	Draw, drains W.; asc. 20 ft. over S. slope.
77.40	Spur, slopes W.; desc. 20 ft. over N. slope.
82.85	The cor. of secs. 3, 4, 33 and 34.
	Land, rolling. Soil, gravelly. Timber, scattered juniper.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.
	S. 0° 01' E., bet. secs. 1 and 2.
	Desc. 80 ft. over gentle S. slope.
21.80	Wash, 2 ft. deep, 30 lks. wide, drains SE.; desc. 90 ft. over S. slope.
42.45	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S2 | S1 1959
	Desc. 20 ft. over S. slope.
44.00	Unimproved road in bottom of wash, bears E. and W.; wash 2 ft. deep, 30 lks. wide, drains E.; asc. 40 ft. over NE. slope.
49.30	Spur, slopes E.; desc. 30 ft. over S. slope.
59.30	Draw, drains E.; asc. 40 ft. over gentle N. slope.
78.20	Spur, slopes E.; desc. 10 ft. over SE. slope.
82.45	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, in a collar of stone, with brass cap mkd.
	T22S R10W S2 | S1 S11 | S12 1959
	Land, rolling. Soil, gravelly. Timber, sparse juniper.

Survey of a Portion of the Subdivision of T. 22 S., R. 10 W.

Chains	
	S. 89° 52' W., bet. secs. 2 and 11, on a line calculated bet. the cor. of secs. 1, 6, 7 and 12, on the E. bdy. and the cor. of secs. 3 4, 9 and 10.
	Asc. along SE. slope 130 ft.
8.90	Spur, slopes NE.; desc. 50 ft. over NW. slope.
20.90	Draw, drains NE.; asc. 490 ft. over E. slope.
36.80	Ridge, bears N. and S.; desc. 30 ft. over W. slope.
37.80	Point selected for the witness ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, in mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S 2 S11 W C 1959
37.95	Rim of ledge, bears N. and S.; desc. 50 ft. over broken vertical ledges.
40.00	Point for the ¼ sec. cor. falls on face of vertical ledge where cor. cannot be perpetuated.
	Desc. 350 ft. over steep W. slope.
65.00	Wash, 3 ft. deep, 30 lks. wide, drains NE.; asc. 50 ft. over gentle E. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, in a collar of stone, with brass cap mkd.
	T22S R10W S3 | S2 S10 | S11 1959
	Land, high and rolling. Soil, gravelly. Timber, none.
	N. 0° 02' W., bet. secs. 2 and 3.
	Asc. gentle S. slope 10 ft.
4.00	Unimproved road, bears SW. and NE.; asc. 60 ft. over S. slope.
23.70	Wash, 4 ft. deep, 20 lks. wide, drains E.; asc. 120 ft. over S. slope
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S3 | S2 1959
	Asc. 140 ft. over S. slope.

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Chains	
59.00	Spur, slopes SE.; desc. 40 ft. over N. slope.
64.40	Head of draw, drains SE.; asc. 130 ft. over SE. slope.
75.80	Spur, slopes E.; desc. 30 ft. over NE. slope.
82.56	The cor. of secs. 2, 3, 34 and 35.
	Land, rolling. Soil, gravelly. Timber, sparse juniper.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Asc. 100 ft. over gentle E. slope.

21.00	Spur, slopes SE.; desc. 20 ft. over SW. slope.
23.60	Draw, drains SE.; asc. 150 ft. over E. slope.
34.00	Spur, projects S.; desc. 20 ft. over W. slope.
35.00	Draw, drains S.; asc. 50 ft. over E. slope.
39.50	Small spur, slopes S.; desc. 10 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.

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

T22S R10W
¼ S16/S21
1959

Desc. 20 ft. over W. slope.

43.90	Draw, drains S.; asc. 390 ft. over E. slope.
68.50	Crest of spur, slopes S.; desc. 280 ft. over W. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd.

T22S R10W
S17 | S16
S20 | S21
1959

Land, mountainous.
Soil, gravelly.
Timber, scattered juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Asc. 30 ft. along W. slope.

8.00	Spur, slopes W.; desc. 30 ft. along NW. slope.

Survey of a Portion of the Subdivision of T. 22 S. R. 10 W.

Chains	
13.00	Draw, drains W.; asc. 100 ft. along S. slope.
23.70	Spur, slopes W.; desc. 30 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S17 | S16 1959
	Desc. 170 ft. over N. slope.
57.20	Draw, drains NW.; asc. 10 ft. over S. slope.
65.70	Wash, 3 ft. deep, 20 lks. wide, drains W.; asc. 20 ft. over S. slope
72.70	Spur, slopes W.; desc. 80 ft. over N. slope.
78.00	Draw, drains NE.; asc. 10 ft. over SW. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W S8 | S9 S17 | S16 1959
	Land, mountainous. Soil, gravelly. Timber, medium dense juniper.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Asc. 200 ft. along E. slope.
19.20	Spur, slopes N.; desc. 190 ft. over W. slope.
29.30	Draw, drains N.; asc. 90 ft. over E. slope.
37.30	Spur, slopes N.; desc. 30 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T22S R10W ¼ S 9 S16 1959
	Desc. 10 ft. over W. slope.
41.50	Draw, drains NE.; asc. 30 ft. over E. slope.

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Chains	
48.90	Spur, slopes N.; desc. 70 ft. over W. slope.
58.00	Draw, drains N.; asc. 110 ft. over E. slope.
75.10	Spur, slopes N.; desc. 150 ft. over W. slope.
79.30	Draw, drains NE.; asc. 10 ft. over SW. slope.
80.00	The cor. of secs. 8, 9, 16 and 17.
	Land, mountainous. Soil, gravelly. Timber, medium dense juniper.

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 land draining E.

2.50	Wash, 3 ft. deep, 20 lks. wide, drains E.; asc. 70 ft. along SE. slope.
18.00	Low spur, slopes E.; desc. 20 ft. over NE. slope.
27.10	Draw, drains E.; asc. 70 ft. over broken SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.

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

T22S R10W
¼
S32 | S33
1959

Asc. 40 ft. over broken SE. slope.

52.40	Top of ascent; cont. along broken NE. slope; desc. 10 ft.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.

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

T22S R10W
S29 | S28
S32 | S33
1959

Land, broken.
Soil, rocky.
Timber, scattered juniper.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.

N. 0° 03' W., bet. secs. 31 and 32.

Over a series of spurs and draws; desc. 10 ft. over N. slope.

Chains	
.70	Small wash, drains SE.; asc. 290 ft. over SW. slope.
30.60	Spur, slopes SE.; desc. 20 ft. over NE. slope.
35.30	Head of draw, drains E.; asc. 20 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S31 | S32 1959
40.30	Spur, slopes SE.; desc. 80 ft. over N. slope.
48.20	Draw, drains E.; asc. 40 ft. over S. slope.
55.00	Spur, slopes E.; desc. 40 ft. over N. slope.
56.50	Draw, drains E.; asc. 40 ft. over S. slope.
68.50	Spur, slopes E.; desc. 50 ft. over gentle N. slope.
70.00	Draw, drains NE.; asc. 40 ft. over SE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground in a collar of stone, with brass cap mkd.
	T22S R10W S30 | S29 S31 | S32 1959
	Land, high and rolling. Soil, rocky. Timber, scattered juniper.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 56' W., bet. secs. 29 and 32.
	Over mountainous land covered with scattered juniper; asc. 80 ft. over E. slope.
6.40	Spur, slopes S.; desc. 310 ft. over W. slope.
28.60	Unimproved road, bears N. and S.; desc. 10 ft. over W. slope.
29.40	Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 30 ft. over E. slope
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, in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T22S R10W ¼ S29 S32 1959
	Asc. 50 ft. over E. slope.

Chains	
51.60	Spur, slopes SE.; desc. 20 ft. over SW. slope.
55.60	Wash, 3 ft. deep, 20 lks. wide, drains SE.; asc. 180 ft. over SE. slope.
80.00	The cor. of secs. 29, 30, 31 and 32.
	Land, mountainous. Soil, gravelly. Timber, scattered juniper.

GENERAL DESCRIPTION

A considerable variety of land and soil is found in T. 22 S., R. 10 W. and consists mainly of the Cricket Mountains. The general elevation of the township ranges from about 5,500 feet to 6,600 feet above sea level. The mountains bear north and south throughout the township. The Big Sage Valley lies in the central portion of the township. The mountains are covered with scattered juniper and some pinion pine, buckbrush, June grass, gramma grass and desert scouring rush. The valleys are covered with sage, shadscale, June grass and gramma grass.

A graded road enters the township in the southern portion between sections 4 and 33, and bears northeast and southwest, winding its way through the central portion and leaving the northern boundary between sections 4 and 33, bearing north and south. An unimproved road enters the southeastern portion of the township between sections 31 and 36, bears northwest and southeast, winding through the eastern portion by way of the Little Sage Valley, leaving the township in the northeastern portion between sections 1 and 6, bearing east and west. There are other less traveled unimproved roads that branch off these two roads and lead to sheep camps and water storage tanks throughout the township.

No permanent water was noted in the township.

Chains

U. S. GOVERNMENT PRINTING OFFICE 16—26480-2

4-680
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Alburn D. Griffin	Transit
Lynn S. Griffin	Notekeeper
Morris E. Blackburn	Chainman
Jeddie J. Judd	Cornerman
Larry Schlappi	Flagman

16—53565-2

386

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 1959, I have surveyed the south boundary and a portion of the subdivision of T. 22 S., R. 10 W.

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 th Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah

May 5, 1960

Vern E. Lane
Cadastral Surveyor (Chief of Party)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., ..., 19....

The foregoing field notes of the survey of the south boundary and a portion of the subdivision of T. 22 S., R. 10 W., Salt Lake Meridian, Utah

executed by Alburn D. Griffin, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor (Chief of Party) having been critically examined and found correct, are hereby approved.

Cadastral Engineering Staff Officer.

I CERTIFY that the foregoi script of the field notes of the above-described surveys in T. 22 S. R. 10 W., SLM, Utah, is a true copy of the ori d notes.

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND SURVEY

OF THE SOUTH BOUNDARY

DEPENDENT RESURVEY

OF THE EAST BOUNDARY

AND

DEPENDENT RESURVEY AND SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 22 SOUTH, RANGE 11 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Craig P. Sylvester, Cadastral Surveyor

der special instructions dated April 27 *, 19*59 *, which provided*

r the surveys included under Group No. 411 *, approved* April 27, 1959

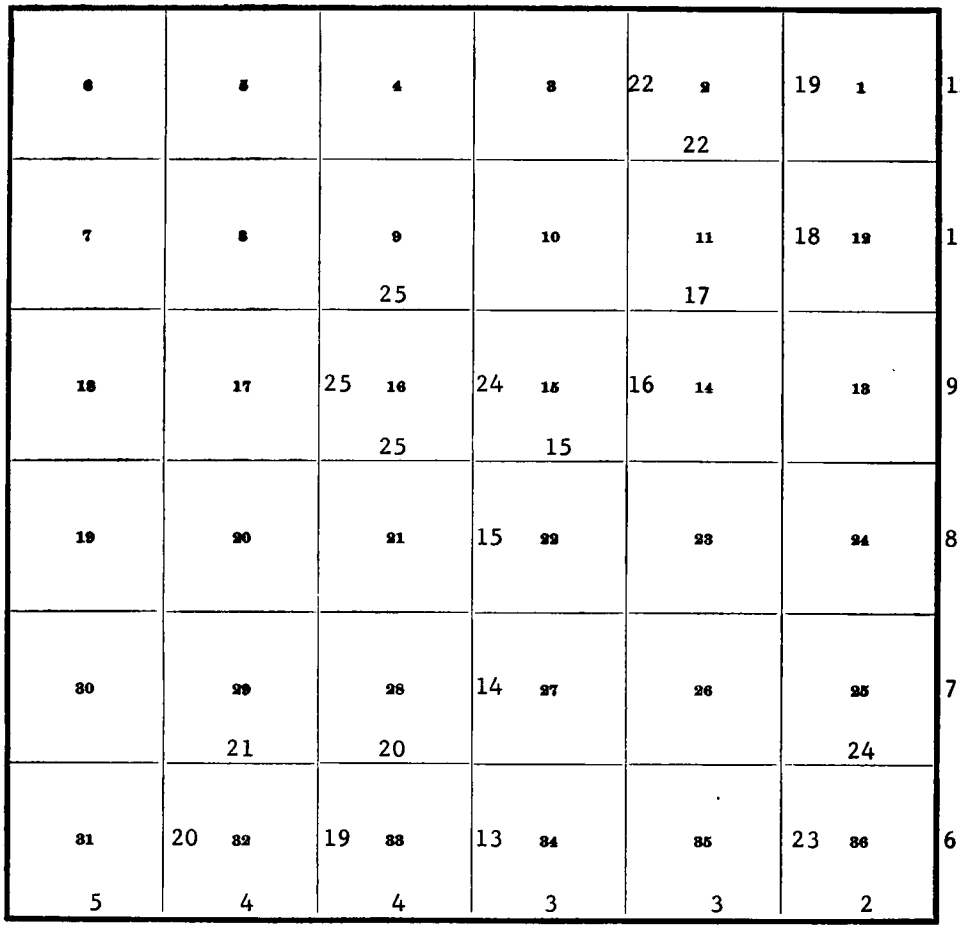
d assignment instructions dated April 30 *, 19* 59

Survey commenced May 29 *, 19*59

Survey completed August 11 *, 19*59

INDEX DIAGRAM

Township 22 South, *Range* 11 West



GPO 866119

Township 22 South, Range 11 West

Chains

The east boundary, a portion of the south boundary, a portion of the north boundary and a portion of the subdivision were surveyed by J. Gorlinski in 1880. A portion of the north boundary was dependently resurveyed and a portion surveyed concurrently under the same group and the record appears in the field notes of T. 21 S., R. 11 W. A portion of the west boundary was surveyed concurrently and shows in the field notes of T. 22 S., R. 12 W.

