Volume

# #

R0542

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

R - 542

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

der special instructions dated ....., 19....., *which provided*

the surveys included under Group No. ....., *approved* .....

d assignment instructions dated ....., 19.....

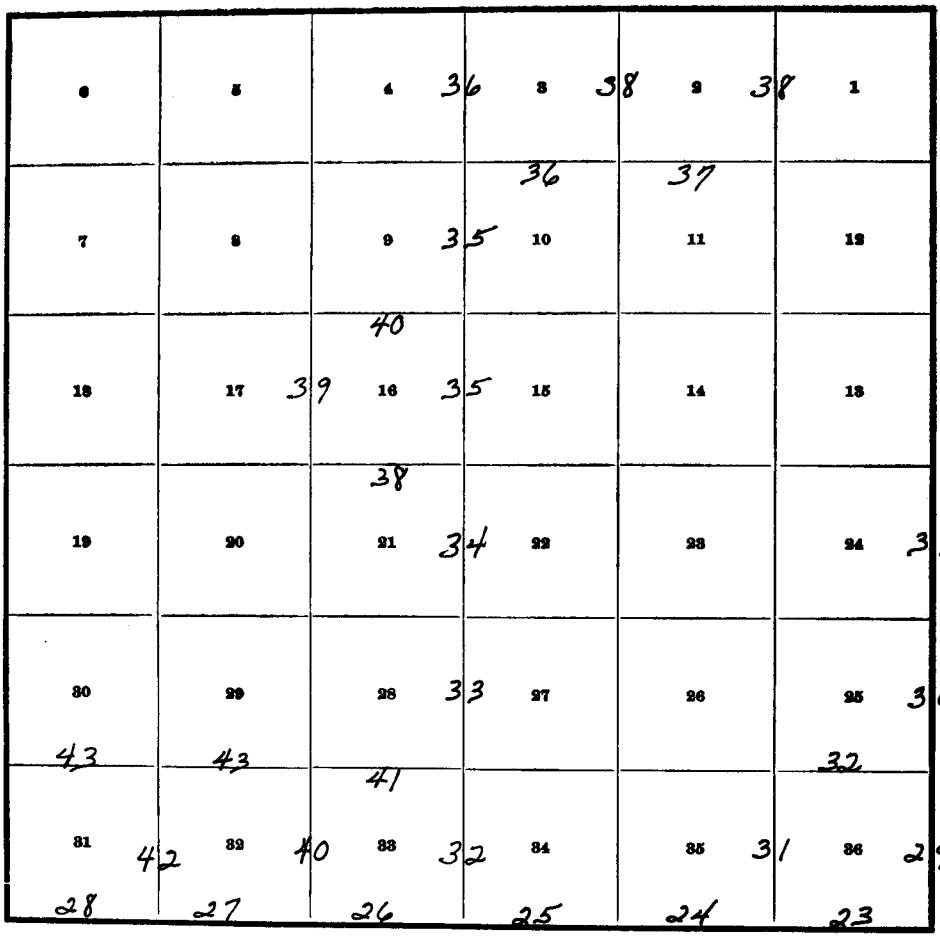
Survey commenced ....., 19.....

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

1A

INDEX DIAGRAM

Township 34 SOUTH, Range 12 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

der special instructions dated ....., *19*....., *which provided*

r the surveys included under Group No. ....., *approved* .....

d assignment instructions dated ....., *19*.....

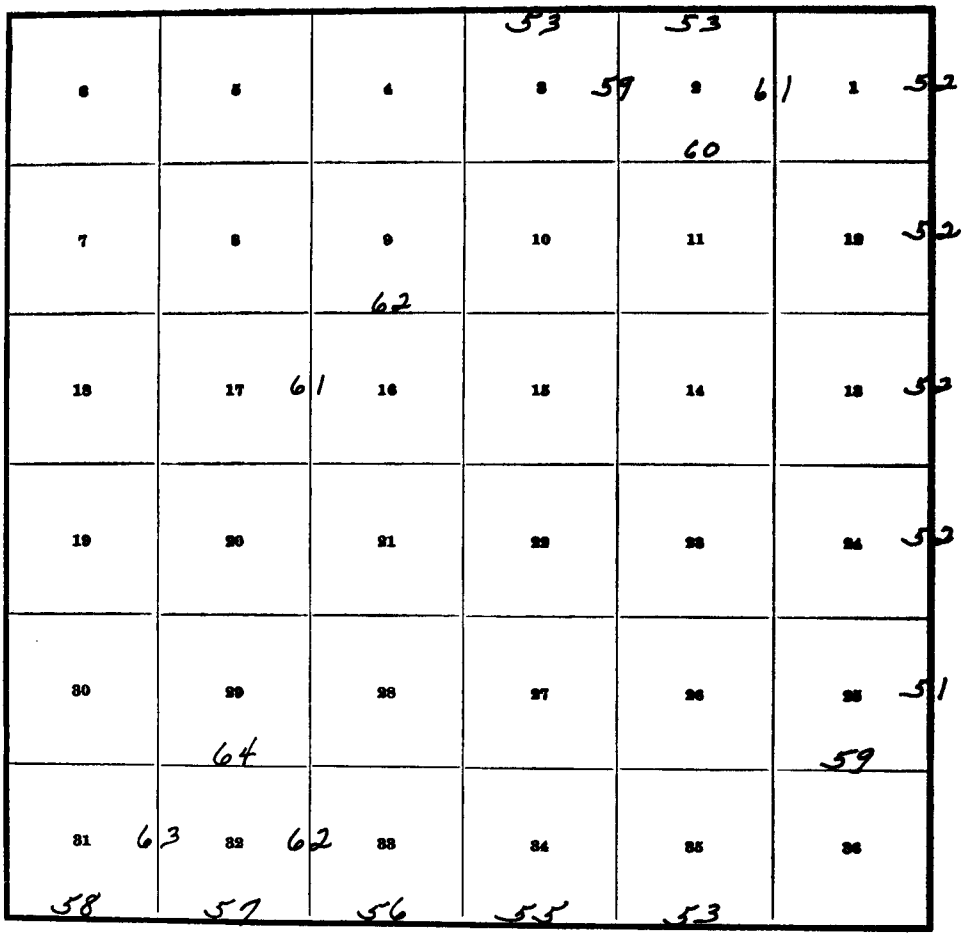
Survey commenced ....., *19*.....

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

2A

INDEX DIAGRAM

Township 34 SOUTH, *Range* 13 EAST



			53	53	
6	5	4	3 59	2 61	1 52
				60	
7	8	9	10	11	12 52
		62			
18	17 61	16	15	14	13 52
19	20	21	22	23	24 52
30	29	28	27	26	25 51
	64				59
31 63	32 62	33	34	35	36
58	57	56	55	53	

GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

der special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

l assignment instructions dated ....., *19*.....

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

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

3A

INDEX DIAGRAM

Township 34 SOUTH, *Range* 13 EAST

6	5	4	3	2	1	78
7	8	9	10	11	12	77
18	17	16	15	14	13	75
19	20	21	22	23	24	75
30	29	28	27	26	25	74
31	32	33	34	35 78	36	73
					72	

GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

der special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

l assignment instructions dated ....., *19*.....

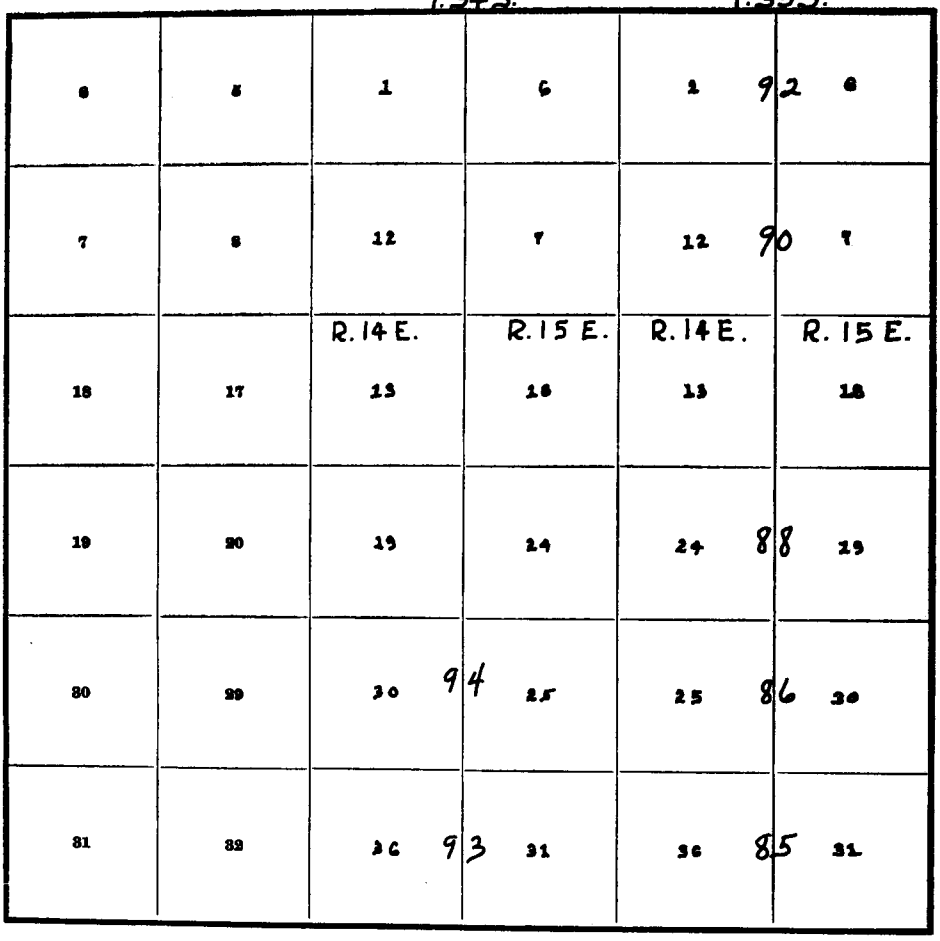
Survey commenced ....., *19*.....

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

4A

INDEX DIAGRAM

Township ....., Range .....



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

der special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

l assignment instructions dated ....., *19*.....

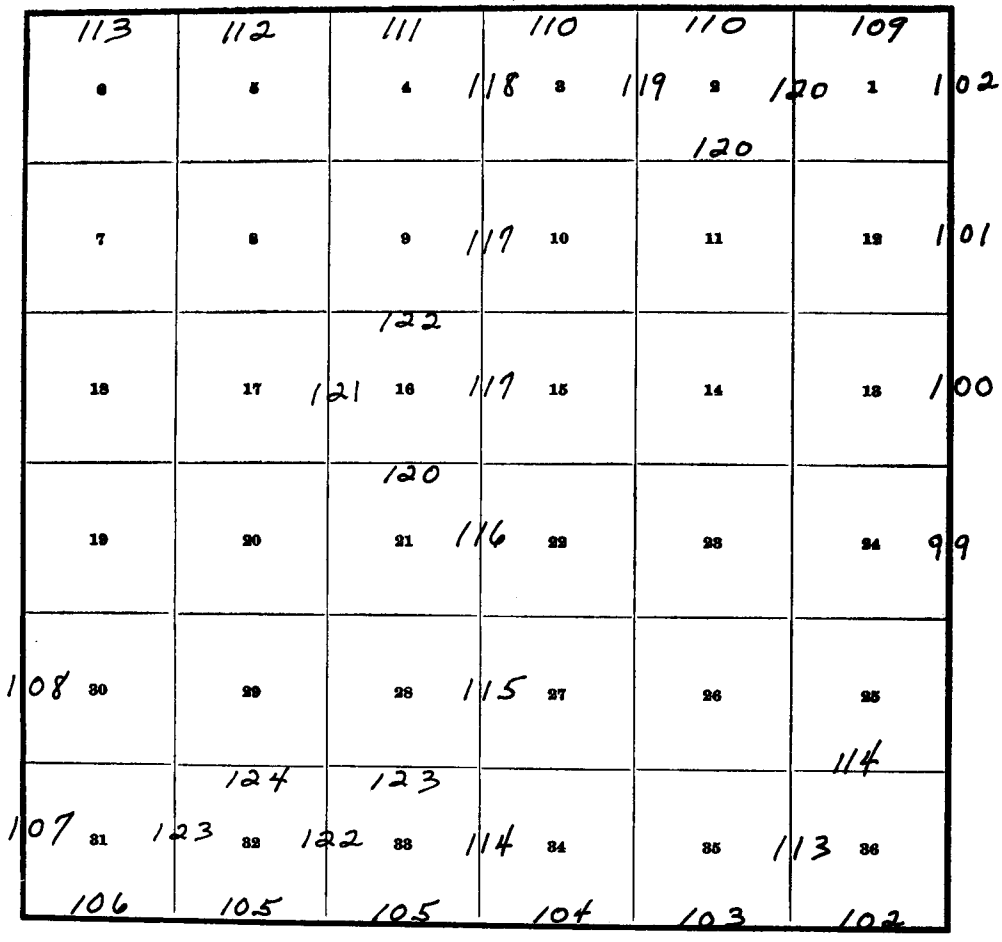
Survey commenced ....., *19*.....

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

5A

INDEX DIAGRAM

Township 34 SOUTH, Range 14 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

.....

.....

.....

ler special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

assignment instructions dated ....., *19*.....

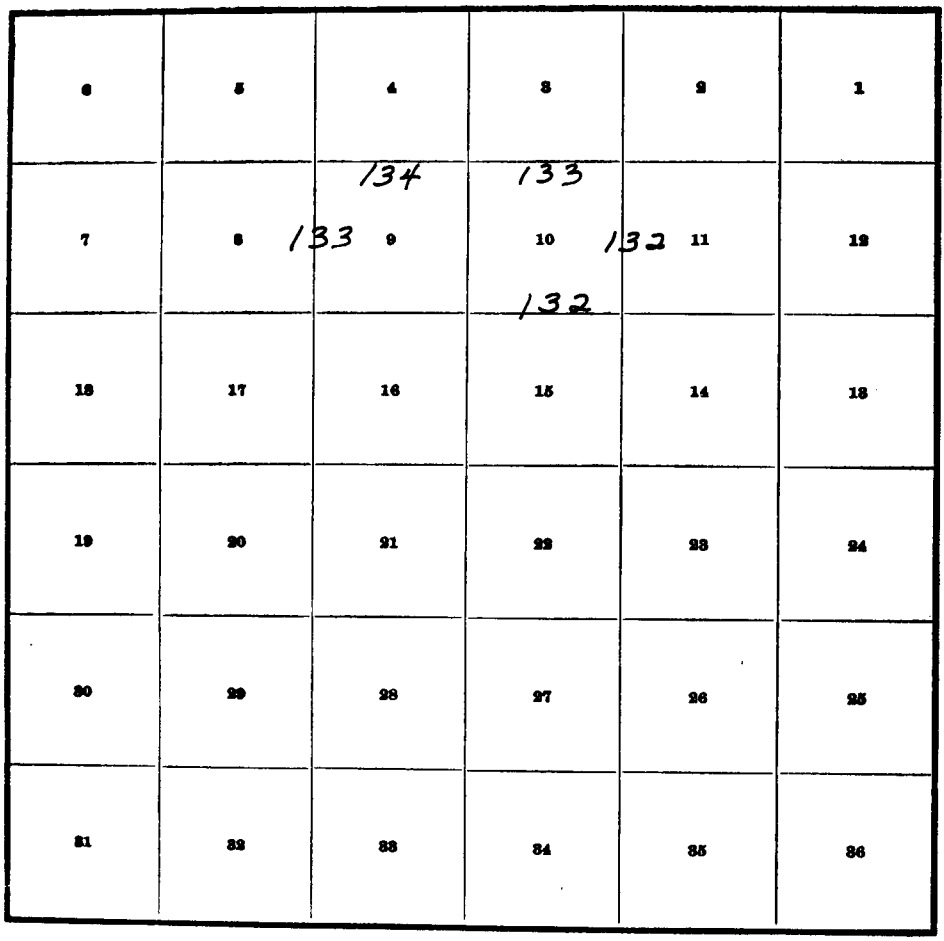
Survey commenced ....., *19*.....

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

GA

INDEX DIAGRAM

Township 34 SOUTH, *Range* 14 EAST



GPO 886119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

ler special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

assignment instructions dated ....., *19*.....

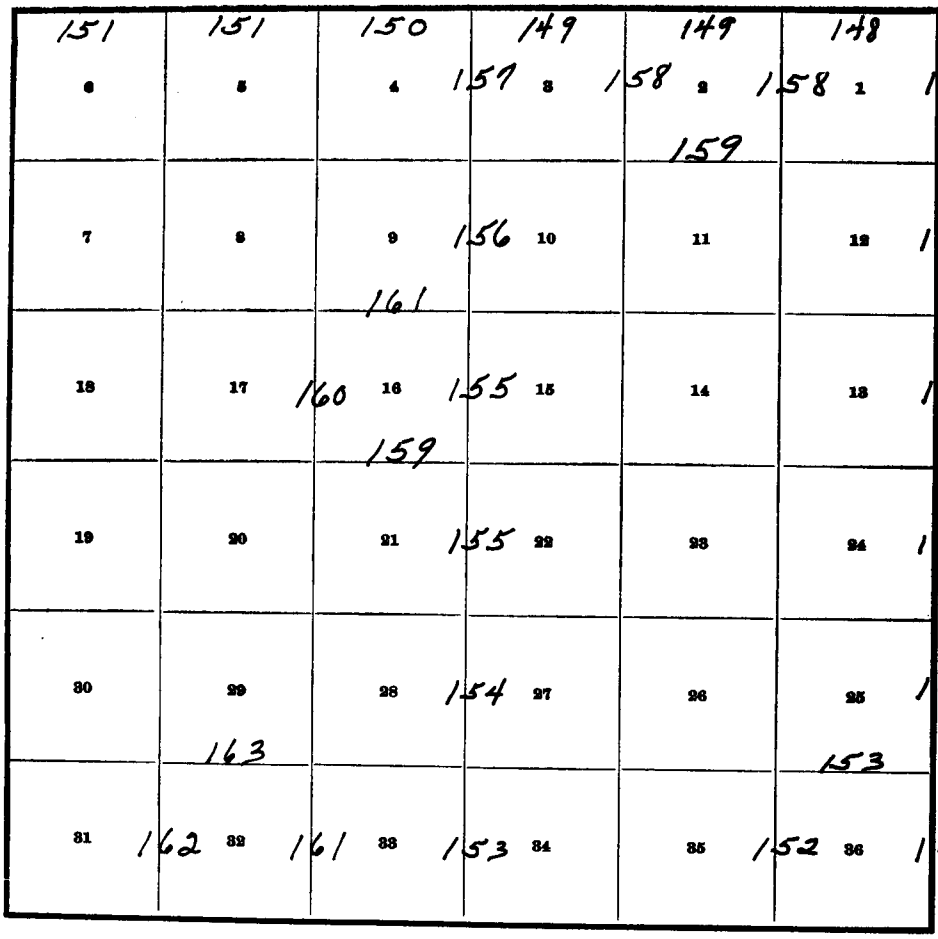
Survey commenced ....., *19*.....

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

7A

INDEX DIAGRAM

Township 34 SOUTH, Range 15 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

er special instructions dated ....., 19....., *which provided*

he surveys included under Group No. ....., *approved* .....

assignment instructions dated ....., 19.....

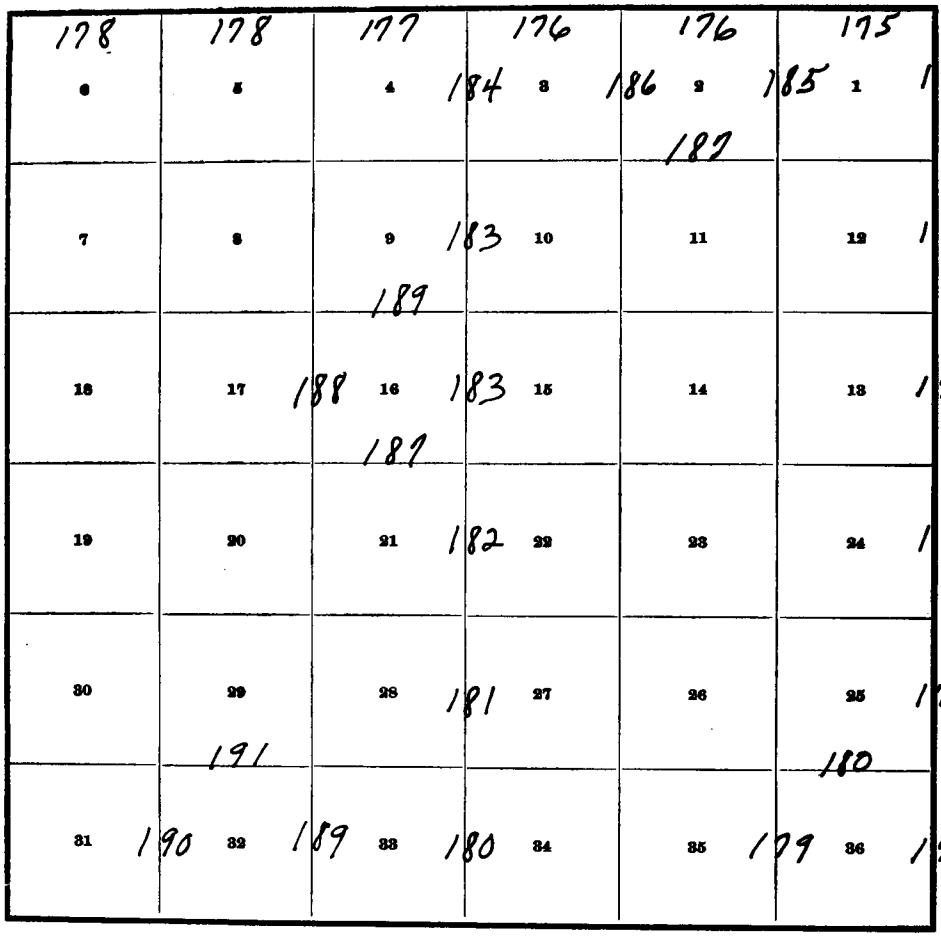
Survey commenced ....., 19.....

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

84

INDEX DIAGRAM

Township 34 SOUTH, Range 16 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

der special instructions dated ....., 19....., *which provided*

the surveys included under Group No. ....., *approved* .....

l assignment instructions dated ....., 19.....

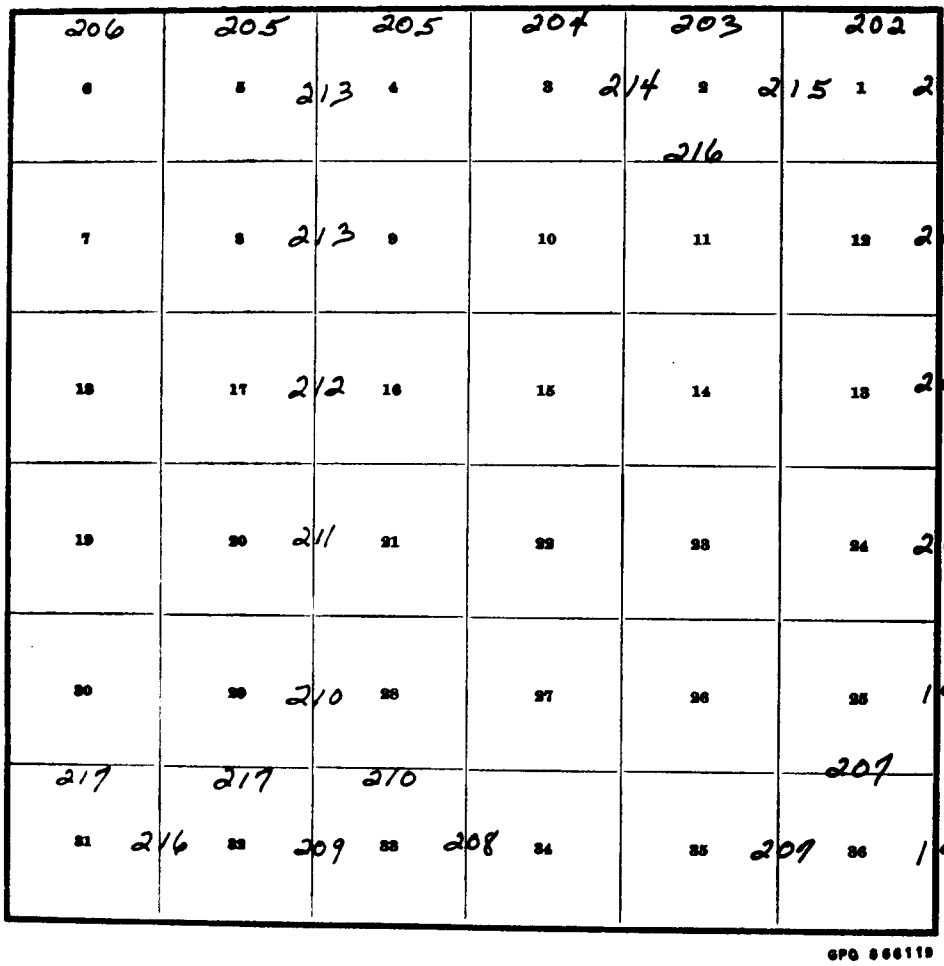
Survey commenced ....., 19.....

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

9A

INDEX DIAGRAM

Township 34 SOUTH, Range 17 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

der special instructions dated ....., *19*....., *which provided*

the surveys included under Group No. ....., *approved* .....

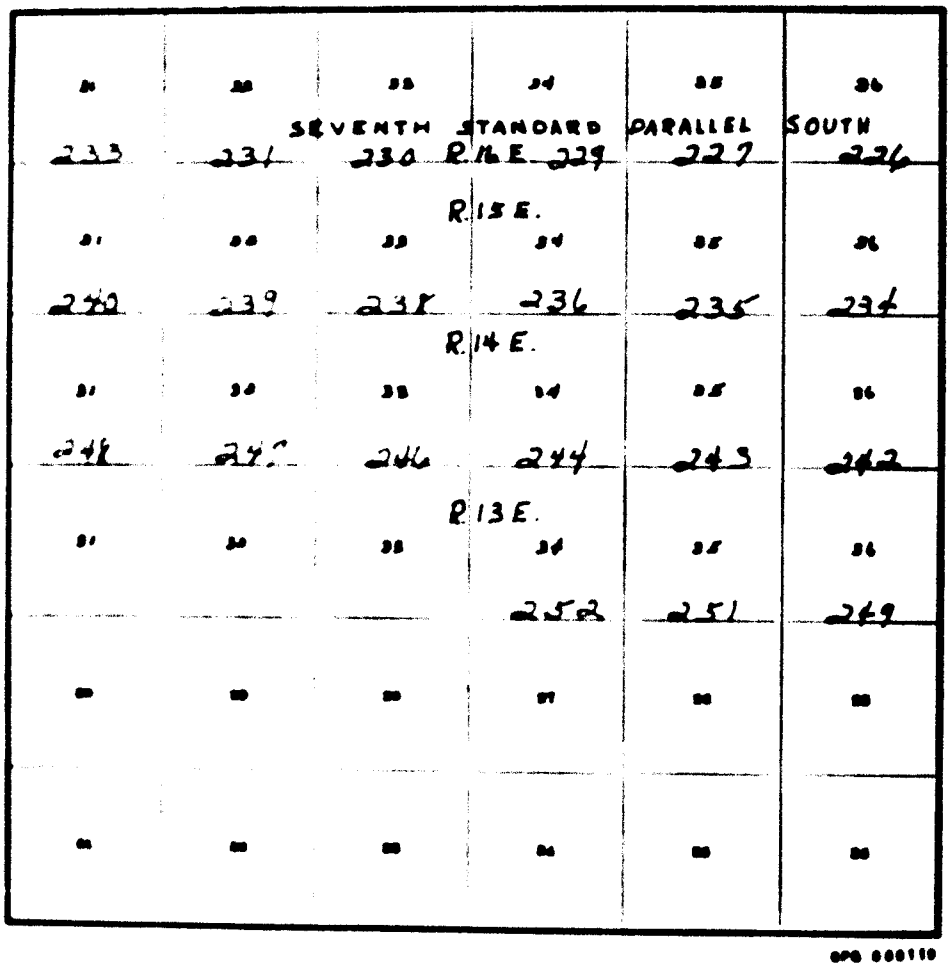
assignment instructions dated ....., *19*.....

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

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

INDEX DIAGRAM

Township 35 SOUTH , *Range* .....



31	32	33	34	35	36
		SEVENTH STANDARD PARALLEL SOUTH			
233	231	230	R.16 E. 229	227	226
			R.15 E.		
31	32	33	34	35	36
240	239	238	236	235	234
			R.14 E.		
31	32	33	34	35	36
248	247	246	244	243	242
			R.13 E.		
31	32	33	34	35	36
			252	251	249
31	32	33	34	35	36
31	32	33	34	35	36

GPO 000110

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

ler special instructions dated ....., 19....., *which provided*

the surveys included under Group No. ....., *approved* .....

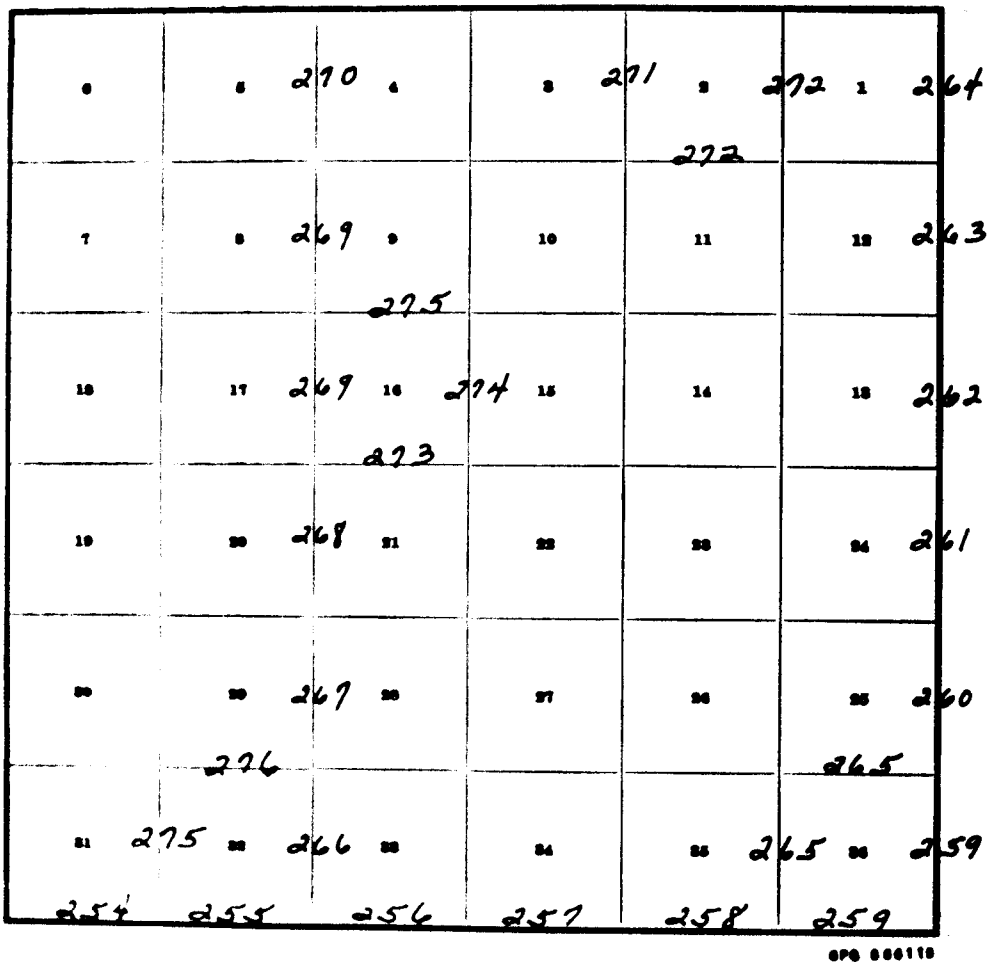
assignment instructions dated ....., 19.....

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

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

INDEX DIAGRAM

Township 35 SOUTH, *Range* 12 EAST



6	5 270	4	3 271	2 272	1 264
				272	
7	8 269	9	10	11	12 263
		275			
18	17 269	16 274	15	14	13 262
		273			
19	20 268	21	22	23	24 261
30	29 267	28	27	26	25 260
	276				265
31 275	32 266	33	34	35 265	36 259
254	255	256	257	258	259

GPO 866118

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

.....

.....

.....

ler special instructions dated ....., 19....., *which provided*

the surveys included under Group No. ....., *approved* .....

assignment instructions dated ....., 19.....

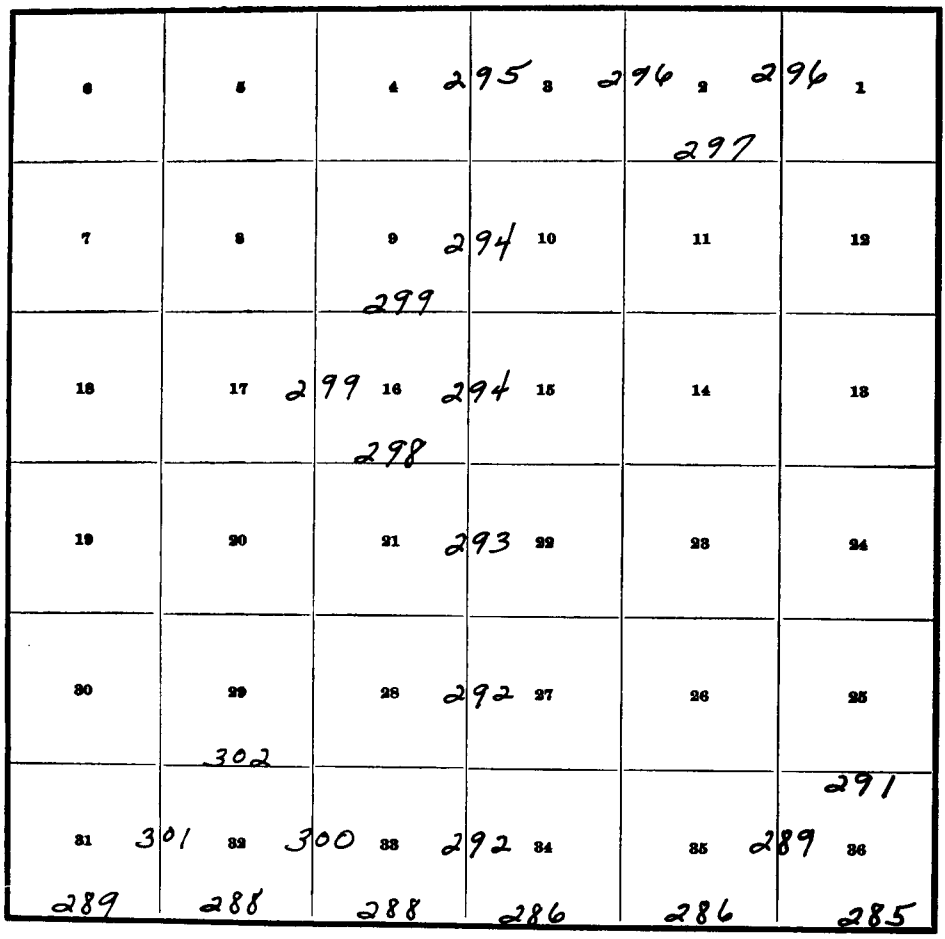
Survey commenced ....., 19.....

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

12A

INDEX DIAGRAM

Township 35 SOUTH, *Range* 13 EAST



6	5	4 295	3 296	2 296 297	1
7	8	9 294 299	10	11	12
18	17 299	16 294 298	15	14	13
19	20	21 293	22	23	24
30	29 302	28 292	27	26	25 291
31 301 289	32 300 288	33 292 288	34 286	35 289 286	36 285

GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Of the ..... *Meridian,*

he State of .....

EXECUTED BY

.....

.....

.....

er special instructions dated ....., *19*....., *which provided*

he surveys included under Group No. ....., *approved* .....

assignment instructions dated ....., *19*.....