The following field notes are those of a dependent resurvey and survey of the south boundary; a dependent resurvey of the east boundary; a dependent resurvey and survey of a portion of the subdivision of T. 22 S., R. 11 W. They are deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

Before restoring the corners, the lines of the original survey were retraced and a diligent search made for any evidence of the original corners. The rules of proportionate measurement were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the original corners had been exhausted.

The survey was executed with W. & L. E. Gurley Solar Transit No. 461263 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents along alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by tellurometer. The details of such tellurometer measurements have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 51' 05.4" N. and longitude 113° 01' 56" W. as adjusted from traverses to U. S. G. S. triangulation station. Standard G.L.O. brass cap stamped T25S R11-12W $\frac{S36|S31}{1}$ 1911.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Dependent Resurvey, Portion of S. Bdy., T. 22 S., R. 11 W.

Chains

Dependent Resurvey of a Portion of the South Boundary of T.22S.,R11

Reestablishing the survey executed by J. Gorlinski in 1880.

Beginning at point for the SE. cor. of T. 22 S., R. 11 W., at record dist. southing from the original NE. cor. of the Tp., and record dis easting from the original cor. of secs. 5, 6, 31 and 32 on the S. bd of the Tp. There is no evidence of original cor.

At the same point

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

T22S
R11W R10W
S36 | S31
1959

S. 88° 47' W., along the S. bdy. of sec. 36.

Over mountainous desert land; desc. 60 ft. over W. slope.

12.00 Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 150 ft. over W. slope.

40.01 Point for the ¼ sec. cor. of sec. 36, T. 22 S., R. 11 W. only, at record dist. Original cor. not found.

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, with brass cap mkd.

T22S R11W
¼ S36

T23S
1959

Desc. 20 ft. over W. slope.

46.00 Small wash, drains NW.; desc. 50 ft. over W. slope.

62.70 Wash, 1 ch. wide, 1 ft. deep, also unimproved road, drains N. 60° W. asc. 100 ft. over NE. slope of spur.

69.60 Spur, slopes N. about 6 chs. to end; desc. 120 ft. over NW. slope.

80.02 Point for the cor. of secs. 35 and 36, T. 22 S., R. 11 W. only, at record dist. Original cor. not found.

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.

T22S R11W
S35 | S36

T23S
1959

Cor. falls in cove draining N.

Land, mountainous desert.
Soil, gravel and rocks.
Timber, none.

Dependent Resurvey, Portion of S. Bdy., T. 22 S., R. 11 W.

Chains	
	S. 88° 47' W., along the S. bdy. of sec. 35.
	Over mountainous desert land; asc. 20 ft. over NE. slope.
8.90	Spur, slopes N. about 5 chs.; desc. 50 ft. over NW. slope.
32.00	Wash, 20 lks. wide, 3 ft. deep, drains N. 20° W.; asc. 30 ft. over NE. slope.
40.01	Point for the ¼ sec. cor. of sec. 35, T. 22 S., R. 11 W, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone 4 ft. base to top, with brass cap mkd.
	T22S R11W ¼ S35 T23S 1959
	Asc. 370 ft. over NE. slope.
57.40	Top of ascent on high spur, slopes N.; desc. 500 ft. over NW. slope.
80.02	Point for the cor. of secs. 34 and 35, T. 22 S., R. 11 W. only, at record dist.
	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, with brass cap mkd.
	T22S R11W S34 | S35 T23S 1959
	Land, mountainous desert. Soil, gravel and rocks. Timber, none.
	S. 88° 47' W., along S. bdy. of sec. 34.
	Over mountainous desert land; desc. 200 ft. over irregular NW. slope.
23.90	End of steep descent, bears SW. and curves NE.; desc. rolling bench land, draining W.
25.80	Unimproved road, bears N. and S.; desc. 50 ft. over rolling W. slope.
40.01	Point for the ¼ sec. cor. of sec. 34, T. 22 S., R. 11 W., only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T22S R11W ¼ S34 T23S 1959
	Desc. 30 ft. over rolling W. slope.
51.70	Small wash, drains SW. irregularly; desc. 40 ft. over W. slope.
80.02	Point for the cor. of secs. 33 and 34, T. 22 S., R. 11 W. only, at record dist.

Dependent Resurvey, Portion of S. Bdy., T. 22 S., R. 11 W.

Chains

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, with brass cap mkd.

T22S R11W
S33 | S34

T23S
1959

Land, mountainous, and rolling W. slope.
Soil, rocky in mountains, gravel on slopes.
Timber, none.

S. 88° 47' W., along the S. bdy. of sec. 33.

Over rolling desert land; desc. gentle NW. slope.

4.00 Unimproved road, bears NW. and SE.; desc. 80 ft. over gentle NW.slop

26.60 Rim of bench, bears S. and curves NE., about 15 ft. high; desc. 20 f over NW. slope.

29.00 Small wash, drains NW.; desc. 15 ft. over gentle NW. slope.

38.60 Swale, drains NW.; desc. gentle NW. slope.

40.01 Point for the ¼ sec. cor. of sec. 33, T. 22 S., R. 11 W. only, at record dist.

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.

T22S R11W
¼ S33

T23S
1959

Desc. 40 ft. over gentle NW. slope.

60.50 Wash, 2 ft. deep, 20 lks. wide, drains NW.; desc. 10 ft. over gentle NW. slope of bottom land.

80.02 Point for the cor. of secs. 32 and 33, T. 22 S., R. 11 W. only, at record dist.

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.

T22S R11W
S32 | S33

T23S
1959

Land, rolling NW. slope.
Soil, gravel on slopes, clay on bottom land.
Timber, none.

S. 88° 47' W., along the S. bdy. of sec. 32.

Over rolling desert bottom land, covered with shadscale and greasewood; desc. 40 ft. over gentle W. slope.

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Dependent Resurvey, Portion of S. Bdy., T. 22 S., R. 11 W.

Chains	
40.01	Point for the ¼ sec. cor. of sec. 32, T. 22 S., R. 11 W. only, at record dist. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd. T22S R11W ¼ S32 T23S 1959 Desc. 30 ft. over gentle W. slope.
80.02	The original cor. of secs. 5, 6, 31 and 32, mkd. by faint trace of pits and decayed wood of old post, which appeared to have been mkd. This cor. will now function as the cor. of secs. 31 and 32, T. 22 S., R. 11 W. only. At the same 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. T22S R11W S31 | S32 T23S 1959 Land, rolling bottom land. Soil, clay with alkali spots. Timber, none.

Survey of a Portion of the South Boundary, T. 22 S., R. 11 W.

	West, along S. bdy. of sec. 31. Over rolling bottom land, with W. exposure.
13.20	Leave vegetation; cont. across low spur of land extending NW. into Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of sec. 31, T. 22 S., R. 11 W. only. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd. T22S R11W ¼ S31 T23S 1959 Cont. across spur of land extending into Sevier Lake bed.
46.50	Edge of spur, bears NW. and curves SE.; desc. 40 ft. over SW. slope.
62.00	Shoreline of same lake bed, bears NW. and curves SE.; cont. over lake bed.
63.96	Intersect the E. bdy. of T. 22 S., R. 12 W. Point for the closing Tp. cor. of Tps. 22 and 23 S., R. 11 W.

Survey Portion of S. Bd . T. 22 S. R. 11 W.

Chains	
	Set a creosote treated wooden post 4x4 ins. 4½ ft. long, 24 ins. in t ground, scribed with T22S R11W S31 on NE. face, T23S S6 C C on SE.face T22S R12W on NW. face.
	Deposit glass around post.
	From this cor. the cor. of Tps. 22 and 23 S., R. 12 W. bears S. 6.78 chs. dist., a wooden post described in the field notes of T. 23 S., R. 12 W.
	Land, rolling. Soil, clay alkali on lake bed. Timber, none.
	Dependent Resurvey of the East Boundary of T. 22 S., R. 11 W.
	Reestablishing the survey executed by J. Gorlinski in 1880.
	From the SE. cor. of T. 22 S., R. 11 W.
	From this cor. the SW. cor. of T. 22 S., R. 10 W., bears S. 7.75 chs. dist., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 22 S., R. 10 W.
	N. 0° 25' W., along the E. bdy. of sec. 36.
	Over mountainous desert land, covered with shadscale, along W. slope.
16.60	Wash, 2 ft. deep, 30 lks. wide, drains W.; asc. 20 ft. along W. slope.
24.40	Wash, 20 lks. wide, 4 ft. deep, drains SW.; cont. along W. slope.
32.25	Point for the ¼ sec. cor. of sec. 31, T. 22 S., R. 10 W. only.
	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. T22S R11W R10W ¼ S31 1959
	Cont. along W. slope.
40.00	Point for the ¼ sec. cor. of sec. 36, T. 22 S., R. 11 W. only, at record dist.
	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, with brass cap mkd. T22S R11W R10W ¼ S36 1959
	Desc. 50 ft. along W. slope.
53.20	Wash, 30 lks. wide, 4 ft. deep, drains SW.; asc. 60 ft. along W.slope.
70.80	Wash, 20 lks. wide, 3 ft. deep, drains SW.; cont. along W. slope.
72.25	Point for the cor. of secs. 30 and 31, T. 22 S., R. 10 W. only.
	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, with brass cap mkd.

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Chains	
	T22S R11W R10W S36 | S30 S31 1959
	Desc. 10 ft. along W. slope.
80.00	Point for the cor. of secs. 25 and 36, T. 22 S., R. 11 W. only, at record dist.
	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.
	T22S R11W R10W S25 / S36 | S30 1959
	Land, mountainous desert. Soil, gravel and rocks. Timber, none.
	N. 0° 25' W., along the E. bdy. of sec. 25.
	Over mountainous desert land, covered with shadscale, along W. slope.
.50	Wash, 20 lks. wide, 2 ft. deep, drains W. irregularly; desc. 20 ft. along W. slope.
7.40	Wash, 20 lks. wide, 2 ft. deep, drains W.; cont. along W. slope.
14.70	Small wash, drains W.; desc. 70 ft. along W. slope.
26.00	Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 20 ft. over NW. slope.
32.25	Point for the ¼ sec. cor. of sec. 30, T. 22 S., R. 10 only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, with brass cap mkd.
	T22S R11W R10W ¼ S30 1959
	Desc. 30 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 25, T. 22 S., R. 11 W. only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock and in a mound of stone 3½ ft. base to top, with brass cap mkd.
	T22S R11W R10W ¼ S25 1959
	Cont. over NW. slope.

Dependent Resurvey, E. Bdy., T. 22 S., R. 11 W.

Chains	
42.20	Wash, 1 ch. wide, 3 ft. deep, drains NW. irregularly; desc. 50 ft. over NW. slope.
57.80	Wash, 2 ft. deep, 20 lks. wide, drains W.; asc. 40 ft. along W. slope.
66.40	Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 30 ft. over SW. slope.
72.25	Point for the cor. of secs. 19 and 30, T. 22 S., R. 10 W. only.
	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, with brass cap mkd.
	T22S R11W R10W S25 | S19/S30 1959
	Asc. 10 ft. over SW. slope.
80.00	Point for the cor. of secs. 24 and 25, T. 22 S., R. 11 W. only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone 3 ft. base to top, with brass cap mkd.
	T22S R11W R10W S24/S25 | S19 1959
	Land, mountainous desert. Soil, gravel and rocks. Timber, none.
	N. 0° 25' W., along the E. bdy. of sec. 24.
	Over mountainous desert land, covered with shadscale; asc. SW. slope.
1.20	Small wash, drains SW.; asc. 50 ft. over SW. slope.
7.60	Wash, 2 ft. deep, 20 lks. wide, drains SW.; asc. 100 ft. over steep SE. slope.
15.70	Draw, drains SE.; asc. 120 ft. over steep and ledgy SE. slope.
24.30	Spur, slopes NE., desc. 70 ft. over NE. slope.
32.75	Point for the ¼ sec. cor. of sec. 19, T. 22 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, with brass cap mkd.
	T22S R11W R10W | ¼ S19 1959
	Desc. 125 ft. over steep NE. slope.
37.70	Wash, drains NE.; asc. 10 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of sec. 24, T. 22 S., R. 11 W. only, at record dist.