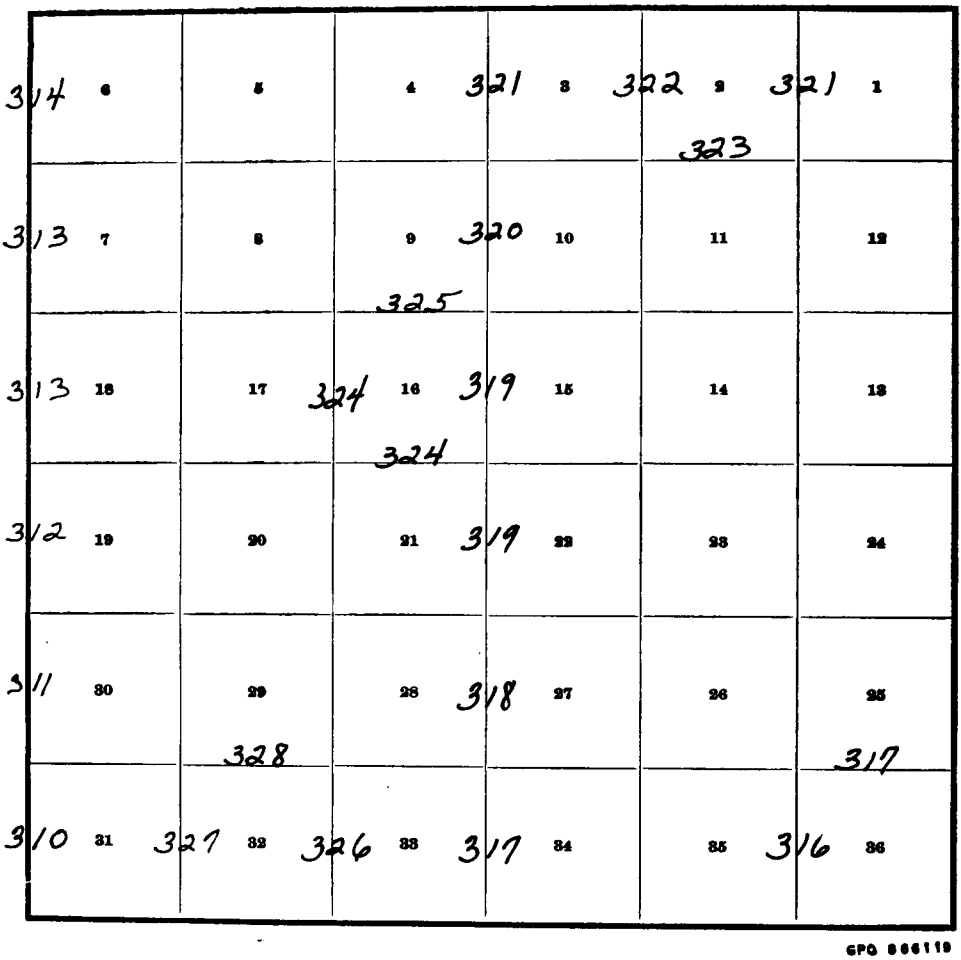
Survey commenced ....., *19*.....

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

13A

INDEX DIAGRAM

Township 35 SOUTH, *Range* 14 EAST



GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

e State of .....

EXECUTED BY

r special instructions dated ....., *19*....., *which provided*

he surveys included under Group No. ....., *approved* .....

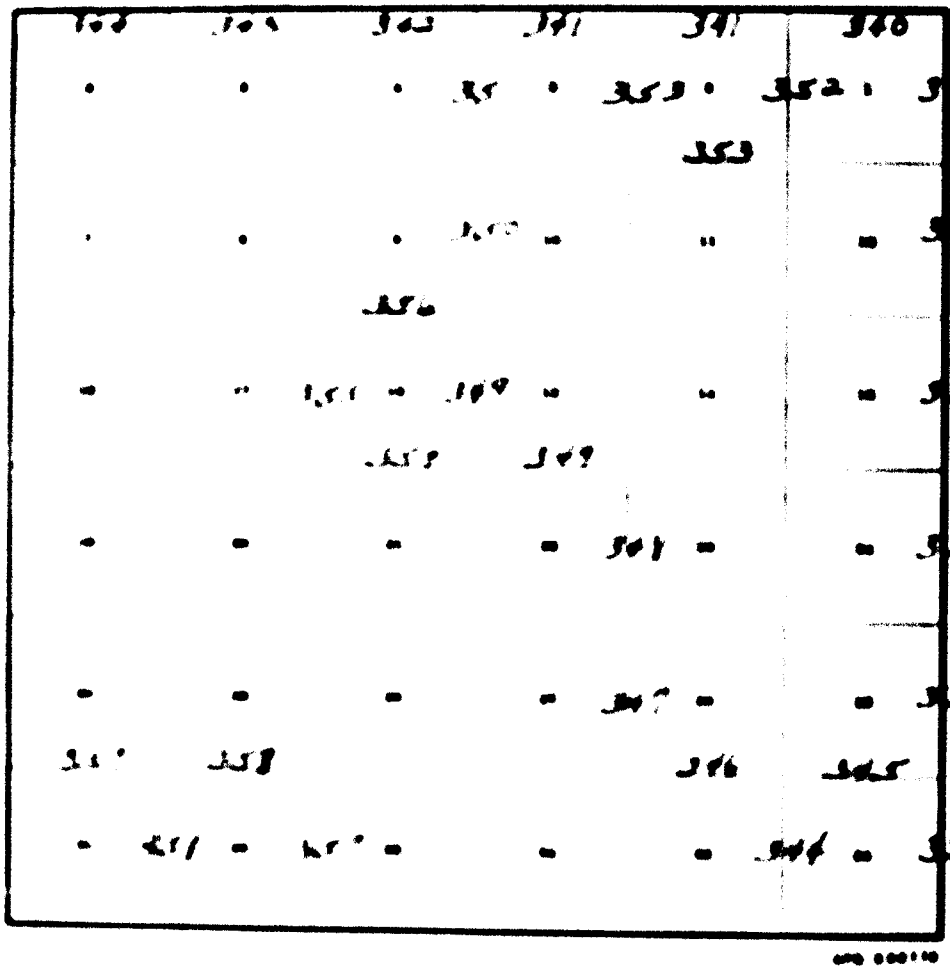
ssignment instructions dated ....., *19*.....

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

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

INDEX DIAGRAM

Township 35 South, Range 15 East



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

e State of .....

EXECUTED BY

.....

.....

.....

r special instructions dated ....., *19*....., *which provided*

he surveys included under Group No. ....., *approved* .....

ssignment instructions dated ....., *19*.....

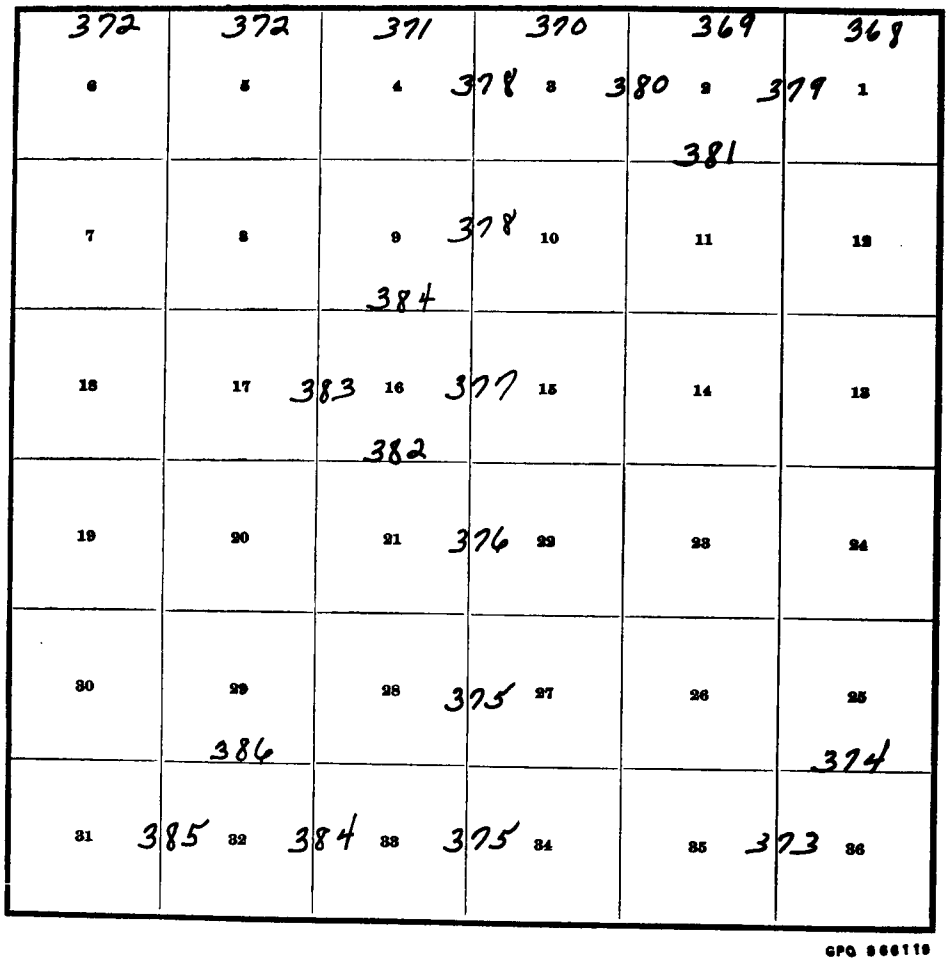
Survey commenced ....., *19*.....

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

BA

INDEX DIAGRAM

Township 35 SOUTH, *Range* 16 EAST



372	372	371	370	369	368
6	5	4 378	3 380	2 379 381	1
7	8	9 378 384	10	11	12
18	17 383	16 377 382	15	14	13
19	20	21 376	22	23	24
30	29 386	28 375	27	26	25 374
31 385	32 384	33 375	34	35 373	36

GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

n the State of .....

EXECUTED BY

Inder special instructions dated ....., 19....., *which provided*

or the surveys included under Group No. ....., *approved* .....

nd assignment instructions dated ....., 19.....

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

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

16A

INDEX DIAGRAM

Township 35 SOUTH, Range 18 EAST

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29 393	28	27	26	25
31 393	32 392	33	34	35	36

GPO 866119

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

nder special instructions dated ....., *19*....., *which provided*

r the surveys included under Group No. ....., *approved* .....

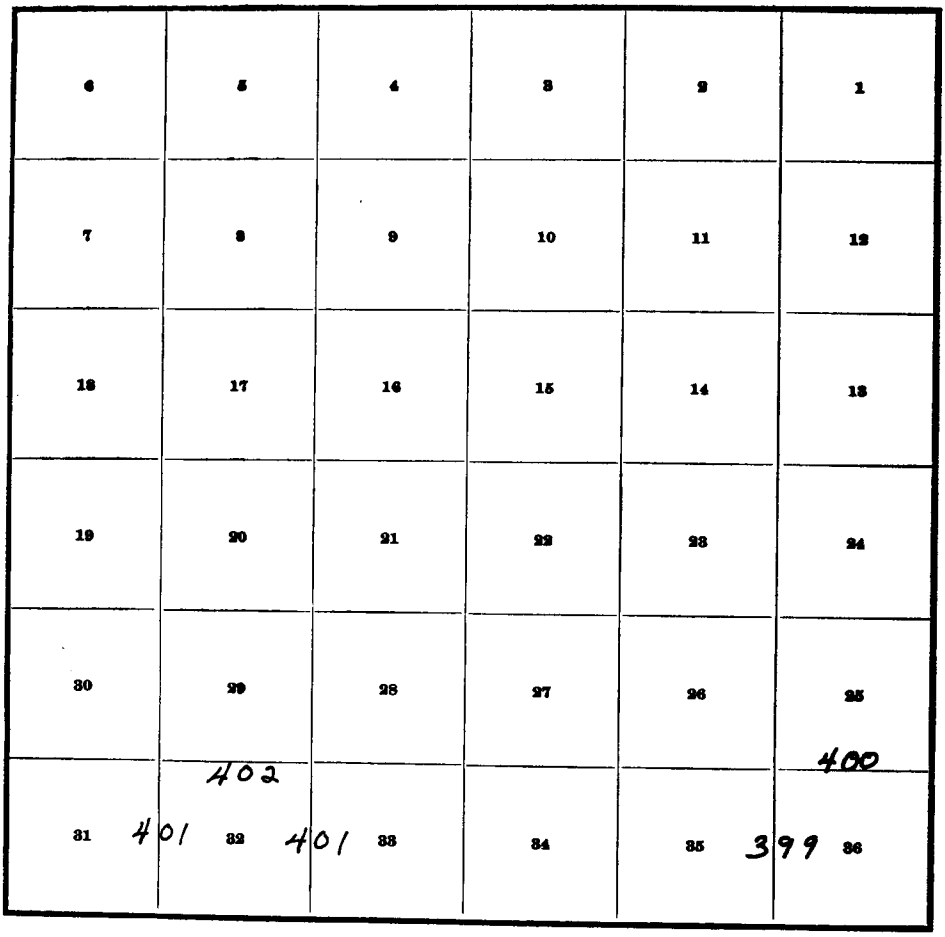
d assignment instructions dated ....., *19*.....

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

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

INDEX DIAGRAM

Township 35½ SOUTH, Range 12 EAST



GPO 866118

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Of the ..... *Meridian,*

the State of .....

EXECUTED BY

.....

.....

.....

nder special instructions dated ....., *19*....., *which provided*

r the surveys included under Group No. ....., *approved* .....

d assignment instructions dated ....., *19*.....

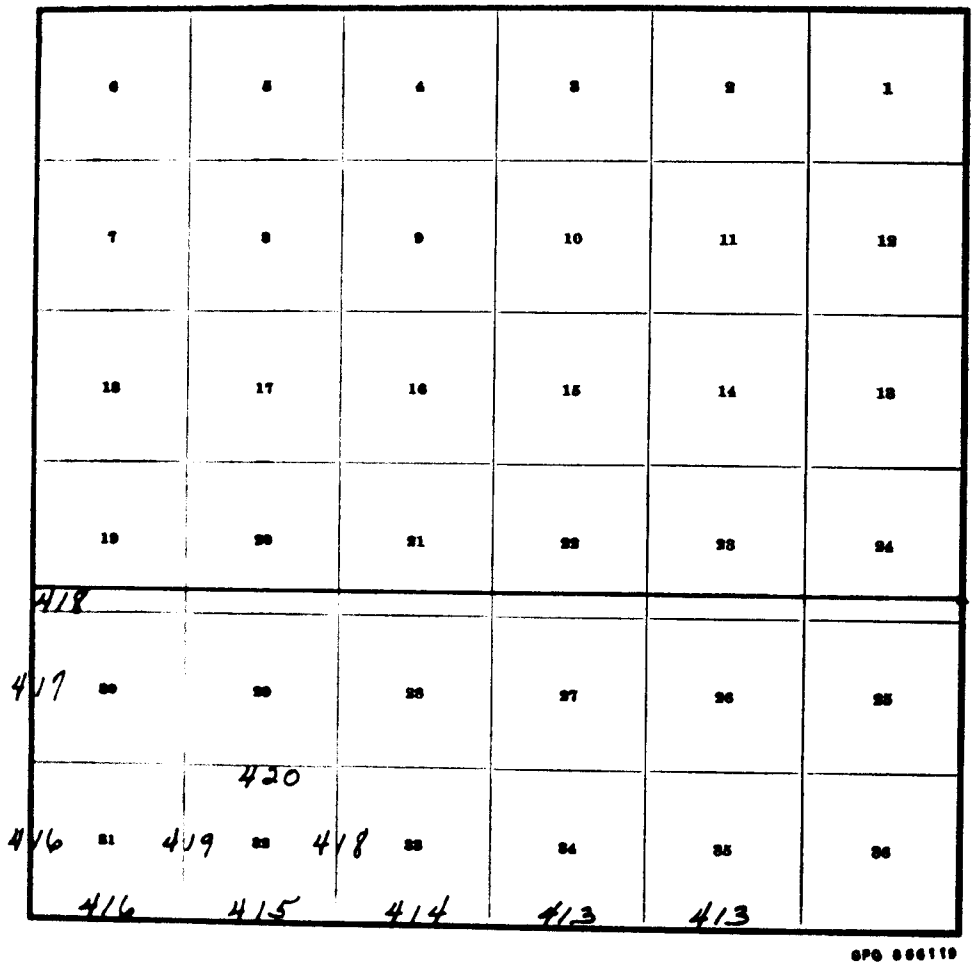
Survey commenced ....., *19*.....

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

F5A

INDEX DIAGRAM

Township 35½ SOUTH, Range 13 EAST



GPO 886119

INDEX DIAGRAM

Township 35½ SOUTH, *Range* 13 EAST

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

429

428

GPO 866111

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey

of the

South Boundary

A Portion of the East Boundary

and

A Portion of the Subdivision

of

Township 34 South, Range 12 East

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor, and Kenneth D. Witt, Cartographic Survey Aid

Robert C. Kundt, Cadastral Surveyor (Chief of Party)

der special instructions dated March 5th, *19* 54, *which provided*

the surveys included under Group No. 389 Utah, *approved* April 6, 1954

l assignment instructions dated May 1st, *19* 56

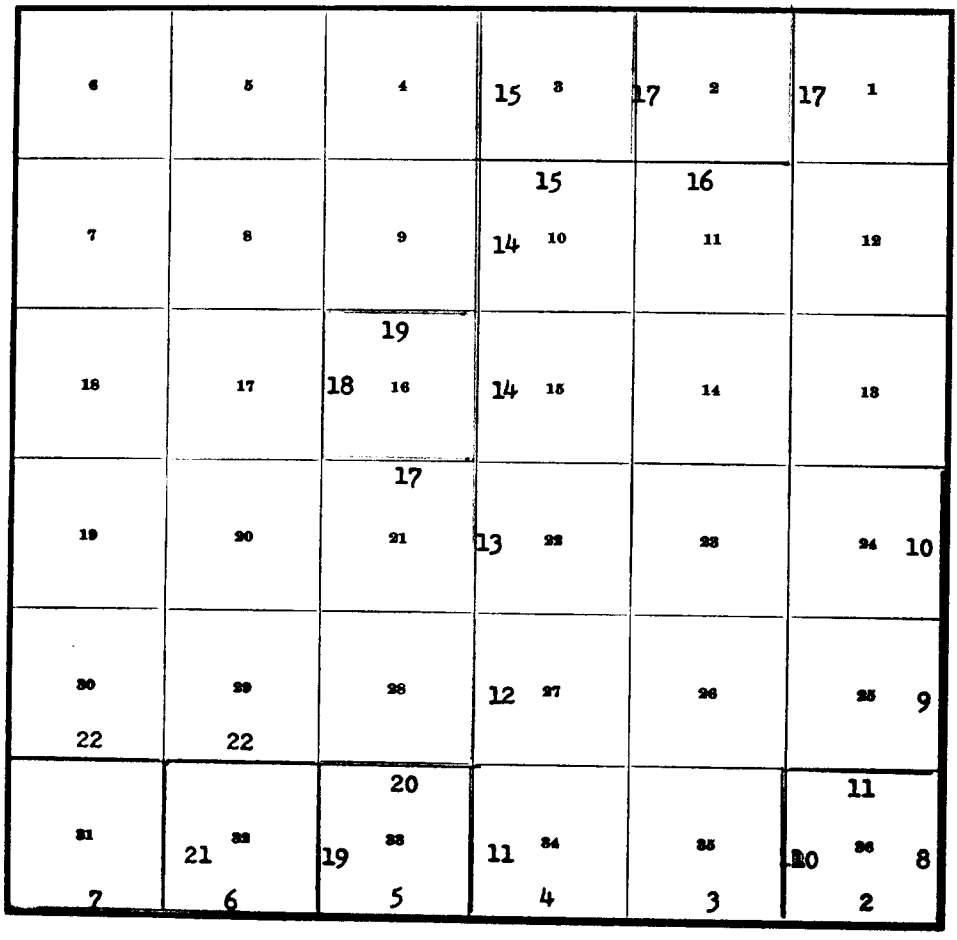
Survey commenced November 7th, *19* 55

Survey completed July 25th, *19* 56

U. S. GOVERNMENT PRINTING OFFICE 16—80770-1

INDEX DIAGRAM

Township 34 South, *Range* 12 East



16—36770-1

Lines ruled in red were surveyed by Fred R. Chappell

Lines ruled in green were surveyed by Kenneth D. Witt

2227

Township 34 South Range 12 East

Chains

The north boundary and the north 3⅓ miles of the east boundary of Township 34 South, Range 12 East, were surveyed by Elliot Bird and R. G. Yandt, in 1923, in connection with the survey of Township 33 South, Range 12 East and Township 34 South, Range 13 East. The west boundary was surveyed by Fred R. Chappell and R. K. Burgess in 1955.

The following field notes are those of the survey of the south boundary, with establishment of corners for Township 35 South, Range 12 East, the south 2½ miles of the east boundary, and that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school land, and to facilitate the development of the natural resources. The corners along the latitudinal lines were established at the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with Buff and Buff solar transit No. 26066 and W. and L. E. Gurley solar transit No. 262669, both being the property of the Bureau of Land Management, and constructed in accordance with their specifications. The instruments have full vertical circles and improved type solar attachments. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachments were not used, no description of them will be included here. The instruments were in good adjustment, and prior to the beginning of the field work they were examined and all errors eliminated. They were maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, determined through ties made to the U. S. Coast and Geodetic Survey station "Mesa" in Township 34 South, Range 7 East, is as follows: Latitude 37° 48' 03" North and longitude 110° 31' 46.5" West. The mean magnetic declination was found to be 15° 15' East.

The direction of the lines of the survey were determined by reference to the true meridians established on line by hour angle observations on Polaris or altitude observations on the sun. The lines were carried forward as transit lines and checked by succeeding observations.

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

Survey of the South Boundary of Township 34 South Range 12 East

---

Note: corners referring to Township 35 South, Range 12 East are established on this boundary at regular intervals west of the northeast corner of that township.

Survey of the South Boundary of Township 34 South, Range 12 East

Chains	
	The southeast corner of Township 34 South, Range 12 East is established at the intersection of a line projected South from the corner originally set as a witness ¼ section corner of sections 19 & 24 and the north boundary of Township 35 South, Range 12 East. At which point:
	Set an iron post 36 inches long and 1 inch in diameter, 12 inches in the ground and in a mound of stone, with brass cap mkd.
	T34S R12E | R13E S36 | S31 S1 T35S R12E 1956
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
	From this corner, the northeast corner of Township 35 South, Range 12 East, bears S. 89° 58' E. 3.52 chains distant.
	Thence:
	N. 89° 58' W. along the south boundary of sec. 36.
	Over barren sandstone knobs and ribs, descend 75 ft.
3.00	Sandstone draw drains S. 20° E. ascend 120 ft.
36.48	Point for the ¼ sec. corner of sec. 1, T. 35 S., R.12E.
	On the east slope of a sandstone knob, cement a brass tablet 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone and mkd.
	¼ S1 1956
	A cross (x) cut in solid sandstone bears South, 1 lk. distant.
40.00	Point for the ¼ sec. corner of sec. 36.
	Over a cross (x) cut in solid sandstone, set an iron post 36 inches long, and 1 inch in diameter, in a mound of stone, with brass cap mkd.
	¼ S36 1956
	Ascend 130 ft. over an east slope.
47.40	Red sandstone shelf faces southeast, enter medium dense juniper. Ascend 100 ft.
68.10	Spur projects N. 80° E.
76.48	Point for the corner of secs. 1 and 2, T. 35 S., R. 12 E.
	Set an iron post, 36 inches long, 1 inch in diameter, 12 inches in the ground, and in a mound of stone, with brass cap mkd.
	T34S R12E S36 S2 | S1 T35S 1956

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

Survey of the South Boundary of Township 34 South, Range 12 East

Chains	
	Deposit a sandstone rock, 5x4x3 inches mkd. with a cross (x), at the base of the post.
	Descend 40 ft. along a north slope.
80.00	Point for the corner of secs. 35 and 36.
	Set an iron post, 30 inches long, 2½ inches in diameter, 6 inches in the ground and in a mound of stone, with brass cap mkd.
	T34S R12E S35 | S36
	1956
	Deposit a sandstone rock, 4x3x2 inches mkd. with a cross (x), at the base of the post.
	Land, broken barren sandstone the first ½ mile and rolling mountain land in the balance. Soil, sandstone to sandy clay. Timber, medium juniper and pinon. Undergrowth, scattered black brush, bitter brush, silver leaf, mountain rush and scant grass.

	N. 89° 58' W. along the south boundary of sec. 35.
	Over steep desert mountain land, through scattered juniper and pinon and scant undergrowth, descend 80 ft. along a north slope.
16.50	Draw, drains N. 20° E. Ascend 230 ft. along a northeast slope.
27.00	Spur, projects NE., desc. along a NW. slope.
36.48	Point for the ¼ sec. corner of sec. 2, T. 35 S., R. 12 E.
	Set an iron post 36 inches long, 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S2 1956
	Deposit a sandstone rock 5x3x1 inches mkd. with a cross (x) at the base of the post.
37.50	Draw, drains northeast, ascend 100 ft. over an east slope.
40.00	Point for the ¼ sec. corner of sec. 35.
	Set an iron post 36 inches long, 1 inch in diameter, 6 inches in the ground to solid rock and in a mound of stone, with brass cap mkd.
	¼ S35
	1956
	Deposit a sandstone rock 3x3x2 inches mkd. with a cross (x) at the base of the post.
	Ascend 280 ft. along an east changing to north slope.
58.00	Draw, drains N. 10° E. Ascend 200 ft. along a north slope.

Survey of the South Boundary of Township 34 South, Range 12 East

Chains

76.48 Point for the corner of sec. 2 and 3, T. 35 S., R. 12 E.

Set an iron post 36 inches long, 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T34S R12E
S35
S3 | S2
T35S
1956

Deposit a sandstone rock, 5x4x1 inches, mkd. with a cross (x), at the base of the post.

80.00 Point for the corner of secs. 34 and 35.

Set an iron post 36 inches long, 1 inch in diameter, 12 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd.

T34S R12E
S34 | S35
S3
T35S
1956

Deposit a sandstone rock, 5x3x2 inches, mkd. with a cross (x), at the base of the post.

Land, steep desert mountain land.
Soil, sandy clay with sandstone outcrops.
Timber, scattered juniper and pinon.
Undergrowth, scattered black brush, bitter brush, mountain rush and scant grass.

N. 89° 58' W. along the south boundary of sec. 34.

Over steep desert mountain land through medium juniper and pinon and scant undergrowth. Desc. 60 ft.

9.50 Draw, south fork of Swett Creek. Ascend 690 ft. over a broken east slope.

36.48 Point for the ¼ sec. corner of sec. 3, T. 35 S., R. 12 E.

Set an iron post 36 inches long, 1 inch in diameter, 8 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd.

¼ S3
1956

Ascend 150 ft. over a steep east slope.

40.00 Point for the ¼ sec. corner of sec. 34.

Set an iron post 36 inches long, 1 inch in diameter, 10 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd.

¼ S34

1956

Deposit a granite rock, 3x3x2 inches, mkd. with a cross (x), at the base of the post.

Ascend 80 ft.

U. S. GOVERNMENT PRINTING OFFICE 16—28320-2

Chains	
43.00	Spur, projects north for 3.00 chains, thence N. 20° E. Descend 360 ft. along a northwest slope.
54.00	Deep draw, drains N. 20° E. Ascend 320 ft.
62.00	Spur, projects N. 20° E. Descend 120 ft. along a northwest slope.
67.50	Draw, drains N.05° E. for about 7.00 chains then north. Ascend 180 ft. over a northeast slope.
76.48	Point for the corner of secs. 3 and 4, T. 35 S., R. 12 E. Over a cross (x) cut in solid sandstone, set an iron post 36 inches long, 1 inch in diameter, in a mound of stone, with brass cap mkd. T34S R12E S34 S4 | S3 T35S 1956 Ascend 40 ft.
77.50	Spur, projects N.05° W.
78.85	Point for the witness corner of secs. 33 and 34. Over a cross (x) cut in solid sandstone, set an iron post 36 inches long, 1 inch in diameter, in a mound of stone, with brass cap mkd. T34S R12E S33 | S34 S4 T35S 1956
80.00	True point for the corner of secs. 33 and 34 falls on the west slope of a large boulder where the corner cannot be perpetuated. Land, steep broken desert mountain land. Soil, sandy clay, with numerous sandstone and trachyte ledges, boulders and outcroppings. Timber, medium dense juniper and pinon. Undergrowth, sage brush, mountain rush, silver leaf and scant grass.

N. 89° 58' W. along the south boundary of sec. 33.

Over steep desert mountain land, through scattered juniper and pinon and scant undergrowth, descend 200 ft. along a northwest slope, changing to a north slope.

20.00	Spur, projects northwest for about 6.00 chains then N. 80° W. Descend 240 ft. over ledges facing to the west.
25.00	Head of draw, drains northwest for 2.00 chains, then west. Descend 430 ft. over a west slope.
36.48	Point for the ¼ sec. corner of sec. 4, T. 35 S., R. 12 E. Set an iron post 30 inches long, 2½ inches in diameter, 20 inches in the ground, with brass cap mkd. ¼ S4 1956 Raise a mound of stone, 3 ft. base and 2½ ft. high, west of post.

Chains	
	Descend 120 ft.
39.95	Point for the witness ¼ sec. corner of sec. 33.
	Set an iron post 30 inches long, 2½ inches in diameter, 20 inches in the ground, with brass cap mkd.
	WC ¼ S33 1956
	Raise a mound of stone, 3 ft. base 2 ft. high, north of the post.
40.00	True point for the ¼ sec. corner of sec. 33 falls on a sandstone boulder where the monument cannot be perpetuated.
	Descend 320 ft. over a west slope.
49.50	Recross draw, drains S. 60° W., descend 340 ft. along a southwest changing to a west slope.
71.50	Recross draw, drains N. 30° W. Ascend 30 ft.
76.48	Point for the corner of secs. 4 and 5; T. 35 S., R. 12 E.
	Set an iron post 30 inches long, 2½ inches in diameter, 12 inches in the ground, and in a mound of stone, with brass cap mkd.
	T34S S33 S5 | S4 T35S R12E 1956
	Deposit a sandstone rock 3x3x2 inches mkd. with a cross (x) at the base of the post.
80.00	Point for the corner of secs. 32 and 33.
	Set an iron post 30 inches long, 2½ inches in diameter, 6 inches in the ground, and in a mound of stone, with brass cap mkd.
	T34S R12E S32 | S33 S5 T35S R12E 1956
	Deposit a sandstone rock, 5x3x2 inches, mkd. with a cross (x), at the base of the post.
	Land, steep desert mountain land. Soil, sandy clay, with sandstone and trachyte, ledges and outcroppings. Timber, scattered juniper and pinon. Undergrowth, black brush, mountain rush and scant grass.

	N. 89° 58' W. along the south boundary of sec. 32.
	Over rolling desert land, through scattered juniper and pinon, and scant undergrowth. Descend 160 ft. over a west slope.
31.00	Draw, drains north. Ascend 60 ft.
36.48	Point for the ¼ sec. corner of sec. 5, T. 35 S., R. 12 E.

U. S. GOVERNMENT PRINTING OFFICE 16—29580-2

Survey of the South Boundary of Township 34 South, Range 12 East

Chains	
	Set an iron post 30 inches long, 2½ inches in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S5 1956
	Deposit a sandstone rock, 4x3x2 inches, mkd. with a cross (x), at the base of the post.
40.00	Point for the ¼ sec. corner of sec. 32 on a spur projecting north.
	Set an iron post 30 inches long, 2½ inches in diameter, 8 inches in the ground to solid rock, with brass cap mkd.
	¼ S32 1956
	Deposit a sandstone rock, 4x4x4 inches, mkd. with a cross (x), at the base of the post.
	Descend 160 ft. over a west slope.
55.00	Small draw, drains north.
67.50	Draw, drains N. 20° E.
76.48	Point for the corner of secs. 5 and 6, T. 35 S., R. 12 E.
	Set an iron post, 30 inches long, 2½ inches in diameter, 20 inches in the ground, with brass cap mkd.
	T34S R12E S32 S6 | S5 T35S R12E 1956
	Raise a mound of stone, 3 ft. base 2½ ft. high, west of the post.
80.00	Point for the corner of secs. 31 and 32.
	Set an iron post 30 inches long, 2½ inches in diameter, 12 inches in the ground, and in a mound of stone, with brass cap mkd.
	T34S R12E S31 | S32 S6 T35S R12E 1956
	Deposit charcoal at the base of the post.
	Land, rolling desert land. Soil, sandy clay, with sandstone boulders and outcroppings. Timber, scattered juniper and pinon. Undergrowth, black brush, mountain rush and medium dense grass.
	N. 89° 58' W. along the south bdy. of sec. 31.
	Over rolling desert land, through widely scattered juniper and scant undergrowth.
	Descend 80 ft. over a west slope.
18.00	Narrow draw, drains north, thence over rolling land.

Chains	
34.00	Sandstone draw, drains N. 20° E. Ascend 40 ft.
36.48	Point for the ¼ sec. corner of sec. 6, T. 35 S., R. 12 E. Set an iron post 30 inches long, 2½ inches in diameter, 20 inches in the ground, with brass cap mkd. ¼ S6 1956 Raise a mound of stone, 3½ ft. base 3½ ft. high, north of the post.
40.00	Point for the ¼ sec. corner of sec. 31. Set an iron post, 30 inches long, 2½ inches in diameter, 20 inches in the ground, with brass cap mkd. ¼ S31 1956 Raise a mound of stone, 3½ ft. base 3 ft. high, north of the post.
58.70	Wash, 12 lks. wide, drains northeast.
64.50	Old dirt road, bears northeast and southwest.
67.90	New dirt road, bears N. 30° E. and S. 30° W. Ascend 130 ft. over a southeast slope.
76.48	The corner of Townships 34 and 35 South, Ranges 11 and 12 East. Marked by an iron post 2½ inches in diameter, conforming to the record. Land, rolling desert land. Soil, sandy loam, with some sandstone outcroppings. Timber, widely scattered juniper. Undergrowth, black brush, mountain rush and medium dense gama grass.

Survey of a portion of the East Boundary of Township 34 South, Range 12 East

Beginning at the southeast corner of T. 34 S., R. 12 E.

Thence:

North, along the east boundary of sec. 36.

Over broken desert land, through widely scattered juniper and pinon, and scant undergrowth. Ascend 145 ft.

10.90	Spur ridge, projects N. 70° W. to saddle. Descend 200 ft. over a broken north slope.
24.50	Deep draw, drains N. 80° E. Ascend 160 ft. over a southeast slope.
40.00	Point for the ¼ sec. corner of sec. 36. Set an iron post, 36 inches long, 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. ¼ S36 1956

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

Survey of a portion of the East Boundary of Township 34 South, Range 12 East

Chains	
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x), at the base of the post.
	Ascend 40 ft.
44.00	Spur, projects northeast, descend 560 ft. over a broken ledgy north changing to northwest slope.
65.00	South fork of Swett Creek, drains northeast for 5.00 chains then east. Ascend 320 ft. over a broken south slope.
80.00	Point for the corner of secs. 25 and 36 falls on sandstone slick rock sloping steeply to the south, where the monument cannot be perpetuated.
	Land, broken desert land. Soil, sandy clay, with barren sandstone slick rock and ledges. Timber, widely scattered juniper. Undergrowth, scattered black brush, bitter brush, mountain rush and grass.

North along the east bdy. of sec. 25.

Over broken desert land, through widely scattered juniper, and scant undergrowth.

Ascend 100 ft.

4.00	Point for the witness corner of secs. 25 and 36.
	Set an iron post, 36 inches long, 1 inch in diameter, 6 inches in the ground, and in a mound of stone, with brass cap mkd.

T34S
R12E | R13E
S25
S36

Deposit a sandstone rock, 4x4x1 inches, mkd. with a cross (x) at the base of the post.