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Dependent Resurvey, E. Bdy., T. 22 S., R. 11 W.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a mound of stone 2½ ft. base to top, with brass cap mkd.
	T22S R11W R10W ¼ S24 1959
	Asc. 30 ft. over SE. slope.
45.20	Spur, slopes E.; desc. 190 ft. over N. slope.
54.80	Base of hills, bears W. and curves NE.; desc. 10 ft. over N. slope.
56.50	Wash, 1 ch. wide, 3 ft. deep, drains NW.; desc. 30 ft. over gentle NW. slope.
69.10	Wash, 20 lks. wide, 4 ft. deep, drains NW. irregularly; desc. NW. slope.
72.25	Point for the cor. of secs. 18 and 19, T. 22 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, with brass cap mkd.
	T22S R11W R10W S24 | S18 S19 1959
73.70	Wash, 30 lks. wide, 3 ft. deep, drains NW.; desc. NW. slope.
80.00	Point for the cor. of secs. 13 and 24, T. 22 S., R. 11 W. only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T22S R11W R10W S13 S24 | S18 1959
	Land, mountainous desert. Soil, gravel and rocks. Timber, none.
	N. 0° 25' W., along the E. bdy. of sec. 13.
	Over desert land, covered with shadscale; desc. 30 ft. over NW. slope, on W. slopes of Cricket Mountain.
8.50	Drain, drains NW.; desc. 160 ft. over NW. slope.
32.25	Point for the ¼ sec. cor. of sec. 18, T. 22 S., R. 10 W. only.
	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.

Dependent Resurvey, E. Bdy., T. 22 S., R. 11 W.

Chains	
	T22S R11W R10W ¼ S18 1959
	Desc. 60 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 13, T. 22 S., R. 11 W. only, at record dist. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock and in a mound of stone 4½ ft. base to top, with brass cap mkd.
	T22S R11W R10W ¼ S13 1959
	Cont. over NW. slope.
41.10	Wash, 20 lks. wide, 4 ft. deep, drains NW.; asc. 50 ft. over SW.slope.
59.80	Top of rise, bears SW. and NE.; desc. 25 ft. over NW. slope.
65.50	Small wash, drains NW.; desc. 35 ft. over NW. slope.
72.25	Point for the cor. of secs. 7 and 18, T. 22 S., R. 10 W. only. 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, with brass cap mkd.
	T22 S R11W R10W S13 | S 7 / S18 1959
	Desc. 20 ft. over NW. slope.
74.00	Small wash, drains NW.; asc. 15 ft. over SW. slope of small spur.
80.00	Point for the cor. of secs. 12 and 13, T. 22 S., R. 11 W. only, at record dist. 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.
	T22S R11W R10W S12 / S13 | S 7 1959
	Land, rolling W. slopes of Cricket Mountains. Soil, gravel and rocks. Timber, none.

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Chains	
	N. 0° 25' W., along the E. bdy. of sec. 12.
	Over rolling desert land on W. slopes of Cricket Mountain; asc. SW. slope of low spur.
1.50	Low spur, slopes NW.; desc. 110 ft. over NW. slope.
17.00	Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
32.25	Point for the ¼ sec. cor. of sec. 7, T. 22 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, with brass cap mkd. T22S R11W R10W ¼ S 7 1959
	Desc. 15 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 12, T. 22 S., R. 11 W. only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone 4 ft. base to top, with brass cap mkd. T22S R11W R10W ¼ S12 1959
	Desc. 20 ft. over NW. slope.
48.30	Wash, 20 lks. wide, 3 ft. deep, drains [illegible].; desc. NW. slope.
54.30	Wash, drains NW.; cont. over NW. slope.
54.50	Unimproved road, bears NE. and SW.; desc. 100 ft. over NW. slope.
72.25	Point for the cor. of secs. 6 and 7, T. 22 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone 4 ft. base to top, with brass cap mkd. T22S R11W R10W S 1 | S 6 / S 7 1959
	Desc. 30 ft. over NW. slope.
80.00	Point for the cor. of secs. 1 and 12, T. 22 S., R. 11 W. only, at record dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock and in a mound of stone 3½ ft. base to top, with brass cap mkd.

Dependent Resurvey, E. Bdy., T. 22 S., R. 11 W.

Chains	
	T22S R11W R10W S 1 | S 6 S12 | 1959
	Land, rolling W. slopes of Cricket Mountain. Soil, clay, gravel and rocks. Timber, none.
	N. 0° 25' W., along the E. bdy. of sec. 1.
	Over desert land, covered with shadscale; desc. 15 ft. over NW. slope
7.40	Wash, 20 lks. wide, 4 ft. deep, drains NW.; asc. 20 ft. over SW.slope
24.00	Rise, bears NE. and SW.; desc. 20 ft. over NW. slope.
32.25	Point for the ¼ sec. cor. of sec. 6, T. 22 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone 3 ft. base, with brass cap mkd.
	T22S R11W R10W ¼ S 6 1959
	Desc. 10 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of sec. 1, T. 22 S., R. 11 W. only, at record dist.
	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, with brass cap mkd.
	T22S R11W R10W ¼ S 1 1959
	Desc. 30 ft. over NW. slope.
52.20	Small wash, drains NW.; desc. 20 ft. over NW. slope.
59.70	Wash, 20 lks. wide, 3 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
75.37	The closing cor. of Tps. 21 and 22 S., R. 10 W. an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 21 S., R. 10 W.
80.00	The original cor. of Tps. 21 and 22 S., Rs. 10 and 11 W., a sandstone 20x10x6, set, mkd. and witnessed as described in the official record. This cor. will now function as the cor. of Tps. 21 and 22 S., R. 11 W. only.
	At the same point
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground and in a mound of stone 4 ft. base to top, with brass cap mkd.

Chains	
	T21S R11W R10W S36 | S31 S 1 | T22S 1959
	Deposit original cor. N. of iron post.
	Land, rolling W. slopes of Cricket Mountain. Soil, gravel and rocks. Timber, none.
	Dependent Resurvey of a Portion of the Subdivision, T. 22 S., R. 11 W.
	Reestablishment of the survey executed by J. Gorlinski in 1880.
	From the cor. of secs. 33 and 34 on the S. bdy.
	N. 0° 19' W., bet. secs. 33 and 34.
	Over rolling desert land; desc. gentle NW. slope.
11.60	Unimproved road, bears E. and W.; cont. over gentle NW. slope.
16.70	Crest of small bench, bears E. and W. irregularly; desc. 40 ft. over N. slope.
34.50	Wash, 60 lks. wide, 2 ft. deep, drains W.; desc. along gentle W.slope.
39.72	Point for the ¼ sec. cor. of secs. 33 and 34, at proportionate dist.; no evidence of original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T22S R11W ¼ S33 | S34 1959
	Cont. along gentle W. slope.
44.20	Small wash, drains SW.; desc. 15 ft. along gentle W. slope.
51.20	Wash, 1 ch. wide, 2 ft. deep, drains W.; desc. along gentle W. slope.
52.40	Bulldozed road, bears NE. and SW.
75.20	Low rise, extends E. and W.; desc. 5 ft. along gentle W. slope.
79.44	The original cor. of secs. 27, 28, 33 and 34, a sandstone 14x8x4 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.
	T22S R11W S28 | S27 S33 | S34 1959
	Deposit original cor. N. of iron post.

Dependent , Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	Land, rolling desert. Soil, clay, gravel. Timber, none.
	N. 0° 51' W., bet. secs. 27 and 28.
	Over rolling desert land, covered with shadscale; desc. 25 ft. over gentle NW. slope.
14.60	Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 20 ft. over gentle NW. slope.
28.50	Small wash, drains NW.; desc. 20 ft. over gentle NW. slope.
40.18	The original ¼ sec. cor. of secs. 27 and 28, a sandstone 12x6x6 ins. set mkd. and witnessed as described in the official record.
	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.
	T22S R11W ¼ S28 | S27 1959
	Deposit original cor. N. of iron post.
	N. 0° 43' W., beginning new measurement.
	Desc. 20 ft. over gentle NW. slope.
8.10	Small wash, drains NW.; asc. 20 ft. over gentle SW. slope.
10.90	Top of white clay knoll; desc. 20 ft. over NW. slope, through rolling clay dunes.
15.40	Small wash, drains NW.; cont. along gentle NW. slope.
26.30	Small wash, drains NW.; cont. over gentle NW. slope, leave clay dunes.
38.20	Small wash, drains NW.; cont. over gentle NW. slope.
40.33	The original cor. of secs. 21, 22, 27 and 28, a sandstone 10x10x8 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T22S R11W S21 | S22 S28 | S27 1959
	Deposit original cor. N. of iron post.
	Land, rolling desert. Soil, clay, gravel spots. Timber, none.

Chains	
	N. 0° 38' W., bet. secs. 21 and 22.
	Over rolling desert land, covered with shadscale; desc. 15 ft. over gentle NW. slope.
19.20	Small wash, drains NW.; desc. 10 ft. over gentle NW. slope.
31.70	Wash, 30 lks. wide, 3 ft. deep, drains NW.; cont. over gentle NW. slope.
40.17	The original ¼ sec. cor. of secs. 21 and 22, a sandstone 12x8x6 ins. set, mkd. and witnessed as described in the official record.
	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.
	T22S R11W ¼ S21 | S22 1959
	Deposit original cor. N. of iron post.
	N. 0° 39' W., bet. secs. 21 and 22, beginning new measurement.
	Desc. 20 ft. over gentle NW. slope.
15.00	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 5 ft. along gentle W. slope.
21.30	Small wash, drains NW.; desc. 15 ft. over gentle NW. slope.
40.21	The original cor. of secs. 15, 16, 21 and 22, a sandstone 10x6x5 ins. set, mkd. and witnessed as described in the official record.
	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.
	T22S R11W S16 | S15 S21 | S22 1959
	Deposit original cor. N. of iron post.
	Land, rolling desert. Soil, clay and gravel spots. Timber, none.
	N. 89° 16' E., bet. secs. 15 and 22.
	Over rolling desert land, covered with shadscale; asc. 25 ft. over gentle NW. slope.
14.90	Wash, 20 lks. wide, 3 ft. deep, drains NW.; asc. 10 ft. over gentle NW. slope.
24.10	Wash, 30 lks. wide, 3 ft. deep, drains NW.; asc. 40 ft. over gentle NW. slope.
40.37	The original ¼ sec. cor. of secs. 15 and 22, a sandstone 12x10x8 ins. set, mkd. and witnessed as described in the official record.

...t Resurve..., Portion of Subdivis... T. 22 S., R. 11 W.

Chains	
	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.
	T22S R11W ¼ S15/S22 1959
	Deposit original cor. N. of iron post.
	N. 89° 17' E., bet. secs. 15 and 22, beginning new measurement.
	Asc. 60 ft. over rolling NW. slope.
15.80	Small wash, drains NW.; asc. 10 ft. over gentle NW. slope.
26.70	Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 25 ft. over NW. slope.
40.39	The original cor. of secs. 14, 15, 22 and 23, a sandstone 12x10x8 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	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, with brass cap mkd.
	T22S R11W S15 | S14 S22 | S23 1959
	Deposit original cor. N. of iron post.
	Land, rolling desert. Soil, clay and gravel. Timber, none.
	N. 0° 42' W., bet. secs. 14 and 15.
	Over rolling desert land, covered with shadscale; desc. 20 ft. over gentle NW. slope.
10.30	Small wash, drains NW.; desc. 10 ft. over gentle NW. slope.
17.20	Wash, 20 lks. wide, 2 ft. deep, drains NW.; desc. 20 ft. over NW. slope.
35.40	Small wash, drains NW.; desc. 5 ft. over NW. slope.
39.97	The original ¼ sec. cor. of secs. 14 and 15, a sandstone 12x10x8 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

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Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	T22S R11W ¼ S15 | S14 1959
	Deposit original cor. N. of iron post.
	N. 0° 40' W., beginning new measurement.
	Desc. 5 ft. over gentle NW. slope.
6.90	Small wash, drains NW. irregularly; desc. 20 ft. over NW. slope.
24.00	Wash, 40 lks. wide, 4 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
34.30	Wash, 10 lks. wide, 1 ft. deep, drains NW.; cont. over gentle NW. slope.
40.00	The original cor. of secs. 10, 11, 14 and 15, a sandstone 24x10x8 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock and in a mound of stone, 3 ft. base, to top, with brass cap mkd.
	T22S R11W S10 | S11 S15 | S14 1959
	Deposit original cor. N. of iron post.
	Land, rolling desert. Soil, clay and gravel. Timber, none.
	N. 89° 11' E., bet. secs. 11 and 14.
	Over rolling desert land, covered with shadscale; asc. 40 ft. over NW. slope.
22.30	Small wash, drains NW.; asc. 20 ft. over NW. slope.
37.20	Wash, 10 lks. wide, 1 ft. deep, drains NW.; asc. 10 ft. over NW. slope.
40.22	The original ¼ sec. cor. of secs. 11 and 14, a sandstone 12x6x6 ins. set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T22S R11W ¼ S11 S14 1959
	Deposit original cor. N. of iron post.

Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	N. 89° 21' E., beginning new measurement.
	Asc. 145 ft. over rolling NW. slope.
40.18	The original cor. of 11, 12, 13 and 14, a sandstone 16x14x5 ins., set, mkd. and witnessed as described in the official record.
	At the cor. point
	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, with brass cap mkd.
	T22S R11W S11 | S12 S14 | S13 1959
	Deposit original cor. N. of iron post.
	Land, rolling desert. Soil, clay W. portion, gravel and rocks E. portion. Timber, none.
	N. 0° 38' W., bet. secs. 11 and 12.
	Over rolling desert land, covered with shadscale; desc. 10 ft. over NW. slope.
8.40	Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 40 ft. over NW. slope.
29.90	Small wash, drains NW.; desc. 30 ft. over NW. slope.
40.33	Point for the ¼ sec. cor. of secs. 11 and 12, at proportionate dist.
	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, with brass cap mkd.
	T22S R11W ¼ S11 | S12 1959
	Cont. over gentle NW. slope.
46.00	Top of low rise, extends E. and W.; desc. 20 ft. along W. slope.
61.00	Wash, 20 lks. wide, 2 ft. drains NW.; desc. 20 ft. along W. slope.
80.66	The original cor. of secs. 1, 2, 11 and 12, a sandstone 10x10x8 ins. set, mkd. and witnessed as described in the official record.
	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.
	T22S R11W S 2 | S 1 S11 | S12 1959
	Deposit original cor. N. of iron post.

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Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	Land, rolling desert. Soil, clay, gravel and rocks. Timber, none.
	N. 0° 53' W., bet. secs. 1 and 2.
	Over rolling desert land, covered with shadscale, along gentle W. slope.
6.00	Small drain, drains W.; asc. 15 ft. along W. slope.
23.00	Rise, extends E. and W.; desc. 20 ft. along W. slope.
31.00	Small wash, drains W.; cont. along W. slope.
40.39	The original ¼ sec. cor. of secs. 1 and 2, a sandstone 12x7x5 ins., set, mkd. and witnessed as described in the official record.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 3 ft. base to top, with brass cap mkd. T22S R11W ¼ S 1 | S 2 1959
	Deposit original cor. N. of iron post.
	North, beginning new measurement.
	Desc. 30 ft. along a gentle W. slope.
39.30	Wash, 20 lks. wide, 3 ft. deep, drains W.; cont. along W. slope.
40.93	The cor. of secs. 1, 2, 35 and 36 on the N. bdy.
	Land, rolling desert. Soil, clay, gravel. Timber, none.
	From the cor. of secs. 32 and 33 on the S. bdy.
	N. 0° 44' W., bet. secs. 32 and 33.
	Over rolling desert land, covered with shadscale; desc. along gentle W. slope.
8.00	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 10 ft. along gentle W. slope.
18.80	Small wash, drains W.; cont. along gentle W. slope.
28.00	Wash, 30 lks. wide, 5 ft. deep, drains W.; cont. along W. slope.
39.95	Point for the ¼ sec. cor. of secs. 32 and 33, at proportionate dist.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

De . . Resurvey Portion of Subdivis T. 22 S. R. 11 W.

Chains

T22S R11W
¼
S32 | S33
1959

Desc. 10 ft. along gentle W. slope.

48.00 Wash, 30 lks. wide, 5 ft. deep, drains W.; desc. 20 ft. along gentle W. slope.

79.90 The original cor. of secs. 28, 29, 32 and 33, a sandstone 12x8x6 ins. set, mkd. and witnessed as described in the official record.

At the cor. point

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground and in a collar of stone, with brass cap mkd.

T22S R11W
S29 | S28
S32 | S33
1959

Deposit original cor. N. of iron post.

Land, rolling desert.
Soil, gravel and clay.
Timber, none.

From the cor. of secs. 27, 28, 33 and 34.

S. 89° 13' W., bet. secs. 28 and 33.

Over rolling desert land, covered with shadscale; desc. 95 ft. over gentle NW. slope.

40.07 The original ¼ sec. cor. of secs. 28 and 33, a limestone, 12x8x6 ins. dimly mkd, foreign to this area.

At the cor. point

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

T22S R11W
¼ S28
S33
1959

Deposit original cor. N. of iron post.

S. 89° 03' W., beginning new measurement.

Desc. 90 ft. over rolling NW. slope.

40.52 The cor. of secs. 28, 29, 32 and 33.

Land, rolling desert.
Soil, clay and gravel spots.
Timber, none.

From the cor. of secs. 31 and 32 on the S. bdy.

N. 0° 52' W. bet. secs. 31 and 32.

Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	Over level desert land, covered with shadscale and greasewood, through small clay dunes.
40.21	The original ¼ sec. cor. of secs. 31 and 32, a sandstone 8x6x4 ins. firmly set, and dimly mkd., foreign to this area.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T22S R11W ¼ S31 | S32 1959
	Deposit original cor. N. of iron post.
	N. 0° 45' W., beginning new measurement.
	Desc. 15 ft. along gentle NW. slope.
22.00	Shoreline of Sevier Lake, bears NE. and SW., leave vegetation; cont. over level lake bed.
40.21	The original cor. of secs. 29, 30, 31 and 32, a sandstone 14x10x8 ins plainly mkd. and firmly set.
	Land, rolling and level lake bed. Soil, sand, clay and alkali in lake bed. Timber, none.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 19' W., bet. secs. 29 and 32.
	Over rolling desert land, covered with shadscale; desc. 45 ft. over gentle NW. slope.
27.00	Wash, 20 lks. wide, 5 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
36.30	Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 5 ft. over NW.slope.
40.00	The original ¼ sec. cor. of secs. 29 and 32, a sandstone 10x8x4 ins. faintly mkd. and foreign to this area.
	At the cor. point
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T22S R11W ¼ S29/S32 1959
	Deposit original cor. N. of iron post.
	S. 89° 05' W., beginning new measurement.
	Desc. 15 ft. over gentle NW. slope.
14.20	Small wash, drains NW.; desc. 25 ft. over NW. slope.

Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
25.80	Shoreline of Sevier Lake bed, bears NE. and SW. irregularly; leave vegetation.
40.15	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling NW. slope, and level lake bed. Soil, sand, clay and alkali on lake bed. Timber, none.

From the cor. of secs. 1, 2, 11 and 12.

West, bet. secs. 2 and 11.

Over rolling desert land, covered with shadscale and bunch grass; desc. 35 ft. over gentle NW. slope.

14.90	Small wash, drains NW.; desc. 30 ft. over gentle NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11, at record dist.

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.

T22S R11W
¼ S 2 / S11
1959

West, beginning new measurement, with original survey.

Desc. 10 ft. over gentle NW. slope.

14.40	Small wash, drains NW.; desc. 35 ft. over gentle NW. slope.
30.00	Shoreline of Sevier Lake bed, bears NE. and SW.; leave vegetation; cont. over level lake bed.
40.00	Point for the cor. of secs. 2, 3, 10 and 11.

Set a creosote treated wooden post 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S11 on SE. face, S10 on SW. face, S3 on NW. face, and S2 on NE. face.

Deposit glass around post.

Land, rolling NW. slope and level lake bed.
Soil, sand, clay and alkali on lake bed.
Timber, none.

North, bet. secs. 2 and 3.

Over level land of Sevier Lake bed.

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

Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S2 on E. face, and S3 on W. face.

Deposit glass around post.

Cont. over level lake bed.

81.28	Intersect the S. bdy. of T. 21 S., R. 11 W.

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Dependent Resurvey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	Point for the closing cor. of secs. 2 and 3.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S2 on SE. face, and S3 CC on SW. face.
	From this cor. the cor. of secs. 34 and 35, T. 21 S., R. 11 W., bears W. .64 chs. dist., a wooden post, set, mkd. and witnessed as described in the field notes of T. 21 S., R. 11 W.
	Land, level lake bed. Soil, clay and alkali. Vegetation, none.
	Survey of a Portion of the Subdivision of T. 22 S., R. 11 W.
	From the cor. of secs. 35 and 36, on the S. bdy.
	North, bet. secs. 35 and 36.
	Over rolling desert land, covered with shadscale and sage; desc. 5 ft. over gentle N. slope.
2.60	Wash, 25 lks. wide, 3 ft. deep, drains NW.; asc. gentle SW. slope.
11.80	Unimproved road, bears NW. and SE.; asc. gentle SW. slope.
22.10	Wash, 10 lks. wide, 3 ft. deep, drains NW.; asc. 50 ft. over SW. slope.
41.72	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, and in a mound of stone 2½ ft. base, to top, with brass cap mkd. T22S R11W ¼ S35 | S36 1959
	Cont. along W. slope.
43.20	Small wash, drains W.; cont. along W. slope.
48.60	Base of hills, bears E. and W.; asc. 470 ft. over S. slope.
66.00	Top of high spur, slopes W.; desc. 260 ft. over N. slope.
81.72	Point for the cor. of secs. 25, 26, 35 and 36, at a position intersecting a sectional correction line extending W. from the cor. of secs. 25 and 36 on the E. bdy.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock and in a mound of stone 3 ft. base to top, with brass cap mkd. T22S R11W S26 | S25 S35 | S36 1959
	Land, rolling and broken. Soil, gravel and rocks. Timber, none.

Survey Portion of Subdivision T. 22 S. R. 11 W.

Chains	
	From the cor. of secs. 25 and 36, on the E. bdy.
	West, bet. secs. 25 and 36, with sectional correction line.
	Over mountainous desert land, covered with shadscale and sage; desc. 170 ft. over W. slope.
32.20	Wash, drains S., also unimproved road; asc. 45 ft. over E. slope.
39.40	Point for the ¼ sec. cor. of secs. 25 and 36.
	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. T22S R11W ¼ S25/S36 1959
	Asc. 90 ft. over E. slope.
48.90	Base of steep ascent, bears S. and NE.; asc. 550 ft. over steep E. slope.
68.40	Top of ridge, bears SW. and NE. irregularly; desc. 555 ft. over NW. slope.
79.40	The cor. of secs. 25, 26, 35 and 36.
	Land, mountainous desert. Soil, gravel and rocks. Timber, none.

	From the cor. of secs. 15, 16, 21 and 22.
	North, bet. secs. 15 and 16.
	Over rolling desert land, covered with shadscale and bunch grass; desc. 25 ft. over gentle NW. slope.
28.00	Shoreline of Sevier Lake bed, bears NE. and SW. irregularly; leave vegetation.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S16 on W. face, and S15 on the E. face.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set a creosote treated wooden post, 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S9 on NW. face, S10 on NE. face, S15 on SE. face, and S16 on SW. face.
	Land, rolling NW. slope and level lake bed. Soil, sand on slope, clay and alkali on lake bed. Timber, none.

Survey, Portion of Subdivision, T. 22 S., R. 11 W.

Chains	
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. 16 and 21.
	Over rolling desert land, covered with shadscale and bunch grass; desc. 5 ft. over gentle NW. slope.
10.40	Wash, 20 lks. wide, 4 ft. deep, drains NW.; desc. 10 ft. over NW. slope.
32.70	Shoreline of Sevier Lake bed, bears NE. and SW.; leave vegetation; thence across level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set a creosote treated wooden post, 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S16 on N. face, and S21 on S. face.
	Cont. across level lake bed.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S16 on NE. face, S17 on NW. face, S21 on SE. face, and S20 on SW. face.
	Land, rolling NW. slope and level lake bed. Soil, sand on slopes and clay alkali on lake bed. Timber, none.
	N. 0° 01' W., bet. secs. 16 and 17.
	Over muddy Sevier Lake Bed, by triangulation.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17 falls in inaccessible mud and was not monumented; cont. across lake bed by triangulation.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S16 on SE. face, S17 on SW. face, S8 on NW. face and S9 on NE. face.
	Deposit glass around post.
	Land, level lake bed. Soil, muddy clay alkali. Vegetation, none.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Over muddy Sevier Lake bed, by triangulation.
40.00	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R11W S9 on N. face, and S16 on S. face.
	Deposit glass around post.
	Cont. across muddy lake bed, by triangulation.