9.00	Spur ridge, projects S. 80° E. Descend 220 ft. over a north slope.
32.00	Draw, drains N. 50° E. Ascend 100 ft. over a southeast slope.
40.00	Point for the ¼ sec. corner of sec. 25.
	Set an iron post 36 inches long, 1 inch in diameter, 8 inches in the ground, to solid rock, with brass cap mkd.

¼
S25
1956

Deposit a sandstone rock 3x3x2 inches mkd. with a cross (x) at the base of the post.

Descend 100 ft. over a north slope.

65.53	On the south rim of Swett Creek, cement a brass tablet 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with brass cap mkd.

T34S
R12E R13E
W | P
S25
1956

Survey of a portion of the East Boundary of Township 34 South, Range 12 East

Chains	
	Raise a mound of stone, 4 ft. base 3 ft. high, west of the post. Descend 650 ft. over a series of verticle ledges.
80.00	Point for the corner of secs. 24 and 25 falls on the face of a ledge where the monument cannot be perpetuated.
	Land, broken desert land. Soil, sandy loam, with sandstone ledges and outcroppings. Timber, scattered juniper. Undergrowth, scattered black brush, bitter brush, mountain rush, and scant grass.
	North along the east side of sec. 24.
	Over broken desert land through widely scattered juniper and scant undergrowth. Descend 240 ft. over a series of ledges.
10.00	Bottom of fork of Swett Creek, drains N. 25° E. Ascend 200 ft.
19.00	Spur, projects northeast for 9.00 chains to forks of canyon. Descend 200 ft.
26.02	True point for the original ¼ section corner of section 24 falls upon steeply sloping sandstone ledge.
26.50	Swett Creek drains S. 85° E. 8.50 chains to junction with previous fork. Ascend 360 ft. over a broken south slope.
35.36	The witness ¼ sec. corner of secs. 19 and 24, marked by an iron post, 1 inch in diameter conforming to the record.
	Land, broken desert land. Soil, sandy loam, with ledges and barren sandstone outcrops. Timber, widely scattered juniper. Undergrowth, black brush, mountain rush and scant grass.

Survey of the Subdivision of Township 34 South, Range 12 East

	Beginning at the corner of secs. 35 and 36 on the south boundary of the township.
	Thence:
	N. 0° 01' W. between secs. 35 and 36.
	Over broken desert mountain land, through scattered juniper, and scant undergrowth. Descend 200 ft. over a northwest slope.
12.50	Draw, drains N. 60° E. Ascend 200 ft. over a southeast slope.
22.50	Spur, projects N. 60° E. Descend 80 ft.
27.00	Draw, 5.00 from head, drains N. 20° E. Descend 60 ft. along an east changing to north slope.
40.00	Point for the ¼ sec. corner of secs. 35 and 36 falls on the face of a sandstone ledge where the corner cannot be perpetuated.
	Descend 160 ft. over a broken north slope.
42.00	Swett Creek drains N. 75° E. Ascend 100 ft. over a broken south slope.

U. S. GOVERNMENT PRINTING OFFICE 16—26580-2

Survey of the Subdivision of Township 34 South, Range 12 East.

Chains	
46.75	Point for the witness ¼ sec. corner of secs. 35 and 36.
	Over a cross (x) cut in solid sandstone, set an iron post 36 inches long, 1 inch in diameter, in a mound of stone, with brass cap mkd.
	¼ WC S35 | S36 1956
	Ascend 220 ft. along a south slope.
58.50	Spur projects northeast. Descend 90 ft. along an east slope.
80.00	Point for the corner of secs. 25, 26, 35 and 36.
	Set an iron post 36 inches long, 1 inch in diameter, 18 inches in the ground and in a mound of stone, with brass cap mkd.
	T34S R12E S26 | S25 S35 | S36 1956
	Deposit a sandstone rock 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Land, broken desert mountain land. Soil, sandy loam, with sandstone outcroppings, ledges and boulders. Timber, scattered juniper and pinon. Undergrowth, black brush, bitter brush, mountain rush and medium grass.

	Beginning at the true point for the corner of secs. 25, 30, 31 and 36, on the east boundary of the township.
	Thence:
	N. 89° 57' W. between secs. 25 and 36.
	Over broken desert land through scattered juniper and pinon, and scant undergrowth. Ascend 80 ft. along a steep south slope of barren sandstone.
10.00	North edge of sandstone knoll. Ascend 170 ft. over an east changing to north slope.
40.05	Point for the ¼ sec. corner of secs. 25 and 36, falls on a ledge sloping steeply to the north, where the corner cannot be perpetuated.
	Ascend 80 ft. along a broken north slope.
60.00	Over rolling land sloping to the east.
80.10	The corner of secs. 25, 26, 35 and 36.
	Land, broken desert land. Soil, sandy loam, with barren sandstone outcrops. Timber, scattered patches of juniper and pinon. Undergrowth, scattered patches of black brush, bitter brush, mountain rush, and grass.

	Beginning at the true point for the cor. of secs. 33 and 34 on the south boundary of the township.
	Thence:

Chains	
	N. 0° 02' W. between secs. 33 and 34.
	Over broken desert mountain land, through medium dense juniper and pinon, and medium undergrowth. Descend 1320 ft. over a ledgy broken north slope.
40.00	Point for the ¼ sec. corner of secs. 33 and 34.
	Set an iron post 36 inches long, 1 inch in diameter, 8 inches in the ground to solid rock, with brass cap mkd.
	¼ S33 | S34 1956
	Deposit a trachyte rock 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Descend 300 ft. over a northeast slope.
45.00	Large draw N. 40° W. Ascend 80 ft. along a west slope.
60.80	Rim of ledges faces southwest, along a broken west slope of barren sandstone.
80.00	Point for the corner of secs. 27, 28, 33 and 34, falls in a crevice where the corner cannot be perpetuated.
	Land, broken desert mountain land. Soil, sandy clay, with sandstone and trachyte boulders, ledges and outcrops. Timber, medium dense juniper and pinon. Undergrowth, scattered patches of black brush, bitter brush, silver leaf and grass.
	N. 0° 02' W. between secs. 27 and 28.
	Over broken desert mountain land, through medium dense juniper and pinon and scattered patches of undergrowth.
.25	Point for the witness corner of secs. 27, 28, 33 and 34.
	On a sandstone knob, cement a brass tablet 3½ inches in diameter, with a 3 inch stem in a hole drilled in solid sandstone, with brass cap mkd.
	T34S R12E W C S28 | S27 S33 | S34 1956
	Raise a collar of stone around the tablet.
	Descend 160 ft. along a north changing to northwest slope.
25.00	Spur, projects northwest, descend 200 ft. along a northeast slope.
40.00	Point for the ¼ sec. corner of secs. 27 and 28.
	Set an iron post 30 inches long, 2½ inches in diameter, 10 inches in the ground, and in a mound of stone, with brass cap mkd.
	¼ S28 | S27 1956

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

Survey of the Subdivision of Township 34 South, Range 12 East

Descend 200 ft. over a broken northeast changing to northwest slope.

60.00 Draw, drains N. 60° W. Ascend 220 ft. over a series of sandstone ribs and knobs.

80.00 Point for the corner of secs. 21, 22, 27 and 28 falls on the slope of a sandstone knob where the corner cannot be perpetuated. Therefore,

At a point 1.95 chains east, over a cross (x) cut in solid sandstone, set an iron post 36 inches long, 1 inch in diameter, in a mound of stone, with brass cap mkd.

T34S R12E
S21 | S22 WC
S28 | S27
1956

Land, broken desert mountain land.
Soil, sandy clay, with sandstone and trachyte boulders, ledges and outcrops.
Timber, medium dense juniper and pinon.
Undergrowth, scattered patches of black brush, bitter brush, silver leaf and grass.

N. 0° 02' W. between secs. 21 and 22.

Over broken desert land, through scattered juniper and scant undergrowth. Descend 230 ft. over broken sandstone slick rock.

14.00 Milk Creek drains N. 20° E. for 4 chains, then east for 8 chains, then N. 15° W. Ascend 110 ft. over rolling desert land.

40.00 Point for the ¼ sec. corner of secs. 21 and 22.

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

¼
S21 | S22
1956

No accessories available.

42.00 Spur, projects northeast. Descend 100 ft. over a north slope.

54.00 Draw, drains N. 60° E. 10.50 chains to junction with Gold Creek

64.30 Gold Creek, drains southeast. Ascend 120 ft.

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

Set an iron post 36 inches long, 1 inch in diameter, 12 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.

T34S R12E
S16 | S15
S21 | S22
1956

Deposit a sandstone rock 4x3x2 inches mkd. with a cross (x), at the base of the post.

	Land, broken and rolling desert land. Soil, sandy loam and sand, with sandstone outcrops. Timber, widely scattered juniper. Undergrowth, scattered black brush, mountain rush, grass and weeds.
	N. 0° 02' W. between secs. 15 and 16.
	Over rolling desert land, through widely scattered dwarf juniper and scant undergrowth. Descend 240 ft. over rolling desert land.
40.00	Point for the ¼ sec. corner of secs. 15 and 16.
	Set an iron post 30 inches long, 2½ inches in diameter, 24 inches in the ground, with brass cap mkd. ¼ S16 | S15 1956
	No accessories available.
	Descend 40 ft.
64.50	Large draw, drains northeast. Ascend 80 ft.
80.00	Point for the corner of secs. 9, 10, 15 and 16.
	Set an iron post 30 inches long, 2½ inches in diameter, 24 inches in the ground, with brass cap mkd. T34S R12E S 9 | S10 S16 | S15 1956
	No accessories available.
	Land, rolling desert land. Soil, sand to sandy loam. Timber, widely scattered dwarf juniper. Undergrowth, scattered black brush, mountain rush, grass and weeds.
	N. 0° 02' W. between secs. 9 and 10.
	Over rolling desert land, through widely scattered juniper and scant undergrowth. Ascend 60 ft.
15.00	Spur, projects N. 60° E. Descend 100 ft.
24.50	Draw 1.50 chains east of junction of 2 draws, drains east. Ascend 60 ft.
40.00	Point for the ¼ sec. corner of secs. 9 and 10.
	Over a cross (x) cut in solid sandstone, set an iron post 30 inches long, 2½ inches in diameter, in a mound of stone, with brass cap mkd. ¼ S 9 | S10 1956
	Ascend 250 ft. over a south changing to east slope.
68.00	Spur projects east. Descend 140 ft. over a northeast slope.

Chains	
80.00	Point for the corner of secs. 3, 4, 9 and 10. Set an iron post 30 inches long, 2½ inches in diameter, 22 inches in the ground, with brass cap mkd. T34S R12E S 4 | S 3 S 9 | S10 1956 Raise a mound of stone 3 ft. base, 3½ ft. high west of the post. Land, rolling desert land. Soil, sandy loam, with sandstone outcrops. Timber, widely scattered dwarf juniper. Undergrowth, scattered patches of black brush, mountain rush, grass and weeds.
	N. 0° 14' W. between secs. 3 and 4. Ascend 280 ft. over a southeast slope.
20.00	Spur, projects N. 70° E. Descend 120 ft.
35.20	Trail Canyon, drains N. 80° E. Ascend 40 ft.
40.00	Point for the ¼ sec. corner of secs. 3 and 4. Over a cross (x) cut in solid sandstone, set an iron post 30 inches long, 2½ inches in diameter, in a mound of stone, with brass cap mkd. ¼ S4 | S3 1956 Corner is located on a spur projecting N. 75° E. Descend 100 ft. over a north slope.
45.00	Draw, drains N. 70° E. Ascend 140 ft. over a southeast slope.
57.00	Spur, projects S. 80° E. Descend 80 ft. over a northeast slope.
60.50	Draw, drains S. 80° E. Ascend 120 ft. over a southeast slope.
66.77	True point for the corner of secs. 3, 4, 33 and 34, on the north boundary of the township, which is witnessed West 1.15 chains distant by an iron post 2 inches in diameter, conforming to the record. Land, rolling and broken desert land. Soil, sandy loam, with sandstone ledges and outcrops. Timber, widely scattered dwarf juniper. Undergrowth, scattered growth of black brush, mountain rush, grass and weeds.
	Beginning at the corner of secs. 3, 4, 9 and 10. Thence: S. 89° 58' E. between secs. 3 and 10. Over rolling desert mountain land, sloping to the east, through widely scattered juniper and scant undergrowth, along a gentle east slope.

Chains

40.00 Point for the ¼ sec. corner of secs. 3 and 10.

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

¼ S3
S10
1956

Deposit a sandstone rock 4x3x2 inches mkd. with a cross (x), at the base of the post.

Continue over rolling land. Descend 40 ft.

80.00 Point for the corner of secs. 2, 3, 10 and 11.

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

T34S R12E
S 3 | S 2
S10 | S11
1956

Deposit a sandstone rock 5x3x2 inches mkd. with a cross (x), at the base of the post.

Land, rolling desert land.
Soil, sand, and sandy loam.
Timber, widely scattered dwarf juniper.
Undergrowth, scant black brush, mountain rush, grass and weeds.

S. 89° 58' E. between secs. 2 and 11.

Over rolling desert land, sloping gently to the east, through widely scattered dwarf juniper and scant undergrowth.

40.00 Point for the ¼ sec. corner of secs. 1, 2, 11 and 12.

Set an iron post 30 inches long, 2½ inches in diameter, 16 inches in the ground, and in a mound of stone, with brass cap mkd.

¼ S 2
S11
1956

Deposit a sandstone rock 3x3x2 inches, mkd. with a cross (x), at the base of the post.

77.00 Descend 180 ft. over a broken east slope.

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

Cement a brass tablet 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd.

T34S R12E
S 2 | S 1
S11 | S12
1956

No accessories available.

Land, rolling desert land.
Soil, sandy loam, with barren sandstone.
Timber, widely scattered dwarf juniper.
Undergrowth, scattered black brush, mountain rush, weeds and grass.

Survey of the Subdivision of Township 34 South, Range 12 East

Chains	
	N. 0° 01' W. between secs. 1 and 2.
	Over broken desert land, through scant undergrowth. Descend 200 ft. over a broken northeast slope.
12.00	Draw, drains S. 30° E. Ascend 140 ft. over a southwest slope.
21.50	Spur, projects southeast. Descend 160 ft. over a northeast slope.
37.00	Draw, drains S. 30° E. Ascend 40 ft.
40.00	Point for the ¼ sec. corner of secs. 1 and 2.
	Over a cross (x) cut in solid sandstone, set an iron post 30 inches long, 2½ inches in diameter, in a mound of stone, with brass cap mkd. ¼ S2 | S1 1956
	Ascend 240 ft. over a broken southwest slope.
55.00	Top of steep ascent; thence over rolling south slope.
66.69	The corner of secs. 1, 2, 35 and 36 on the north boundary of the township mkd. by an iron post 2 inches in diameter, conforming to the record.
	Land, broken desert land. Soil, sandy loam and barren sandstone. Timber, none. Undergrowth, black brush, mountain rush, weeds and scant grass.

	Beginning at the corner of secs. 2, 3, 10 and 11.
	Thence:
	N. 0° 11' W. between secs. 2 and 3.
	Over rolling desert land, no timber and scant undergrowth.
40.00	Point for the ¼ sec. corner of secs. 2 and 3.
	Set an iron post 30 inches long, 2½ inches in diameter, 22 inches in the ground, with brass cap mkd. ¼ S3 | S2 1956
	Raise a mound of stone 3 ft. base, 2½ ft. high, west of the post.
66.55	The corner of secs. 2, 3, 34 and 35 on the north boundary of the township, mkd. by an iron post 2 inches in diameter conforming to the record.
	Land, gently rolling desert land. Soil, sandy loam. Timber, none. Undergrowth, scattered black brush, mountain rush, scant grass and weeds.

	Beginning at the corner of secs. 15, 16, 21 and 22.
	Thence:

Chains	
	N. 89° 58' W. between secs. 16 and 21.
	Over rolling desert land, sloping gently to the east, over medium dense undergrowth. Ascend 50 ft. along a south slope.
40.00	Point for the ¼ sec. corner of secs. 16 and 21.
	Set an iron post 36 inches long, 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S16 / S21 / 1956
	Deposit a sandstone rock 4x4x2 inches, mkd. with a cross (x), at the base of the post.
	Ascend 100 ft. over rolling land, sloping gently to the east, changing to a north slope.
80.00	Point for the corner of secs. 16, 17, 20 and 21.
	Set an iron post 30 inches long, 2½ inches in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T34S R12E / S17 | S16 / S20 | S21 / 1956
	Deposit a sandstone rock 3x3x2 inches, mkd. with a cross (x), at the base of the post.
	Land, rolling desert. Soil, sandy loam. Timber, none. Undergrowth, medium dense black brush, mountain rush, weeds and grass.
	N. 0° 03' W. between secs. 16 and 17.
	Over rolling desert land, through medium dense undergrowth. Descend 120 ft. over a north slope.
5.00	Draw, drains east. Ascend 120 ft. over a south slope.
11.00	Spur, projects N. 80° E. Descend 250 ft. over a north slope.
35.50	Draw, drains N. 70° E. Ascend 40 ft. over a southeast slope.
40.00	Point for the ¼ sec. corner of secs. 16 and 17.
	Set an iron post 30 inches long, 2½ inches in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	S17 | S16 / 1956
	Deposit a sandstone rock 5x5x1 inches, mkd. with a cross (x) at the base of the post.
	Along a gentle east slope.
57.20	Draw, drains east.

Chains	
76.00	Draw, drains N. 75° E.
80.00	Point for the corner of secs. 8, 9, 16 and 17.
	Set an iron post 30 inches long, 2½ inches in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T34S R12E S 8 | S 9 S17 | S16 1956
	Deposit a sandstone rock 3x3x2 inches, mkd. with a cross (x), at the base of the post.
	Land, rolling desert. Soil, sandy loam. Timber, none. Undergrowth, medium dense black brush, mountain rush and scant grass.

	Beginning at the corner of secs. 9, 10, 15 and 16.
	Thence:
	N. 89° 59' W. between secs. 9 and 16.
	Over rolling desert sloping gently to the east, through scant undergrowth. Ascend 120 ft.
22.00	Top of sand dune, projects N. 20° E. for about 10.00 chains and S. 20° W. the same. Descend 40 ft. over a west slope.
40.00	Point for the ¼ sec. corner of secs. 9 and 16.
	Set an iron post 30 inches long, 2½ inches in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S 9 S16 1956
	Deposit a sandstone rock 4x4x1 inches, mkd. with a cross (x), at the base of the post.
74.50	Draw, drains N. 70° E.
80.00	The corner of secs. 8, 9, 16 and 17.
	Land, rolling desert. Soil, sand to sandy loam. Timber, none. Undergrowth, scattered black brush, mountain rush and scant grass.

	Beginning at the corner of secs. 32 and 33, on the south boundary of the township.
	Thence:
	N. 0° 03' W. between secs. 32 and 33.
	Over broken desert mountain land, through medium dense juniper and pinon, and medium dense undergrowth. Descend 75 ft. along a west slope.

Chains	
9.00	Draw, drains N. 30° W. Ascend 40 ft.
12.00	White sandstone knoll. Descend 110 ft. along a west slope.
20.00	Draw, drains N. 35° W.
27.50	Draw, drains northwest 4.00 chains into previous draw.
40.00	Point for the ¼ sec. corner of secs. 32 and 33.
	Set an iron post 36 inches long, 1 inch in diameter, 14 inches in the ground, to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S32 | S33 1956
	Deposit a sandstone rock 5x3x2 inches, mkd. with a cross (x), at the base of the post.
42.30	Draw, drains northwest. Ascend 95 ft.
45.40	Red sandstone spur, projects N. 70° W. Descend 120 ft. along a west slope.
60.00	Draw, drains west for 6.50 chains then northwest.
70.10	Draw, drains west for 7.00 chains then curves to the northwest.
74.20	Unimproved bulldozed road, bears east and west.
80.00	Point for the corner of secs. 28, 29, 32 and 33.
	Set an iron post 36 inches long, 1 inch in diameter, 24 inches in the ground, with brass cap mkd.
	T34S R12E S29 | S28 S32 | S33 1956
	Raise a mound of stone 3 ft. base, 2½ ft. high, west of the post.
	Land, broken desert mountain. Soil, sandy with barren sandstone. Timber, medium dense the first ½ mile, scattered juniper and pinon the balance. Undergrowth, medium dense black brush, mountain rush and grass.

	Beginning at the true point for the corner of secs. 27, 28, 33 and 34.
	Thence:
	N. 89° 57' W. between secs. 28 and 33.
	Over rolling desert land, through scattered juniper and pinon, and scant undergrowth. Descend 205 ft. over a broken west slope.
6.20	Draw, drains north. Ascend 140 ft. over a northeast slope.
8.50	Spur, projects N. 10° W. Descend 140 ft. over a west slope.
10.50	Draw, drains N. 30° W. Ascend 40 ft. along a northeast slope.

Survey of the Subdivision of Township 34 South, Range 12 East

Chains	
17.20	Spur, projects N. 15° W. Descend 120 ft. along a west slope.
20.50	Draw, drains northwest. Ascend 40 ft. along a north slope.
30.40	Spur, projects northwest. Descend 60 ft. over northwest slope.
36.20	Draw, drains N. 20° W.
37.90	Point for the witness ¼ sec. corner of secs. 28 and 33. Set an iron post 36 inches long, 1 inch in diameter, 24 inches in the ground, with brass cap mkd. ¼ S28 / S33 / 1956 Raise a mound of stone 3 ft. base, 2½ ft. high, north of the post.
40.00	True point for the ¼ sec. corner of secs. 28 and 33 falls on the face of a sandstone ledge where the corner cannot be perpetuated. Ascend 160 ft. over a broken northeast slope.
47.50	Rim of mesa, bears northwest and southeast.
53.00	Rim of mesa, bears north and south. Descend 350 ft. over a west slope.
79.00	Draw, drains N. 20° W.
80.00	The corner of secs. 28, 29, 32 and 33. Land, rolling and broken desert. Soil, sandy loam and barren sandstone. Timber, scattered juniper and pinon. Undergrowth, scant black brush, bitter brush, mountain rush, silver leaf and grass.

Beginning at the corner of secs. 31 and 32, on the south boundary of the township.

Thence:

N. 0° 03' W. between secs. 31 and 32.

Over rolling desert, through widely scattered juniper and scant undergrowth. Descend 60 ft. over a gentle north slope.

40.00	Point for the ¼ sec. corner of secs. 31 and 32. Set an iron post 30 inches long, 2½ inches in diameter, 12 inches in the ground, to solid rock, and in a mound of stone, with brass cap mkd. ¼ / S31 | S32 / 1956 Deposit charcoal at the base of the post.
61.00	Wash, 10 lks. wide, drains N. 70° E. Descend 120 ft. over a north slope.
80.00	Point for the corner of secs. 29, 30, 31 and 32. Set an iron post 30 inches long, 2½ inches in diameter, 24 inches

Chains	
	in the ground, with brass cap mkd.
	T34S R12E S30 | S29 S31 | S32 1956
	Deposit charcoal at the base of the post.
	Land, rolling desert. Soil, sandy loam. Timber, widely scattered juniper. Undergrowth, medium dense black brush, mountain rush, and scant grass.

	Beginning at the corner of secs. 28, 29, 32 and 33.
	Thence:
	N. 89° 59' W. between secs. 29 and 32.
	Over rolling desert through widely scattered juniper and pinon, and scant undergrowth. Descend 60 ft.
17.00	Wash, 17 lks. wide, drains N. 05° W.
27.40	Unimproved bulldozed road, bears S. 35° E. and N. 35° W.
35.80	Wash, 10 lks. wide, bears N. 25° W.
39.99	Point for the ¼ sec. corner of secs. 29 and 32.
	Set an iron post 30 inches long, 2½ inches in diameter, 24 inches in the ground, with brass cap mkd.
	¼ S29 S32 1956
	Deposit charcoal at the base of the post.
47.70	Wash, 75 lks. wide, drains N. 10° E.
55.50	Wash, 23 lks. wide, drains N. 30° E. Ascend 60 ft. over a southeast slope.
60.10	Spur, projects N. 25° E. Descend 90 ft. over a northwest slope.
70.10	Wash, drains N. 60° E.
78.80	Recross wash, drains southeast.
79.98	The corner of secs. 29, 30, 31 and 32.
	Land, rolling desert. Soil, sandy and gravel. Timber, widely scattered juniper and pinon. Undergrowth, medium dense black brush, mountain rush and grass.

	N. 89° 58' W. between secs. 30 and 31.
	Over rolling desert, through widely scattered juniper and scant undergrowth.

Survey of the Subdivision of Township 34 South, Range 12 East

Chains	
2.00	Wash, 22 lks. wide, drains N. 80° E. from the south. Ascend 30 ft.
5.60	Sandstone ledge, faces southeast.
24.00	Wash, 20 lks. wide, drains S. 85° E.
27.50	Same wash, drains northeast.
29.50	Improved dirt road, bears N. 35° E. and S. 35° W.
32.30	Same wash, drains S. 15° E.
40.00	Point for the ¼ sec. corner of secs. 30 and 31.
	Set an iron post 30 inches long, 2½ inches in diameter, 12 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S30 / S31 / 1956
	Deposit charcoal at the base of the post.
41.80	Recross wash, drains N. 80° E. from S. 70° W.
48.00	Start ascent of white sandstone ledges facing S. 80° E. Ascend 80 ft.
54.70	Top of bench, bears northeast and southwest. Enter medium dense juniper.
72.70	Wash, 24 lks. wide, drains N.
76.36	The corner of secs. 25, 30, 31 and 36, on the west boundary of the township, marked by an iron post conforming to the record.
	Land, rolling desert. Soil, sandy loam, with sandstone outcrops. Timber, scattered juniper and pinon. Undergrowth, medium dense black brush, mountain rush, and grass.

General Description

The land in the township varies from the high mountains in the south to rolling desert in the north and west. The east portion is broken desert cut by numerous steep sided and box canyons. The drainage of the township is all to the east into tributaries of the Colorado River which is about 6 miles east of the township. The elevation varies from about 7300 ft. along the north slope of Mt. Holmes to about 4100 ft. in the bottom of Swett Canyon. The soil is principally a sandy clay loam. There is a medium dense growth of juniper and pinon in the south with scattered juniper and pinon in the east, west and north. The undergrowth is mainly black brush and gramma grass with lesser amounts of mountain rush, yellow brush, bitter brush and weeds. There are no habitations in the township. A considerable amount of prospecting for fissionable minerals has been, and to some extent is still being carried on in the area. This township is not accessible by motor vehicle.

Section and quarter-section corners on the north 3½ miles of the East boundary of the township are set for Rs. 12 and 13 E., but function only as corners of R. 13 E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dean J. Allen	Principal Assistant
Bobby L. Porter	Chainman
Allen L. Reyes	Rodman
E. Rand Burr	Cornerman
Walter B. Hill	Axeman
Neil R. Forsyth	Principal Assistant
Paige L. Cannon	Chainman
Dalen S. Elliott	Flagman
Henry E. Pedersen	Axeman
Richard R. Torgeson	Axeman
Torgeson Porter	Cornerman

10—83565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell and Kenneth D. Witt, hereby certify upon honor, that in pursuance of special instructions bearing date of the 5th day of March, I have surveyed the south boundary, a portion of the east boundary and a portion of the subdivision of T. 3 S., R. 12 E.

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.

June 14, 1957

Salt Lake City, Utah

Kenneth D. Witt, Cartographic Surveyor

Fred R. Chappell, Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., ... 19..

The foregoing field notes of the survey of

executed by

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 survey is ..... is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—68868-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 5th day of March, I have supervised the survey of the south boundary, a portion of the east boundary and a portion of the subdivision of T. 34 S., R. 12 E.

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

June 14, 1957
Salt Lake City, Utah

Robert C. Yundt
Cadastral Surveyer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., AUG 21 1957, 19

The foregoing field notes of the survey of the south boundary, a portion of the east boundary and a portion of the subdivision of T. 34 S., R. 12 E.

executed by Fred R. Chappell and Kenneth D. Witt, under the supervision of Robert C. Yundt.
having been critically examined and found correct, are hereby approved.

Earl H. Hartman
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

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

Chief, Division of Cadastral Engineering

U. S. GOVERNMENT PRINTING OFFICE 16—55865-2

...979
...mber 1945)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Retracement of Portions of the North and East Boundaries

and a

Survey of a Portion of the South Boundary and Subdivision

of

Township 34 South, Range 13 East

Of the Salt Lake *Meridian,*

e State of Utah

EXECUTED BY

Kenneth D. Witt, Cartographic Survey Aid

Robert C. Yundt, Cadastral Engineer (Chief of Party)

r special instructions dated March 5, *19* 54, *which provided* supplemental special instructions dated March 23, 1955

e surveys included under Group No. 389, *approved* April 6, 1954 and April 19, 1955

ssignment instructions dated May 1, *19* 56

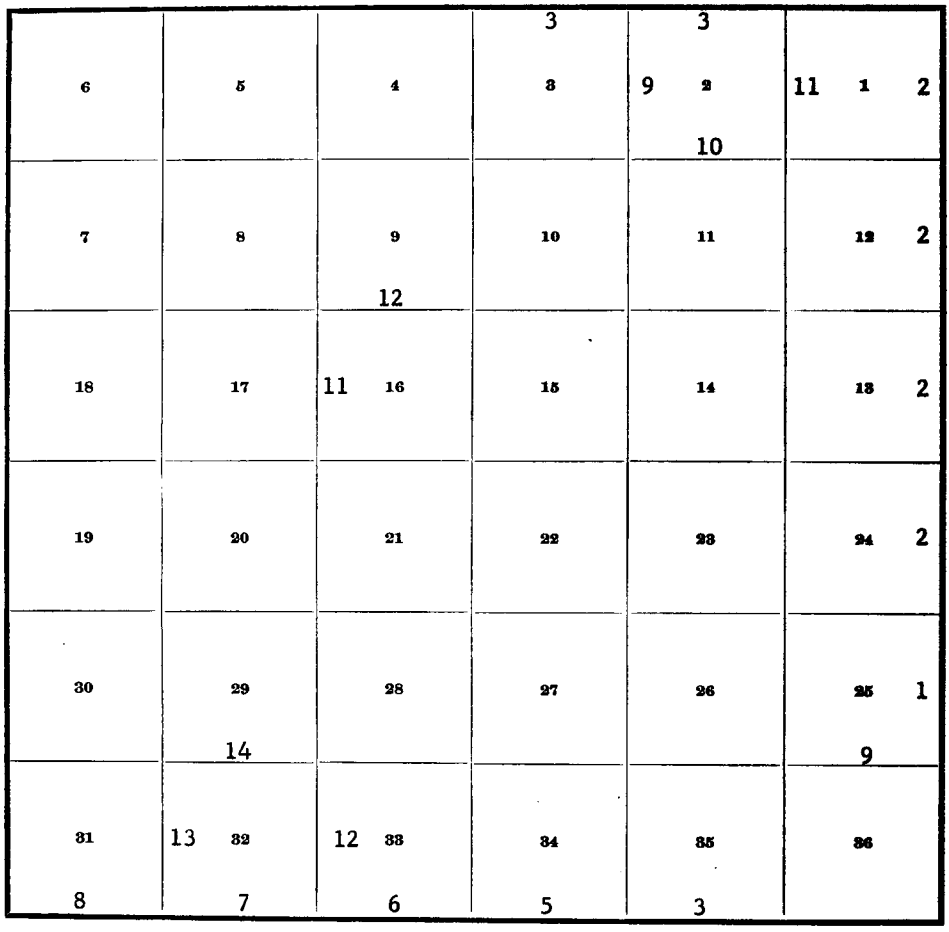
Survey commenced June 8, *19* 56

Survey completed July 25, *19* 56

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

INDEX DIAGRAM

Township 34 South, *Range* 13 East



16—66770-1

220

51

Township 34 South, Range 13 East

Chains

Portions of the north and west boundaries and subdivision of T. 34 S., R. 13 E. were surveyed by Elliot Bird and R. C. Yundt in 1923. The east boundary and portions of the north and south boundaries were surveyed by Cannon G. Parkinson in 1955. Part of the west boundary was surveyed by Fred R. Chappell under this group.

The following field notes are those of a retracement of portions of the north and east boundaries and an original survey of portions of the south boundary and subdivision considered sufficient in extent to facilitate the development of the natural resources and to identify the boundaries of those sections normally considered as State school land. The corners along the latitudinal lines were established on true latitudinal curves and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the entire township had been subdivided.

The survey was executed with Gurley solar transit No. 541327, property of the U. S. Bureau of Land Management and constructed in accordance with their standard specifications. The horizontal plate has two double verniers placed opposite to each other and graduated to 30 seconds of arc. The instrument has a full vertical circle with one double vernier graduated to single minutes of arc. It is equipped with improved type solar attachment. Since this solar attachment was not used, no description of it will be included here. The instrument was in good adjustment and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in proper adjustment throughout the survey.

The geographic position of the SE. cor. of the township, determined from ties made to U. S. Geological Survey Station "Gauge", is as follows: Latitude 37° 47' 53.843" N., Longitude 110° 25' 14.149" W. The mean magnetic declination was found to be 15° East.

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

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

Retracement of a Portion of the East Boundary of T. 34 S., R. 13 E.

This retracement is being made to bring the closing error within allowable limits.

Beginning at the cor. of secs. 25 and 36, on the E. bdy. of the township, mkd. by an iron post, 2½ ins. diam., conforming to the record.

Chains	
	Thence
	N. 0° 03' W., along the E. bdy. of sec. 25.
39.90	The original ¼ sec. cor. of sec. 25, mkd. by an iron post conforming to the record.
	N. 0° 01' W., beginning new measurement.
39.98	The cor. of secs. 24 and 25, mkd. by an iron post conforming to the record.
	N. 0° 03' E., along the E. bdy. of sec. 24.
39.91	The original ¼ sec. cor. of sec. 24, mkd. by an iron post conforming to the record.
	N. 0° 05' W., beginning new measurement.
39.98	The cor. of secs. 13 and 24, mkd. by an iron post conforming to the record.
	N. 0° 03' W., along the E. bdy. of sec. 13.
39.91	The original ¼ sec. cor. of sec. 13, mkd. by an iron post conforming to the record.
	N. 0° 02' W., beginning new measurement.
39.49	The original cor. of secs. 12 and 13, mkd. by an iron post conforming to the record.
	North, along the E. bdy. of sec. 12.
13.44	The original closing cor. of Ts. 33 & 34 S., R. 14 E., mkd. by an iron post conforming to the record.
39.82	The original witness ¼ sec. cor. of sec. 12, mkd. by an iron post conforming to the record.
40.02	True point for ¼ sec. cor. of sec. 12.
	North, beginning new measurement.
39.93	The original cor. of secs. 1 and 12, mkd. by an iron post, conforming to the record.
	North, along the E. bdy. of sec. 1.
40.12	The original ¼ sec. cor. of sec. 1, mkd. by an iron post conforming to the record.
	N. 0° 31' W., beginning new measurement.
41.24	The original closing cor. of Ts. 34 S., Rs. 13 and 14 E., mkd. by an iron post conforming to the record.
	From this point, the SE. cor. of T. 33 S., R. 13 E., bears East,

5.3

Retracement of a Portion of the East Boundary of T. 34 S., R. 13 E.