Survey. Portion of Subdivis[illegible] T. 22 S. R. 11 W.

Chains	
80.00	The cor. of secs. 8, 9, 16 and 17.
	Land, level lake bed.
	Soil, muddy clay alkali.
	Vegetation, none.

General Description

T. 22 S., R. 11 W. is divided by the east shoreline of Sevier Lake bed, which meanders northeast from the southwest corner of the township to a point near the ¼ section corner of sections 2 and 35 on the north boundary of the township. The west portion is muddy lake bed, and the east portion is rolling desert land draining generally west to the lake bed. A few spurs of the Cricket Mountains extend into the southeast portion of the township.

An unimproved road enters the township on the south boundary of section 36, meanders northward and leaves the township on the east boundary of section 12. A few trailroads branch off this road leading to winter sheep camps and feed grounds. Mud prevents travel by vehicle on the lake bed.

The vegetation consists of shadscale, cheat grass and bunch grass, with greasewood near the lake shore. No vegetation grows on the lake bed.

The soil is clay and sand on the bottom land near the lake shore, and clay with gravel and large boulders on the higher slopes of the east portion of the township. Muddy clay mixed with alkali covers the lake bed.

The elevation varies from 4,519 feet above sea level on the lake bed, to about 6,050 on top of the spurs in the southeast portion of the township.

No permanent water was noted during the progress of the survey.

U. S. GOVERNMENT PRINTING OFFICE 16—28520-2

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dee Von Thompson	Transit (Principal Assistant)
Jerold Knight	Notes
Orrin Jorgensen	Chainman
Merril Maxfield	Flagman
Gary Oviatt	Cornerman

16—53505-2

47[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 1959 I have ~~surveyed~~ supervised the survey and dependent resurvey of the south boundary; dependent resurvey of the east boundary; and dependent resurvey and survey of a portion of the subdivision of T. 22 S., R. 11 W.

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~~ under my supervision; 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 20, 1960

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., [illegible], *19*

The foregoing field notes of the survey ~~of~~ and dependent resurvey of the south boundary; dependent resurvey of the east boundary; and dependent resurvey and survey of a portion of the subdivision of T. 22 S., R. 11 W.

executed by Craig P. Sylvester, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

SURVEY

OF A PORTION OF THE EAST BOUNDARY

SURVEY AND INDEPENDENT RESURVEY

OF A PORTION OF THE SOUTH BOUNDARY

AND SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 22 SOUTH, RANGE 12 WEST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Vern E. Lane, Cadastral Surveyor (Chief of Party)

Alburn D. Griffin, Cadastral Surveyor

nder special instructions dated April 27, *19*59, *which provided*

r the surveys included under Group No. 411, *approved* April 27, 1959

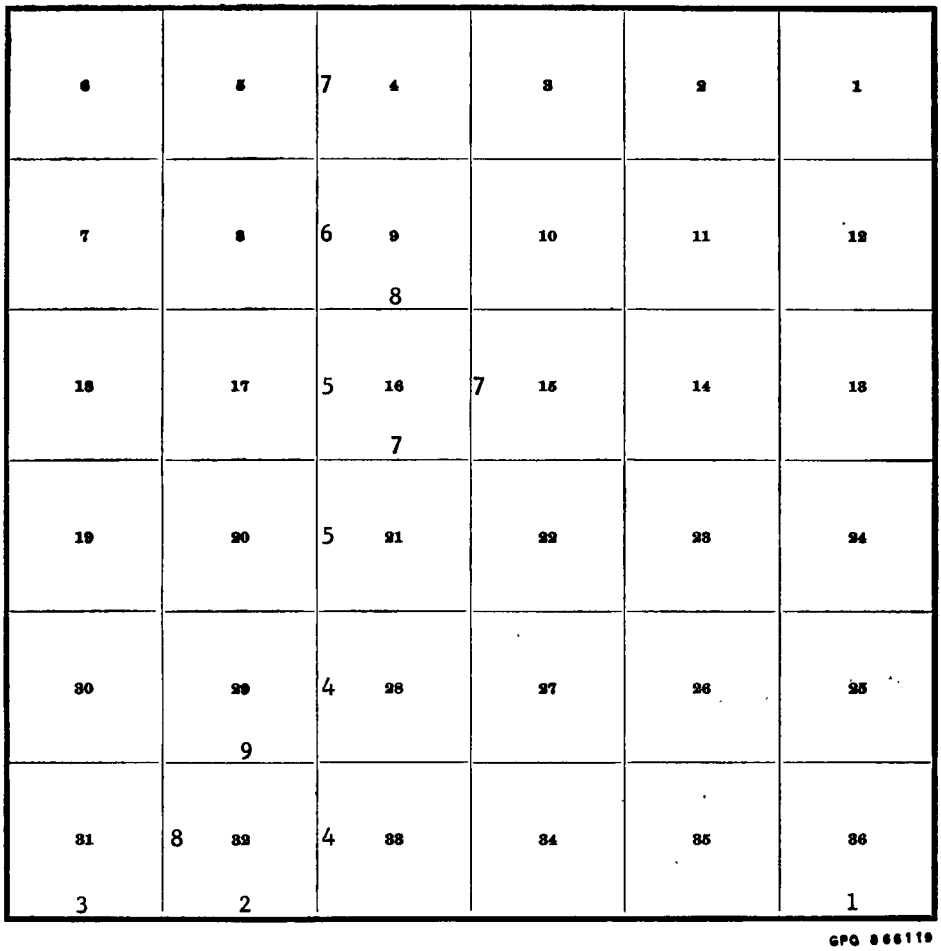
nd assignment instructions dated April 30, *1959*

Survey commenced June 7, *19* 59

Survey completed August 16, *19* 59

INDEX DIAGRAM

Township 22 South, *Range* 12 West



GPO 866119

Township 22 South, Range 12 West

Chains

The west boundary was surveyed by A. J. Stewart Jr. in 1882, and independently resurveyed by W. W. Bandy in 1925. A portion of the south boundary was surveyed by A. J. Stewart Jr. in 1882. A portion of the north boundary was surveyed by A. J. Stewart Jr. in 1882, and independently resurveyed concurrently and shows in the field notes of T. 21 S., R. 12 W.

The following field notes are those of a survey and independent resurvey of a portion of the south boundary, a survey of a portion of the east boundary and portion of the subdivision of T. 22 S., R. 12 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

The survey was executed with a W. and L. E. Gurley Solar Transit No. 541330 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 50' 55.4" N. and longitude 113° 08' 23.02" W. as adjusted from traverses to U. S. G. S. triangulation stations within the area.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16° 30' E.

Survey of the South Boundary of T. 22 S., R. 12 W.

From the cor. of Tps. 22 and 23 S., R. 12 W., a wooden post, set, mkd. and witnessed as described in the field notes of T. 23 S., R. 12 W.

Survey S. Bdy. T. 22 S. R. 12 W

Chains	
	West, bet. secs. 1 and 36.
	Over level land of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ S36 on N. face, and T23S S1 on S. face.
	Deposit glass around post.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S35 on NW. face, S36 on NE. face, T23S S2 on SW. face, and S1 on SE. face.
	Deposit glass around post.
	Land, level lake bed. Soil, clay and alkali mud. Vegetation, none. Timber, none.
	Thence W. by triangulation across muddy and inaccessible Sevier Lake bed, 240.00 chs. dist.
240.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S32 on the NW. face, S33 on NE. face, T23S S5 on SW. face, and S4 on SE. face.
	Deposit glass around post.
	Land, level lake bed. Soil, clay and alkali mud. Vegetation, none. Timber, none.
	Independent Resurvey of the South Boundary of T. 22 S., R. 12 W.
	Superseding the survey executed by A. J. Stewart Jr. in 1882. No evidence of the original corners was found along this boundary. West, bet. secs. 5 and 32. Over level land of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ S32 on N. face, and T23S S5 on S. face.
	Deposit glass around post.
79.00	W. shoreline of Sevier Lake bed, bears N. and SE. irregularly; asc. gentle E. slope.

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Chains	
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. T22S R12W S31 | S32 S 6 | S 5 T23S 1959 Raise a mound of stone N. of iron post. Land, level lake bed. Soil, clay and alkali. Vegetation, none. Timber, none.
	West, bet. secs. 6 and 31. Over rolling desert land; asc. 30 ft. over gentle E. slope on W. side of Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31. 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. T22S R12W ¼ S31 S 6 T23S 1959 Asc. 40 ft. over gentle E. slope.
74.58	The cor. of Tps. 22 and 23 S., Rgs. 12 and 13 W., an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record. Land, rolling E. slope. Soil, clay and sand. Timber, none. Vegetation, none.
	Survey of the East Boundary of T. 22 S., R. 12 W.
	From the cor. of Tps. 22 and 23 S., R. 12 W., a wooden post, 4x4 ins., set, mkd. and witnessed as described in the field notes of T. 23 S., R. 12 W. North, along the E. bdy. of sec. 36. Over level land of Sevier Lake bed.
6.78	The closing cor. of Tps. 22 and 23 S., R. 11 W., a wooden post, 4x4 ins., set, mkd. and witnessed as described in the field notes of T. 22 S., R. 11 W.
9.60	Base of point extending west about 20.00 chs. into lake bed; asc. 20 ft. over S. slope of point.
19.70	Crest of point, bears W.; desc. 20 ft. over N. slope of point.
31.70	Base of point, bears W. curves NE.; thence over muddy lake bed.
40.00	Point for the ¼ sec. cor. of sec. 36, T. 22 S., R. 12 W. only.

Survey E. Bdy. T. 22 S. R. 12 W.

Chains	
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ S36 on W. face.
	Deposit glass around post.
	Cont. across muddy lake bed.
80.00	Point for the cor. of secs. 25 and 36, T. 22 S., R. 12 W. only.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S25 on NW. face, and S36 on SW. face.
	Deposit glass around post.
	Land, level lake bed except for point extending into lake bed. Soil, muddy clay alkali on lake bed, sand on point. Vegetation, none. Timber, none.
	Thence north, across muddy and inaccessible lake bed, 400.19 chs.dist.
400.19	Point for the cor. of Tps. 21 and 22 S., R. 12 W. at a position E. of the cor. of Tps. 21 and 22 S., Rs. 12 and 13 W.; not monumented.
	Land, level lake bed. Soil, muddy clay alkali. Vegetation, none. Timber, none.
	Survey of a Portion of the Subdivision of T. 22 S., R. 12 W.
	From the cor. of secs. 4, 5, 32 and 33 on the S. bdy.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over level lake bed of Sevier Lake.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ on N. face, S32 on W. face and S33 on E. face.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S28 on NE. face, S29 on NW. face, S32 on SW. face and S33 on SE. face.
	Deposit broken glass on ground around wooden post.
	Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 28 and 29.
	Over level lake bed.

U. S. GOVERNMENT PRINTING OFFICE 16—38820-2

Survey, Portion of Subdivision, T. 22 S., R. 12 W.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 28 and 29.
	Set a creosote treated wooden post, 4x4 ins. 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ on N. face, S28 on E. face, and S29 on W. face.
	Deposit broken glass on ground around wooden post.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 20, 21, 28 and 29.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S21 on NE. face, S20 on NW. face, S29 on SW. face and S28 on SE. face.
	Deposit broken glass on the ground around wooden post.
	Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 20 and 21.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 20 and 21.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ on N. face, S21 on E. face and S20 on W. face.
	Deposit broken glass on ground around wooden post.
	Cont. over level lake bed.
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. T22S R12W S17 | S16 S20 | S21 1959
	Deposit charcoal at base of iron post.
	Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over nearly level land.
24.00	Leave lake bottom; shore line bears NE. and SW.
39.50	Small wash, drains E.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.

Survey Portion of Subdivision. T. 22 S. R. 12 W.