Chains	
	2.41 chs. dist., mkd. by an iron post conforming to the record.
	Retracement of a Portion of the South Boundary of T. 33 S., R. 13 E.
	Beginning at the cor. of secs. 35 and 36, on the S. bdy. of the township, mkd. by an iron post, conforming to the record.
	West, along the S. bdy. of sec. 35.
1.60	The witness closing cor. of secs. 1 and 2, T. 34 S., R. 13 E., hereinafter described.
2.41	True point for the closing cor. of secs. 1 and 2, T. 34 S., R. 13 E.
42.41	Point 40 chains west in departure from the closing cor. of secs. 1 and 2 and point for the ¼ sec. cor. of sec. 2, falls on the face of a sandstone ledge where the monument cannot be perpetuated.
43.23	Set a brass tablet, 3½ ins. diam., with a 3 inch stem, in a hole drilled into solid sandstone as a witness ¼ sec. cor. on the N. bdy. of sec. 2, and mkd. WC → ¼ S 2 1956
47.72	The original witness ¼ sec. cor. of sec. 35, mkd. by an iron post conforming to the record.
	Continue on same line with continuous measurement.
79.71	The original cor. of secs. 34 and 35, T. 33 S., R. 13 E., mkd. by an iron post conforming to the record.
	West, along the S. bdy. of sec. 34.
2.70	Point 160 chains west in departure from the closing cor. of Ts.34 S., Rs. 13 and 14 E., and true point for the cor. of secs. 2 and 3, falls on the edge of a sandstone ledge where the monument cannot be perpetuated.
2.76	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, as a witness cor. of secs. 2 and 3, with brass cap mkd. WC → T33S S3 | S2 T34S R13E 1956
40.00	The original ¼ sec. cor. of sec. 34, mkd. by an iron post conforming to the record,
	West, beginning new measurement.
40.65	The original cor. of secs. 3, 4, 33 and 34, mkd. by an iron post conforming to the record of the 1923 survey.
	Survey of a Portion of the South Boundary of T. 34 S., R. 13 E.
	Note: The closing cor. of T. 35 S., R. 13 E. and T. 34 S., R. 14 E. is located at a point 0.87 chs. West of the ¼ sec. cor. of sec. 36, T. 34 S., R. 13 E. and corners for T. 35 S., R. 13 E. are being set at regular intervals west of this closing corner along the S. bdy. of T. 34 S., R. 13 E.

Chains	
	Beginning at the cor. of secs. 35 and 36, on the S. bdy. of the township, mkd. by an iron post conforming to the record.
	West, along the S. bdy. of sec. 35.
	Over broken mesa land, through widely scattered timber and scant undergrowth.
0.87	Point for the ¼ sec. cor. on the N. bdy. of sec. 1, T. 35 S., R. 13 E. Over a cross (X) cut in solid surface rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.. ¼ S1 1956
	Asc. 180 ft. over SE. slope.
10.40	Top of flat mesa, edge bears N. and S.; continue over rolling top.
15.00	West edge of mesa, bears N. and S.; desc. 270 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of sec. 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., in large mound of stone, with brass cap mkd. ¼ S35 1956
	Deposit a sandstone rock, 3x4x4 ins. in diam., mkd. with a cross (X) at the base of the post.
40.87	Point for the cor. of secs. 1 and 2, T. 35 S., R. 13 E., over a cross (X) cut in solid rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. T34S S 35 S2 | S1 T35S R13E 1956
69.50	Ridge, bears N. and S.
71.20	Begin abrupt descent of 205 ft. along a SW. slope.
80.00	Point for the cor. of secs. 34 and 35, over a cross (X) cut in solid rock.
	Set an iron post, 30 ins. long, 2½ ins. in diam., in a large mound of stone, with brass cap mkd. T34S R13E S34 | S35 S 2 T35S 1956
	Land, rough and broken slopes. Soil, rocky clay loam. Timber, dwarf juniper. Undergrowth, shadscale, rabbit brush, and grass.

Survey of a Portion of the South Boundary of T. 34 S., R. 13 E.

Chains	
	West, along the S. bdy. of sec. 34.
	Over broken mesa, through widely scattered timber and scant undergrowth.
.70	Point for the witness ¼ sec. cor. of sec. 2, T. 35 S., R. 13 E.
	Over a cross (X) cut in solid surface rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.
	WC ¼ S2 1956
.87	True point for the ¼ sec. cor. on the N. bdy. of sec. 2, falls on the face of a ledge where the monument cannot be perpetuated.
	Desc. 800 ft. over sandstone ledges bearing NW. and SE.
40.00	Point for the ¼ sec. cor. of sec. 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	¼ S34 1956
	Deposit a sandstone rock, 4x3x3 ins. in diam., mkd. with a cross (X) at the base of the post.
40.87	Point for the cor. of secs. 2 and 3, T. 35 S., R. 13 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T34S S 34 S3 | S2 T35S R13E 1956
	Deposit broken glass at base of the iron post.
	Desc. 240 ft. along a broken NW. slope.
77.50	Point for the cor. of secs. 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground to solid rock, and in a mound of stone, mkd. for a witness cor., with brass cap mkd.
	T34S R13E S33 | S34 WC S 3 T35S R13E 1956
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the post.
80.00	Left bank of the Colorado River and true point for the cor. of secs. 33 and 34. This point is not safe for the perpetuation of the corner monument.
	Land, rough and broken sandstone ledges. Soil, rocky clay loam. Timber, dwarf juniper. Undergrowth, shadscale, rabbit brush, and grass.

Chains	
	West, along the S. bdy. of sec. 33.
	Crossing the Colorado River.
8.85	Right bank of the Colorado River, bears N. and S.
	Point for the meander cor. of secs. 3 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	T34S R13E S33 | MC S3 T35S 1956
	Deposit a sandstone rock, 5x4x3 ins. in diam., mkd. with a cross (X) at the base of the post.
	Asc. 280 ft. over an E. slope.
18.45	Sandstone ledge, about 30 ft. high, bears NE. and SW.
40.00	Point for the ¼ sec. cor. of sec. 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	¼ S33 1956
40.87	Point for the cor. of secs. 3 and 4, T. 35 S., R. 13 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	T34S R13E S33 S4 | S3 T35S R13E 1956
	Deposit broken glass at the base of the post.
48.00	Dry gulch, drains S. 10° E.
80.00	Point for the cor. of secs. 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	T34S R13E S32 | S33 S 4 T35S 1956
	Deposit a sandstone rock, 3x3x3 ins., mkd. with a cross (X) at the base of the post.

Survey of a portion of the South Boundary of T. 34 S., R. 13 E.

Chains	
	Land, rough and broken sandstone slopes. Soil, rocky clay loam. Timber, widely scattered juniper. Undergrowth, shadscale, rabbit brush, amole, and grass.
	West, along the S. bdy. of sec. 32.
	Over broken land, through widely scattered timber and scant undergrowth.
.87	Point for the ¼ sec. cor. of sec. 4, T. 35 S., R. 13 E., over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S4 1956 Deposit broken glass at base of the post.
	Continue along the N. side of Two Mile Canyon.
40.00	Point for the ¼ sec. cor. of sec. 32, over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S32 1956 Deposit a sandstone rock, 5x4x3 ins., mkd. with a cross (X) at the base of the post.
40.87	Point for the cor. of secs. 4 and 5, T. 35 S., R. 13 E., over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. T34S S32 S5 | S4 T35S R13E 1956 Deposit broken glass at the base of the post.
73.00	Canyon, drains S. 85° E.
80.00	The cor. of secs. 31 and 32, on the edge of a sandstone ledge bearing N. and S. Seat a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone and mkd. T34S R13E S31 | S32 5 1956 Raise a collar of stone around the monument.

Chains	
	Land, rough broken sandstone slopes. Soil, rocky clay loam. Timber, widely scattered juniper and pinon. Undergrowth, shadscale, rabbit brush, and grass.
	West, along the S. bdy. of sec. 31.
	Over mountainous land, through widely scattered timber and scant undergrowth.
.87	Point for the ¼ sec. cor. of sec. 5, T. 35 S., R. 13 E.
	Seat a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone, and mkd. ¼ S5 1956
	Raise a collar of stone around the monument.
	Asc. 200 ft. over a broken E. slope.
16.50	Sandstone rim, bears N. and S.; thence across broken bench.
25.50	W. edge of broken bench, bears N. and S.; desc. into canyon.
39.40	Bottom of canyon, drains SE.
40.00	Point for the ¼ sec. cor. of sec. 31, over a cross (X) cut in solid rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S31 1956
40.87	Point for the cor. of secs. 5 and 6, T. 35 S., R. 13 E., over a cross (X) cut in solid rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. T34S S 31 S6 | S5 T35S R13E 1956
76.65	Intersect the E. bdy. of T. 35 S., R. 12 E. at a point 15.02 chs. south of the NE. cor. of that township, which is mkd. by an iron post 2½ ins. diam. as described in the field notes of T. 35 S., R. 12 E.
	Point for the closing cor. of Ts. 34 and 35 S., R. 13 E.
	Seat a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled into solid sandstone and mkd. T34S | T35S R13E | R12E S31 | S1 S6 | T35S 1956
	Land, rough and broken mountain slopes. Soil, rocky clay loam. Timber, dwarf juniper and pinon.

Chains	
	Undergrowth, shadscale, rabbit brush, and grass.
	Portion of the Subdivision of T. 34 S., R. 13 E.
	Beginning at the cor. of secs. 25 and 36, on the E. bdy. of the township.
	S. 89° 53' W., bet. secs. 25 and 36.
	Over mountainous land, through widely scattered timber and scant undergrowth; asc. 120 ft. over NE. slope of Farley Canyon.
25.50	Spur, projects N.; desc. along a NW. slope.
34.50	Wash in Farley Canyon, drains SW.
38.50	Road, Utah State Highway No. 95, bears N. and S.
40.00	Point for the ¼ sec. cor. of secs. 25 and 36 on west side of wash draining NW.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	¼ S25 / S36 / 1956
	Raise a mound of stone N. of the corner.
45.26	Point for the witness meander 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.
	WMC | T34S / R13E / S25 / S36 / 1956
	Build a collar of stone around the monument.
45.36	True point for the meander cor. of secs. 25 and 36, on the left bank of the Colorado River, bears N. 10° E. and S. 10° W. Thence across river.
64.47	Meander corner on the right bank of the Colorado River, mkd. by an iron post, 1 in. diam., conforming to the record of the 1923 survey.
	Land, rolling hills. Soil, rocky clay loam. Timber, none. Undergrowth, greasewood, shadscale, and willows.
	From the true point for the cor. of secs. 2 and 3, on the N. bdy. of the township.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over mountainous land, through scattering timber and medium dense undergrowth.
6.50	Gulch, 2 chs. wide, 40 ft. deep, drains NW.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	¼ S3 | S2 1956
	Deposit a sandstone rock, 3x3x3 ins., mkd. with a cross (X) at the base of the post.
48.00	N. rim of a deep draw, bears S. 50° W. and N. 50° E.
56.50	Bottom of draw, drains S. 50° W.
65.20	S. rim of canyon, bears E. and W.
80.00	Point for the cor. of secs. 2, 3, 10 and 11, over a cross (X) cut in solid rock.
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, with brass cap mkd.
	T34S R13 E S 3 | S 2 S10 | S11 1956
	Land, rough and broken mountain slopes. Soil, sandy to rocky clay loam. Timber, dwarf juniper. Undergrowth, shadscale, bitterbrush, and grass.
	East, bet. secs. 2 and 11.
	Over mountainous land, through medium dense undergrowth, over a series of sandstone knobs and crevices.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11, falls on the face of a sandstone knob, where the monument cannot be perpetuated.
42.21	Point for the witness ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	¼ ← S 2 S11 1956 WC
	Deposit a sandstone rock, 5x4x4 ins., mkd. with a cross (X) at the base of the post.
49.10	Leave barren sandstone and enter a rocky flat.
80.00	Point for the cor. of secs. 1, 2, 11 and 12, over a cross (X) cut in solid surface rock.
	Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, with brass cap mkd.
	T34S R13E S2 | S1 S11 | S12 1956
	Land, rough and broken mountain slopes. Soil, sandy to rocky clay loam. Timber, none. Undergrowth, shadscale, bitterbrush, and grass.

Chains	
	N. 0° 08' E., bet. secs. 1 and 2.
	Over broken mesa, through widely scattered timber and medium dense undergrowth.
23.00	Edge of mesa, bears NW. and SE.
40.00	The true point for the ¼ sec. cor. of secs. 1 and 2, falls on the inaccessible face of a high cliff; therefore
	At a point .76 chs. N. 9° 50' W., on the slope of a sandstone spur, projects E., point for the witness ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	W C ¼ S2 | S1 1956
	Desc. 600 ft. over a N. slope to the cor.
80.00	Intersect the N. bdy. of the township, at a point 2.41 chs. W. of the cor. of secs. 35 and 36, hereinbefore described.
	The point of intersection falls on steeply sloping sandstone where the monument cannot be erected; therefore
	At a point 81 lks. E., point for the witness closing cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T33S WC S2 | S1 C C T34S R13E 1956
	Land, nearly level in the south and rough and broken in the north. Soil, rocky clay loam. Timber, dwarf juniper and pinon. Undergrowth, shadscale, bitterbrush, and grass.
	From the cor. of secs. 16, 17, 20 and 21, mkd. by an iron post conforming to the record of the 1923 survey.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over rolling land, through medium dense undergrowth; asc. along a gentle S. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17, over a cross (X) cut in solid surface rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.
	¼ S17 | S16 1956

Chains	
56.60	Rim of draw, bears SW. and NE.; desc. 200 ft. along a NW. slope.
64.90	Bottom of draw, drains SW.; asc. 200 ft. along a SE. slope.
69.20	N. rim of draw, bears NE. and SW.; continue over rolling land.
80.00	Point for the cor. of secs. 8, 9, 16 and 17, over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. T34S R13E S8 | S9 S17 | S16 1956 Land, broken bench. Soil, sandy to gravelly clay loam. Timber, dwarf juniper. Undergrowth, sagebrush, bitterbrush, and grass.

From the cor. of secs. 9, 10, 15 and 16, mkd. by an iron post conforming to the record of the 1923 survey.

S. 89° 56' W., bet. secs. 9 and 16.

Over rolling land, through scattering timber and medium dense undergrowth; asc. an E. slope.

Chains	
10.70	Spur, projects NE.
36.90	Rim of canyon, bears N. and S.; desc. along a broken NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 16, over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S 9 S16 1956 Continue descent along a NW. slope.
61.60	Draw, drains SW.; asc. along a SE. slope.
70.00	W. rim of draw, bears N. and S.; continue over rolling bench
80.00	The cor. of secs. 8, 9, 16 and 17. Land, rolling bench. Soil, sandy to rocky clay loam. Timber, dwarf juniper. Undergrowth, sagebrush, shadscale, bitterbrush, and grass.

From the cor. of secs. 32 and 33, on the S. bdy. of the township.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land, through widely scattered timber and medium dense undergrowth; asc. 800 ft. over S. slope.

Portion of the Subdivision of T. 34 S., R. 13 E.

Chains	
30.00	N. rim of Two Mile Canyon, bears E. and W.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33, over a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S32 | S33 1956
73.10	Enter barren sandstone.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. T34S R13E S29 | S28 S32 | S33 1956
	Land, rough and broken mountain slopes. Soil, sandy to rocky clay loam. Timber, dwarf juniper and pinon. Undergrowth, sagebrush, rabbit brush, and grass.
	From the cor. of secs. 31 and 32, on the S. bdy. of the township. N. 0° 03' W., bet. secs. 31 and 32. Over broken mesa land, through scattering timber and medium dense undergrowth.
4.50	S. rim of canyon, bears S. 30° E. and N. 30° W.; desc. along a broken NE. slope.
17.00	Bottom of canyon, drains S. 30° E.; asc. along a broken SW. slope over ledges.
29.50	N. rim of canyon, bears S. 40° E. and N. 40° W.; continue over broken land.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32, on a cross (X) cut in solid rock. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S31 | S32 1956
	Desc. along a broken N. slope.
80.00	True point for the cor. of secs. 29, 30, 31 and 32, falls on the edge of a sandstone shelf where the monument cannot be perpetuated.
80.10	Over a cross (X) cut in solid rock, point for the witness corner of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.

Portion of the Subdivision of T. 34 S., R. 13 E.

Chains	
	CORNER T34S R13E S30 | S29 S31 | S32 1956
	Land, rough and broken mountain slopes. Soil, rocky clay loam. Timber, dwarf juniper and pinon. Undergrowth, shadscale.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 58' W., bet. secs. 29 and 32.
	Over rolling land, through widely scattered timber and scant undergrowth; asc. 80 ft. over sandstone knobs.
7.20	Spur, projects S.; desc. 125 ft. over SW. slope.
40.06	Point for the ¼ sec. cor. of secs. 29 and 32, over a cross (X) cut in solid rock.
	Set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd. ¼ S29 S32 1956
	Asc. 90 ft. along a NE. slope.
66.70	Spur, projects N. 40° E.
80.12	True point for the cor. of secs. 29, 30, 31 and 32.
	Land, rolling and broken bench. Soil, gravelly to rocky clay loam. Timber, juniper and pinon. Undergrowth, shadscale and grass.
	Meander of the Left Bank of the Colorado River
	Beginning at the true point for the meander corner of secs. 25 and 36, on the left bank of the Colorado River, thence with meander of the left bank of the Colorado River downstream through sec. 36.
	S. 20° 31' W. 42.72 chs.
	S. 74° 57' W. 7.36 chs.
	S. 85° 45' W. 12.52 chs. The meander corner of secs. 35 and 36, mkd. by an iron post conforming to the record of the 1956 surveys.
	Land, level bottom land. Soil, sandy to rocky clay loam. Timber, cottonwood and willows. Undergrowth, milkweed.

65

Township 34 South, Range 13 East

Chains

General Description

The land within Township 34 South, Range 13 East is principally a broken mesa area with a general southern exposure and drainage towards the Colorado River which flows southwesterly in the extreme southeast corner of the township. The elevation of the township ranges from about 3500 feet above sea level in the lowest reaches of the canyon bottoms to a maximum of 5500 feet on the mesa area.

The soil is principally a light sandy clay with numerous sandstone outcroppings, covered with a short undergrowth of blackbrush, mountain rush, and cacti. A scattered growth of scrub juniper and pinon is found in the southwesterly portion of the township, especially along canyon rims.

The old settlement of Hite, Utah is located in section 35. There is one improved dirt road from Hite to Hanksville, Utah. There are a few trails and unimproved roads in the township.

The only water other than the Colorado River is a spring located in Trachyte Canyon in the southeast part of section 8. There probably are small intermittent seeps along the bottoms of canyons although not noted during the progress of this survey.

Considerable activity in prospecting was being carried on along these canyons during the progress of this survey.

Chains

Chains

CERTIFICATE OF CADASTRAL ENGINEER

68

I, Kenneth D. Witt, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 5th day of March 195
and supplemental special instructions dated March 23, 1955
I have ~~surveyed~~ retraced portions of the north and east boundaries and surveyed
portions of the south boundary and the subdivision of Township 34 South, Range 13
East

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

Salt Lake City, Utah

January 24, 1957

Kenneth D. Witt

Kenneth D. Witt
Cartographic Survey Aid

~~CERTIFICATE OF APPROVAL~~

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, *19*__

The foregoing field notes of the survey of _____

executed by _____

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

CERTIFICATE OF CADASTRAL ENGINEER

68

I, Kenneth D. Witt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5th day of March, 1954, and supplemental special instructions dated March 23, 1955 I have ~~surveyed~~ retraced portions of the north and east boundaries and surveyed portions of the south boundary and the subdivision of Township 34 South, Range 13 East

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

Salt Lake City, Utah

January 24, 1957

Kenneth D. Witt

Cartographic Survey Aid

~~CERTIFICATE OF APPROVAL~~

BUREAU OF LAND MANAGEMENT,

Washington, D. C., ..., *19*....

The foregoing field notes of the survey of .....

executed by .....

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—53866-3

69

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 5th day of March, 19[illegible], and supplemental special instructions dated March 23, 1955 I have ~~surveyed~~ supervised the retracement of portions of the north and east boundaries and the survey of portions of the south boundary and the subdivision of Township 34 South, Range 13 East

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed ~~by me and under my direction~~ 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 24, 1957

Robert C. Yundt

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 21 1957, *19*

The foregoing field notes of the ~~survey of~~ retracement of portions of the north and east boundaries and the survey of portions of the south boundary and the subdivision of Township 34 South, Range 13 East of the Salt Lake Meridian, Utah

executed by Kenneth D. Witt, under the supervision of Robert C. Yundt having been critically examined and found correct, are hereby approved.

Earl J. Harrington

Cadastral Engineering Staff Officer.

~~CERTIFICATE OF TRANSCRIPT~~

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

Cadastral Engineering Staff Officer

U. S. GOVERNMENT PRINTING OFFICE 16—[illegible]

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 SOUTH BOUNDARY

AND

A PORTION OF THE SUBDIVISION

AND

DEPENDENT RESURVEY OF A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 34 SOUTH, RANGE 13 EAST

Of the SALT LAKE *Meridian,*

e State of UTAH

EXECUTED BY

Cannon G. Parkinson----------Cartographic Survey Aid

r special instructions dated March 5, *1954, which provided*
supplemental special instructions dated March 23, 1955 April 6, 1954
he surveys included under Group No. 389, *approved* April 19, 1955

ssignment instructions dated March 30, *1955,* for Group 400, Utah.

Survey commenced July 25, *1955*

Survey completed August 9, *1955*

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

INDEX DIAGRAM

Township 34 South, *Range* 13 East

6	5	4	3	2	1 7
7	8	9	10	11	12 6
18	17	16	15	14	13 4
19	20	21	22	23	24 4
30	29	28	27	26	25 3
31	32	33	34	35	7 36 2 1

16—86770-1

2209

The East Bdy. and Portions of the South Bdy.
and Subdivision of T. 34 S., R. 13 E.

Chains

The W. 3 miles of the N. bdy. and the N. 3½ miles of the W. bdy. and a portion of the subdivision of Tp. 34 S., R. 13 E., were surveyed by E. Bird and R. Yundt in 1923.

The following field notes are those of the survey of the East Boundary and a portion of the South boundary and a portion of the subdivision and the dependent resurvey of a portion of the subdivisional lines of T. 34 S., R. 13 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with Buff and Buff solar transit number 23815 constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the south east corner of the Tp. as determined by traverse from U. S. G. S. triangulation station "MINE", situated in sec. 31, T. 33 S., R. 15 E. is Latitude 37° 47' 53.6" North, Longitude 110° 25' 15.0" West.

The magnetic declination was read at a number of stations throughout the Tp. and the average of the several readings was found to be 15° 00' E.

A Portion of the South Bdy., T. 34 S., R. 13 E.

Beginning at the point for the cor. of secs. 35 and 36, on the S. bdy. of the Tp., S. 0° 01' E., 80.00 chs. from the cor. of secs. 25, 26, 35, 36.

At the corner point

Set an iron post, 30 inches long, 2½ inches diam., 3 inches in the ground to bedrock with brass cap marked

T34SR13E
S35|S36
T35SR13E
1955

raise a mound of stone, 4 ft. base, around and to top of iron post.

S. Bdy., T. 34 S., R. 13 E.

Chains	
	From this cor., the cor. of secs. 25, 26, 35 and 36, bears N. 0° 01' W., 80.00 chs. dist., marked with an iron post, 2 inches diam., set, marked and witnessed as described in the official record of the survey of T. 34 S., R. 13 E., in 1923.
	East, along the S. bdy. of sec. 36.
	Over rough and mountainous land, desc. 60 ft. over broken top of mesa.
12.20	E. crest of high mesa, a vertical sandstone wall, about 150 ft. high, bears N. W. and S. E., desc. 690 ft. over cliff and steep broken talus N. E. slope.
40.00	Point for the ¼ sec. cor. of sec. 36.
	Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground with brass cap marked ¼ S36 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
	Desc. 130 ft. over broken land, draining northerly.
61.40	Bladed road, bears N. and S., desc. 40 ft.
73.70	Bladed road, bears N. W., on curve to S. W. and S., desc. 40 ft.
80.00	Point for the south east cor. of T. 34 S., R. 13 E.
	Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground with brass cap mkd. T34S R13E | R14E S36 1955 raise a mound of stone, 2 ft. base, around and to top of iron post.
	Land, rough and mountainous. Soil, shallow sand and shale. No timber.

E. Bdy., T. 34 S., R. 13 E.

	From the south east cor. of Tp. 34 S., R. 13 E., heretofore described.
	North, along the E. bdy. of sec. 36.
	Over broken land, desc. 100 ft. over N. slope.
14.60	S. rim of White Canyon, bears N. W. and S. E., desc. 180 ft. over ledges.
22.60	Wash, in the bottom of White Canyon, 1 ch. wide, 2 ft. deep, meanders N. W., asc. 180 ft. over ledges.
32.10	N. rim of White Canyon, bears N. 30° W. and S. E., thence over broken land, draining southwesterly.
40.00	Point for the ¼ sec. cor. of sec. 36.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the

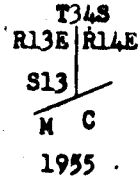
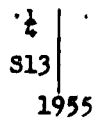
U. S. GOVERNMENT PRINTING OFFICE 16—28520-1

E. Bdy., T. 34 S., R. 13 E.

Chains	
	ground to bedrock with brass cap marked ¼ S36 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post. Asc. 110 ft. along broken S. W. slope.
58.30	Minor ridge, bears E. and W., desc. 150 ft. over N. slope.
74.60	S. crest of Farley Canyon, a ledge, about 40 ft. high, bears E. and W., desc. 150 ft. over ledge and steep N. slope.
79.50	Base of descent, bears E. and W.
80.00	Point for the cor. of secs. 25 and 36. Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the ground with brass cap marked T34S R13E | R14E S25 S36 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post. Land, broken. Soil, shallow sand and shale. No timber.
	North, along the E. bdy. of sec. 25. Over nearly level land in the Bottom of Farley Canyon.
0.40	Wash, in the bottom of Farley Canyon, 25 lks. wide, 2 ft. deep; course W., continue over nearly level land.
2.00	Utah State Highway No. 95, a bladed road, bears E. and W., asc. 230 ft. over steep S. slope and cliff.
6.10	N. crest of Farley Canyon, a cliff, about 70 ft. high, bears E. and W., continue ascent of 120 ft. over broken top of bench.
40.00	Point for the ¼ sec. cor. of sec. 25. Set an iron post, 30 inches long, 2½ inches diam., 15 inches in the ground with brass cap marked ¼ S25 1955 raise a mound of stone, 4 ft. base, around and to top of iron post. Asc. 70 ft. over rolling top of bench.
80.00	Point for the cor. of secs. 24 and 25. Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the ground with brass cap marked

Chains	
	T34S R13E | R14E S24 S25 1955 raise a mound of stone, 2½ ft. base, around and to top of iron post. Land, rolling and broken. Soil, shallow sand and shale. No timber.
	North, along the E. bdy. of sec. 24. Desc. 40 ft. over rolling top of bench.
22.40	Wash, 20 lks. wide, 1 ft. deep, course S. W., desc. 120 ft. along N. W. slope.
29.10	Wash, 40 lks. wide, 2 ft. deep, course W., asc. 100 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 24. Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground with brass cap marked ¼ S24 1955 raise a mound of stone, 2½ ft. base, around and to top of iron post. Continue over rolling top of bench, draining westerly.
74.90	N. crest of bench, a vertical sandstone wall, about 70 ft. high, bears N. E. and S. W., desc. 280 ft. over cliff and steep talus N. W. slope.
80.00	Point for the cor. of secs. 13 and 24. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground with brass cap marked T34S R13E | R14E S13 S24 1955 raise a mound of stone, 4 ft. base, around and to top of iron post. Land, rolling and broken. Soil, shallow sand and shale. No timber.
	North, along the E. bdy. of sec. 13. Desc. over slight N. slope.
5.72	Left bank of the Colorado River, 10 ft. high, bears N. E. and S. W. Point for the meander cor. of sec. 13. Set an iron post, 30 inches long, 2½ inches diam., 15 inches in the ground with brass cap marked

E. Bdy., T. 34 S., R. 13 E.

Chains	
	raise a mound of stone, 3 ft. base, around and to top of iron post.
6.70	Waters edge at low stage, 1 to 6 ft. deep, Colorado River, course S. W.
19.00	Waters edge, R. shore of the Colorado River.
19.90	Right bank of the Colorado River, 5 ft. high, bears N. E. and S. W.
	Point for the meander cor. of sec. 13
	Set an iron post, 30 inches long, 2½ inches diam., 20 inches in the ground with brass cap marked
	
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Asc. 40 ft. over nearly level land.
22.40	Utah State Highway No. 95, a bladed road, bears N. E. and S. W., asc. 40 ft. over slight E. slope.
28.00	Base of steep ascent, bears E. and W., asc. 460 ft. over steep S. slope and cliff.
34.20	S. crest of bench, a cliff, about 150 ft. high, bears N. E. and S. W., asc. 40 ft. over broken top of bench.
40.00	Point for the ¼ sec. cor. of sec. 13.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock with brass cap marked
	
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Asc. 50 ft. over broken top of bench.
45.40	Wash, 2 chs. wide, 10 ft. deep, course S. E.
51.60	Spur, slopes E., desc. 40 ft.
53.00	Wash, 2 chs. wide, 10 ft. deep, course E., asc. 60 ft. along S. E. slope.
77.60	Spur, slopes N. E., desc. 60 ft. over steep N. slope.
80.00	Point for the cor. of Secs. 12 and 13.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock with brass cap marked

Chains	
	T34S R13E | R14E S12 S13 | 1955 raise a mound of stone, 3 ft. base, around and to top of iron post. Land, broken and Colorado River bottom. Soil, sand and shale. Timber, scattered willows along River.
	North, along the E. bdy. of sec. 12.
	Desc. 40 ft. over broken top of bench, draining southeasterly.
0.90	Wash, 40 lks. wide, 4 ft. deep; course S. E., asc. 140 ft. over S. slope.
8.00	Spur, projects S. E., desc. 50 ft.
10.00	Wash, 20 lks. wide, 2 ft. deep, course S. E., asc. 120 ft. along S. W. slope to spur.
12.85	Point for the closing corner of Ts. 33 and 34 S., R. 14 E., an iron post, 2½ inches diam., described in the field notes of the survey of the N. bdy. of T. 34 S., R. 14 E.
13.70	Spur, projects S. E., desc. 60 ft. over N. slope.
15.40	Wash, 20 lks. wide, 2 ft. deep, course S. E., asc. 390 ft. along broken S. E. slope.
39.80	Point selected for the witness ¼ sec. cor. of sec. 12. Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked W.C. ¼ S12 | 1955 raise a mound of stone, 4 ft. base, around and to top of iron post.
40.00	Point for the ¼ sec. cor. of sec. 12, falls on steep slope, an unsafe place to monument the corner. Asc. 20 ft. along broken slope, draining sharply to E.
52.50	Spur, slopes sharply to E., from point of high mesa, about 10 chs. to W., desc. 360 ft. along broken slope draining easterly.
80.00	Point for the cor. of secs. 1 and 12. Set an iron post, 30 inches long, 2½ inches diam., over an (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post with brass cap marked T34S | T33S R13E | R14E S 1 S12 | 1955 Land, broken. Soil, shallow sand and shale. No timber.

E. Bdy., T. 34 S., R. 13 E.

Chains	
	North, along the E. bdy. of sec. 1.
	Base. 50 ft. over broken top of bench.
12.90	N. crest of bench, a vertical sandstone wall, about 70 ft. high, bears N. E. and S. W., desc. 590 ft. over cliff and steep talus slope.
25.10	Utah State Highway No. 95, a bladed road, bears N. W. and E., desc. 10 ft.
30.10	North Wash, 50 lks. wide, 3 ft. deep, course E., from N.
40.00	Point for the ¼ sec. cor. of sec. 1.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked ¼ S 1 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post.
46.00	Leave North Wash, drains from W., asc. 400 ft. over steep talus slope and cliff.
53.30	S. crest of bench, a cliff, about 50 ft. high, bears S. E. and N. W., asc. 310 ft. over S. slope.
76.40	Top of ascent, bears N. W. and S. E., desc. 30 ft. over slight N. slope.
83.05	Intersect the S. bdy. of T. 33 S., R. 13 E.
	At the point for the closing corner.
	Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground to bedrock with brass cap marked T33SR13E S36 S 1 | S30 T34S | T33S R13E | R14E C C 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
	From this closing corner, the south east cor. of T. 33 S., R. 13 E., bears East, 2.05 chs. dist., an iron post, 2½ inches diam., described in the field notes of the survey of the S. bdy. of T. 33 S., R. 13 E.
	Land, broken. Soil, shallow sand and rocky. No timber.

Dependent Resurvey, a Portion of the Subdivision of T. 34 S., R. 13 E.

Reestablishment of survey executed by R. Yundt and E. Bird in 1923.

Beginning at the cor. of secs. 25, 26, 35 and 36., set, marked, and witnessed as described in the official record of the 1923 survey.

S. 0° 01' E., bet. secs. 35 and 36.

Chains	
	Desc. 60 ft. over rolling land.
26.00	Bladed road, bears S. E. and N. W.
27.00	Utah State Highway No. 95, a bladed road, bears N. E. and S. W., thence over nearly level land.
33.96	Mean high water mark on the right bank of the Colorado River, bears N. E. and S. W.
	Point for the meander cor. of secs. 35 and 36, at record dist.; there is no remaining evidence of the original corner.
	At the corner point,
	Set an iron post, 30 inches long, 2½ inches diam., 24 inches in the sand with brass cap marked
	T34SR13E S35 | S36 M C 1955
	Thence with original survey, continue line and measurement.
35.00	Waters edge, right shore, at low stage, Colorado River, course S. W., on curve to W.
42.90	Waters edge, left shore.
43.00	Left bank of Colorado River, 6 ft. high, bears E. and W.
	Point for the meander cor. of secs. 35 and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock with brass cap marked
	M C S35 | S36 T34S | R13E 1955
	raise a mound of stone, 3 ft. base, around the iron post to top of post.
	Asc. 1400 ft. over ledges, talus slope and cliff.
77.60	N. crest of high, mesa, a cliff, about 200 ft. high, bears S. E. and N. W., thence over nearly level top of mesa.
80.00	Land, rolling in N., rough and mountainous in S. Soil, shallow sand and shale. No timber.

GENERAL DESCRIPTION.

The land within the township, consists of the broken breaks of Trachyte Canyon and the Colorado River, which consists of high sandstone ledges, cut by deep box canyons and gulches with perpendicular sandstone walls.

The township in general consists mostly of sandstone surface rock, but a shallow sandy loam soil is found on the tops of the broken mesas between the rims of the box canyons and gulches, and along

Chains

the bottom lands of Trachyte Canyon and the Colorado River. The only timber found was a few scattering scrub pinon and juniper in the south west portion of the township and scattering cottonwood and Black willow along the bottom lands of the Trachyte Canyon and the Colorado River.

Hite, Utah is located on the right bank of the Colorado River, in sec. 35. White Canyon, Utah, is located of the left bank of the Colorado River at the mouth of White Canyon and contains a small school and postoffice. A ferry operates between Hite and White Canyon to connect Utah State Highway No. 95, a road between Blanding, and Hanksville, Utah.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Hansen, Gerald W.	Chainman
Nielson, Clyde	Chainman
Swindle, Max E.	Flagman
Hanson, Paul D.	Cornerman
Geller, Earl	Axeman

16—58565-2

82

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor th
pursuance of special instructions bearing date of the 23rd day of March,
I have surveyed the east boundary, a portion of the south boundary and a portion
the subdivision and dependantly resurveyed a portion of the subdivision of T. 3
R. 13 E.

of the Salt Lake Meridian, in the State of Utah, whic
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 fo
Survey of the Public Lands of the United States, and in the specific manner described in the foreg
field notes.

February 7, 1955
Salt Lake City, Utah

Cannon G. Parkinson
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., MAR 27 1958, 19

The foregoing field notes of the survey of the east boundary, a portion of the south boundary and a portion of the subdivision and the dependent resurvey of a portion the subdivision of T. 34 S., R. 13 E., of the Salt Lake Meridian, Utah

executed by Cannon G. Parkinson
having been critically examined and found correct, are hereby approved.

Earl J. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

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

Chief, Division of Cadastral Engineering

U. S. GOVERNMENT PRINTING OFFICE 16—55505-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
~~GENERAL LAND OFFICE~~
BUREAU OF LAND MANAGEMENT
"B"

FIELD NOTES

RANGE LINE

THROUGH TOWNSHIP 35 SOUTH

AND

PORTION OF TOWNSHIP 34 SOUTH

BETWEEN

RANGES 14 AND 15 EAST

Of the Salt Lake *Meridian,*

the State of Utah

EXECUTED BY

ROBERT C. YUNDT, SURVEYOR,

nder special instructions dated August 31, 19[illegible], *which provided r the surveys included under Group No.* 215, *bearing the approval of the ommissioner of the General Land Office under date of* September 24, 1929, *nd assignment instructions dated* May 12, 1930, and supplemental ssignment instructions dated June 3, 1931.