Chains	
	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. T22S R12W ¼ S17 | S16 1959 Asc. gentle SE. slope.
45.80	Small wash, drains E.
61.30	Wash, 2 ft. deep, 20 lks. wide, drains E.; asc. over SE. slope, 10 ft.
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 collar of stone with brass cap mkd. T22S R12W S 8 | S 9 S17 | S16 1959 Land, slightly rolling. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 8 and 9. Asc. gentle S. slope, 30 ft.
40.00	Point for the ¼ sec. cor. of secs. 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T22S R12W ¼ S 8 | S 9 1959 From this cor. U. S. C. & G. S. triangulation station Sevier Lake bears N.44° 25' E., 24.01 chs. dist. The geographic position of this station is latitude 38° 55' 01.318" N., longitude 113° 12' 35.546" W. Asc. S. slope, 10 ft.
40.70	Bench, bears, E. and W.; desc. N. slope, 20 ft.
48.60	Wash, 3 ft. deep, 20 lks. wide, drains NW.; desc. N. slope, 20 ft.
60.40	Unimproved road, bears E. and W.; desc. N. slope, 20 ft.
80.00	Point for the cor. of secs. 4, 5, 8 and 9. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd. T22S R12W S 5 | S 4 S 8 | S 9 1959 Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.

U. S. GOVERNMENT PRINTING OFFICE 16—26590-2

Chains	
	Land, rolling. Soil, clay and alkali. Timber, none. Vegetation, none.
	N. 0° 03' W., bet. secs. 4 and 5.
	Over gently rolling desert land covered with shadscale; desc. N. slope, 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 4 and 5.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground with brass cap mkd. T22S R12W ¼ S 5 | S 4 1959
	Deposit charcoal at base of iron post.
	Desc. N. slope, 20 ft.
80.19	The cor. of secs. 4, 5, 32 and 33.
	Land, low, rolling desert. Soil, clay and alkali. Timber, none. Vegetation, none.
	From the cor. of secs. 16, 17, 20 and 21.
	East, bet. secs. 16 and 21.
	Over level Sevier Lake bed.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ S16 on N. face, S21 on S. face.
	Deposit broken glass on ground around wooden post; cont. over level lake bed.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set a creosote treated wooden post, 4x4 ins., 4½ ins. long, 24 ins. in the ground, scribed with T22S R12W S15 on NE. face, S16 on NW. face, S21 on SW. face and S22 on SE. face.
	Deposit broken glass on ground around wooden post.
	Land, level. Soil, clay, alkali. Timber, none. Vegetation, none.
	N. 0° 02' W., bet. secs. 15 and 16.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.

Survey, Portion of Subdivision, T. 22 S. R. 12 W.

Chains	
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ on N. face, S15 on E. face and S16 on W. face.
	Deposit broken glass on ground around wooden post.
68.00	Leave Sevier Lake bed; asc. gentle SE. slope, 40 ft.
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.

T22S R12W
S 9 | S10
S16 | S15
1959

	Raise a mound of stone, 2½ ft. base, 20 ins. high, W. of cor.
	Land, level to low, rolling. Soil, clay and alkali. Timber, none. Vegetation, none.

	S. 89° 59' W., bet. secs. 9 and 16. Over nearly level desert land covered with shadscale.
40.02	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.

T22S R12W
¼ S 9
S16
1959

	Deposit charcoal at base of iron post.
	Desc. gentle W. slope, 20 ft.
80.04	The cor. of secs. 8, 9, 16 and 17.
	Land, low, rolling desert. Soil, clay and alkali. Timber, none. Undergrowth, shadscale.

	From the cor. of secs. 5, 6, 31 and 32 on the S. bdy.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over level lake bed.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W ¼ on N. face, S32 on E. face and S31 on W. face.
	Deposit fragments of glass around wooden post.
	Cont. over level lake bed.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.

U. S. GOVERNMENT PRINTING OFFICE 16—88880-2

Survey, Portion of Subdivision, T. 22 S., R. 12 W.

Chains	
	Set a creosote treated wooden post, 4x4 ins., 4½ ft. long, 24 ins. in the ground, scribed with T22S R12W S29 on NE. face, S30 on NW. face, S31 on SW. face and S32 on SE. face. Deposit fragments of glass around wooden post. Land, level. Soil, clay and alkali. Vegetation, none. Timber, none.
	From the cor. of secs. 28, 29, 32 and 33. West, bet. secs. 29 and 32. Over level lake bed.
40.00	Point for the ¼ sec. cor. 29 and 32. Set a creosote treated wooden post, scribed with T22S R12W ¼ S29 on N. face and S32 on S. face. Deposit fragments of glass around wooden post. Cont. over level lake bed.
80.00	The cor. of secs. 29, 30, 31 and 32. Land, level. Soil, clay and alkali. Timber, none. Vegetation, none.

General Description

A strip of land about two miles wide on the west portion of T. 22 S., R. 12 W. consists of rolling desert land draining generally east into Sevier Lake bed. The remainder of the township is covered by muddy and inaccessible lake bed. The west shoreline of this lake bed bears irregularly north and south through the township. There are numerous small points of land extending east into the lake bed from the shore line. The most prominent point, about two miles wide and extending east about one mile, is located in the extreme north portion of the township.

The vegetation of the township consists of shadscale, bunch grass and greasewood on the west portion. No vegetation grows on the lake bed.

There are a few trail roads on the west portion of the township. Mud prevents travel on the lake bed.

The soil is clay and sand with gravel spots on the west portion. Muddy clay mixed with alkali covers the lake bed.

The elevation varies from about 4519 feet to 4650 feet above sea level.

No permanent water was noted during the survey.

Chains

U. S. GOVERNMENT PRINTING OFFICE 16—26480-2

4-680
Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Lynn S. Griffin	Notekeeper
Morris Blackburn	Chainman
Larry Schlappi	Flagman
Jeddie J. Judd	Cornerman

16—54965-2

430

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 1959 I have ~~surveyed~~ supervised the survey of a portion of the east boundary, survey and independent resurvey of a portion of the south boundary, and survey of a portion of the subdivision of T. 22 S., R. 12 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been ~~accepted by me and under my direction~~ under my supervision; 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 24, 1960

Vern E. Lane
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., ..., *19*....

The foregoing field notes of the survey of a portion of the east boundary, survey and independent resurvey of a portion of the south boundary, and survey of a portion of the subdivision of T. 22 S., R. 12 W., Salt Lake Meridian, Utah

executed by Alburn D. Griffin, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor 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—53605-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

DEPENDENT RESURVEY AND SURVEY

OF THE SOUTH BOUNDARY

RETRACEMENT OF A PORTION OF THE EAST BOUNDARY

INDEPENDENT RESURVEY

OF A PORTION OF THE SUBDIVISION

AND THE SURVEY

OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP [illegible] SOUTH, RANGE [illegible] WEST

Of the [illegible] *the State of* [illegible]

EXECUTED BY

[illegible] E. Lane, Cadastral Surveyor, [illegible]

Alburn D. Griffin, Cadastral Surveyor

nder special instructions dated April [illegible] , [illegible] , *which provided*

r the surveys included under Group No [illegible] , *approved* April [illegible], 1959

nd assignment instructions dated April 30 , 19[illegible]

Survey commenced May 11 , 1959

Survey completed July 22 , 1959

INDEX DIAGRAM

Township 23 South, *Range* 10 West

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31 5	17 32 5	16 33 4	8 34 3	35 3	7 36 2

6

16—56770-1

Township 23 South, Range 10 West

Chains

The east boundary was surveyed by J. Bausman in 1870 and independently resurveyed by R. Gentry in 1925, and is described in the field notes of T. 23 S., R. 9 W. A portion of the south boundary was surveyed by J. Bausman in 1870. The north and west boundaries were surveyed concurrently and are described in the field notes of T. 22 S., R. 10 W. and T. 23 S., R. 11 W. The south ½ mile between sections 35 and 36 was surveyed by J. Bausman in 1870.

The following field notes are those of a dependent resurvey and survey of the south boundary; retracement of a portion of the east boundary; independent resurvey of a portion of the subdivision; and the survey of a portion of the subdivision of T. 23 S., R. 10 W., deemed sufficient to facilitate the development of the natural resources and mark the boundaries of those sections that are normally considered state school sections.

Before restoring corners, the lines of the original survey were retraced and diligent search made for any evidence of the original corners. The rules of record course and distance were applied to ascertain the position of the lost corners after every reasonable possibility of finding direct evidence of the corners had been exhausted.

The survey was executed with W. and L. E. Gurley solar transit No. 541330 constructed in accordance with the standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition prior to the beginning of the survey and was maintained in proper adjustment throughout the progress of this survey.

Corners on 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 herein contained were made with a narrow steel tape, 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested by comparison with a 1 chain standard steel tape and found to be correct. Measurements were made on the slope with the vertical angle of each interval ascertained by a clinometer in good adjustment; horizontal equivalents alone are entered in the field notes. All lines of this survey were run by direct method where the lines were accessible; lines inaccessible were run by traverse or triangulation methods. Distances to topography on lines run by traverse or triangulation are approximately as scaled from U. S. G. S. Topographic sheets where available. The details of such traverses or triangulations have been thoroughly checked and verified, and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The direction of the lines of this survey were determined by reference to true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward by sustained angulation being supplemented by other numerous altitude observations on the sun taken throughout the progress of the survey.

The geographic position for the southeast corner of the township is at latitude 38° 45' 44.38" N. and longitude 112° 54' 54.30" W. as adjusted from traverses to U. S. G. S. triangulation station. Standard G.L.O. brass cap stamped T25S R11-12W $\frac{S36|S31}{S\ 1}$ 1911.

The magnetic declination was read at a number of stations throughout the township and the average of these readings was found to be 16°30' East.

De endent Resurvey, S. Bdy., T. 23 S., R. 10 W.

Chains	Dependent Resurvey of the South Boundary of T. 23 S., R. 10 W.
	Reestablishing the survey executed by J. Bausman in 1870.
	From the cor. of Tps. 23 and 24 S., Rs. 9 and 10 W., a 3 in. iron post, set, mkd. and witnessed as described in the official record.
	West, bet. secs. 1 and 36.
	Over rolling land covered with medium growth of greasewood and sage.
	Asc. 30 ft. over NE. slope.
5.30	Wash, flat bed, 30 lks. wide, drains N.; asc. 140 ft. over NE. slope.
19.80	Top of ascent, flat top bench.
26.50	Desc. 70 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36, at record dist.; there is no remaining evidence of original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd. T23S R10W ¼ S36 / S 1 T24S 1959
	Desc. 20 ft. over NW. slope.
43.70	Beaver River, 12 ft. deep, 20 lks. wide, drains N. 60° E., dry at time of survey; desc. 30 ft. over NW. slope.
75.50	Fence, barbed 6 strand, bears N. 53° 48' E.
75.60	Telephone line, bears S. 53° 40' W., N. 53° 40' E.
78.90	Railroad tracks, bears N. 53° 48' E.
80.00	Point for the cor. of secs. 1, 2, 35 and 36 at record dist.; there is no remaining evidence of original cor.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T23S R10W S35 | S36 S 2 | S 1 T24S 1959
	Raise a mound of stone, 3 ft. base, 20 ins. high, N. of cor.
	Land, rolling. Soil, sandy loam mixed with lava stone. Timber, none.

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Dependent Resurvey, S. Bdy., T. 23 S., R. 10 W.

Chains	
	West, bet. secs. 2 and 35.
	Over rolling land, draining SE.
1.00	Fence, 6 strand barbed, bears N. 53° 48' E.
	Asc. 30 ft.
2.09	Telegraph line, bears S. 53° 40' W., N. 53° 40' E.; asc. 30 ft. over E. slope.
25.30	Surfaced road, bears N. 40° E.; asc. 30 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35, at record dist.; there is no remaining evidence of original cor.
	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.
	T23S R10W ¼ S35/S 2 T24S 1959
	Thence West, along S. bdy. of sec. 35 with original survey, and cors. established for T. 23 S., R. 10 W., only. Continuous measurement.
	Asc. 40 ft. over E. slope.
51.70	Spur, slopes SE.; desc. 20 ft. over W. slope.
55.80	Wash, 2 ft. deep, 10 lks. wide, drains S. 20° E.; asc. 30 ft. over E. slope.
63.00	Wash, 3 ft. deep, 10 lks. wide, drains S. 30° E.; asc. 150 ft. over E. slope.
79.70	Spur, slopes SE.
80.00	Point for the cor. of secs. 34 and 35, T. 23 S., R. 10 W. only
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T23S R10W S34|S35 1959
	Raise a mound of stone, 3 ft. base, 20 ins. high, N. of cor.
	Land, rolling. Soil, sandy loam. Timber, none.
	West, along the south boundary of section 34.
	Over sharply rolling land, draining S.
	Desc. 60 ft. over SW. slope.
7.10	Small wash, drains S.; asc. 80 ft. over E. slope.
19.30	Spur, slopes S.; desc. 60 ft. over W. slope.
26.50	Wash in bottom of draw, drains S.; asc. 50 ft. over E. slope.

Survey, S. Bd., T. 23 S. R. 10 W.

Chains	
40.00	Point for the ¼ sec. cor. of sec. 34, T. 23 S., R. 10 W., only.
	An iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.
	T23S R10W ¼ S34 1959
	Asc. 60 ft. over E. slope.
61.50	Toe of spur, slopes S.; desc. 30 ft. over W. slope.
78.10	Draw, drains S.; asc. 10 ft. over E. slope.
80.00	Point for the cor. of secs. 33 and 34, T. 23 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T23S R10W S33 | S34 1959
	Raise a mound of stone, 3 ft. base, 24 ins. high, N. of cor.
	Land, rolling. Soil, gravelly. Timber, none.
	West, along S. bdy. of sec. 33.
	Over rolling land, draining SE.
	Asc. 10 ft. over E. slope.
5.80	Small wash, drains SE.; asc. 40 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of sec. 33, T. 23 S., R. 10 W. only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T23S R10W ¼ S33 1959
	Raise a mound of stone, 3 ft. base, 20 ins. high, N. of cor.
40.80	Bladed road, bears S. 30° W. and N. 30° E.; asc. 60 ft. over E. slope
46.00	Spur, slopes S.; desc. 10 ft. over W. slope.
49.80	Small wash, drains S.; asc. 40 ft. over E. slope.
57.10	Spur, slopes SW.; desc. 90 ft. over broken ledges, slopes W.
63.10	Small wash, drains SW.; desc. 10 ft. over W. slope.
71.20	Wash, 2 ft. deep, 20 lks. wide, drains S.
76.10	Bladed road, bears S. and N.; asc. 10 ft. over E. slope.
80.00	Point for the cor. of secs. 32 and 33, T. 23 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

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Survey, S. Bdy., T. 23 S., R. 10 W.

Chains	
	T23S R10W S32|S33 1959
	Raise a mound of stone, 3 ft. base, 24 ins. high, N. of cor.
	Land, rolling. Soil, sandy loam. Timber, none.
	West, along the S. bdy. of sec. 32.
	Over gently rolling land.
19.70	Unimproved road, bears NW.; desc. 10 ft. over gentle SW. slope.
40.00	Point for the cor. of sec. 32, T. 23 S., R. 10 W., only.
	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.
	T23S R10W ¼ S32 1959
40.10	Wash, 3 ft. deep, 10 lks. wide, drains S. 20° W.
43.30	Wash, 2 ft. deep, 10 lks. wide, drains S. 20° W.
67.80	Small wash, drains S.
75.20	Unimproved road, bears S. 40° W.
80.00	Point for the cor. of secs. 31 and 32, T. 23 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T23S R10W S31|S32 1959
	Raise a mound of stone, 3 ft. base, 20 ins. high, N. of cor.
	Land, gently rolling. Soil, sandy loam. Timber, none.
	West, along S. bdy. of sec. 31.
	Over gently rolling land, covered with low sage and greasewood.
	Asc. 10 ft. over gentle SE. slope.
20.10	Small wash, drains S. 10° W.; asc. 10 ft. over SE. slope.
30.80	Wash, 2 ft. deep, 10 lks. wide, drains S.; asc. 10 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of sec. 31, T. 23 S., R. 10 W., only.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone 4 ft. base, to top, with brass cap mkd.

Survey S. Bd. T. 23 S. R. 10 W.

Chains	
	T23S R10W ¼ S31 1959
	Asc. 120 ft. over E. slope.
54.70	Spur, slopes N. 25° W.; desc. 180 ft. over sharp W. slope.
83.70	The cor. of Tps. 23 and 24 S., Rs. 10 and 11 W.
	Land, rolling. Soil, gravelly. Timber, none.
	Retracement of a Portion of the East Boundary of T. 23 S., R. 10 W.
	Retracement of the survey of the E. bdy. of sec. 36, executed in 1925 by Ralph Gentry. From the cor. of Tps. 23 and 24 S., Rs. 9 and 10 W., mkd. by an iron post, 3 ins. diam., set in a collar of stone, with brass cap mkd.
	T23S R10W R9W S36 | S31 S 1 | S 6 T24S 1925
	N. 0° 08' W., bet. secs. 31 and 36.
	Over rolling desert land, covered with shadscale and sagebrush; desc. gentle W. slope.
22.40	Beaver River, 30 lks. wide, 4 ft. deep, drains NE.; dry at time of survey; asc. 15 ft. along gentle SE. slope.
40.04	The ¼ sec. cor. of secs. 31 and 36, mkd. by an iron post, 1 in. diam. set in a collar of stone, with brass cap mkd.
	¼ S36 | S31 1925
	Asc. 20 ft. over SE. slope.
47.70	Bladed road, bears E. and SW.; asc. W. slope.
51.40	Fence, 5 strand barbed, bears S. 53° 40' W., N. 53° 40' E.
51.50	Telephone line, bears S. 53° 40' W., N. 53° 40' E.
53.70	Railroad, Union Pacific main line, bears S. 53° 40' W., N. 53° 40' E.
54.60	Fence, 5 strand barbed, bears S. 53° 40' W., N. 53° 40' E.
55.30	Telegraph line, bears S. 53° 40' W., N. 53° 40' E.; asc. along gentle E. slope.
80.04	The cor. of secs. 25, 30, 31 and 36, mkd. by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
	Land, rolling. Soil, clay loam, gravel spots. Timber, none.

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Independent Resurvey
of a Portion of Subdivision, T. 23 S., R. 10 W.

Chains	Independent Resurvey of a Portion of the Subdivision on T. 23 S., R. 10 W.
	Superseding the survey executed by J. Bausman in 1870. From the cor. of secs. 1, 2, 35 and 36 on the S. bdy.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over rolling land, draining SE.
.65	Fence, barbed 6 strand, bears S. 33° 12' W.
2.55	Telegraph line, bears S. 53° 43' W., N. 53° 43' E.; asc. 60 ft. over SW. slope.
22.80	South rim of flat top bench; asc. 20 ft. over gentle S. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36, at record dist. No evidence of the original cor. was found. Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd. T23S R10W ¼ S35 | S36 1959
	Thence with original survey and continuous measurement.
41.50	Road, surfaced, bears N. 20° E. and S. 20° W.; desc. 30 ft. over NE. slope.
47.10	Wash, 3 ft. deep, 50 lks. wide, drains S. 80° E.; asc. S. slope.
72.10	Spur, slopes SE.; desc. 10 ft. over NE. 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. T23S R10W S26 | S25 S35 | S36 1959
	Raise a mound of stone, 3½ ft. base, 20 ins. high, W. of cor.
	Land, rolling. Soil, gravelly. Timber, none.
	From the cor. of secs. 25, 30, 31 and 36 on the E. bdy., a 3 in. iron post, set, mkd. and witnessed as described in the official record of the independent resurvey in 1925.
	S. 89° 57' W., bet. secs. 25 and 36.
	Asc. 30 ft. along SE. slope.
10.00	Spur, slopes SE.; desc. 30 ft. over SW. slope.
19.80	Wash, 3 ft. deep, 10 lks. wide, drains S.; asc. 20 ft. over E. slope.
39.96	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.

Surv Portion of Subdivision, T. 23 S. R. 10 W.

Chains	
	T23S R10W ¼ S25 S36 1959
	Desc. 20 ft. over gentle W. slope.
48.00	Wash, 2 ft. deep, 20 lks. wide, drains S. 80° E.; asc. 10 ft. over E. slope.
49.50	Surfaced road, bears N. 10° E. and S. 10° W.; asc. 60 ft. over E.slop
79.92	The cor. of secs. 25, 26, 35 and 36.
	Land, rolling. Soil, gravelly. Timber, none.
	From the cor. of secs. 33 and 34 on the S. bdy.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over sharply rolling land.
	Asc. 170 ft. over S. slope.
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 bedrock and in a mound of stone, 3 ft. base to cap, with brass cap mkd.
	T23S R10W ¼ S33 | S34 1959
	Cont. ascent; asc. 10 ft. over S. slope.
42.50	Spur, slopes SE.; desc. 60 ft. over N. slope.
57.40	Unimproved road, bears E., in bottom of draw, draining E.; asc. 50 ft over S. slope.
70.00	Spur, slopes SE.; desc. 30 ft. over NE. slope.
77.90	Wash, 2 ft. deep, 10 lks. wide, drains SE.; asc. 10 ft. over S. slope
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
	T23S R10W S28 | S27 S33 | S34 1959
	Land, sharply rolling. Soil, shallow, gravelly. Timber, none.

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Survey, Portion of Subdivision, T. 23 S., R. 10 W.

Chains	
	N. 0° 02' W., bet. secs. 27 and 28.
	Over sharply rolling land covered with sage and shadscale.
	Asc. 120 ft. over S. slope.
13.80	Spur, slopes S. 20° E.; desc. 20 ft. over N. slope.
20.00	Wash, 2 ft. deep, 20 lks. wide, drains SE.; asc. 30 ft. over SE.slope.
34.70	Spur, projects SW.; desc. 10 ft. over NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 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.
	T23S R10W ¼ S28 | S27 1959
	Asc. 180 ft. along SW. slope.
50.00	Slope changes to S. slope; cont. along S. slope; asc. 120 ft.
63.40	Spur, slopes S. 80° W.; asc. 50 ft. across steep W. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
	T23S R10W S21 | S22 S28 | S27 1959
	Cor. falls at base of ledge, 6 ft. high, bears N. 20° W. and S.
	Land, broken. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Asc. along broken W. slope, 20 ft.
10.90	Top of spur, projects N. 85° W.; desc. 360 ft. over steep N. slope.
36.00	Unimproved road, bears NW. and E.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	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.
	T23S R10W ¼ S21 | S22 1959
	Desc. gentle N. slope, 40 ft.
46.40	Wash, 6 lks. wide, 3 ft. deep, drains SE.; asc. 300 ft. over steep S. slope.

Survey, Portion of Subdivision, T. 23 S., R. 10 W.

63.30	Spur, slopes NE.; desc. 100 ft. over NW. slope.
72.35	Slope changes E.; desc. 40 ft.
80.00	Point for the sec. cor. of secs. 16, 15, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
	T23S R10W S16 | S15 S21 | S22 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 15 and 16.
	Asc. 150 ft. over steep S. slope.
6.20	Spur, slopes E.; desc. 130 ft. over N. slope.
16.50	Wash, 2 ft. deep, 30 ft. wide, drains E.; asc. 120 ft. over steep S. slope.
24.10	Spur, slopes E.; desc. 120 ft. over broken N. slope.
31.20	Wash, drains E.; asc. 20 ft. over S. slope.
37.10	Spur, slopes E.; desc. 120 ft. over 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., 6 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W ¼ S16 | S15 1959
	Cont. descent; desc. 60 ft. over N. slope.
49.00	Draw, drains E.; asc. 60 ft. over S. slope.
54.00	Spur, slopes E.; desc. 50 ft. over N. slope.
57.00	Draw, drains E.; asc. 110 ft. over steep S. slope.
64.70	Spur, slopes E.; desc. 200 ft. over N. slope.
71.11	Draw, drains E.; asc. 30 ft. over S. slope.
75.40	Short spur, slopes E. 6.00 chs.; desc. 70 ft. over N. slope.
76.10	Draw, drains E.; asc. 110 ft. over S. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Survey, Portion of Subdivision, T. 23 S., R. 10 W.

Chains	
	T23S R10W S 9 | S10 S16 | S15 1959
	Land, high, mountainous. Soil, shallow, gravelly. Timber, scattered juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Asc. 100 ft. over S. slope.
30.40	Spur, slopes E.; desc. 100 ft. over N. slope.
33.80	Draw, drains E.; asc. 10 ft. over S. slope.
38.50	Small spur, slopes E.; desc. 40 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in ground and in a collar of stone, with brass cap mkd.
	T23S R10W ¼ S 9 | S10 1959
	Desc. 10 ft. over N. slope.
42.00	Head of draw, drains SE.; asc. 30 ft. over S. slope.
49.40	Spur, slopes E.; desc. 40 ft. over N. slope.
54.70	Draw, drains SE.; asc. 120 ft. over steep SW. slope.
60.10	Spur, slopes SE.; desc. 150 ft. over N. slope.
70.00	Draw, drains SE.; asc. 170 ft. over S. slope.
80.00	Point for the sec. cor. of secs. 3, 4, 9 and 10 falls on broken ledges where cor. cannot be perpetuated.
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	From the true point for secs. 3, 4, 9 and 10.
	N. 0° 05' E., bet. secs. 3 and 4.
	Asc. 110 ft. over steep broken SW. slope.
8.80	Point selected for the witness cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam. on solid bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W S 4 | S 3 S 9 | S10 W C 1959

Survey Portion of Subdivision T. 23 S. R. 10 W.