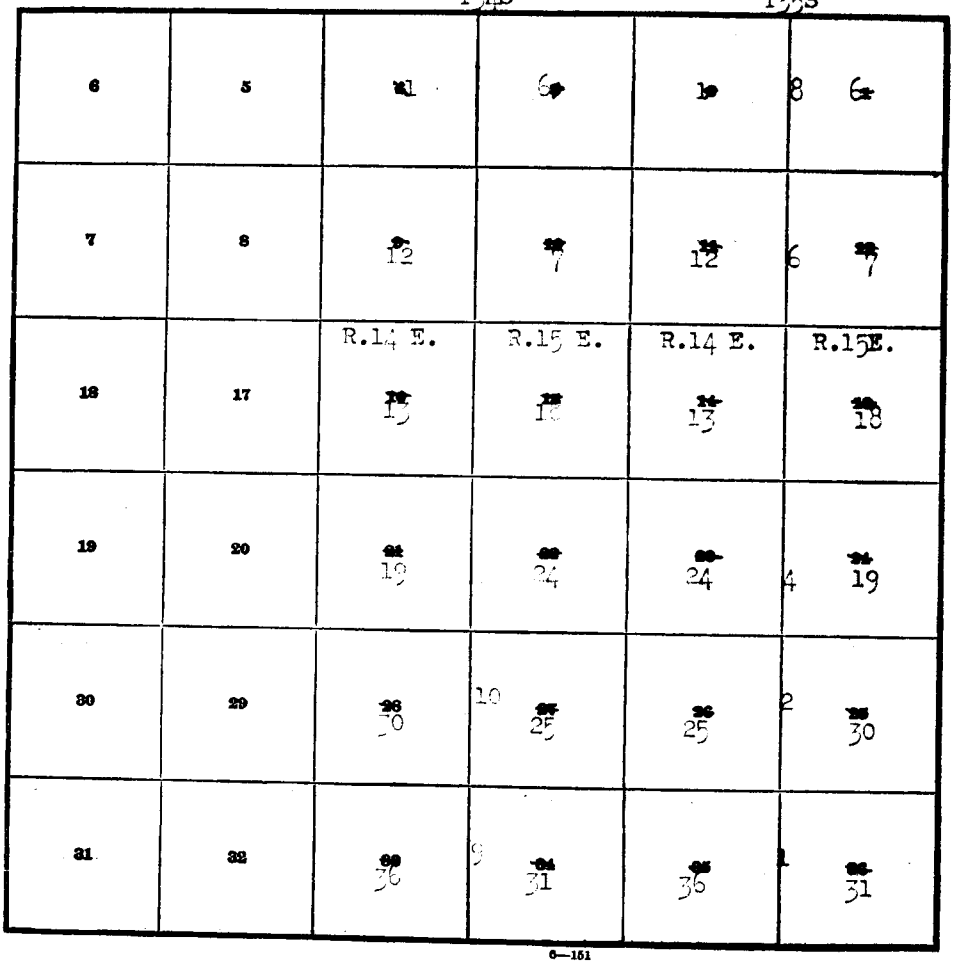
Survey commenced October 25, 1930.

Survey completed October 12, 1931.

U. S. GOVERNMENT PRINTING OFFICE 6—151

INDEX DIAGRAM.

Township ....., *Range* .....



		T34S		T35S	
6	5	1	6	1	8 6
7	8	12	7	12	6 7
18	17	R.14 E. 13	R.15 E. 18	R.14 E. 13	R.15E. 18
19	20	19	24	24	4 19
30	29	30	10 25	25	2 30
31	32	36	9 31	36	1 31

6—151

2455-2455
2435-2435

RANGE LINE, T. 35 S., BETWEEN RS. 14 AND 15 E.

Chains	
	This survey was commenced October 25th, 1930, and executed with Buff and Buff light mountain transit No.9797 equipped with Smith solar attachment and full vertical circle. The solar attachment of this transit was not used. All azimuths were determined by method of deflection angles and calculated courses, from altitude observations on the sun, and observations of Polaris at elongation, hereinafter recorded. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the cadastral engineer on May 12, 1930. I examined the instrumental adjustments before making the observations hereinafter recorded. The measurements were made with a Lallie steel ribbon 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 Lufkin standard steel tape 1 chain long and found correct. The measurements were made on the slope, the vertical angle determined with clinometers in good condition, and the slope measurement properly reduced to true horizontal distances which appear in these notes. The data furnished with the special instructions gives the geographic position of the standard corner of Ts. 35 S., Rs. 14 and 15 E. as follows: latitude 37°41'N., longitude 110°19'W. October 25, 1930, at the standard corner of Ts. 35 S., Rs. 14 and 15 E., latitude 37°41'N., longitude 110°19'W., at 5h 21.6m a.m. l.m.t., or 5h 42.7m a.m. by my watch which reads correct 105th meridian time as determined by radio signals. I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point on a peg driven firmly in the ground 10 chains N. After sunrise I lay off the azimuth of Polaris 1°21' and make a meridian mark on second peg, to the east of the mean point in the line determined by observation; I verify the angle by three repetitions. Thence North, bet. secs. 31 and 36, along range line, T. 35 S., bet. Rs. 14 and 15 E. Over rough and broken land, through medium timber and undergrowth; descend 10 feet over NW. slope. Difference of measurement of 5.30 chains by two sets of chainmen is nothing.
5.30	Rim of canyon and top of sandstone ledge, 250 feet high, bears NE. and SW.; abrupt descent. Difference of measurment of 40.00 chains by two sets of chainmen is nothing.
40.00	On N. slope, 900 feet below rim of canyon. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for ¼ sec. cor. with brass cap marked ¼ S36 | S31 1930 deposit a sandstone, 5x4x4 ins., marked X, at base of post.

Chains	
	Continue descent of 380 feet over broken N. slope.
	Difference of measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point
	By 1st set 80.01 chains, By 2nd set 79.99 chains, the mean of which is
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground to solid rock, and surrounded in a mound of stone to the top, for the corner of secs. 25, 30, 31, and 36, with brass cap marked T35S R14E R15E S25 | S30 S36 | S31 1930 deposit a sandstone, 4x4x4 ins., marked X, at base of post.
	Land, rough and broken. Soil, loose sandy loam, with exposed sandstone surface rock; 3rd rate. Timber, juniper and pinon. Undergrowth, blackbrush, amole plant and mountain rush. Fair grazing.
	North, bet. secs. 25 and 30.
	Over rough and broken land, scattering undergrowth; descend 25 feet.
2.30	Wash in bottom of canyon, 6 feet deep, and 20 links wide, course S.45°W.; ascend SE. slope 155 feet to ¼ sec. cor.
	Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point is
	By 1st set 39.99 chains, By 2nd set 40.01 chains, the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for ¼ sec. corner, with brass cap marked ¼ S25 | S30 1930 deposit a sandstone, 5x5x3 ins., marked X, at base of post.
	Continue ascent of 10 30 feet over broken slopes and ledges.
63.20	Top of sandstone ledge, 100 feet high, bears E. and W.
	Continue ascent of 205 feet over S. slope. Enter timber bearing E. and W.
	Difference of measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point
	By 1st set 79.99 chains, By 2nd set 80.01 chains, the mean of which is
80.00	Set a sandstone, 26x14x10 ins., over X, cut in solid

Chains	
	surface sandstone, marked T35S R15E on NE. face, R14E on NW. face, 4 notches on N. edge and 2 notches on S. edge, and surrounded to the top in a mound of stone, for the corner of secs. 19, 24, 25, and 30, from which
	A juniper, 3 ins. diam., bears N.88°45'E., 51 lks. dist., marked BT
	A juniper, 3 ins. diam., bears S.56°00'E., 50 lks. dist., marked BT
	A juniper, 3 ins. diam., bears N.42°15'W., 35 lks. dist., marked BT
	No 2 inch iron post available for this corner.
	Land, rough and broken; general drainage SW. Soil, sandy loam, clay, shale and exposed sandstone; 3rd rate. Timber, scattering juniper and pinon. Undergrowth, blackbrush and mountain rush. Fair grazing.
	North, bet. secs. 19 and 24.
	Over rough and broken land, through medium timber and undergrowth; ascend 100 feet over S. slope.
3.00	Top of rocky spur, slopes SW.; descend 240 feet over NW. slope.
	Difference of measurement of 40.00 chains by two sets of chainmen is 7 links; position of middle point
	By 1st set 40.035 chains, By 2nd set 39.965 chains, the mean of which is
40.00	On NW. slope.
	Set a sandstone, 24x18x6 ins., marked ¼ on W. face, 3 ins. in the ground to solid rock, and surrounded by a mound of stone, for the ¼ sec. corner, from which
	A juniper, 3 ins. diam., bears N.30°00'E., 43 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.20°15'W., 30 lks. dist., marked BT
	No 1 inch iron post available.
	Continue descent of 30 feet.
46.40	Draw, course S.45°W.; ascend 140 feet over SW. slope.
56.10	Rocky spur, slopes S.45°W.; descend 80 feet over NW. slope.
70.00	Draw, course S.60°W.; ascend 80 ft.
73.90	Spur, slopes S.80°W.
	Difference of measurement of 76.50 chains by two sets of chainmen is 1 link; position of middle point
	By 1st set 76.505 chains, By 2nd set 76.495 chains, the mean of which is

Chains

76.50 On rim of canyon, 200 ft. high, bears NE. and SW.

Set a sandstone, 28x10x8 ins., over X, cut in solid surface rock, and surrounded to the top in a mound of stone, for the witness corner of secs. 13, 18, 19, and 24, marked T35S R15E on NE. face, and WC R14E on NW face, 3 notches on the south edge and 3 notches on north edge, from which

A pinon, 3 ins. diam., bears S.8°45'E., 58 lks. dist., marked BT

A pinon, 4 ins. diam., bears S.25°30'W., 52 lks. dist., marked BT.; too scrubby for other marks.

No 2 inch iron post available.

Abrupt descent over ledges.

80.00 True point for the corner of secs. 13, 18, 19, and 24, falls on sloping rim of canyon, where it is impracticable to set corner monument.

Land, rough and broken; general drainage and exposure SW.
Soil, loose sandy loam, clay, shale and exposed sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth; blackbrush, amole plant and mountain rush.
Fair grazing.

From the true point for the corner of secs. 13, 18, 19, and 24.

North, bet. secs. 13 and 18.

Over rough and broken land, through medium undergrowth.

Abrupt descent, over ledges, and broken slope.

31.00 Sandstone rim of canyon, 30 feet high, bears NE.

35.00 Bottom of canyon, 1130 feet below witness sec. corner, drains SW.; ascend 150 ft. over ledges.

38.50 Sandstone rim, 30 feet high, bears NE. and SW.

Difference of measurement of 40.00 chains by two sets of chainmen is nothing.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the ¼ sec. corner, with brass cap marked

¼
S13 | 318
1930

from which

A juniper, 3 ins. diam., bears S.61°30'E., 180 lks. dist., marked BT

A juniper, 4 ins. diam., bears S.81°15'W., 77 lks. dist., marked BT. Too scrubby for other markings.

41.16 Top of spur, slopes SW; descend 100 feet to bottom of canyon.

49.80 Sandstone rim, 20 ft. high, bears NE. and SW.; descend rocky NW. slope.

Chains	
69.60	Bottom of canyon, course SW.; ascend 170 feet over S. slope to sec. corner.
	Leave timber, bearing NE. and SW.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	On rocky SW. slope.
	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the corner of secs. 7, 12, 13, and 18, with brass cap marked T35S R14E | R15E S12 | S7 S13 | S18 1931 deposit a sandstone, 8x6x5 ins.; marked X, at base of post.
	Land, rough and broken; general drainage SW. Soil, loose sandy loam, clay, shale and exposed sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, blackbrush, mountain rush and amole plant. Fair grazing.
	North, bet. secs. 7 and 12.
	Over rough and broken land, through medium dense undergrowth.
	Abrupt ascent.
21.50	Right rim of canyon, 250 feet high, 770 feet above sec. corner, bears NE. and SW.
	Enter scattering timber, bearing NE. and SW.; continue ascent of 30 feet.
27.00	Spur, projects SW.; descend 600 feet to sec. corner.
31.30	Left rim of canyon 250 feet high, bears NE. and SW.; descend steep rocky NW. slope.
	Leave timber, bearing NE. and SW.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded to the top in a mound of stone, for ¼ sec. corner, with brass cap marked ¼ S12 | S7 1931
	Continue descent of 480 feet to sec. corner.
48.20	Draw, drains W.
	Difference of measurement of 80.00 chains by two sets of chainmen is 4 links; position of middle point

RANGE LINE, T. 35 S., BETWEEN RS. 14 AND 15 E.

Chains

By 1st set 80.02 chains,
By 2nd set 79.98 chains, the mean of which is

80.00 On a steep rocky N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and surrounded to the top in a mound of stone, for the corner of secs. 1, 6, 7, and 12, with brass cap marked

T35S
R14E | R15E
S1 | S6
S12 | S7
1931

deposit a sandstone, 5x4x4 ins., marked X, at base of post.

Land, rough and broken.
Soil, loose sandy loam, clay, shale and exposed sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, blackbrush, mountain rush and amole plant.
Fair grazing.

North, bet. secs. 1 and 6.

Over rough and broken land, through medium undergrowth; descend 40 feet over rocky N. slope to bottom of canyon.

3.80 Draw, drains NW.

9.60 Small spur, slopes W.

24.60 Wash, in bottom of canyon, drains SW.; ascend 175 feet over rocky SW. slope.

38.20 Spur, slopes SW.; descend 70 feet over rocky NW. slope.

Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point

By 1st set 40.01 chains,
By 2nd set 39.99 chains, the mean of which is

40.00 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for ¼ sec. corner, with brass cap marked

¼
S1 | S6
1931

deposit a sandstone, 6x4x3 ins., marked X, at base of post.

Continue descent of 45 feet over rocky NW. slope.

48.50 Draw, drains SW.; ascend 75 feet

62.80 Clay spur, slopes SW.; descend 40 feet over NW. slope.

75.10 Draw, course SW.; ascend 35 feet over SW. slope.

Difference of measurement of 80.00 chains by two sets of chainmen is 10 links; position of middle point

By 1st set 80.05 chains,
By 2nd set 79.95 chains, the mean of which is

RANGE LINE, T. 35 S., BETWEEN RS. 14 AND 15 E.

Chains	
40.00	On top of spur, projecting SW. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the cor. of Ts. 34 and 35 S., Rs. 14 and 15 E., with brass cap marked T34S R14E | R15E S36 | S31 S1 | S6 T35S 1931 deposit a sandstone, 6x5x4 ins., marked X, at base of post. No other 3 inch iron post available. Land, broken and rough; general drainage SW. Soil, sandy loam, shale and clay, with exposed sandstone; 3rd rate. Timber, very scattering juniper. Undergrowth, blackbrush and mountain rush. Grazing good.

RANGE LINE, T. 34 S., BETWEEN RS. 14 AND 15 E.

From the corner of Ts. 34 and 35 S., Rs. 14 and 15 E.

North bet. secs. 31 and 36.

Over rough and broken land, through very scattering juniper and pinon, and medium endergrowth.

Descend NW. slope.

3.60	Draw, drains SW.; ascend 210 ft. over SW. slope.
15.20	Spur, slopes SW.; descend 10 ft.
26.80	Draw, drains SW.; ascend 150 feet.

Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point

By 1st set 40.01 chains,
By 2nd set 39.99 chains, the mean of which is

40.00	On top of spur, sloping SW..

Set an iron post, 3 ft. long, 1 in. diam., over X, cut in solid surface rock, and surrounded to the top in a mound of stone, for the ¼ sec. corner, with brass cap marked

¼
S36 \| S31
1931

Ascend 590 feet to sec. corner.

41.10	Draw, course SW.
46.50	Spur, slopes SW.
51.20	Draw, course SW.
58.00	Spur, slopes SW.

Chains

October 9, 1931: At this point, in order to verify the alinement of the Range Line, I make two altitude observations of the sun, for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angles from a flag on line to the south, and deflecting the angles to the left to the sun.

Observation	Telescope	Sun	Watch time	Vertical angle	Horizontal angle from flag to sun
1st	Direct	°	2h 38m	29° 56'	52°55'30"
	reversed	°	2h 39m	30° 18'	52°29'30"
Mean				30° 07'	52°41'40"
2nd	Direct	°	2h 41m	29° 31'	53°29'
	reversed	°	2h 42m	29° 54'	53°03'
Mean				29°42'30"	53°16'

By 1st observation flag bears South.
By 2nd observation flag bears South.

As the bearing of the range line is North, the observation indicates that the line has been carried forward acceptably.

80.10 Main draw, course SW.; ascend rocky SW. slope.

80.00 Sandstone rim, 150 feet high, bears E. and W.

Difference of measurement of 80.00 chains by two sets of chainmen is nothing.

80.00 On rocky S. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the corner of secs. 25, 30, 31, and 36, with brass cap marked

T34S
R14E | R15E
S25 | S30
S36 | S31
1931

from which

A juniper, 3 ins. diam., bears S.74°45'W., 96 lks. dist., marked BT. Too scrubby for other markings.

A juniper, 4 ins. diam., bears N.36°00'W., 176 lks. dist., marked BT. Too scrubby for other markings.

Land, rough and broken; general drainage SW.
Soil, sandy loam, with exposed surface sandstone; 3rd rate.
Timber, scattering juniper and pinon.
Undergrowth, blackbrush and mountain rush.
Fair grazing.

North, bet secs. 25 and 30.

Over rough and broken land, through scattering timber and medium undergrowth; ascend 160 feet over rocky S. slope.

Difference of measurement of 8.97 chains by two sets of chainmen is nothing.

RANGE LINE, T. 34 S., BETWEEN RS. 14 AND 15 E.

Chains	
8.97	Top of divide between drainage of Red Canyon and White Canyon, bears E. and W. Abrupt descent over sandstone rim, 250 feet high, and rocky NE. slope.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	On NE. slope, 860 feet below divide.
	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the ¼ sec. corner, with brass cap marked ¼ S25 | S30 1931 deposit a sandstone, 6x6x6 ins., marked X", at base of post.
	Descend 20 feet.
48.50	Draw, course NE.; ascend 20 feet.
53.00	Low ridge, bears NE. and SW.; descend 380 feet over rocky NE. slope
68.50	Red sandstone ledge, 30 feet high, bears NE. and SW.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the corner of secs. 19, 24, 25, and 30, with brass cap marked T34S R14E | R15E S24 | S19 S25 | S30 1931 from which
	A juniper, 3 ins. diam., bears S.52°15'E., 12 lks. dist., marked BT
	A juniper, 3 ins. diam., bears S.27°30'W., 67 lks. dist., marked BT
	No other suitable accessories available.
	Land, rough and broken; general drainage SW. Soil, loose sandy loam, clay, shale and exposed sandstone; 3rd rate. Timber, scattering juniper. Undergrowth, blackbrush and mountain rush. Fair grazing.
	Survey discontinued at this corner.

GENERAL DESCRIPTION

The land over which this range line passes is rough and broken, with high benches and ridges and steep slopes and deep canyons, forming the breaks of Red and White Canyons.

GENERAL DESCRIPTION

Chains	
	The soil is a loose sandy loam, 3rd rate; with some clay, shale and exposed sandstone. The benches and ridges are covered with a medium growth and the slopes and canyons bottoms with a scattering growth of juniper and pinon timber of no commercial value. The slopes and benches are covered with a medium growth of blackbrush, amole plant and mountain rush, with a medium growth of bunch grass, which affords good grazing for livestock where it is accessible. The only industry is livestock; the scarcity of water, and the roughness of the land, makes the carrying capacity very small. The only means of transportation is by saddle horse or pack horse. There were no settlers in the vicinity of this range line. There was no coal, oil, or other precious minerals noted during the survey. The nearest postoffice and supply point is Blanding, Utah, approximately sixty miles easterly.

U. S. GOVERNMENT PRINTING OFFICE 6—6186

4—680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Philander Maxwell	Chainman
Edgar Hayes	Chainman
John Pherson	Chainman
Charles Sleeper	Chainman
George Lyman	Flagman

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

I, Robert C. Yundt, Surveyor, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 31st day of August 192 received from the district cadastral engineer for Utah, with assignme instructions dated May 12, 1930, and June 3, 1931, I have surveyed the range line between Rs. 14 and 15 E., through T. 35 S., and south two miles through T. 34

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

Salt Lake City, Utah
May 6, 1939

Robert C. Yundt
Surveyor

CERTIFICATE OF APPROVAL

Office of Chief Cadastral Engineer,
~~Office of U.S. Surveyor General~~
Denver, Colo., November 13, 1946

The foregoing field notes of the survey of the range line between Rs. 14 and 15 E. T. 35 S., and S. 2 miles of T. 34 S.

executed by Robert C. Yundt, Surveyor
under special instructions dated August 31, 1928, and assignmen instructions dated May 12, 1930, and June 3, 1931, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

~~U.S. Surveyor General~~
Acting Chief Cadastral Engineer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in ....., is a true copy of the original field notes on file in the public survey office.

~~U.S. Surveyor of Surveys.~~

U. S. GOVERNMENT PRINTING OFFICE 1934 6—6412

ORIGINAL

97

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF THE

NORTH AND SOUTH BOUNDARIES

AND

PORTIONS OF THE EAST AND WEST BOUNDARIES

AND

A PORTION OF THE SUBDIVISIONAL LINES

OF

TOWNSHIP 34 SOUTH, RANGE 14 EAST

Of the SALT LAKE *Meridian,*

n the State of UTAH

EXECUTED BY

Cannon G. Parkinson ---------- Cartographic Survey Aid

George D. Voorhees ---------- Cartographer(Cadastral)

Inder special instructions dated March 17, *1955, which provided*

or the surveys included under Group No. 400, *approved* April 4, 1955

nd assignment instructions dated March 30, *19* 55

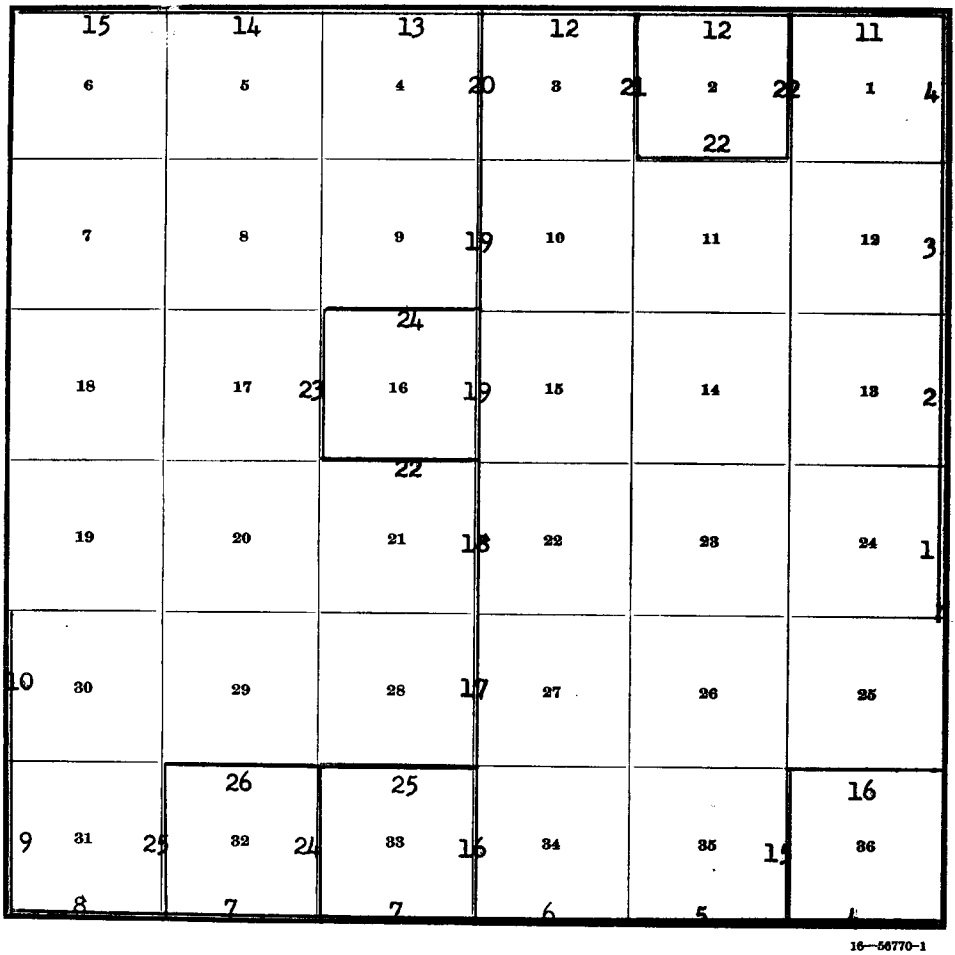
Survey commenced July 7, *19* 55

Survey completed August 23, *19* 55

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

INDEX DIAGRAM

Township 34 South, *Range* 14 East



——— Lines surveyed by Cannon G. Parkinson

——— Lines surveyed by George D. Voorhees

N. Bdy., S. Bdy., Portions of E. and W. Bdy.,
and Portion of Subdivision, T. 34 S., R. 14 E.

Chains

The south 2 miles of the East bdy. were surveyed by R. C. Yundt in 1931. A portion of the West bdy. of this Tp. was surveyed concurrently with the survey of this Tp. and is described in the field notes of the survey of the E. bdy. of T. 34 S., R. 13 E.

The following field notes are those of the survey of the North and South Boundaries and portions of the East and West Boundaries and a portion of the subdivision of T. 34 S., R. 14 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with Buff and Buff solar transit number 23815 constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the south east corner of the Tp. as determined by traverse from U. S. G. S. triangulation station "MINE", situated in sec. 31, T. 33 S., R. 15 E., is Latitude 37° 46' 17.1" N., Longitude 110° 19' 14.5" W.

The magnetic declination was read at a number of stations throughout the Tp. and the average of the several readings was found to be 15° 00' E.

A Portion of the East Bdy. of T. 34 S., R. 14 E.

Beginning at the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the Tp., marked by an iron post, 2 inches diam., set, marked, and witnessed as described in the official record of 1931 survey.

North, bet. secs. 19 and 24.

Over broken land, desc. 60 ft. over rocky N. slope.

2.00 Wash, 10 lks. wide, 1 ft. deep, course N. E., asc. 260 ft. over rocky S. E. slope.

10.00 Rocky ridge, bears S. W. and N., along line.

Chains	
27.00	Leave ridge, bears to N. E., desc. 250 ft. along rocky N. slope.
33.00	Utah State Highway No. 95, a bladed road, bears N. W. and S. E., desc. 10 ft.
38.50	Wash, 15 lks. wide, 2 ft. deep, course W., thence over rolling land with considerable exposed sandstone.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the ground with brass cap marked ¼ S24 | S19 1955
	raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post
	Desc. 20 ft. over rolling land.
55.50	Wash, 15 lks. wide, 1 ft. deep, course N. W.
80.00	Point for the cor. of secs. 13, 18, 19, and 24.
	Cement an iron post, 12 inches long, 1 inch diam., 6 inches in a dri hole in sandstone surface with brass cap marked T34S R14E R15E S13 | S18 S24 | S19 1955
	raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post
	Land, rolling and broken. Soil, shallow sand and considerable exposed sandstone. Timber, thinly scattered scrub juniper.
	North, bet. secs. 13 and 18.
	Over rolling sandstone surface through thinly scattered timber, desc 10 ft.
9.80	Top of a vertical sandstone wall, about 150 ft. high, bears N. 10° W and S. E., the S. wall of White Canyon., desc. 150 ft. abruptly.
14.00	Drain, in the bottom of White Canyon, course N. 10° W., continue along bottom of canyon.
25.00	Leave drain in bottom of White Canyon, course N. W., asc. 160 ft. abruptly.
29.80	Top of vertical sandstone wall, about 160 ft. high, bears N. W. and S. 20° E., the N. Wall of White Canyon., continue over irregular sandstone surface.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18.
	Cement an iron post, 12 inches long, 1 inch diam., 6 inches in a drill hole in sandstone surface with brass cap marked ¼ S13 | S18 1955

Chains	
	raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post.
	Desc. 60 ft. over irregular sandstone surface.
43.20	Drain, course W., asc. 90 ft. over irregular sandstone surface.
80.00	Point for the cor. of secs. 7, 12, 13, and 18.
	Set an iron post, 30 inches long, 2½ inches diam., over an (X) in sandstone surface and in a mound of stone, 3½ ft. base, to top of post with brass cap marked T34S R14E | R15E S12 | S 7 S13 | S18 1955
	Land, rolling and broken. Soil, shallow sand and considerable exposed sandstone. Timber, thinly scattered scrub juniper.

	North, bet. secs. 7 and 12.
	Over broken sandstone surface rock through thinly scattered timber, asc. 30 ft.
5.20	Ridge, bears E. and W., desc. 10 ft.
5.80	Wash, 10 lks. wide, 1 ft. deep, course W., asc. 10 ft.
22.80	Top of ledge, 50 ft. high, bears N. W. and S. E., desc. 90 ft. over ledge, and N. E. slope.
25.00	Wash, 40 lks. wide, 2 ft. deep, course N. 70° W., asc. 40 ft.
38.60	Bladed road, bears N. W. and S. E., asc. 10 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked ¼ S12 | S 7 1955
	raise a mound of stone, 3 ft. base, around and to top of the iron post.
	Asc. 180 ft. over sandstone S. slope.
46.00	Top of rocky ridge, bears W. and N. E., desc. 150 ft. over N. slope.
50.00	Base of slope, bears W. and N. E., continue over nearly level land.
80.00	Point for the cor. of secs. 1, 6, 7, and 12.
	Set an iron post, 30 inches long, 2½ inches diam., 24 inches in the ground with brass cap marked T34S R14E | R15E S 1 | S 6 S12 | S 7 1955
	raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post.

E., Bdy., T. 34 S., R. 14 E.

Chains	
	Land, broken in S., nearly level in N. Soil, shallow sand, shale, and exposed sandstone. Timber, thinly scattered pinon and juniper.
	North, bet. secs. 1 and 6.
	Over gently rolling land, asc. 10 ft.
16.00	Top of low ascent, bears E. and W., desc. 20 ft.
20.70	Wash, 10 lks. wide, 2 ft. deep, course W., desc 20 ft.
32.80	Wash, 8 lks. wide, 1 ft. deep, course W., desc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 inches long, 2½ inches diam., 21 inches in the ground with brass cap marked ¼ S 1 | S 6 1955
	raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post.
	Asc. 20 ft. over rolling land.
44.60	Top of ascent, bears N. E. and S. W., desc. 10 ft.
45.70	Wash, 10 lks. wide, 2 ft. deep, course S. W., asc. 10 ft.
55.60	Wash, 10 lks. wide, 2 ft. deep, course S. 10° E., asc. 360 ft. over steep ledgy S. E. slope.
75.20	S. broken crest of bench, bears E. and S. W., irregularly, asc. 20 ft. over broken top of bench.
80.00	Point for the cor. of Ts. 33 and 34 S., Rs. 14 and 15 E.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock and in a mound of stone, 2 ft. base, to top of post with brass cap marked T33S R14E R15E S36 | S31 S 1 | S 6 T34S 1955
	raise a mound of stone, 3 ft. base, 2½ ft. high, S. of the iron post.
	Land, rolling and broken. Soil, shallow sand and rocky. No timber.

S. Bdy., T. 34 S., R. 14 E.

Beginning at the cor. of Ts. 34 and 35 S., Rs. 14 and 15 E., marked with an iron post, 3 inches diam., set, marked, and witnessed as described in the official record of the 1931 survey.

N. 89° 56' W., bet. secs. 1 and 36.

Over broken land draining southerly, desc. 50 ft.

U. S. GOVERNMENT PRINTING OFFICE 16—8155

S. Bdy.; T. 34 S., R. 14 E.

Chains	
2.40	Wash, 30 lks. wide, 5 ft. deep, course S. W., asc. 100 ft. over broken S. E. slope.
13.00	Bladed road, bears N. E. and S. W., on spur, projecting S. W., thence over slight W. slope.
21.70	W. crest of spur, bears S. W. and N. E., desc. 40 ft.
27.80	Wash, 20 lks. wide, 4 ft. deep, course S. W.
36.10	Same wash, course N. W., thence along N. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked ¼ S36 S 1 1955
	raise a mound of stone, 3 ft. base, around and to top of the iron post.
	Asc. 20 ft. along broken N. slope.
41.60	Spur, slopes N., desc. 120 ft. along broken N. W. slope.
61.70	Wash, 30 lks. wide, 4 ft. deep, course S. W., asc. 50 ft.
65.00	Spur, slopes S., desc. 80 ft.
70.70	Wash, course S., asc. 20 ft.
74.30	Spur, slopes S. E., desc. 150 ft. over W. slope.
79.20	Wash, 10 lks. wide, 3 ft. deep, course S. E., asc. 10 ft.
80.00	Point for the cor. of secs. 1, 2, 35, and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 15 inches in the ground to bedrock with brass cap marked T34SR14E S35 | S36 S 2 | S 1 T35S 1955
	raise a mound of stone, 2½ ft. base, around and to top of the iron post.
	Land, broken. Soil, shallow sand. No timber.

N. 89° 56' W., bet. secs. 2 and 35.

Over broken mountainous land.

1.00	Road, trail, bears N. E. and S. W., asc. 930 ft. over steep broken S. E. talus slope and cliff.
38.10	E. crest of mesa and top of cliff, about 100 ft. high, bears N. E. and S. W., asc. 70 ft. over top of mesa.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 inches long, 2½ inches diam., over an (X) on

S. Bdy., T. 35 S., R. 14 E.

Chains	
	sandstone surface, and in a mound of stone, 3½ ft. base, to top of post with brass cap marked ¼ S35 S 2 1955
	Continue over nearly level top of mesa.
53.40	Ridge of mesa, bears N. E. and S. W., enter scrub timber, desc. 350 ft. over ledgy N. W. slope.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T34SR14E S34 | S35 S 3 | S 2 T35S 1955
	raise a mound of stone, 3 ft. base, around the iron post to top of po
	Land, broken and mountainous. Soil, shallow sand and sandstone outcroppings. Timber, thinly scattered scrub juniper on mesa tops.
	N. 89° 56' W., bet. secs. 3 and 34.
	Over broken top of mesa, desc. 120 ft. over W. slope.
15.00	W. crest of mesa, a cliff, about 60 ft. high, bears N. and S., desc. 280 ft. over cliff and broken S. W. slope.
28.00	Base of descent, asc. 200 ft. along broken S. E. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 18 inches in the ground with brass cap marked ¼ S34 S 3 1955
	raise a mound of stone, 3 ft. base, around the iron post to top of post.
	Asc. 60 ft. along broken S. E. slope.
44.30	The E. point of a high mesa, projecting from S. 70° W., desc. 420 ft. along talus N. W. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground with brass cap marked T34SR14E S33 | S34 S 4 | S 3 T35S 1955
	raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of the cor.
	Land, broken and mountainous.

B. Bdy., T. 34 S., R. 14 E.

Chains	
	Soil, shallow sand and rocky. Timber, thinly scattered scrub juniper on top of mesas.
	N. 89° 56' W., bet. secs. 4 and 33.
	Over broken land, desc. 220 ft. along steep N. W. slope.
11.20	Wash, 20 lks. wide, 4 ft. deep, course N. W., asc. 50 ft.
14.70	Spur, projects N. W., desc. 220 ft.
20.00	Base of steep slope, bears N. E. and S. W., thence over rolling land.
25.50	Wash, 30 lks. wide, 3 ft. deep, course N. W., asc. 20 ft.
28.60	Spur, projects N. E., desc. 50 ft.
39.10	Wash, 20 lks. wide, 1 ft. deep, course N. W., continue over rolling land.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock with brass cap marked ¼ S33 / S 4 1955
	raise a mound of stone, 4 ft. base, around and to top of iron post.
	Continue over rolling land.
46.00	Bladed road, bears N. and S.
47.50	Wash, 30 lks. wide, 2 ft. deep, course N., asc. 640 ft. over steep talus S. E. slope.
78.20	Point selected for the witness cor. of secs. 4, 5, 32, and 33.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T34SR14E W S32 | S33 C S 5 | S 4 T35S 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
80.00	The true point for the cor. of secs. 4, 5, 32, and 33, is inaccessible, falls on a nearly vertical sandstone wall, about 200 ft. high, bears N. E. and S. W., the E. crest of a high mesa.
	Land, rough and mountainous. Soil, shallow sand and rocky. No timber.
	N. 89° 56' W., bet. secs. 5 and 32.
	Over broken top of mesa, asc. 220 ft. over ledges on S. E. slope.
3.30	Top of ledge, bears S. W. and N. E., asc. 20 ft.
18.90	Ridge, bears S. and N. E., desc. 330 ft. over broken irregular sandstone slope draining westerly.