Chains	
	Asc. 170 ft. over SW. slope.
17.30	Spur, slopes SE.; desc. 30 ft. along E. slope.
30.30	Draw, drains E.; asc. 50 ft. over SE. slope.
37.90	Spur, slopes SW.; desc. 10 ft. over gentle NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 3, and 4.
	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.
	T23S R10W ¼ S 4 | S 3 1959
	Desc. 350 ft. over NW. slope of spur,
66.00	Base of steep NW. slope; enter valley; desc. 70 ft. over gentle N. slope.
84.79	The cor. of secs. 3, 4, 33 and 34.
	Land, mountainous. Soil, rocky to sandy loam. Timber, scattered juniper.
	From the cor. of secs. 2, 3, 34 and 35 on the N. bdy., an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 22 S., R. 10 W., surveyed concurrently under this same group. S. 0° 01' E., bet. secs. 2 and 3.
	Desc. 130 ft. over broken SE. slope.
11.80	Draw, drains W.; asc. 190 ft. over NW. slope.
20.40	Spur, slopes W.; desc. 270 ft. over SE. slope.
30.20	Draw, drains SE.; asc. 20 ft. over NE. slope.
39.60	Spur, slopes E.; desc. 70 ft. over SE. slope.
43.80	Draw, drains E.; asc. 30 ft. over NE. slope.
44.61	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W ¼ S 3 | S 2 1959
	Asc. 30 ft. over NE. slope.
47.00	Spur, slopes E.; desc. 230 ft. over SE. slope.
56.90	Draw, drains SE.; asc. 30 ft. over gentle NE. slope.
66.20	Small spur, slopes E.; desc. 70 ft. over gentle SE. slope.
73.10	Enter basin, low rolling land; desc. 30 ft. over SE. slope.

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Chains	
84.61	Point for the cor. of secs. 2, 3, 10 and 11.
	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.
	T23S R10W S 3 | S 2 S10 | S11 1959
	Land, high, rolling. Soil, gravelly. Timber, scattered juniper.
	N. 89° 53' E., bet. secs. 2 and 11, on a line calculated bet. the cor. of secs. 1 and 12, on the E. bdy., and the cor. of secs. 3, 4, 9 and 10.
	Desc. 10 ft. over E. slope.
1.60	Wash, 2 ft. deep, 10 lks. wide, drains SE.; asc. 60 ft. over gentle W. slope.
6.30	Ridge, bears N. and S.; desc. 50 ft. over E. slope.
18.20	Wash, 2 ft. deep, 20 lks. wide, drains SE.; asc. 180 ft. over SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 3½ ft. base, to top, with brass cap mkd.
	T23S R10W ¼ S 2 S11
	Asc. 60 ft. over SW. slope.
44.40	Saddle of spur, slopes N.; desc. 210 ft. over E. slope.
56.80	Draw, drains SE.; asc. 60 ft. over SW. slope.
62.40	Spur, slopes S.; desc. 240 ft. over SE. slope.
71.64	Draw, drains SE.; asc. 20 ft. over SW. slope.
75.50	Small spur, slopes S.; desc. 20 ft. over SE. slope.
80.00	Point for the cor. of secs. 1, 2, 11 and 12.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W S 2 | S 1 S11 | S12 1959
	Land, mountainous. Soil, gravelly. Timber, scattered juniper.

Survey, Portion of Subdivision, T. 23 S., R. 10 W.

Chains	
	N. 0° 04' W., bet. secs. 1 and 2.
	Asc. 120 ft. over steep S. slope.
4.80	Spur, slopes E.; desc. 80 ft. over NE. slope.
12.90	Draw, drains SE.; asc. 300 ft. over broken SW. slope.
29.10	Spur, slopes SE.; desc. 90 ft. over NE. slope.
34.30	Draw, drains E.; asc. 70 ft. over S. slope.
38.10	Spur, slopes E.; desc. 10 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W ¼ S 2 | S 1 1959
	Desc. 20 ft. over N. slope.
44.60	Head of draw, drains E.; asc. 120 ft. over SE. slope.
55.70	Spur, slopes SE.; desc. 100 ft. over N. slope.
59.40	Draw, drains E.; asc. 70 ft. over SE. slope.
64.10	Spur, slopes E.; desc. 200 ft. over NE. slope.
76.40	Draw, drains E.; asc. 130 ft. over S. slope.
84.46	The cor. of secs. 1, 2, 35 and 36, an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the field notes of T. 22 S., R. 10 W., surveyed concurrently under this same group. Land, mountainous. Soil, gravelly. Timber, scattered juniper.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over mountainous land covered with scattered juniper.
	Asc. 150 ft. over E. slope.
5.70	Spur, projects S.; desc. 80 ft. over W. slope.
15.80	East rim of canyon, bears N. and SE.; desc. 340 ft. over vertical ledges.
20.00	Wash in bottom of canyon, 3 ft. deep, 30 lks. wide, drains SE.; asc. 20 ft. over gentle E. slope.
25.00	Unimproved road, bears NW. and SE.; asc. 10 ft.
36.70	Wash, 3 ft. deep, 20 lks. wide, drains SW.; asc. 20 ft. over E. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground and in a collar of stone, with brass cap mkd.

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Chains	
	T23S R10W ¼ S16 S21 1959
	Asc. 480 ft. over steep E. slope.
60.70	Spur, slopes SE.; desc. 110 ft. over W. slope.
74.00	Draw, drains SE.; asc. 30 ft. over E. slope.
76.40	Small spur, slopes SE.; desc. 60 ft. over W. slope.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W S17 | S16 S21 | S21 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over mountainous land covered with scattered juniper.
	Asc. 150 ft. over S. slope.
9.40	Spur, slopes NW.; desc. 90 ft. over NE. slope.
21.00	Draw, drains NE.; asc. 30 ft. over SE. slope.
24.00	Spur, slopes NE.; desc. 70 ft. over NW. slope.
36.50	Draw, drains E.; asc. 30 ft. over SE. slope.
38.50	Spur, slopes E.; desc. 10 ft. over N. 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 to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd.
	T23S R10W ¼ S17 | S16 1959
	Asc. 20 ft. over SE. slope.
48.00	Spur, slopes E.; desc. 80 ft. over NE. slope.
56.70	Draw, drains NE.; asc. 85 ft. over SE. slope.
72.50	Spur, slopes E.; desc. 100 ft. over N. slope.
77.40	Draw, drains SE.; asc. 30 ft. over SW. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.

Portion of Subdivisi · T. 23 S. R. 10 W.

Chains	
	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. T23S R10W S 8 | S 9 S17 | S16 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	From the cor. of secs. 9, 10, 15 and 16.
	N. 89° 57' W., bet. secs. 9 and 16.
	Asc. 220 ft. over steep E. slope.
10.10	Spur, slopes SE.; desc. 50 ft. over SW. slope.
14.60	Draw, drains SE.; asc. 100 ft. over E. slope.
27.50	Top of ridge, bears irregularly N. and S.; desc. 400 ft. over vertica ledges, bears NW. and SE.
40.01	Point for the ¼ sec. cor. of secs. 9 and 16 falls on vertical ledge where cor. cannot be perpetuated.
	Desc. 30 ft. over vertical ledge, facing W.
43.25	Point selected for the ¼ witness cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock and in a mound of stone, 4 ft. base, to top, with brass cap mkd. T23S R10W ¼ S 9 S16 W C 1959
	Desc. 140 ft. over W. slope.
57.20	Unimproved road, bears NE. and SW. in canyon draining SW.; asc. 100 ft. over E. slope.
64.50	Spur, slopes SE.; desc. 50 ft. over W. slope.
80.02	The cor. of secs. 8, 9, 16 and 17.
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	From the cor. of secs. 32 and 33 on the S. bdy.
	N. 0° 03' W., bet. secs. 32 and 33.
	Asc. 20 ft. over gentle S. slope.
8.00	Unimproved road, bears N. 20° W. and S. 20° E.; asc. 50 ft. over S. slope.

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Chains	
31.40	Small wash, drains SE.; asc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 32 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. T23S R10W ¼ S32 | S33 1959
	Asc. 190 ft. over S. slope.
62.60	Crest of spur, slopes E.; desc. 80 ft. over NE. slope.
71.60	Draw, drains SE.; asc. 150 ft. over steep rocky SE. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over cross (X) cut in solid stone and in a mound of stone, 4 ft. base, to top, with brass cap mkd. T23S R10W S29 | S28 S32 | S33 1959
	Land, mountainous. Soil, rocky. Timber, scattered juniper.
	From the cor. of secs. 31 and 32, on the S. bdy.
	N. 0° 03' W., bet. secs. 31 and 32.
	Asc. 40 ft. over gentle S. slope.
29.00	Unimproved road, bears NW. and SE. 10 ft.
30.10	Small wash, drains SE.; asc. 30 ft. over S. slope.
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 and in a collar of stone, with brass cap mkd. T23S R10W ¼ S31 | S32 1959
	Cor. falls on gentle E. slope.
	Asc. 30 ft. along E. slope.
44.30	Crest of ascent; desc. 10 ft. over NE. slope.
52.00	Draw, drains E.; asc. 100 ft. over SE. slope.
67.00	Spur, slopes E.; desc. 30 ft. along NE. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	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.

Chains

T23S R10W
S30 | S29
S31 | S32
1959

Land, rolling.
Soil, gravelly.
Timber, none.

From the cor. of secs. 28, 29, 32 and 33.

West, bet. secs. 29 and 32.

Asc. 250 ft. over steep E. slope.

10.90 East rim of canyon, bears N. and S.; desc. 200 ft. over nearly vertical ledge.

16.30 Small wash, drains S.; desc. 20 ft. over W. slope.

22.00 Wash, 3 ft. deep, 20 lks. wide, drains S.; asc. 10 ft. over gentle E. slope.

40.00 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.

T23S R10W
¼ S29
S32
1959

Raise a mound of stone, 3½ ft. base, 20 ins. high, N. of cor.

45.00 Unimproved road, bears NW. and S. 20° E.; desc. 10 ft. over W. slope.

60.00 Wash, 2 ft. deep, 20 lks. wide, drains SE.; asc. 40 ft. over gentle E. slope.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, mountainous.
Soil, rocky.
Timber, scattered juniper.

General Description

A considerable variety of land and soil is found in T. 23 S., R. 10 W., which consists mainly of the Cricket Mountains. The general elevation of the township ranges from about 4,900 feet to 6,000 feet above sea level. The southeast portion of the township is rolling desert land and can be traveled by jeep trucks; the central, west and northern parts are rough and stony. The soil of the low land is sandy with light gravel; the central, western and northern areas are rocky, with limestone outcroppings throughout the township. The mountains are covered with scattered juniper and scrub pinon pine, buckbrush, June grass and sage. The southeastern portion is mainly shadscale, gramma grass and scrub sage.

An improved graveled highway from Deseret to Milford enters the southeastern portion of the township between sections 31 and 36 on the east boundary, bears southwest, and leaves the township on the south boundary between sections 2 and 35, bearing S. 40° W. The Union Pacific Railroad also crosses the southeastern portion of the

Chains

township, enters the east boundary between sections 31 and 36, bearing S. 53° 48' W., and leaves the south boundary between sections 1 and 36, bearing S. 53° 48' W.

There is a graded road that enters the southern boundary of the township between sections 5 and 32, bearing N. 40° W., and winding through the western portion of the township, with branches of less traveled roads leading to sheep camps and water storage tanks throughout the township. The main road leaves the township on the northern boundary between sections 6 and 31, bearing north and south.

No permanent water was noted throughout the township.

Volume

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U. S. GOVERNMENT PRINTING OFFICE 16—28530-2

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Lynn S. Griffin	Notes
Morris E. Blackburn	Drag Chainman
Jeddie J. Judd	Flagman
Richard N. Brand	Cornerman

16—58466-2

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CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 27th day of April, 1959, I have ~~surveyed~~ supervised the dependent resurvey and survey of the south boundary, retracement of a portion of the east boundary, independent resurvey of a portion of the subdivision and the survey of a portion of the subdivision of T. 23 S., R. 10 W.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been ~~executed~~ supervised 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

May 24, 1960

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., DEC 23 1960, *19*

The foregoing field notes of the ~~survey~~ dependent resurvey and survey of the south boundary, retracement of a portion of the east boundary, independent resurvey of a portion of the subdivision, and survey of a portion of the subdivision of T. 23 S., R. 10 W., Salt Lake Meridian, Utah

executed by Alburn D. Griffin, Cadastral Surveyor, under the supervision of Vern E. Lane, Cadastral Surveyor 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