S. Bdy., T. 34 S., R. 14 E.

Chains	
38.61	Point selected for the witness ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 inches long, 2½ inches diam., over an (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post with brass cap marked W, S32. C ¼ S 5 1955
	Asc. about 80 ft. over irregular sandstone formation.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32, falls on a nearly vertical sandstone wall and is not accessible.
	Asc. 150 ft. over irregular sandstone formation.
60.10	Ridge, bears S. W. and N. E., desc. 100 ft. over W. slope.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T34SR14E S31 | S32 S 6 | S 5 T35S 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Land, rough and mountainous. Soil, shallow sand and exposed sandstone. Timber, thinly scattered scrub juniper on top of mesa.
	N. 89° 56' W., bet. secs. 6 and 31.
	Over broken top of mesa, desc. 160 ft. over W. Slope.
10.50	Wash, 10 lks. wide, 2 ft. deep, course S. W., asc. 50 ft. along S. E. slope.
14.90	Spur, projects S. W., desc. 90 ft. over W. slope.
20.00	W. crest of mesa, bears N. W. and S. E., desc. 700 ft. over face of cliff, about 100 ft. high, and steep talus W. slope.
34.00	Base of steep, slope, bears N. and S., desc. 120 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked ¼ S31 S 6 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
45.00	Top of steep ledge slope, bears N. and S., desc. 600 ft. along S. W. slope.
66.53	Left bank of the Colorado River, bears S. W. and N. E.; banks 4 to 8 ft. high.
	Point for the meander cor. of secs. 6 and 31, on the left bank.

U. S. GOVERNMENT PRINTING OFFICE 0—6155

Chains	
	Set an iron post, 30 inches long, 2½ inches diam., 22 inches in the ground with brass cap marked T34S R14E M / S31 C / S C T35S 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
68.00	Waters edge, left shore of the Colorado River at low stage, River, course S. W.
75.00	Waters edge, right shore of the Colorado River, thence over cobble-stone bottom.
79.53	The cor. of Ts. 34 and 35 S., R. 14 E. and the point for the meander cor. on the right bank of the Colorado River.
	Note: this cor. is established North, 480.00 chs. dist., from the standard cor. of Ts. 35 ½ S., R. 13 E. and T. 35 S., R. 14 E., on the Seventh Standard Parallel South. The cor. is monumented with an iron post, 2½ inches diam., set, marked, and witnessed as described in the field notes of the survey of the W. bdy. of T. 35 S., R. 14 E.
	Land, rough and mountainous. Soil, shallow sand and rocky. Timber, willows along banks of the Colo. River, and scrub juniper on tops of mesas.

A Portion of the W. Bdy., T. 34 S., R. 14 E.

	From the cor. of Ts. 34 and 35 S., R. 14 E., marked with an iron post 2½ inches diam., set, marked and witnessed as described in the field notes of the Survey of the W. bdy. of T. 35 S., R. 14 E.
	North, along the W. bdy. of sec. 31.
	Asc. 160 ft. along broken S. E. slope.
23.20	Spur, slopes N. E., desc. 130 ft. along N. E. slope.
36.58	Right sloping bank of the Colorado River, bears N. 70° E. and S. 70° W., bank, 5 to 12 ft. high.
	Point for the meander cor. of sec. 31, on the right bank.
	Set an iron post, 30 inches long, 2½ inches diam., 26 inches in the ground with brass cap marked M C S31 T34S R14E 1955 raise a mound of stone, 2 ft. base, 2 ft high, S. of the iron post.
37.60	Waters edge, right shore of the Colorado River at low stage, River, course N. 70° E.
46.20	Waters edge, left shore of the Colorado River.
47.62	Left bank, 4 ft. high, of the Colorado River, bears N. 70° E. and S. 70° W.

W. Bdy., T. 34 S., R. 14 E.

Chains

Point for the meander cor. of sec. 31, on the left bank.

Set an iron post, 30 inches long, 2½ inches diam., 25 inches in the sand with brass cap marked

T34S
R14E
S31

M C
1955

raise a mound of stone, 2½ ft. base, 2 ft. high, N. of the iron post

Thence over nearly level bottom land.

52.00 Base of ascent, bears E. and W., asc. 460 ft. over a series of ledg on steep S. slope.

66.20 Bladed road, bears E. and W., asc. 230 ft. over steep talus S. slop

77.99 Point selected for the witness cor. of secs. 30 and 31.

Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked

WC
T34S
R14E
S30
S31
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Continue ascent of 60 ft. over talus slope.

80.00 Point for the cor. of secs. 30 and 31, falls on a precipitious sandstone slope where the cor. cannot be monumented.

Land, River bottom in S., rough and mountainous in N.
Soil, Sand in river bottom, shale and rock in N.
Timber, willows along River banks.

From the true point for the cor. of secs. 30 and 31.

North, along the W. bdy. of sec. 30.

Over rough, mountainous land, asc. 370 ft. over steep talus S. slope and face of cliff.

7.30 S. crest of mesa, a cliff, about 200 ft. high, bears E. and W., then over rough broken top of high mesa.

35.50 N. crest of mesa, a cliff, about 200 ft. high, bears N. W. and S. E., desc. 430 ft. over cliff and ledges.

40.00 Point for the ¼ sec. cor. of sec. 30, falls on a vertical sandstone face where the corner cannot be monumented.

40.37 Point selected for the witness ¼ sec. cor. of sec. 30

Set an iron post, 30 inches long, 2½ inches diam., 14 inches in the ground to bedrock, with brass cap marked

W. Bdy., T. 34 S., R. 14 E.

Chains	
	¼ S30 W C 1955
	raise a mound of stone, 2½ ft. base, around the iron post to top.
	Desc. 180 ft. over steep broken slope, draining northeasterly.
67.90	Intersect the S. bdy. of sec. 36, T. 34 S., R. 13 E.
	Point for the closing cor. of sec. 30, T. 34 S., R. 14 E.
	Set an iron post, 30 inches long, 2½ inches in diam., 26 inches in the ground with brass cap marked
	T34SR13E S36 | S30 T34S R14E C C 1955
	raise a mound of stone, 3 ft. base, 3 ft. high, S. of the iron post.
	From this corner, the ¼ sec. cor. of sec. 36, T. 34 S., R. 13 E., bears East, 87 lks. dist.
	Land, broken and mountainous. Soil, shallow sand and exposed sandstone. No timber.

N. Bdy., T. 34 S., R. 14 E.

	From the cor. of Ts. 33 and 34 S., Rs. 14 and 15 E., heretofore described.
	West, bet. secs. 1 and 36.
	Over broken top of bench.
32.00	Rim, bears N. E. and S., desc. 120 ft. over ledgy W. slope.
36.00	Wash, course S. 20° W., asc. 120 ft. along ledgy S. E. slope.
39.50	Rim, bears N. E. and S. W., thence over broken top of bench.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked
	¼ S36 S 1 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Asc. 80 ft. over S. E. slope.
44.00	Ridge, on top of bench, bears N. E. and S. W., desc. 400 ft. over broken top of bench, draining northwesterly.
78.00	Rim, bears N. 70° E. and S. 70° W., irregularly, desc. 100 ft. along broken N. W. slope.

Chains	
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 inches long, 2½ inches diam., 3 inches in the ground to bedrock with brass cap marked T33S R14E S35 | S36 S 2 | S 1 T34S 1955 raise a mound of stone, 3 ft. base, around the iron post to top of post. Land, broken. Soil, shallow sand and shale. No timber.
	West, bet. secs. 2 and 35. Over broken land, desc. 160 ft. along broken N. slope.
15.60	Wash, 30 lks. wide, 2 ft. deep, course N. W., asc. 200 ft. along broken N. E. slope.
30.00	Rim, bears N. W. and S. E., thence over broken top of bench.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked ¼ S35 S 2 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
44.00	Ridge of bench, bears N. W. and S. E., desc. 40 ft.
51.80	Rim, bears N. E. and S. W., desc. 200 ft. over rim and ledgy slope.
60.00	Base of descent, bears N. and S., continue descent of 120 ft. over W. slope.
80.00	Point for the cor. of secs. 2, 3, 34, and 35. Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground with brass cap marked T33S R14E S34 | S35 S 3 | S 2 T34S 1955 raise a mound of stone, 3 ft. base, around and to top of iron post. Land, broken. Soil, shallow sand, shale and rocky. No timber.
	West, bet. secs. 3 and 34. Over rolling land, draining southwesterly, desc. 120 ft.
38.30	Wash, 50 lks. wide, 3 ft. deep, course S. W., asc. 20 ft.

M. Bdy., T. 34 S., R. 14 E.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked ¼ S34 / S 3 1955
	raise a mound of stone, 2 ft. base, around and to top of iron post.
	raise a mound of stone, 2 ft. base, 2 ft. high, W. of the iron post.
	Continue over rolling land.
58.00	Base of steep S. E. slope, bears N. E. and S. W., asc. 310 ft. over slope and cliff.
67.90	Top of cliff, about 70 ft. high, the E. crest of bench, bears N. E. and S. W., asc. 20 ft. over broken top of bench.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T33SR14E S33 | S34 S 4 | S 3 T34S 1955
	raise a mound of stone, 4 ft. base, around and to top of iron post.
	Land, broken. Soil, shallow sand and shale. No timber.
	West, bet. secs. 4 and 33.
	Over rolling top of bench.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked ¼ S33 / S 4 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Desc. 140 ft. over W. slope on top of bench.
80.00	Point for the cor. of secs. 4, 5, 32, and 33.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock with brass cap marked T33SR14E S32 | S33 S 5 | S 4 T34S 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.

Chains	
	Land, rolling top of bench. Soil, shallow sand and shale. No timber.
	West, bet. secs. 5 and 32.
	Over broken top of bench, asc. 20 ft.
6.30	W. crest of bench, a cliff, about 50 ft. high, bears N. W. and S. E. desc. 600 ft. over cliff and steep slope.
19.00	Base of descent, bears N. and W., desc. 80 ft. over W. slope.
25.00	Desc. 40 ft. over ledge, bearing N. and S.
25.50	Left bank of the Colorado River, bears N. and S.
	Point for the meander cor. of secs. 5 and 32, on the left bank.
	Set an iron post, 30 inches long, 2½ inches diam., 30 inches in the ground with brass cap marked M | T33SR14E C | S32 S 5 T34S 1955
	raise a mound of stone, 3 ft. base, 2½ ft. high, E. of the iron post.
	Thence across Colorado River, course S.
42.00	Waters edge, right shore of the Colorado River.
42.50	Right sloping bank of the Colorado River, bears N. 20° W. and S. 20° E.
	Point for the meander cor. of secs. 5 and 32, on the right bank.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground with brass cap marked T33SR14E S32 M S 5 C T34S 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Asc. 120 ft. over steep E. slope.
46.50	Top of ascent, bears N. and S., thence over rolling land.
53.50	Utah State Highway No. 95, bladed road, bears N. 20° E. and S. 20° W.
67.90	Base of ascent, bears N. W. and S. E., asc. 270 ft. over steep E. E. slope and cliff.
78.00	E. crest of bench, a cliff, about 100 ft. high, bears N. and S. E., thence over broken top of cliff.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked

N. Bdy., T. 34 S., R. 14 E.

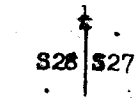
Chains	
	T33SR14E S31 | S32 S 6 | S 5 T34S 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.
	Land, broken and rolling. Soil, shallow sand and shale on benches and sandy river bottom. No timber.
	West, bet. secs. 6 and 31.
	Over broken land, asc. 60 ft. over E. slope.
9.70	Spur, projects S., Desc. 60 ft.
15.10	Wash, 40 lks. wide, 1 ft. deep, course S. E., asc. 10 ft.
23.90	Spur, projects S. E., continue along broken land, draining southeasterly.
37.99	Intersect the E. bdy. of sec. 12, T. 34 S., R. 13 E.
	At the point for the closing cor. of Ts. 33 and 34 S., R. 14 E.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground with brass cap marked T33S T34S | R14E R13E | S31 C S 12 | S 6 C T34S 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.
	From this closing cor., the cor. of secs. 12 and 13, T. 34 S., R. 13 E., bears South, 12.85 chs. dist., an iron post, 2½ inches diam., set, marked and witnessed as described in the field notes of the survey of the E. bdy. of T. 34 S., R. 13 E.
	Land, broken and rolling. Soil, shallow sand. No timber.
	Portion of Subdivision, T. 34 S., R. 14 E.
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., heretofore described.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over rogh and mountainous land, asc. 630 ft. over steep broken S. talus slope.
1.50	Bladed road, bears NE. and SW.
38.77	Point selected for the witness ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked

Subdivision, T. 34 S., R. 14 E.

Chains	Land
	W C ¼ S35 | S36 1955 raise a mound of stone, 3 ft. base, around the iron post to top of post.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36, falls on vertical sandstone face of cliff about 330 ft. high,
42.00	Top of E. point of high mesa, projecting from S. 70° W., desc. 920 ft over cliff and N. talus slope,
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 inches long, 2½ inches diam., 15 inches in the ground with brass cap marked T34SR14E S26 | S25 S35 | S36 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post. Land, rough and mountainous. Soil, shallow sand and rocky. No timber.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tp., an iron post, 2 inches diam., conforming to the record of the 1931 survey. West, bet. secs. 25 and 36. Over rough and mountainous land, asc. 120 ft. over S. E. slope on top of high mesa.
11.20	Top of ascent, bears N. E. and S. W., desc. 320 ft. over broken N. W. slope.
39.91	Point for the ¼ sec. cor. of secs. 25 and 36. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked ¼ S25 S36 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post.
40.40	W. crest of mesa, a vertical sandstone wall, about 100 ft. high, bears N. 30° E. and S. 30° W., desc. 730 ft. over cliff and steep talus N. W. slope.
79.83	The cor. of secs. 25, 26, 35 and 36. Land, rough and mountainous. Soil, shallow sand and exposed sandstone. No timber.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., heretofore described.

Subdivision, T. 34 S., R. 14 E.

Chains	
	N. 0° 02' W., bet. secs. 33 and 34.
	Over rough broken land, desc. 220 ft. along steep N. W. slope.
8.50	Wash, 20 lks. wide, 3 ft. deep, course W., asc. 50 ft.
11.50	Spur, slopes W., desc. 50 ft.
15.90	Wash, drains W., asc. 210 ft. along broken S. W. slope.
32.00	Top of ascent, bears N. W. and S. E., desc. 80 ft.
37.70	Rim, bears N. W. and S. E., desc. 40 ft. over ledges.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground with brass cap marked ¼ S33 | S34 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Desc. 400 ft. over ledges on steep N. E. slope.
54.60	Wash, 40 lks. wide, 2 ft. deep, course W., 5 chs., thence N. 20° W. Asc. 240 ft. along rocky W. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34.
	Set an iron post, 24 inches long, 1 inch diam., 5 inches in a drill-hole in sandstone surface with brass cap marked T34SR14E S28 | S27 S33 | S34 1955
	raise a mound of stone, 2 ft. base, around and to top of iron post.
	Land, rough and broken. Soil, shallow sand and rocky. No timber.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken land, asc. 40 ft. along W. slope.
2.50	Spur, slopes W., from point of bench about 2 chs. E., desc. 270 ft. along broken N. W. slope.
13.60	Head of wash, draining N. W., asc. 70 ft.
16.50	Spur, projects N. W., desc. 140 ft. over N. slope.
24.50	Wash, 90 lks. wide, 5 ft. deep, course N. W., thence over rolling land.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 inches long, 2½ inches diam., 2 inches in the ground to bedrock and in a mound of stone, 3 ft. base, around and to top of iron post with brass cap marked

Chains	
	
	Continue over rolling land.
50.30	Wash, 30 lks, wide, 2 ft. deep, course W., desc. 50 ft.
52.30	Wash, in the bottom of White Canyon, 80 lks. wide, 2 ft. deep, cour S. W., from N. 20° E.
75.0	Base of ascent, bears N. E. and S. W., asc. 420 ft. over talus slop and cliff.
79.30	Top of cliff, about 100 ft. high, bears S. W., and E. about 50 lks. to point.
79.36	Point selected for the witness cor. of secs. 21, 22, 27 and 28.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked T34SR14E W C S21 S22 S28 S27 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.
79.70	Top of cliff, about 100 ft. high, bears N. W. and S. E about 60 lks. to point, desc. 290 ft. over cliff and talus N. E. slope, to wash.
80.00	Point for the cor. of secs. 21, 22, 27, and 28, falls on face of cli and in inaccessible.
	Land, broken. Soil, shallow sand and rocky. No timber.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over broken land, descend along talus N. E. slope to wash.
6.40	Wash, 30 lks. wide, 4 ft. deep, course S. E., asc. 360 ft. over ledgy S. slope.
13.30	E. rim of bench, bears S. E. and N. W., asc. 120 ft. over rolling top of bench.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22.
	Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Desc. 10 ft. over rolling top of bench.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.

Subdivision, T. 34 S., R. 14 E.

Chains	
	Set an iron post, 30 inches long, 2½ inches diam., 3 inches in the ground to bedrock with brass cap marked T34SR14E S16 | S15 S21 | S22 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post. Land, broken slopes and rolling top of bench. Soil, shallow sand and rocky. No timber.
	N. 0° 02' W., bet. secs. 15 and 16. Over rolling top of bench.
3.60	N. rim of bench, bears N. W. and S. E., desc. 350 ft. over cliff, about 150 ft. high, and steep N. E. slope.
10.00	Base of steep descent, bears N. W. and E., thence over rolling land.
34.70	Utah State Highway No. 95, a bladed road, bears E. and W., desc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16. Set an iron post, 30 inches long, 2½ inches diam., over an (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post with brass cap marked ¼ S16 | S15 1955 Asc. 10 ft. over rolling land.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T34SR14E S 9 | S10 S16 | S15 1955. raise a mound of stone, 4 ft. base, around and to top of post. Land, broken and rolling. Soil, shallow sand. No timber.
	N. 0° 02' W., bet. secs. 9 and 10. Asc. 10 ft. over rolling exposed sandstone.
36.60	Wash, 50 lks. wide, 2 ft. deep, course S. W., desc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked

Subdivision, T. 34 S., R. 14 E.

Chains	
	¼ S 9 | S10 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
	Over rolling land, asc. 20 ft.
69.90	Wash, 25 lks. wide, 3 ft. deep, course S. W., asc. 40 ft.
80.00	Point for the cor. of secs. 3, 4, 9, and 10.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked T34SR14E S 4 | S 3 S 9 | S10 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
	Land, rolling. Soil, shallow sand with considerable exposed sandstone. No timber.
	N. 0° 08' W., bet. secs. 3 and 4.
	Over rolling land, desc. 20 ft.
13.80	Farley Canyon, a dry wash, 60 lks. wide, 3 ft. deep, course S. W., asc. 80 ft. over slight S. slope.
39.40	Point selected for the witness ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 10 inches long, 1 inch diam., in a drillhole in sandstone with brass cap marked ¼ W C S 4 | S 3 1955 raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4, falls on vertical sandstone face where it is impracticable to monument the corner.
	Asc. 240 ft. over ledgy slope and cliff.
45.00	S. rim of bench, bears W. and N., irregularly along line.
62.00	Leave rim, bears E. and S., asc. 150 ft. over S. slope on top of bench.
79.40	The cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the Tp., heretofore described.
	Land, broken and rolling. Soil, shallow sand and rocky. No timber.
	From the cor. of secs. 1, 2, 35, and 36, on the north boundary of the township, heretofore described.

Chains	
	S. 0° 01' E., bet. secs. 1 and 2.
	Over broken land, asc. 160 ft. over steep N. slope.
5.00	N. rim of bench, bears E. and W., thence over broken top of bench.
36.70	Rim of bench, bears E. and W., desc. 40 ft. over steep S. W. slope.
37.86	Point selected for the witness ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock with brass cap marked ¼ S 2 | S 1 W C 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.
39.80	Point for the ¼ sec. cor. of secs. 1 and 2, falls on the face of a sandstone wall, bearing E. and W., where it is impracticable to monument the cor.
	Desc. 250 ft. over steep S. slope.
44.00	Wash, 10 lks. wide, 2 ft. deep, course W., asc. 250 ft. over steep N. slope.
56.00	Rim of bench, bears N. E. and S. W., continue over rolling top of bench.
79.80	Point for the cor. of secs. 1, 2, 11, and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the ground to bedrock with brass cap marked T34SR14E S 2 | S 1 S11 | S12 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Land, broken. Soil, shallow sand. No timber.
	From the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the Tp., heretofore described.
	S. 0° 01' E., bet. secs. 2 and 3.
	Over rolling land, asc. 160 ft. along N. W. slope.
15.80	Ridge, bears E. and W., desc. 80 ft. over S. slope.
23.70	Wash, 20 lks. wide, 2 ft. deep, course W., asc. 50 ft. along N. W. slope.
26.20	Spur, projects W., desc. 16 ft. along S. W. slope.
39.60	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 inches long, 2½ inches diam., 4 inches in the

Chains	
	ground to bedrock with brass cap marked ¼ S 3 | S 2 1955 raise a mound of stone, 3½ ft. base, around and to top of iron post.
	Desc. 30 ft. over gently rolling land, draining westerly.
62.50	Wash, course W.; asc. over W. slope.
79.60	Point for the cor. of secs. 2, 3, 10, and 11, at a distance calculat to intersect a parallel connecting the cor. of secs. 1 and 12 on th E. bdy. and the cor. of secs. 3, 4, 9, and 10. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked T34SR14E S 3 | S 2 S10 | S11 1955 raise a mound of stone, 4 ft. base, around and to top of the iron po Land, rolling. Soil, shallow sand. No timber.
	From the cor. of secs. 1, 2, 11, and 12. N. 89° 55' W., bet. secs. 2 and 11. Over broken top of bench.
12.30	Wash, 20 lks. wide, 2 ft. deep, course S., desc. 60 ft.
19.50	W. rim of bench, bears N. E. and S. W., desc. 350 ft. over steep N. W. slope.
39.97	Point for the ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked ¼ S 2 S11 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
40.40	Spur, projects N. W., desc. 150 ft. along steep N. slope.
44.40	Base of steep slope, bears N. W. and S. E., desc. 100 ft. over W. slope.
79.95	The cor. of secs. 2, 3, 10 and 11. Land; broken. Soil, shallow sand and rocky. No timber.
	From the cor. of secs. 15, 16, 21 and 22. N. 89° 56' W., bet. secs. 16 and 21. Desc. 120 ft. along N. W. slope on top of bench.

Subdivision, T. 34 S., R. 14 E.

Chains	
37.00	W. rim of bench, bears N. E. and S. W., a cliff, about 50 ft. high, desc. 150 ft. over cliff and broken N. W. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 inches long, 2½ inches diam., 15 inches in the ground with brass cap marked ¼ S16 / S21 1955
	raise a mound of stone, 4 ft. base, around and to top of iron post.
	Desc. 280 ft. over W. slope.
69.60	Wash, 15 lks. wide, 5 ft. deep, course N. W., asc. 20 ft.
80.00	Point for the cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 inches long, 2½ inches diam., 28 inches in the ground with brass cap marked T34SR14E S17 | S16 S20 | S21 1955
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Land, broken. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 16 and 17.
	Desc. 50 ft. over rolling land.
11.00	Wash, 30 lks. wide, 2 ft. deep, course N. W., asc. 30 ft.
33.30	Utah State Highway No. 95, a bladed road, bears E. and W., desc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 inches long, 1 inch diam., 6 inches in the ground to bedrock with brass cap marked ¼ S17 | S16 1955
	raise a mound of stone, 2 ft. base, around and to top of iron post.
40.90	Wash, 60 lks. wide, 2 ft. deep, course N. W., asc. 320 ft. over steep talus slope and cliff.
47.00	S. Rim of bench, a cliff, about 70 ft. high, bears N. E. and S. W., asc. 20 ft. over broken top of bench.
80.00	Point for the cor. of secs. 8, 9, 16, and 17.
	Set a brass tablet, 3½ inches diam., 3½ inch stem, in a drillhole in sandstone surface with brass top marked T34SR14E S 8 | S 9 S17 | S16

Chains	
	raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, shallow sand. No timber.
	From the cor. of secs. 9, 10, 15, and 16.
	N. 89° 56' W., bet. secs. 9 and 16.
	Over rolling land.
8.00	Wash, course S. 10° W.
17.00	Base of ascent, bears N. and S., asc. 370 ft. along steep N. E. slope and cliff.
25.00	E. rim of bench, a cliff, about 70 ft. high, bears N. W. and S. E., continue over rolling top of bench.
39.97	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 inches long, 2½ inches diam., 5 inches in the ground to bedrock with brass cap marked ¼ S 9 / S16 1955
	raise a mound of stone, 3 ft. base, around and to top of iron post.
	Desc. 120 ft. over rolling top of bench.
79.94	The cor. of secs. 8, 9, 16, and 17.
	Land, rolling and broken. Soil, shallow sand. No timber.
	From the true point for the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp., from which, its witness cor. bears S. 89° 56' E. 180 lks. dist.
	N. 0° 03' W., bet. secs. 32 and 33.
	Asc. about 200 ft. over face of cliff, bearing N. E. and S. W.
4.00	Asc. 300 ft. over ledgy S. E. slope on top of high mesa.
11.00	N. crest of mesa, bears N. E. and S. W., desc. 900 ft. over cliff, about 150 ft. high, and steep N. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground to bedrock with brass cap marked ¼ S32 | S33 1955
	raise a mound of stone, 3½ ft. base, around and to top of iron post.
	Desc. 190 ft. over broken N. slope.
55.80	Bladed road, bears S. W. and N. E.
62.40	Cliff, about 50 ft. high, bears S. W. and N. E., desc. 100 ft.

Subdivision; T. 34 S., R. 14 E.

Chains	
75.40	Wash, in the bottom of White Canyon, course S. W., 40 lks. wide, 3 ft. deep.
80.00	Point for the cor. of secs. 28, 29, 32, and 33. Set an iron post, 30 inches long, 2½ inches diam., 12 inches in the ground to bedrock with brass cap marked T34SR14E S29 | S28 S32 | S33 1955 raise a mound of stone, 3½ ft. base, around and to top of post. Land, rough and broken. Soil, shallow sand and rocky. No timber.
	From the cor. of secs. 27, 28, 33 and 34. N. 89° 59' W., bet. secs. 28 and 33. Over broken land, desc. 290 ft. over broken W. slope.
11.80	Wash, 40 lks. wide, 2 ft. deep, course N. W., asc. 220 ft. over steep N. E. slope.
22.80	Spur, projects N. W., desc. 250 ft. over steep W. slope.
37.60	Wash, 30 lks. wide, 2 ft. deep, course N. W., thence over nearly level land, draining northerly.
40.03	Point for the ¼ sec. cor. of secs. 28 and 33. Set an iron post, 30 inches long, 2½ inches diam., 6 inches in the ground to bedrock with brass cap marked ¼ S28 S33 1955 raise a mound of stone, 3 ft. base, around and to top of iron post. Desc. 50 ft. over rolling land.
51.30	Wash, 20 lks. wide, 2 ft. deep, course W., continue along wash in the bottom of White Canyon.
75.00	Leave wash, in the bottom of White Canyon, course S. 60° W., asc. slight S. slope.
80.06	The cor. of secs. 28, 29, 32, and 33. Land, broken. Soil, sand and rock. No timber.
	From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., heretofore describdd. N. 0° 03' W., bet. secs. 31 and 32. Over nearly level top of high mesa.
13.30	W. crest of mesa, a cliff, about 150 ft. high, bears N. W. and S. E., desc. 710 ft. over cliff and steep talus slope draining northerly.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 31 and 32. Set an iron post, 30 inches long, 2½ inches diam., 14 inches in th ground to bedrock with brass cap marked ¼ S31 | S32 1955 raise a mound of stone, 3 ft. base, around and to top of iron post. Desc. 200 ft. over broken N. slope.
61.30	Wash, 30 lks. wide, 4 ft. deep, course N. W., thence over nearly level land.
64.00	Bladed road, bears E. and W.
71.20	Cliff, about 50 ft. high, bears N. W. and S. E., desc. 200 ft. ove cliff and steep talus slope.
78.70	Wash, 50 lks. wide, 2 ft. deep, in the bottom of White Canyon, cou N. W., asc. 10 ft.
80.00	Point for the cor. of secs. 29, 30, 31, and 32. Set an iron post, 30 inches long, 2½ inches diam., 8 inches in the ground to bedrock with brass cap marked T34SR14E S30 | S29 S31 | S32 1955 raise a mound of stone, 3 ft. base, around and to top of post. Land, rough and broken. Soil, shallow sand and rock. No timber.

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

N. 89° 49' W., bet. secs. 29 and 32.

Over nearly level land along wash in the bottom of White Canyon.

16.42	Wash, in the bottom of White Canyon, 50 lks. wide, 1 ft. deep, cour N. W., desc. 10 ft.
34.40	Same wash, course S. W., asc. 150 ft. abruptly.
36.50	Narrow point, projects S. 20° W., about 3 chs. to end, desc. 150 ft. abruptly.
39.92	Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 inches long, 2½ inches diam., 10 inches in the ground with brass cap marked ¼ S29 S32 1955 raise a mound of stone, 3 ft. base, around and to top of iron post.
43.00	Same wash, in the bottom of White Canyon, course N. 20° E.
47.00	Same wash, course S. W. 3 chs., thence W., along S. side of line.

125

Subdivision, T. 34 S., R. 14 E.

Chains	
79.84	The cor. of secs. 29, 30, 31 and 32. Land, bottom of White Canyon. Soil, sand. No timber.

GENERAL DESCRIPTION

T. 34 S., R. 14 E. is a rough and mountainous country, cut by deep canyon, draining in a westerly direction to the Colorado River.

The Colorado River passes through the western portion of the Tp., and a the only timber found in the Tp. is a few willows along the banks of the River.

The soil consists of shallow sand and shale lying on sandstone stratas.

Utah State Highway No. 95, a bladed road, passes through the Tp., entering the Tp. on the E. bdy. of secs. 24 and leaving the Tp. on E. bdy. of sec. 25, T. 34 S., R. 13 E.

The north portion is drained by Farley Canyon and the S. portion of the Tp. is drained by White Canyon. There is a spring located in Farley Canyon which is suitable for drinking water.

The general elevation of the Tp. is from 3600 ft. to 5500 ft. above sea level.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
[redacted], Gerald W.	Chainman
[redacted], Clyde	Chainman
[redacted], Max E.	Flagman
[redacted], Paul D.	Cornerman
[redacted], Earl	Axeman

16—53565-2

127

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor th
pursuance of special instructions bearing date of the 17th day of March
I have surveyed the north and south boundaries, a portion of the west boundary a
a portion of the subdivision of T. 34 S., R. 14 E.

of the Salt Lake Meridian, in the State of Utah, whic
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 fo
Survey of the Public Lands of the United States, and in the specific manner described in the foreg
field notes.

Salt Lake City, Ut.
January 19, 1956

Cannon G. Parkinson
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAR 27 1956, 19

The foregoing field notes of the survey of the north and south boundaries, a portion o
the west boundary and a portion of the subdivision, T. 34 S., R. 14 E., Salt La
Meridian, Utah

executed by Cannon G. Parkinson
having been critically examined and found correct, are hereby approved.

Earl J. Harrington
Cadastral Engineering Staff Offic

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 Of~~

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Glenn R. Haste, Jr.	Chainman
Grant Back	Chainman
Ronald N. Hansen	Flagman
Phil J. West	Cornerman
Bruce B. Baker	Axeman
Don M. Corbett	Axeman

10—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 17th day of March

I have surveyed a portion of the east boundary of Township 34 South, Range 14 Eas

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

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 fo

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

field notes.

Salt Lake City, Utah

January 19, 1956

George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAR 27 1958, 19

The foregoing field notes of the survey of a portion of the east boundary of T. 34 S.

R. 14 E., Salt Lake Meridian, Utah

executed by

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

Earl T. Harrington
Cadastral Engineering Staff Offi

CERTIFICATE OF TRANSCRIPT

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

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

~~Cadastral Engineering Staff Offi~~

U. S. GOVERNMENT PRINTING OFFICE 16—[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

of an

Extension Survey

of the

Subdivision

of

Township 34 South, Range 14 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Kenneth D. Witt, Cartographic Survey Aid

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Under special instructions dated March 17, *1955, which provided* and supplemental special instructions dated June 19, 1956 *for the surveys included under Group No.* 400, *approved* April 4, 1955 and June 21, 1956

and assignment instructions dated May 28, *1956*

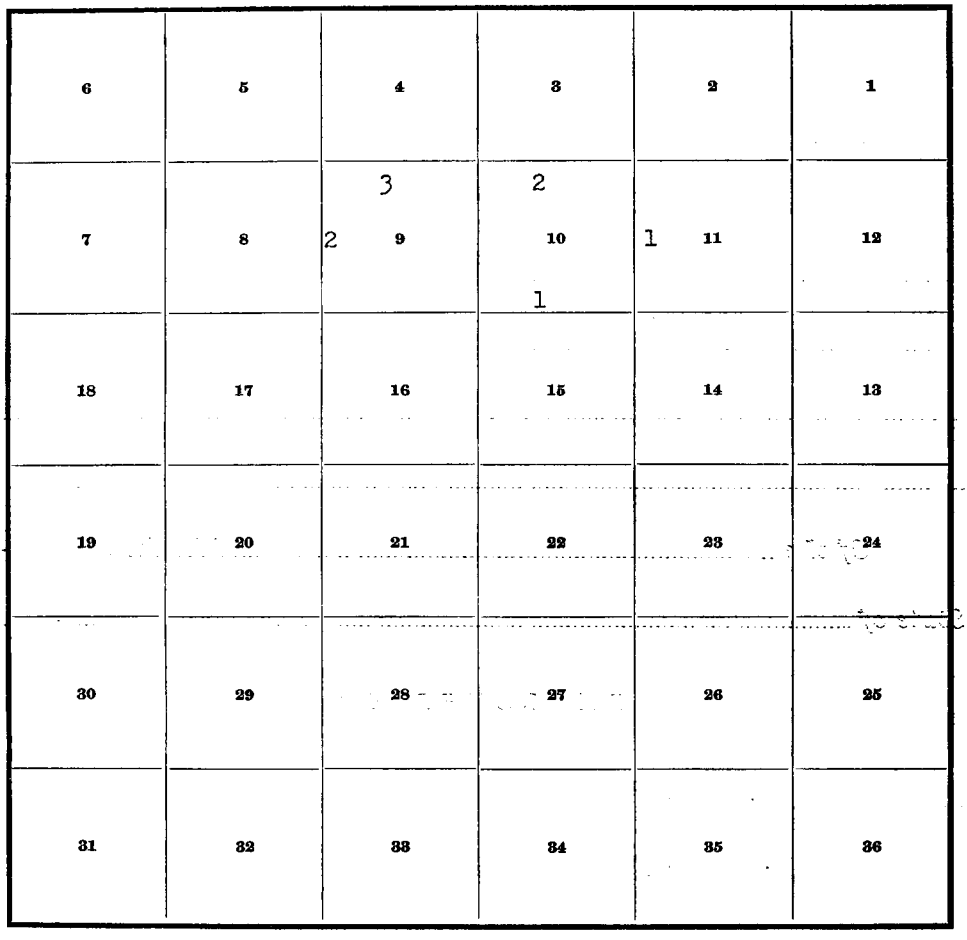
Survey commenced July 23, *1956*

Survey completed July 25, *1956*

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

INDEX DIAGRAM

Township 34 South, *Range* 14 East



16—56770-1

Township 34 South, Range 14 East,

The original survey of sxpartion of the subdivision of Township 34 South, Range 14 East of the Salt Lake meridian, Utah was made by [illegible] Cartographic Survey Aid in 1955, and reference is made to the field notes of that survey for a more complete history of the earlier surveys. The following field notes are those of an extension survey of the subdivision, completing the survey of sections 9 and 10 only. This extension survey was made at the request of the State Supervisor for Utah, in order to identify small tracts in these sections.

The present survey is being made in connection with subdivisional surveys made in Township 34 South, Range 13 East, Group 389-Utah and reference is made to the field notes of that survey for a description of the instruments and method of procedure.

The geographic position of the southeast corner of section 10, determined by reference to the plat of the 1955 survey, is as follows; Latitude 37° 49' 45.9" North, Longitude 110° 21' 26.1" West.

Extension Survey of the Subdivision of T. 34 S., R. 14 E.

Beginning at the corner of sections 2, 3, 10, and 11, marked by an iron post, 2½ ins. in diameter, conforming to the record.

S. 0° 01' E., between sections 10 and 11.

Over broken surface rock, with scant under growth.

21.50 Draw, course southwest.

40.00 Point for ¼ section corner of sections 10 and 11.

Over a cross (X) cut in solid surface rock, set an iron post, 30 ins. long, 2½ ins. in diameter, in mound of stone, with brass cap marked.

S10 | S11

1956

48.00 Draw, course southwest.

52.00 Draw, course southwest.

67.70 Draw, course west.

80.00 Point for corner of sections 10, 11, 14, and 15.

Over a cross (X) cut in solid surface rock, set an iron post, 30 ins. long, 2½ ins. in diameter, in mound of stone, with brass cap marked.

T34S R14E

S10 | S11

S15 | S14

1956

Land, broken and rough.
Soil, sandy and rocky.
No timber.
Undergrowth, blackbrush and scattered sagebrush.

Beginning at the corner of sections 10, 11, 14, and 15.

Subdivision of Township 34 South, Range 14 East.

Chains	
	N. 89° 56' W., between sections 10 and 15.
	Over rolling land, descend 140 ft. to ¼ section corner.
7.00	Gulch, course northwest.
27.00	Wash, course southwest.
39.90	Point for ¼ section corner of sections 10 and 15.
	Over a cross (X) cut in solid surface rock, set an iron post, 30 in. long, 2½ ins. in diameter, in mound of stone, with brass cap marked ¼ S10 / S15 / 1956
	Descend 110 ft. to the section corner.
47.20	Draw, course southwest.
79.80	The corner of sections 9, 10, 15, and 16, marked by an iron post, 2½ ins. in diameter, conforming to the record.
	Land, rolling and rocky. Soil, sandy. No timber. Undergrowth, blackbrush and sagebrush.
	Beginning at the corner of sections 2, 3, 10, and 11, heretofore described.
	N. 89° 56' W., between sections 3 and 10.
	Descend 110 ft. over gradual west slope to ¼ section corner.
39.90	Point for ¼ section corner of sections 3 and 10.
	Over a cross (X) cut in solid surface rock, set an iron post, 30 in. long, 2½ ins. in diameter, in mound of stone, with brass cap marked ¼ S3 / S10 / 1956
40.30	Wash, course southwest.
69.20	Wash, 1.00 ch. wide, 6 ft. deep, course S. 60° 00' W.
77.05	Spur which projects S. 45° 00' W.
79.80	The corner of sections 3, 4, 9, and 10, marked by an iron post, 2½ ins. in diameter, conforming to the record.
	Land, broken and rocky. Soil, rocky and sandy. No timber. Undergrowth, blackbrush and scattered sagebrush.
	Beginning at the corner of sections 8, 9, 16, and 17, marked by an iron post, 2½ ins. in diameter, conforming to the record.

Subdivision of Township 34 South, Range 14 East.

Chains	
	N. 0° 03' W., between sections 8 and 9.
	Over broken rocky land.
3.04	Descend 200 ft. over north slope.
8.90	Bottom of draw course west.
12.90	Rocky spur which projects west.
29.45	Farley Canyon, .60 ch. wide, 15 ft. deep, drains southwest.
40.00	Point for ¼ section corner of sections 8 and 9.
	Over a cross (X) cut in solid surface rock, set an iron post, 30 ins. long, 2½ ins. in diameter, in mound of stone, with brass cap marked.
	¼ S8 | S9 1956
44.00	Bottom of large swale, course west, ascend 250 ft. over south slope.
55.95	Reach top of red sandstone rim.
80.00	Point for corner of sections 4, 5, 8, and 9.
	Set an iron post, 30 ins. long, 2½ ins. in diameter, 6 ins. in the ground, with mound of stone to cap, with brass cap marked.
	T34S R14E S5 | S4 S8 | S9 1956
	Land, rough and broken. Soil, sandy and rocky. No timber. Undergrowth, scattered blackbrush.
	Beginning at the corner of sections 3, 4, 9, and 10, heretofore described.
	N. 89° 58' W., between sections 4 and 9.
	Over broken rocky land.
3.00	Farley Canyon, 1.70 chs. wide, 20 ft. deep, drains southwest.
11.30	Draw, course S. 10° 00' E.
21.75	Edge of rocky spur which projects south.
40.00	Point for ¼ section corner of sections 4 and 9.
	Over a cross (X) cut in solid surface rock, set an iron post, 30 ins. long, 2½ ins. in diameter, in mound of stone, with brass cap marked.
	¼ S4 S9 1956

Chains	
46.80	Wash, 0.60 ch. wide, 3 ft. deep, course south, ascend 125 ft. to rim.
56.00	Edge of rim, thence across small flat mesa.
59.50	Edge of high rim, descend 200 ft. over west slope.
65.70	Wash, 0.50 ch. wide, 3 ft. deep, course south, ascend 210 ft. over east slope.
72.30	Top of rim, bears N. 65° 00' E. and S. 65° 00' W.
80.00	The corner of sections 4, 5, 8, and 9.

Land, broken and rough.
Soil, sandy and rocky.
No timber.
Undergrowth, scattered blackbrush and sagebrush.

General Description

The land in sections 9 and 10 is principally a broken bench, with western exposure and drainage. The elevation ranges from 3800 ft. to 4000 ft. above sea level. The soil is principally a light sandy clay, with considerable exposed surface sandstone. There is a scattered growth of blackbrush and sagebrush. There is no timber. No evidence of commercial deposit of mineral encountered. There is no permanent habitation. There is no living water.

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

136

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Deon J. Allen	Principal Assistant
Bobby L. Porter	Chainman
Allen L. Noyes	Rodman
G. Read Burr	Cornerman
Walter B. Hill	Axeman

16—58565-2

1:57

CERTIFICATE OF CADASTRAL ENGINEER

I, Kenneth D. Witt, HEREBY CERTIFY upon honor

pursuance of special instructions bearing date of the 17th day of March

and supplemental special instructions dated June 19, 1956

I have surveyed a portion of the subdivision, completing the boundaries of secti

and 10 in Township 34 South, Range 14 East.

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

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

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

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

field notes.

Salt Lake City, Utah

February 1, 1957

Kenneth D. Witt

Kenneth D. Witt

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C.,

The foregoing field notes of the survey of

executed by

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

Chief, Division of Cadastral Engine

CERTIFICATE OF TRANSCRIPT

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

, is a true copy of the original field notes.

Chief, Division of Cadastral Engine

U. S. GOVERNMENT PRINTING OFFICE 16—[illegible]

138

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—53565-2

139

(8)

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 17th day of March,
and supplemental special instructions dated June 19, 1956
I have ~~surveyed~~ supervised the survey of a portion of the subdivision, completing

the boundaries of sections 9 and 10 in Township 34 South, Range 14 East

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

represented in the foregoing field notes as having been executed under my supervision and

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

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

field notes.

Salt Lake City, Utah

February 1, 1957

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957, 19

The foregoing field notes of the survey of a portion of the subdivision, completing th

boundaries of sections 9 and 10 in Township 34 South, Range 14 East of the Salt

Lake Meridian, Utah

executed by Kenneth D. Witt, under the supervision of Robert C. Yundt

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

~~Chief, Division of Cadastral Engineering~~
Acting Cadastral Engineering Staff Offi

~~CERTIFICATE OF TRANSCRIPT~~

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

, is a true copy of the original field notes.

~~Chief, Division of Cadastral Engineering~~

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

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 Subdivisional Lines

of

Township 34 South, Range 15 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

George D. Voorheas, Cartographer Cadastral

Under special instructions dated March 17, *1955, which provided for the surveys included under Group No.* 400, *approved* April 4, 1955 *and assignment instructions dated* March 30, *1955*

Survey commenced June 7, *1955*

Survey completed July 19, *1955*

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

INDEX DIAGRAM

Township 34 South, *Range* 15 East

10 6	10 5	9 4	8 16 3	8 17 2 18	7 17 1 6
7	8	9 20	15 10	11	12 5
18	17	19 16 18	14 15	14	13 4
19	20	21	14 22	23	24 3
30	29 22	28	13 27	26	25 12 2
31	21 32	20 33	12 34	35	11 36 1

16—66770-1

Survey of the East and North Boundaries and a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains

The south two miles of the west boundary were surveyed by R. C. Yundt in 1931. The north four miles of the west boundary were surveyed concurrently and are described in the field notes of T. 34 S., R. 14 E. The south boundary was surveyed concurrently with the survey of this township and is described in the field notes of T. 35 S., R. 15 E.

The following field notes are those of the east boundary, the north boundary and a portion of the subdivision of T. 34 S., R. 15 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 481346, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

The direction of all lines being reported is determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

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

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

The geographic value for the southeast corner of T. 34 S., R. 15 E. is latitude 37° 46' 17.4" N., longitude 110° 12' 39.9" W., as determined by traverse from U.S.G.S. triangulation station "Mine", situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Survey of the East Boundary of T. 34 S., R. 15 E.

Beginning at the cor. of Ts. 34 and 35 S., Rs. 15 and 16 E., which is monumented with an iron post, 1 in. diam., set, mkd. and witnessed as described in the field notes of the survey of T. 35 S., R. 15 E.

North, bet. secs. 31 and 36.

Chains	
	Asc. 30 ft. over broken top of mesa, through scattered timber.
10.70	Drain, 20 lks. wide, 2 ft. deep, course S. 25° W.; asc. 190 ft. over S. slope.
25.80	Top of ridge, bears NE. and SW.; desc. 60 ft. over NW. slope.
31.00	Wash, 10 lks. wide, 1 ft. deep, course SW.; asc. 70 ft. over SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 36 | S 31 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of post.
	Over rolling mesa top; asc. 10 ft. through scattered timber.
41.00	Bladed road, bears S. 70° W. and N. 70° E.; ridge of mesa, bears E. and W.; desc. 20 ft. over N. slope.
46.60	Drain, 6 lks. wide, 8 ins. deep, course N. 70° W.; asc. 10 ft.
52.10	Rim of ravine, bears NW. and SE.; desc. 130 ft. over N. slope.
56.50	Drain at bottom of ravine, 10 lks. wide, 1 ft. deep, course N. 70° W.; asc. 20 ft. over SW. slope.
64.60	Top of spur, slopes W.; desc. 50 ft. over N. slope.
67.10	Drain, 10 lks. wide, 1 ft. deep, course NW.; asc. 30 ft.
72.30	Spur, slopes W.; desc. 60 ft. over 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, with brass cap mkd.
	T34S R15E R16E S25 | S30 S36 | S31 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	North, bet. secs. 25 and 30.
	Over rolling mesa land, through scattered timber; asc. 110 ft. over S. slope.
2.10	Spur, bears N. 70° W. and E., slopes N. 70° W.; desc. 360 ft. over ledges on N. rim of mesa.

Survey of the East Boundary of T. 34 S., R. 15 E.

Chains	
9.00	Base of steep slope, bears E. and W.; enter rolling land; desc. 30 ft.
23.70	Drain, 10 lks. wide, 2 ft. deep, course N. 80° W.; desc. 10 ft.
26.40	Drain, 10 lks. wide, 1 ft. deep, course N. 80° W.; desc. 20 ft.
30.70	Drain, 5 lks. wide, 6 ins. deep, course N. 70° W.; desc. 10 ft.
34.30	Drain, 5 lks. wide, 6 ins. deep, course N. 70° W.; desc. 30 ft.
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 to bedrock, with brass cap mkd.
	¼ S 25 | S 30 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Over gently rolling land, through scattered timber; desc. 10 ft.
48.20	Trail road, bears S. 80° W. and N. 80° E.
66.90	Wash, 15 lks. wide, 1 ft. deep, course N. 80° W. in bottom of Fortknocker Canyon, 2 chs. wide, 40 ft. deep, course W.
71.20	Wash, 10 lks. wide, 1 ft. deep, course S. 70° W.; desc. 10 ft.
72.00	Trail road, bears E. and W.
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, with brass cap mkd.
	T34S R15E R16E S24 | S19 S25 | S30 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Land, rolling. Soil, sand. Timber, scattered pinon and juniper.
	North, bet. secs. 19 and 24.
	Over gently rolling land, through thinly scattered timber; desc. 30 ft.
29.90	Drain, 10 lks. wide, 1 ft. deep, course N. 70° W.; desc. 20 ft.
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.

Survey of the East Boundary of T. 34 S., R. 15 E.

Chains

¼
S 24 | S 19
1955

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of the iron post.

Over rolling land, through thinly scattered timber; asc. 70 ft.

60.40 Base of steep ascent, bears E. and W.; asc. 390 ft. over steep S. slope and vertical sandstone cliff.

78.60 Top of sandstone cliff, bears E. and W.

80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, with brass cap mkd.

T34S
R15E R16E
S13 | S18
S24 | S19
1955

Raise a mound of stone, 5 ft. base, around the iron post, to top of post.

Land, rolling and broken.
Soil, shallow sand and sandstone outcropping.
Timber, thinly scattered pinon and juniper.

North, bet. secs. 13 and 18.

Asc. 10 ft. over broken mesa slope, through scattered timber.

13.10 Wash, 8 lks. wide, 1 ft. deep, course SW.

26.00 Ridge, bears NE. and SW.; desc. 50 ft.

31.10 Ravine, 10 lks. wide, 1 ft. deep, drains W.; desc. 30 ft.

40.00 Point for the ¼ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, with brass cap mkd.

¼
S 13 | S 18
1955

Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.

Over broken mesa, through scattered timber.

43.90 Ravine, 10 lks. wide, 2 ft. deep, drains SW.; desc. 70 ft.

44.90 Ridge, bears NE. and SW.; desc. 80 ft.

48.70 Ravine, 30 lks. wide, 8 ft. deep, drains SW.; asc. 90 ft.

52.00 Ridge, bears NE. and SW.; desc. 70 ft.

Survey of the East Boundary of T. 34 S., R. 15 E.

Chains	
58.50	Ravine, 10 lks. wide, 1 ft. deep, drains W.; asc. 60 ft.
65.00	Ridge, bears E. and W.; desc. 130 ft.
70.70	Wash, 10 lks. wide, 1 ft. deep, drains W.; desc. 30 ft.
73.30	Wash, 5 lks. wide, 1 ft. deep, drains SW.; asc. 50 ft.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.
	Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground to bedrock, in a flat mound of stone, with brass cap mkd.
	T34S R15E R16E S12 | S7 S13 | S18 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, thinly scattered pinon and juniper.
	North, bet. secs. 7 and 12.
	Desc. 100 ft. over broken top of mesa.
4.10	Ravine, 100 ft. deep, drains W.
10.00	Ravine, 40 ft. deep, drains SW.
15.00	Point of mesa, bears W. about 5 chs. dist.; desc. 50 ft. over broken top of mesa.
20.30	Wash, 10 lks. wide, 1 ft. deep, drains W.; desc. 50 ft.
27.30	Wash, 5 lks. wide, 1 ft. deep, drains W.; asc. 20 ft.
30.00	Point of mesa, bears W. about 12 chs. dist.
31.60	Wash, 5 lks. wide, 2 ft. deep, drains W.; asc. 20 ft.
34.50	N. rim of mesa, bears E. and W.; desc. 100 ft. over ledges on steep 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., 24 ins. in the ground, with brass cap mkd.
	¼ S 12 | S 7 1955
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the iron post.
	Desc. 230 ft. over ledges on N. slope.
45.00	Base of steep slope, bears E. and W.; thence over rolling land.

Chains	
49.90	Wash, 30 lks. wide, 3 ft. deep, drains W.; asc. 120 ft. over SW. slope.
58.00	Ridge, bears N. 30° W. and S. 30° E.; desc. 140 ft. over NE. 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, with brass cap mkd.
	T34S R15E R16E S1 | S6 S12 | S7 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Land, south-half, rolling and broken; north-half, rolling. Soil, shallow sand and sandstone outcropping. Timber, south-half, thinly scattered pinon and juniper; north-half, medium dense pinon and juniper.
	North, bet. secs. 1 and 6.
	Over rolling land, through medium dense timber; desc. 10 ft.
2.70	Wash, 60 lks. wide, 1 ft. deep, drains NW.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 1 | S 6 1955
	Raise a mound of stone, 5 ft. base, around the iron post, to top of cap.
	Desc. 30 ft. over nearly level land, with medium dense timber.
67.10	S. crest of Sheep Canyon, bears E. and W.; desc. 240 ft. over ledges on N. slope.
76.40	Wash in bottom of Sheep Canyon, 10 lks. wide, 1 ft. deep, drains S. 75° W.; asc. 40 ft. over S. slope.
80.00	Point for the cor. of Ts. 33 and 34 S., Rs. 15 and 16 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, with brass cap mkd.
	T33S R15E R16E S36 | S31 S1 | S6 T34S 1955

Survey of the East Boundary of T. 34 S., R. 15 E.

Chains	
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Land, south-half, nearly level; north-half, rolling and broken. Soil, sand and sandstone outcropping. Timber, medium dense pinon and juniper.

Survey of the North Boundary of T. 34 S., R. 15 E.

	Beginning at the cor. of Ts. 33 and 34 S., Rs. 15 and 16 E.
	S. 89° 55' W., bet. secs. 1 and 36.
	Desc. 170 ft. along S. slope of Sheep Canyon, through scattered timber.
37.80	Wash in ravine, 15 lks. wide, 3 ft. deep, drains SW. about 2 chs. to intersection with wash in bottom of Sheep Canyon, course W.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36, falls on the face of a ledge about 10 ft. high and is inaccessible.
40.41	Point selected for the witness ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 5 ft. base, to top of iron post, with brass cap mkd. ¼ S 36 / S 1 — W / C 1955
	Asc. 30 ft. along steep SE. slope of Sheep Canyon.
42.50	Minor spur, projects S. about 2 chs. to end; desc. 210 ft. over ledges.
60.90	Wash in Sheep Canyon, 20 lks. wide, 2 ft. deep, drains N. 80° W.; asc. 120 ft. along N. slope.
66.00	Spur, slopes sharply to NW.; desc. 160 ft. over W. slope.
72.00	Wash, 10 lks. wide, 1 ft. deep, drains N. about 4 chs. to intersection with wash in bottom of Sheep Canyon, course W.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Cement an iron post, 12 ins. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd. T33S R15E S35 | S36 S2 | S1 T34S 1955
	Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post.
	Land, breaks of Sheep Canyon. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

Chains	
	S. 89° 55' W., bet. secs. 2 and 35.
	Asc. 130 ft. along ledges of NE. slope of Sheep Canyon.
14.70	S. crest of Sheep Canyon, bears N. 80° W. and S. 80° E.; thence over rolling land.
22.40	S. crest of Sheep Canyon, bears N. 80° E. and S. 70° W.; desc. 200 ft. over ledges on NW. slope of Sheep Canyon.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 35 / S 2 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Desc. 170 ft. over ledges on NW. slope of Sheep Canyon.
58.20	Wash in bottom of Sheep Canyon, bears N. about 4 chs., course W. to NW.; asc. 250 ft. over ledges on NE. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone with brass cap mkd.
	T33S R15E S34 | S35 S3 | S2 T34S 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Land, breaks of Sheep Canyon. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 55' W., bet. secs. 3 and 34.
5.10	Top of sandstone ridge, bears NW. and SE.; desc. 20 ft. over SW. slope.
8.10	E. rim of ravine, bears S. 70° E. and N. 70° W.; desc. 190 ft.
13.30	Wash, 10 lks. wide, 2 ft. deep, in bottom of ravine, course N. 70 W.; asc. 100 ft.
32.60	W. rim of ravine, bears N. 80° W. and S. 80° E.; desc. 60 ft. over rolling land.
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, with brass cap mkd.

150

Survey of the North Boundary, T. 34 S., R. 15 E.

Chains	
	$\frac{1}{4}$ S 34 / S 3 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Desc. 90 ft. over sandstone outcrop.
50.90	Wash, 15 lks. wide, 1 ft. deep, drains NW.; asc. 140 ft. over NE. slope.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of iron post, with brass cap mkd.
	T33S R15E S33 | S34 S4 | S3 T34S 1955
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 55' W., bet. secs. 4 and 33.
	Desc. 200 ft. over broken sandstone on N. slope.
36.10	Wash, 10 lks. wide, 2 ft. deep, drains NW.
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, with brass cap mkd.
	$\frac{1}{4}$ S 33 / S 4 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Asc. 10 ft. over broken sandstone on N. slope.
46.40	E. rim of ravine, bears N. and S.; desc. 160 ft.
52.30	Wash in bottom of ravine, 20 lks. wide, 2 ft. deep, drains N.; asc. 150 ft.
54.40	W. rim of ravine, bears N. and S.; desc. 80 ft. over rolling land.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock, with brass cap mkd.
	T33S R15E S32 | S33 S5 | S4 T34S 1955

Chains	
	Raise a mound of stone, 3½ ft. base, around the iron post, to ... of cap.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 55' W., bet. secs. 5 and 32.
	Desc. 20 ft. over rolling land, through scattered timber.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd. ¼ S 32 / S 5 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to t... of cap.
	Over gently rolling land, through scattered timber.
53.20	Landing strip, 1 ch. wide, bears N. 20° E. and S. 20° W.; asc. ... ft. over gentle E. slope, with no timber.
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. T33S R15E S31 | S32 S6 | S5 T34S 1955
	Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of the iron post.
	Land, east-half, rolling and broken; west-half, gently rolling. Soil, east-half, shallow sand and sandstone outcropping; west-half, shallow sand. Timber, east-half, scattered pinon and juniper; west-half, none.
	S. 89° 55' W., bet. secs. 6 and 31.
	Over nearly level land.
.90	Bladed road, bears SE. and NW.
16.90	Base of ascent, bears NW. and SE.; asc. 130 ft. along NE. talus slope and cliff.
24.00	E. crest of bench, bears N. and SE.; asc. 140 ft. over broken top of bench.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, with brass cap mkd.

Survey of the North Boundary, T. 34 S., R. 15 E.

Chains	
	$\frac{1}{4}$ S 31 / S 6 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Desc. 120 ft. over broken top of bench.
51.50	W. crest of bench, bears NW. and SE.; desc. 200 ft. over cliff and SW. talus slope.
69.70	Asc. 150 ft. over steep E. talus slope and ledges.
73.50	Point of bench, bears N. and S.
79.58	The cor. of Ts. 33 and 34 S., Rs. 14 and 15 E., marked by an iron post conforming to the record contained in the field notes of the survey of T. 34 S., R. 14 E.
	Land, east-half, nearly level; west-half, rolling and broken. Soil, east-half, shallow sand; west-half, shallow sand and sandstone outcropping. Timber, east-half, none; west-half, scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., marked by an iron post conforming to the record contained in the field notes of the survey of T. 35 S., R. 15 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Asc. 240 ft. along SW. talus slope and cliff.
20.60	S. crest of bench, bears N. 80° E. and S. 80° W.; asc. 100 ft. over top of bench.
28.00	Bladed road on top of bench, bears N. 80° E. and W.; desc. 40 ft.
34.90	N. crest of bench, bears E. and SW.; desc. 210 ft. over ledges on 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., 10 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 35 | S 36 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Desc. 20 ft. over rolling land.
47.90	Wash, drains W., 10 lks. wide, 1 ft. deep; asc. 50 ft. over S. slope.
56.50	Top of spur on point of bench, bears SE. and W.; desc. 150 ft. over N. slope.
65.50	Bladed road, bears NE. and SW.

Chains

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

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd.

T34S R15E
S26 | S25
S35 | S36
1955

Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.

Land, rolling and broken.
Soil, shallow sand and sandstone outcropping.
Timber, scattered pinon and juniper.

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

West, bet. secs. 25 and 36.

Desc. 50 ft. along S. slope.

6.40 W. crest of bench, bears NW. and SE.; desc. 270 ft. over ledges and along SW. talus slope.

30.70 Wash, drains NW., 30 lks. wide, 4 ft. deep; desc. 20 ft.

39.97 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd.

¼ S 25
S 36
1955

Raise a mound of stone, 4½ ft. base, around the iron post, to top of cap.

Desc. 20 ft. along NW. slope.

54.20 Bladed road, bears NE. and SW.; desc. 20 ft.

58.40 Wash, drains NW., 10 lks. wide, 6 ft. deep; desc. 50 ft. along NE. slope.

79.94 The cor. of secs. 25, 26, 35 and 36.

Land, east-half, rolling and broken; west-half, nearly level.
Soil, shallow sand and sandstone outcropping.
Timber, scattered pinon and juniper.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., marked by an iron post conforming to the record contained in the field notes of the survey of T. 35 S., R. 15 E.

N. 0° 02' W., bet. secs. 33 and 34.

Asc. 20 ft. over broken sandstone, through scattered timber.

6.60 Sandstone spur, projects W.; desc. 10 ft.

13.60 S. rim of Fortknocker Canyon, bears NE. and SW.; desc. 70 ft.

Chains	
16.40	Wash in bottom of Fortknocker Canyon, drains SW., 40 lks. wide, 6 ft. deep; asc. 70 ft.
28.60	N. rim of Fortknocker Canyon, bears NE. and SW.; asc. 30 ft.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34. Cement an iron post, 12 ins. long, 1 in. diam., 4 ins. in solid sandstone, with brass cap mkd. ¼ S 33 | S 34 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post. Asc. 10 ft. over rolling land.
44.40	Ridge, bears NE. and SW.; desc. 10 ft.
52.20	Wash, 20 lks. wide, 2 ft. deep, drains SW.; asc. 40 ft.
80.00	Point for the cor. of secs. 27, 28, 33 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd. T34S R15E S28 | S27 S33 | S34 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of cap. Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 27 and 28. Desc. 90 ft. over rolling land.
35.70	Wash, 120 lks. wide, 6 ft. deep, drains W.; asc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. ¼ S 28 | S 27 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap. Asc. 20 ft. over broken land.
59.50	Wash, 30 lks. wide, 2 ft. deep, drains SW.; asc. 90 ft.

Chains	
80.00	Point for the cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground to bedrock, with brass cap mkd. T34S R15E S21 | S22 S28 | S27 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post. Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 21 and 22. Desc. 30 ft. along gentle NW. slope.
9.10	Bladed road, bears E. and W.; desc. 10 ft.
21.90	Wash, 50 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft.
40.00	Point for the ¼ sec. cor. of secs. 21 and 22. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd. ¼ S 21 | S 22 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to t of cap. Asc. 20 ft. over gentle W. slope.
50.70	Enter medium dense pinon and juniper; bears NW. and SE.
80.00	Point for the cor. of secs. 15, 16, 21 and 22. Cement an iron post, 1 ft. long, 1 in. diam., 6 ins. in solid sandstone, with brass cap mkd. T34S R15E S16 | S15 S21 | S22 1955 Raise a mound of stone, 4 ft. base, 3 ft. high, W. of the iron post. Land, rolling and broken. Soil, shallow sand. Timber, south-half, scattered pinon and juniper; north-half, medium dense pinon and juniper.
	N. 0° 02' W., bet. secs. 15 and 16. Desc. 40 ft. over broken sandstone.

1.565

Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains	
31.30	Wash, 10 lks. wide, 1 ft. deep, drains W.; desc. 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., 10 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 16 | S 15 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Desc. 10 ft. over steep N. slope.
40.70	Wash, 100 lks. wide, 6 ins. deep, drains W.; asc. 30 ft.
42.00	Top of ascent, bears E. and W.; desc. 10 ft. over NW. slope.
49.20	Wash, 20 lks. wide, 12 ft. deep, drains W.; asc. 10 ft. over SW. slope.
56.50	S. rim of canyon, bears N. 30° E. and S. 30° W.; desc. 40 ft. over NW. slope.
61.40	Wash, 60 lks. wide, 3 ft. deep, drains S. 30° W., in bottom of canyon; asc. 50 ft.
64.60	N. rim of canyon, bears N. 30° E. and S. 30° W.; asc. 10 ft. Leave medium dense timber, bears N. 30° E. and S. 30° W.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T34S R15E S9 | S10 S16 | S15 1955
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the iron post.
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, medium dense pinon and juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Over nearly level land with no timber.
23.00	Enter medium dense timber, bears E. and W.
25.50	Wash, 10 lks. wide, 1 ft. deep, drains NW.; continue over gentle W. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

Chains	
	S 9 | S 10 (¼) 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Asc. 20 ft. along gentle SW. slope.
69.80	Sandy ridge, bears E. and W.; desc. 10 ft.
70.60	Wash, 50 lks. wide, 6 ft. deep, drains W.; desc. 10 ft. over gentle 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., 26 ins. in the ground, with brass cap mkd.
	T34S R15E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post.
	Land, rolling. Soil, sand. Timber, medium dense pinon and juniper.
	N. 0° 19' E., bet. secs. 3 and 4.
	Desc. 10 ft. over broken sandstone.
2.00	Wash, 15 lks. wide, 1 ft. deep, drains W.; asc. 10 ft. over gentle W. slope.
8.00	Top of sandy ridge, bears E. and W.; desc. 20 ft.
36.00	Wash, 20 lks. wide, 1½ ft. deep, drains W.; desc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
	S 4 | S 3 (¼) 1955
	Raise a mound of stone, 5 ft. base, around the iron post, to top of cap.
	Desc. 20 ft. over broken sandstone.
45.60	Wash, 10 lks. wide, 1 ft. deep, drains N. 70° W.; desc. 20 ft.
71.50	Wash, 10 lks. wide, 1 ft. deep, drains NW.; desc. 40 ft.
80.00	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, medium dense pinon and juniper.

Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains	
	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.
	Asc. 170 ft. over sandstone ledges on steep N. slope.
8.10	S. rim of Sheep Canyon, bears E. and W.; asc. 50 ft. over sandstone ledges on N. slope.
20.30	N. crest of bench, bears E. and W.; asc. 50 ft. over rolling land.
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.
	S 2 | ¼ | S 1 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Desc. 10 ft. over rolling land, through scattered timber.
59.00	Wash, 60 lks. wide, 6 ft. deep, course N. 80° W.; asc. 10 ft.
80.00	Point for the cor. of secs. 1, 2, 11 and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 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., 10 ins. in the ground to bedrock, with brass cap mkd.
	T34S R15E S2 | S1 S11 | S12 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.
	S. 0° 02' E., bet. secs. 2 and 3.
	Desc. 10 ft. over S. slope.
1.40	N. rim of canyon, bears N. 70° W. and S. 70° E.; desc. 70 ft.
3.20	Wash in bottom of canyon, 20 lks. wide, 2 ft. deep, drains N. 70° W.; asc. 50 ft.
8.00	S. rim of canyon, bears E. and W.; asc. 150 ft. over rolling land on N. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.

Chains	
	¼ S 3 | S 2 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Asc. 40 ft. along NW. slope.
80.00	Point for the cor. of secs. 2, 3, 10 and 11, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 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.
	T34S R15E S3 | S2 S10 | S11 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 52' W., bet. secs. 2 and 11.
	Over nearly level land, through scattered timber.
39.98	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, with brass cap mkd.
	¼ S 2 S 11 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Asc. 60 ft. along NE. slope.
56.60	Top of ascent, bears NW. and SE.; desc. 90 ft. over gentle W. sl
79.96	The cor. of secs. 2, 3, 10 and 11.
	Land, gently rolling. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 15, 16, 21 and 22.
	S. 89° 56' W., bet. secs. 16 and 21.
	Desc. 140 ft. over broken W. slope.
34.20	E. rim of canyon, bears NE. and SW.; desc. 130 ft.

160

Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains	
37.50	Wash in bottom of canyon, 40 lks. wide, 4 ft. deep, drains SW.; asc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21, falls on a steep E. sandstone slope where the corner cannot be monumented. Mark an (X) at this position.
40.10	Point selected for the witness ¼ sec. cor. of secs. 16 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 16 / S 21 W C 1955
	Asc. 20ft. over steep E. slope.
45.30	W. rim of canyon, bears NE. and SW.; desc. 80 ft. along gentle 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., 2 ins. in the ground to bedrock, with brass cap mkd. T34S R15E S17 | S16 S20 | S21 1955
	Raise a mound of stone, 5 ft. base, around the iron post, to top of cap.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 03' W., bet. secs. 16 and 17.
	Asc. 10 ft. over broken sandstone.
10.00	Wash, 10 lks. wide, 1 ft. deep, drains W.; asc. 20ft.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 17 | S 16 1955
	Desc. 90 ft. over broken sandstone on N. slope.
53.90	Wash, 60 lks. wide, 1 ft. deep, drains N. 70° W.; desc. 40 ft.
62.40	Wash, 30 lks. wide, 1 ft. deep, drains W.; desc. 10 ft.
66.10	Wash, 40 lks. wide, 2 ft. deep, drains SW.; asc. 50 ft.

Chains

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

T34S R15E
S8 | S9
S17 | S16
1955

Raise a mound of stone, 2½ ft. base, around the iron post, to top of cap.

Land, broken.
Soil, shallow sand and sandstone outcropping.
Timber, scattered pinon and juniper.

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

S. 89° 56' W., bet. secs. 9 and 16.

Over nearly level land.

22.00 Base of ascent, bears N. and S.; asc. 240 ft. over talus slope and ledges.

33.50 Broken rim of bench, bears NE. and SW. about 3 chs. to point, thence S.; asc. 40 ft. over broken slope.

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

Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd.

¼ S 9
S 16
1955

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.

Over exposed sandstone on nearly level top of bench; desc. 50 ft.

56.40 Rim of bench, bears N. 10° E. and S. 10° E.; desc. 370 ft. over ledges and talus slope.

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

Land, broken.
Soil, shallow sand and sandstone.
Timber, scattered pinon and juniper.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., marked by an iron post conforming to the record contained in the field notes of the survey of T. 35 S., R. 15 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over rolling and broken land.

1.00 Wash, drains E.; asc. 80 ft. over S. slope.

1632

Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains	
21.00	Top of ascent, bears E. and W.; desc. 200 ft.
27.10	Wash in ravine, course NE.; asc. 200 ft.
38.00	Top of ascent, projects E.; desc. 20 ft. over ledges.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Cement an iron post, 1 ft. long, 1 in. diam., 6 ins. in solid sandstone on large boulder, with brass cap mkd.
	¼ S 32 | S 33 1955
	Raise a mound of stone, 2½ft. base, 2 ft. high, W. of the iron post.
	Desc. 240 ft. over ledges into White Canyon.
48.50	Wash in bottom of White Canyon, 120 lks. wide, 3 ft. deep, course N. 10° W.
53.80	Leave wash, course N. 10° E.; asc. 230 ft. over ledges.
63.00	Top of ascent, bears E. and W.; desc. abruptly 230 ft. over ledges on S. wall of White Canyon.
70.40	Wash in bottom of White Canyon, 120 lks. wide, 4 ft. deep, course N. 80° W.; asc. 260 ft. over ledges on N. wall of White Canyon.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Cement an iron post, 1 ft. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd.
	T.34S R15E S29 | S28 S32 | S33 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Land, broken and precipitous sandstone. Soil, sand. Timber, scattered pinon and juniper.

	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., marked by an iron post conforming to the record contained in the field notes of the survey of T. 35 S., R. 15 E.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken top of bench; desc. 20 ft.
.90	Wash, 10 lks. wide, 1 ft. deep, drains E.; asc. 80 ft.
5.20	Point of bench, bears NW. and SE.; desc. 140 ft. over ledges.
15.00	Bladed road, bears E. and W.; desc. 30 ft.
17.70	Bladed road, bears NW. and SE.; desc. 70 ft.

Chains	
22.90	Bladed road, bears NW. and SE.; desc. 40 ft.
24.50	Bladed road, bears E. and W.; desc. 130 ft.
31.40	Wash, 20 lks. wide, 2 ft. deep, drains E.; asc. 80 ft.
37.00	Top of ascent, bears E. and W.; desc. 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 31 | S 32 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to t of cap.
	Continue over broken top of bench; asc. 40 ft.
43.50	Top of ascent, bears NE. and SW.; desc. 40 ft.
53.80	N. crest of bench, bears NE. and S. 10° W.; desc. 250 ft. along ledges on NW. slope.
60.90	Wash, 30 lks. wide, 3 ft. deep, drains N. 40° E.; asc. 30 ft. along SE. slope.
64.30	Spur on point of bench, projects E.; desc. 30ft.
69.70	Wash, 20 lks. wide, 1 ft. deep, drains E.; asc. 200 ft. over ta and ledges on S. slope.
73.90	S. crest of bench, bears N. 70° W. and S. 70° E.; asc. 30 ft. over broken top of bench.
77.00	Top of ascent, bears NW. and SE.; desc. 40 ft.
80.00	Point for the cor. of secs. 29, 30, 31 and 32, falls on face of sandstone ledge where it is impractical to monument the corner, from which the point selected for the witness cor. of secs. 29, 30, 31 and 32, bears N. 89° 59' E., 14 lks. dist.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, thinly scattered pinon and juniper.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 59' W., bet. secs. 29 and 32.
	Desc. 40 ft. over exposed sandstone.
9.10	N. rim of White Canyon, bears N. 10° W. and SE.; desc. 260 ft. over ledges.
17.10	Wash in bottom of White Canyon, 2 chs. wide, 4 ft. deep, course NW.; asc. 200 ft. over ledges on S. wall of White Canyon.
19.80	S. rim of White Canyon, bears NW. and SE.; asc. 10 ft. over near level land.

. Survey of a Portion of the Subdivision of T. 34 S., R. 15 E.

Chains	
39.94	Point for the ¼ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd. ¼ S 29 / S 32 / 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap. Over nearly level land, through scattered timber.
44.50	Improved road, graded, graveled, Utah State Highway No. 95, bears NW. and SE.
60.40	Wash, 20 lks. wide, 1 ft. deep, drains N. 10° E.; asc. 20 ft.
69.30	Base of ascent, bears N. 10° E. and S. 10° W.; asc. 240 ft. over talus slope.
79.74	The witness cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, 2½ ins. diam., on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T34S R15E WC ← S30 | S29 S31 | S32 1955 Corner is situated at base of vertical cliff, about 20 ft. high.
79.88	True point for the cor. of secs. 29, 30, 31 and 32. Land, broken and precipitous in the east; nearly level in the west. Soil, sand. Timber, thinly scattered pinon and juniper.

General Description

Township 34 South, Range 15 East is for the most part rolling brush-covered sand dunes incised by deep canyons and washes. Most of the township is drained northwesterly by White Canyon, Fortknocker Canyon, and their tributaries. In the north, however, the area drains north into Sheep Canyon and the Colorado River. Island benches are scattered through the township, and a portion of a high mesa is located in the extreme southwest corner. Elevations range from about 4200 feet to 6200 feet above sea level.

The soil is very poor, being sand and sandstone outcropping. Greatest dune development is found in the north central section, on the north (lee) side of the drainage divide.

There are no permanent sources of water within the township. In the winter, early spring, and after violent summer thunder showers water will collect in pot-holes and solution basins. Especially notable in this respect are the Horse Tanks found along the line between sections 16 and 21.

A sparse supply of native grass is present in the more protected areas. Stockmen have constructed a reservoir in the years past, but at present the land affords only limited seasonal grazing.

165

General Description, T. 34 S., R. 15 E.

Utah State Highway No. 95, a graveled, graded road, passes through the southwest portion of the township, connecting the to of Blanding and White Canyon. A trail road in the southeast portion of the township heads Fortknocker Canyon and ends at a reservoir near the center of the township. A bladed mine access road passes through the northwest portion, near a landing field located in section 5.

Thinly scattered pinon and juniper are found in the south, progressing to a medium dense growth in the north. Isolated cottonwood trees are found in some of the deeper washes and canyons, near sub-surface water.

U. S. GOVERNMENT PRINTING OFFICE 16—98500—1

(Feb. 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Glenn R. Haste, Jr.	Chainman
Grant Back	Chainman
Ronald M. Hansen	Flagman
Phil J. West	Cornerman
Bruce B. Baker	Axeman
Dan M. Corbett	Axeman

16—55565-2

CERTIFICATE OF CADASTRAL ENGINEER

1657

I, George D. Voorhees, HEREBY CERTIFY upon honor t
pursuance of special instructions bearing date of the 17th day of March
I have surveyed the east and north boundaries and a portion of the subdivisional
of T. 34 S., R. 15 E.

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

Salt Lake City, Utah
January 10, 1956

George D. Voorhees
Cartographer Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, 1

The foregoing field notes of the survey of the east and north boundaries and a parti
of the subdivisional lines of T. 34 S., R. 15 E., Salt Lake Meridian, Utah

executed by George D. Voorhees
having been critically examined and found correct, are hereby approved.

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

~~CERTIFICATE OF TRANSCRIPT~~

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

~~Chief, Division of Cadastral Engineer~~

U. S. GOVERNMENT PRINTING OFFICE 16—58568-2

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 Subdivisional Lines

of

Township 34 South, Range 16 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

George D. Veerhees, Cartographer Cadastral

Under special instructions dated March 17, *19*55, *which provided*

for the surveys included under Group No. 400, *approved* April 4, 1955

and assignment instructions dated March 30, *19*55

Survey commenced June 30, *19*55

Survey completed September 7, *19*55

U. S. GOVERNMENT PRINTING OFFICE 16—80770-1

INDEX DIAGRAM

Township 34 South, *Range* 16 East

9 6	9 5	8 4	7 15 3	7 17 2 18	6 16 1 5
7	8	9 20	14 10	11	12 4
18	17	19 16 18	14 15	14	13 4
19	20	21	13 22	23	24 3
30	29 22	28	12 27	26	25 2 11
31	21 32	20 33	11 34	35	10 36 1

16—56770-1

2433

Survey of the East and North Boundaries and a Portion of the Subdivisional Lines of T. 34 S., R. 16 E.

Chains

The south boundary of the township was surveyed concurrently with the survey of this township and is described in the field notes of T. 35 S., R. 16 E. The west boundary of the township was surveyed concurrently with the survey of this township and is described in the field notes of T. 34 S., R. 15 E.

The following field notes are those of the east boundary, the north boundary, and a portion of the subdivision of T. 34 S., R. 16 E.; deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 481346, constructed in accordance with standard instrumental specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the southeast corner of T. 34 S., R. 16 E. is, latitude 37° 46' 17.3" N., longitude 110° 06' 06.3" W., as determined by traverse from U.S.G.S. triangulation station "Mine", situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Survey of the East Boundary of T. 34 S., R. 16 E.

Beginning at the cor. of Ts. 34 and 35 S., Rs. 16 and 17 E., which is monumented with an iron post, 3 ins. diam., set, mkd. and witnessed as described in the official record.

North, bet. secs. 31 and 36.

Over rolling land, through dense timber; desc. 20 ft.

Chains	
9.60	Wash, 60 lks. wide, 3 ft. deep, course SW.; asc. 50 ft.
31.10	Top of ascent, bears E. and W.; desc. 50 ft.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	¼ S 36 | S 31 1955
	Enter broken land and scattered timber, bears NE. and SW.; desc. 100 ft. over ledges on steep NE. slope.
45.60	Wash, 90 lks. wide, 2 ft. deep, course NW.; asc. 80 ft. over ledge
49.10	S. rim of canyon, bears N. 80° E. and S. 80° W.; thence by triangulation; desc. 300 ft. over wall.
60.00	Wash in bottom of canyon, 80 lks. wide, 6 ft. deep, course SW.; asc. 300 ft. over canyon wall.
69.50	N. rim of canyon, bears E. and S. 80° W.; end triangulation; asc. 40 ft. Enter rolling land, and dense timber, bears E. and W.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T34S R16E R17E S25 | S30 S36 | S31 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, dense pinon and juniper.

	North, bet. secs. 25 and 30.
	Over rolling and broken land, through dense timber; desc. 60 ft.
15.00	Wash, 150 lks. wide, 1 ft. deep, course S. 70° W.; asc. 160 ft. along 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., 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
	¼ S 25 | S 30 1955
	Continue over rolling and broken land, through dense timber; desc. 10 ft.

Chains	
65.20	Wash, 40 lks. wide, 1 ft. deep, course W.; asc. 20 ft.
71.00	Top of ascent, bears E. and W.; desc. 30 ft.
73.90	Wash, 10 lks. wide, 6 ft. deep, course W.; asc. 40 ft.
80.00	Point for the cor. of secs. 19, 24, 25 and 30.
	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 of post, with brass cap mkd.
	T34S R16E R17E S24 | S19 S25 | S30 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, dense pinon and juniper.
	North, bet. secs. 19 and 24.
	Over rolling and broken land, through dense timber; desc. 20 ft.
3.10	Wash, 50 lks. wide, 3 ft. deep, course W.; desc. 20 ft.
8.20	Wash, 20 lks. wide, 4 ft. deep, course N. 70° W.; desc. 50 ft. along NW. slope.
19.20	Wash, 100 lks. wide, 1 ft. deep, course N. 70° W.; asc. 20 ft.
27.60	S. rim of canyon, bears N. 70° E. and S. 80° W.; desc. 160 ft. over ledges.
30.30	Wash in bottom of canyon, course S. 80° W. on curve from NE.; asc. 130 ft. over ledges on steep S. slope.
36.00	N. rim of canyon, bears NE. and W.; asc. 20 ft.
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, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	¼ S 24 | S 19 1955
	Continue over rolling and broken land, through dense timber; asc. 70 ft. along SW. slope.
63.60	Top of ascent, bears NE. and S. 70° W.; desc. 50 ft.
68.20	Wash, 30 lks. wide, 1 ft. deep, course S. 80° W.; asc. 30 ft.
71.80	Low ridge, bears N. 70° E. and S. 70° W.; desc. 20 ft.
72.10	Wash, 30 lks. wide, 2 ft. deep, course SW.; asc. 60 ft. along SW. slope.
80.00	Point for the cor. of secs. 13, 18, 19 and 24.

Chains	
	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 of post, with brass cap mkd. T34S R16E R17E S13 | S18 S24 | S19 1955 Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, dense pinon and juniper.
	North, bet. secs. 13 and 18. Over rolling land, through medium dense timber; desc. 20 ft. over W. slope.
14.50	Wash, 100 lks. wide, 12 ft. deep, course W.; asc. 50 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd. ¼ S 13 | S 18 1955 Desc. 60 ft. over N. slope.
45.80	Wash, 40 lks. wide, 2 ft. deep, course W.; asc. 60 ft.
64.00	Enter sage flat with no timber, bears E. and W.
68.00	Leave sage flat, enter dense timber and rolling land, bears E. and W.; desc. 30 ft.
74.50	Wash, 10 lks. wide, 3 ft. deep, course NW.; asc. 10 ft.
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 to bedrock, with brass cap mkd. T34S R16E R17E S12 | S7 S13 | S18 1955 Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the iron post. Land, rolling. Soil, sand. Timber, medium dense to dense pinon and juniper.
	North, bet. secs. 7 and 12. Over rolling land, through dense timber.

U. S. GOVERNMENT PRINTING OFFICE 16—68509-1

Survey of the East Boundary of T. 34 S., R. 16 E.

Chains	
6.30	Top of cliff, bears E. and W., about 70 ft. high; desc. 180 ft. over steep N. slope.
16.30	Wash, 30 lks. wide, 2 ft. deep, course W.; asc. 60 ft. over S. slope.
25.50	Top of ascent, bears E. and W.; desc. 30 ft.
29.20	S. rim of Dark Canyon, bears N. 80° E. and NW. Thence by triangulation.
	Desc. over impassable ledges on S. wall of Dark Canyon.
	Note: This portion of Dark Canyon is inaccessible. Approximate topography between canyon rims as scaled from United States Geological Survey preliminary topographic sheets.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12 is inaccessible and is not monumented.
53.00	Wash, course N. 20° W., about 1200 ft. below the S. rim of Dark Canyon; desc. about 300 ft.
72.00	Wash in bottom of Dark Canyon, course W., about 1500 ft. below the S. rim; thence asc. over ledges on N. wall of Dark Canyon.
80.00	Point for the cor. of secs. 1, 6, 7 and 12 is inaccessible and is not monumented.
	Land, rough and broken breaks in bottom of Dark Canyon. Soil, shallow sand and considerable exposed sandstone and shale. Timber, scattered pinon and juniper.
	North, bet. secs. 1 and 6.
	Over rough and broken breaks in Dark Canyon; asc. about 1900 ft. over ledges on N. wall of Dark Canyon.
23.10	N. rim of Dark Canyon, bears E. and W.; asc. 70 ft. over rolling and broken land on S. slope. End of triangulation.
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 to bedrock, with brass cap mkd. ¼ S 1 | S 6 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Over rolling land; desc. 30 ft.
53.00	Wash, 10 lks. wide, 10 ft. deep, course N. 70° E.; asc. 20 ft.
53.60	Top of ascent, bears N. 30° E. and S. 30° W.; desc. 10 ft.
55.00	Wash, 30 lks. wide, 12 ft. deep, course E.; asc. 40 ft.
67.60	Top of ascent, bears NE. and S. 30° W.; desc. 30ft. over broken NW. slope.

Survey of the East Boundary of T. 34 S., R. 16 E.

Chains	
72.60	Wash, 60 lks. wide, 5 ft. deep, course S. 70° W.; asc. 60 ft. over sandstone ledges on S. slope.
80.00	Point for the cor. of Ts. 33 and 34 S., Rs. 16 and 17 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.
	T33S R16E R17E S36 S31 S1 S6 T34S 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

Survey of the North Boundary of T. 34 S., R. 16 E.

	Beginning at the cor. of Ts. 33 and 34 S., Rs. 16 and 17 E.
	N. 89° 57' W., bet. secs. 1 and 36.
	Over rolling and broken land, through scattered timber; desc. 50 ft. along SW. slope.
5.00	Wash, 20 lks. wide, 1 ft. deep, course S.; asc. 70 ft. over ledges.
12.90	Spur, projects S.; desc. 40 ft. over ledges on steep SW. slope.
17.40	Wash, course S.; asc. 80 ft. along SE. slope.
23.80	Sandstone spur, projects S. 30° W.; desc. 100 ft. over ledges.
29.80	Wash, course SW.; asc. 10 ft. over ledges on S. 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.
	¼ S 36 S 1 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, N. of the iron post.
	Asc. 60 ft. over steep E. slope.
43.50	Top of ascent, bears N. and S.; desc. 210 ft. over ledges along SW. slope.
70.60	Wash, 60 lks. wide, 8 ft. deep, course SW.; asc. 10 ft. over S. slope.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4½ ft. base, to top of post, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 10—38080-1

176

Survey of the North Boundary of T. 34 S., R. 16 E.

Chains	
	T33S R16E S35 | S36 S2 | S1 T34S 1955 Land, rolling and broken. Soil, sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	N. 89° 57' W., bet. secs. 2 and 35. Over rolling and broken land, through scattered timber; asc. 90 ft. over ledges on S. slope.
14.50	Sandstone spur, projects S. 30° W.; desc. 100 ft. over W. slope.
30.90	Wash, 40 lks. wide, 6 ft. deep, course S.; asc. 80 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., 24 ins. in the ground, with brass cap mkd. ¼ S 35 / S 2 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post. Over rolling land, through scattered timber and sage; desc. 210 ft. along NW. slope.
80.00	Point for the cor. of secs. 2, 3, 34 and 35. Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4½ ft. base, to top of post, with brass cap mkd. T33S R16E S34 | S35 S3 | S2 T34S 1955 Land, east-half, rolling and broken; west-half, rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 89° 57' W., bet. secs. 3 and 34. Continue over rolling land, through scattered timber and sage; desc. 50 ft. along NW. slope.
16.20	Enter broken and rolling land, through scattered timber, bears NE. and SW.; desc. 70 ft. along NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.

Chains	
	$\frac{1}{4}$ $\frac{S\ 34}{S\ 3}$ 1955
	Continue over rolling and broken land; desc. 80 ft. along 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., 16 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
	T33S R16E S33 | S34 S4 | S3 T34S 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 89° 57' W., bet. secs. 4 and 33.
	Over rolling and broken land, through scattered timber; desc. 130 ft. along NW. slope.
23.47	Point for the witness ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstor and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	$\frac{1}{4}$ W S 33 C S 4 1955
23.60	S. rim of Lean-To Canyon, bears N. 70° E. and SW. Thence by triangulation; desc. about 740 ft. over wall of canyon.
36.60	Wash, course N. 20° W.; asc. about 240 ft. along canyon wall.
40.00	True point for the ¼ sec. cor. of secs. 4 and 33 is inaccessible as it falls on face of canyon wall, in an unsafe position.
56.10	Sandstone spur, projects N. 70° W. from the high point on Black Point Mesa, about 6 chs. SE.; desc. about 600 ft. over ledgy W. slope into Dark Canyon.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	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 of post, with brass cap mkd.
	T33S R16E S32 | S33 S5 | S4 T34S 1955
	Land, east-half, rolling and broken; west-half, rough and broken walls of Lean-To and Dark Canyons. Soil, east-half, sand and sandstone outcropping; west-half, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.

Survey of the North Boundary of T. 34 S., R. 16 E.

Chains	
	N. 89° 57' W., bet. secs. 5 and 32.
	Over rough and broken breaks in bottom of Dark Canyon; desc. about 320 ft. over ledges along SW. slope.
13.50	Wash, in bottom of Dark Canyon, 80 lks. wide, 3 ft. deep, course N. 80° W. on curve from SE.; asc. 80 ft. over steep N. slope.
31.50	Spur, projects N. 70° W.; desc. 40 ft. over W. slope.
33.50	Wash, 50 lks. wide, 1 ft. deep, course N. 20° W.; asc. 10 ft.
36.20	Wash, course NE.; asc. 40 ft. over steep E. slope. Wash heads in 200 ft. cliff about 3 chs. dist. S.
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, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. ¼ S 32 / S 5 / 1955
	Centime over rough and broken breaks in Dark Canyon; desc. 20 ft.
47.50	Wash, 60 lks. wide, 5 ft. deep, course N. 20° E. on curve from W.; asc. 40 ft. along bottom of wash.
52.50	Leave wash; asc. 240 ft. along 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., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T33S R16E S31 | S32 S6 | S5 T34S 1955
	Land, rough and broken breaks in Dark Canyon. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 89° 57' W., bet. secs. 6 and 31.
	Over rough and broken land, through scattered timber; asc. 80 ft. over S. slope.
11.80	Wash, course S. 80° E.; asc. about 880 ft. along ledgy NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 31 / S 6 / 1955

Survey of the North Boundary of T. 34 S., R. 16 E.

Chains	
	Over ledges along steep NE. slope; asc. 60 ft.
41.60	S. rim of Dark Canyon, bears S. 60° E. and N. 70° W. End of triangulation. Asc. 70 ft. over rolling land on E. slope.
60.10	Top of ascent, bears N. and S.; desc. 80 ft. over W. slope.
75.30	N. rim of Sheep Canyon, bears NW. and SE.; desc. 70 ft. over ledges.
77.50	Wash, course S.; asc. 50 ft. over ledges along steep SE. slope.
78.76	The cor. of Ts. 33 and 34 S., Rs. 15 and 16 E.
	Land, east-half, rough and broken breaks in Dark Canyon; west-half, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

	Beginning at the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, which is monumented with an iron post, 2½ ins. diam. firmly set, mkd. and witnessed as described in the official record of the survey of T. 35 S., R. 16 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over broken land, through scattered timber; desc. 40 ft. over ledges along NW. slope of ravine.
3.10	Wash, 80 lks. wide, 5 ft. deep, course SW.; asc. 90 ft. over ledges on steep S. slope.
6.00	N. rim of ravine, bears NE. and S. 30° W.; asc. 50 ft. over rolling land.
23.90	Top of ascent, bears E. and W.; desc. 100 ft. over broken N. slope.
35.90	Wash, course NW.; asc. 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 36 ins. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 35 | S 36 1955
	Continue over broken land; desc. 20 ft.
42.20	Wash, course N. 70° W.; asc. 70 ft. along broken SW. slope.
46.00	S. rim of canyon, bears S. 80° E. and W. Thence by triangulation; desc. 270 ft. over ledges on canyon wall.
53.50	Wash in bottom of canyon, course N. 70° W.; asc. 300 ft. over N. wall.

180

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

Chains	
63.50	N. rim of canyon, bears N. 70° W. and S. 70° E. End triangulation; asc. 60 ft. over rolling land, along SW. slope.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. T34S R16E S26 | S25 S35 | S36 1955 Land, rolling and broken. Soil, sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. N. 89° 54' W., bet. secs. 25 and 36. Over rolling land, through scattered timber; desc. 190 ft. along NW. slope.
31.40	S. rim of canyon, bears NE. and S. 70° W.; desc. 130 ft. over canyon wall.
36.80	Wash, in bottom of canyon, 20 lks. wide, 1 ft. deep, course SW.; asc. 10 ft.
39.98	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, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. ¼ S 25 S 36 1955 Asc. 150 ft. over ledges along SE. slope.
49.90	N. rim of canyon, bears N. 30° E. and S. 60° W.; asc. 20 ft. over rolling land.
69.60	Top of ascent, bears NE. and SW.; desc. 30 ft. over W. slope.
79.96	The cor. of secs. 25, 26, 35 and 36. Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	Beginning at the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, which is monumented with an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of T. 35 S., R. 16 E. N. 0° 02' W., bet. secs. 33 and 34. Over broken land, through scattered timber; asc. 210 ft. over talus and ledges on steep S. slope.

Chains	
4.30	S. rim of bench, bears NE. and SW.; asc. 140 ft. over broken top of bench.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	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 of post, with brass cap mkd.
	¼ S 33 | S 34 1955
	Continue over broken top of bench; asc. 20 ft.
43.20	Spur, projects SE.; desc. 20 ft. along NE. slope.
48.50	Wash, 20 lks. wide, 1 ft. deep, course SE.; asc. 60 ft. along SW. slope.
68.30	Bladed road on top of ascent, bears S. 70° E. and W.; desc. 10 ft
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	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 of post, with brass cap mkd.
	T34S R16E S28 | S27 S33 | S34 1955
	Land, rolling and broken top of bench. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken top of bench, through scattered timber; desc. 100 ft. over N. slope.
8.30	Wash, 10 lks. wide, 1 ft. deep, course N. 10° E.; desc. 10 ft. over E. slope.
12.80	Spur, projects NE.; desc. 40 ft. over N. slope.
21.70	Same wash, 20 lks. wide, 2 ft. deep, course N. 70° W.; asc. 80 ft. along SW. slope.
27.30	Spur on point of bench, projects NW.; desc. 20 ft.
31.70	Wash, course NW.; asc. 50 ft. over W. slope.
39.00	Spur on point of bench, projects N. 20° W.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	¼ S 28 | S 27 1955

Chains	
	Continue over broken top of bench; desc. 70 ft. over steep N. slope.
47.20	N. rim of bench, bears NE. and W.; desc. 310 ft. over ledges and talus along steep NW. slope.
62.60	Enter rolling land and medium dense timber, bears NE. and SW.; desc. 20 ft.
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 bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
	T34S R16E S21 | S22 S28 | S27 1955
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over rolling land, through medium dense timber; desc. 40 ft. over N. slope.
3.40	Wash, 10 lks. wide, 10 ft. deep, course W.; asc. 10 ft. over W. slope.
10.80	Top of ascent, bears N. 70° W. and SE.; desc. 100 ft. along NW. slope.
22.20	Wash, 50 lks. wide, 10 ft. deep, course W.; asc. 70 ft. over S. slope.
27.90	Top of ascent, bears N. 70° W. and S. 70° E.; desc. 60 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., over an(X) on solid sandstone, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.
	¼ S 21 | S 22 1955
	Continue over rolling land; desc. 60 ft. over N. slope.
43.10	S. rim of Lost Canyon, bears NW. and SE. Thence by triangulation; desc. 340 ft. over ledges of canyon wall.
53.00	Wash in the bottom of Lost Canyon, course N. 30° W. on curve from E.; asc. 290 ft. over canyon wall.
72.00	N. rim of Lost Canyon, bears SE. and W.; asc. 30 ft. over rolling land. End of triangulation.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T34S R16E S16 | S15 S21 | S22 1955 Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, medium dense pinon and juniper.
	N. 0° 02' W., bet. secs. 15 and 16. Over rolling and broken land, through medium dense timber; asc. 50 ft. along SW. slope.
10.90	Top of ascent, sandstone spur slopes SW.; desc. 30 ft.
13.90	Wash, 15 lks. wide, 1 ft. deep, course SW.; asc. 180 ft. over ledges on steep S. slope.
32.90	Top of ascent, slopes SW.; desc. 50 ft.
37.80	Wash, 120 lks. wide, 15 ft. deep, course W.; asc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4½ ft. base, to top of post, with brass cap mkd. ¼ S 16 | S 15 1955
	Continue over rolling and broken land; desc. 30 ft. over W. slop
49.50	Wash, 10 lks. wide, 3 ft. deep, course SW.; asc. 60 ft. along SW slope.
64.60	Top of ascent, bears NW. and SE.; desc. 100 ft. over ledges on 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., 22 ins. in the ground, with brass cap mkd. T34S R16E S9 | S10 S16 | S15 1955 Raise a mound of stone, 3½ ft. base, 3 ft. high, W. of the iron post. Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, medium dense pinon and juniper.
	N. 0° 02' W., bet. secs. 9 and 10.

Chains	
	Over rolling and broken land, through medium dense timber; desc. 40 ft.
2.20	Wash, 110 lks. wide, 30 ft. deep, course NW.; asc. 40 ft. along SW. slope.
8.00	Top of ascent, bears N. 60° W. and E.; desc. 60 ft. over N. slope.
13.90	Wash, 20 lks. wide, 1 ft. deep, course W.; asc. 60 ft. over W. slope.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	¼ S 9 | S 10 1955
	Continue over rolling and broken land; desc. 60 ft. along NE. slope.
45.50	S. rim of Dark Canyon, bears NW. about 3 chs. dist. on curve to NE. from SE.; desc. 100 ft. over ledges. Thence by triangulation.
48.00	Base of ascent, bears E. and W.; asc. 100 ft. over ledges.
52.70	Point on S. rim of Dark Canyon, projects NE. about 20 lks. dist. to end; desc. about 1540 ft. over canyon wall.
77.20	Wash, in bottom of Dark Canyon, course W.; asc. about 360 ft. over ledges on steep S. slope.
80.00	Point for the cor. of secs. 3, 4, 9 and 10 is inaccessible as it falls on face of a cliff about 100 ft. high.
	Land, south-half, rolling and broken; north-half, broken and rough ledges and breaks in Dark Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, south half, medium dense pinon and juniper; north-half, scattered pinon and juniper.
	From the true point for the cor. of secs. 3, 4, 9 and 10.
	North, bet. secs. 3 and 4.
	Asc. over ledges and cliff on steep S. slope.
4.45	Point selected for the witness cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 36 ins. long, 1 in. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T34S R16E S4 | S3 S9 | S10 W | C 1955
4.70	Sandstone spur, projects from E.; desc. about 170 ft. over cliff.

Chains	
9.10	Wash, course N. 70° W.; asc. about 220 ft. over ledges along SW. slope.
21.50	Top of ascent, slopes W.; desc. about 100 ft. along NW. slope.
34.80	Wash, course SW.; asc. about 1160 ft. over ledges on canyon wall.
40.00	Point for the ¼ sec. cor. of secs. 3 and 4 is inaccessible and is not monumented.
51.30	N. rim of Dark Canyon, bears E. and W.; asc. 80 ft. over rolling and broken land along SW. slope; end of triangulation.
80.42	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township
	Land, south-half, rough and broken ledges and breaks in Dark Canyon; north-half, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and 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.
	Over rolling and broken land, through scattered timber; desc. 100 ft. along SW. slope.
8.10	Wash, 40 lks. wide, 6 ft. deep, course SW.; asc. 50 ft.
14.00	Top of ascent, bears NE. and W.; desc. 50 ft. over S. slope.
20.40	Wash, 100 lks. wide, 8 ft. deep, course W.; asc. 50 ft. over sandstone ledges on W. slope.
23.50	Top of ascent, bears E. and W.; desc. 30 ft. over rolling land on W. slope.
40.14	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. ¼ S 2 | S 1 1955
	Continue over rolling and broken land; desc. 140 ft. along SE. slope.
51.96	N. rim of Dark Canyon, bears SE. and W.
	Set an iron post for witness point, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. W P S 2 | S 1 1955
	Desc. about 1440 ft. over canyon wall.

Chains	
	Note: This portion of Dark Canyon is inaccessible. Approximate topography between canyon rims as scaled from United States Geological Survey preliminary topographic sheets.
55.50	Wash, course SW.
80.14	Point for the cor. of secs. 1, 2, 11 and 12 is inaccessible and is not monumented.
	Land, north-half, rolling and broken; south-half, cliffs and rough and broken breaks in Dark Canyon. Soil, north-half, sand and sandstone outcropping; south-half, shallow sand and exposed sandstone. Timber, scattered pinon and juniper.
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.
	S. 0° 02' E., bet. secs. 2 and 3.
	Over rolling and broken land, through scattered timber; asc. 100 ft. over ledges along NW. slope.
18.60	Top of ascent, bears NE. and SW.; desc. 130 ft. along SE. slope.
34.40	Wash, 100 lks. wide, 20 ft. deep, course SW.; asc. 50 ft. along NW. slope.
40.28	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. ¼ S 3 | S 2 1955
	Continue over rolling and broken land; asc. 20 ft.
40.60	Top of ascent, bears NE. and SW.; desc. 190 ft. over S. slope.
66.48	N. rim of Dark Canyon, bears N. 80° E. and S. 80° W.
	Point selected for the witness cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T34S R16E S3 | S2 S10 | S11 W | C 1955
	Desc. about 840 ft. over canyon wall.
	Note: This portion of Dark Canyon is inaccessible. Approximate topography between canyons as scaled from United States Geological Survey preliminary topographic sheets.
80.28	Point for the cor. of secs. 2, 3, 10 and 11 is inaccessible as it falls on face of canyon wall.

Chains	
	Land, rolling and broken. Soil, sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	From the true point for the cor. of secs. 1, 2, 11 and 12. S. 89° 57' W., bet. secs. 2 and 11. Over rough and broken breaks in Dark Canyon, through thinly scattered timber; desc. about 170 ft. over ledges on S. slope. Note: This portion of Dark Canyon is inaccessible. Approximate topography between canyon rims as scaled from United States Geological Survey preliminary topographic sheets.
13.30	Wash, course S. 10° W.
30.00	Enter wash in bottom of Dark Canyon, course W. from S. 80° E.; desc. about 10 ft.
34.00	Leave wash, course S. 80° W. from E.; asc. about 30 ft.
40.00	Point for the ¼ sec. cor. of secs. 2 and 11 is inaccessible and is not monumented.
55.50	Wash, course S. 10° W.; asc. about 640 ft. over ledges and cliffs along steep SE. slope.
80.00	True point for the cor. of secs. 2, 3, 10 and 11. Land, rough and broken ledges and breaks in Dark Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, thinly scattered pinon and juniper.
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rolling and broken land, through scattered timber; asc. 20 ft. over S. slope.
10.40	Top of ascent, bears NE. and SW.; desc. 140 ft. along steep NW. slope.
16.90	Wash, 80 lks. wide, 30 ft. deep, course SW.; asc. 70 ft. along SE. slope.
20.10	Top of ascent, bears NE. and SW.; desc. 30 ft.
22.50	Wash, course SW.; desc. 50 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 16 and 21. Cement an iron post, 12 ins. long, 1 in. diam., 4 ins. in solid sandstone, with brass cap mkd. ¼ S 16 / S 21 1955 Raise a mound of stone, 5 ft. base, 4 ft. high, N. of the iron post.

188

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

Chains	
43.00	E. rim of Lost Canyon, bears NW. and SE.; desc. 500 ft. over abrupt canyon wall.
49.60	Wash in bottom of Lost Canyon, course N. 30° W.; asc. 500 ft. over ledges on canyon wall.
57.00	W. rim of Lost Canyon, bears N. 20° W. and SE.; asc. 10 ft.
68.50	Top of ascent, bears N. and S.; desc. 70 ft. over W. slope.
73.87	Point selected for the witness cor. of secs. 16, 17, 20 and 21.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T34S R16E W ← S17 | S16 C S20 | S21 1955
74.00	E. rim of canyon, bears NE. and SW.; desc. about 300 ft. over canyon wall.
	Note: This portion of the canyon is inaccessible. Approximate topography between canyon rims as scaled from United States Geological Survey preliminary topographic sheets.
78.00	Wash in bottom of canyon, course NE.; asc. about 80 ft.
80.00	Point for the cor. of secs. 16, 17, 20 and 21 is inaccessible as it falls on face of canyon wall about 200 ft. high.
	Land, rolling and broken. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	From the true point for the cor. of secs. 16, 17, 20 and 21.
	N. 0° 03' W., bet. secs. 16 and 17.
	Asc. about 420 ft. over ledges on canyon wall.
10.00	W. rim of canyon, bears N. 20° E. and S. 70° W.; asc. about 80 ft. over steep E. slope.
23.00	Top of ascent, bears E. and W.; desc. about 80 ft. along NE. slope.
27.00	W. rim of Lost Canyon, bears NW. and SE.; desc. about 900 ft. over canyon wall.
38.70	Wash in bottom of Lost Canyon, course NW.; asc. about 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17 is inaccessible and is not monumented.
	Asc. about 840 ft. over ledges on canyon wall.
58.00	E. rim of Lost Canyon, bears E. and W.; asc. about 40 ft. over S. slope.
60.00	Sandstone spur, projects W. from E.; desc. about 40 ft. over N. slope.

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

Chains	
61.00	E. rim of Lost Canyon, bears S. 80° W. and E.; desc. about 680 ft. over cliffs and ledges along steep NW. slope.
80.00	Point for the cor. of secs. 8, 9, 16 and 17 is inaccessible as it falls in an impassable portion of Lost Canyon.
	Land, rough and broken ledges and cliffs in Lost Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinon and juniper.
	From the cor. of secs. 9, 10, 15 and 16.
	S. 89° 55' W., bet. secs. 9 and 16.
	Over rolling and broken land, through scattered timber; asc. 80 ft. over ledges along steep NE. slope.
7.50	Sandstone spur, slopes NW. from SE.; desc. 180 ft. over ledges along broken NW. slope.
40.07	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 9 / S 16 1955
	Continue over broken land; desc. 170 ft. over W. slope.
63.70	Point selected for the witness cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T34S R16E W S8 | S9 C S17 | S16 1955
63.80	E. rim of Lost Canyon, bears N. and S. 30° W.; desc. about 880 ft. over canyon wall.
80.14	The true point for the cor. of secs. 8, 9, 16 and 17.
	Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the tow ship, monumented with an iron post, 2½ ins. diam., firmly set, mk and witnessed as described in the official record of the survey o T. 35 S., R. 16 E.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over rolling and broken top of bench, through scattered timber; desc. 20 ft. along NW. slope.

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

Chains	
10.50	Wash, 10 lks. wide, 1 ft. deep, course SW.; asc. 150 ft. along SW. slope.
29.60	Sandstone spur, slopes SW.; desc. 50 ft.
32.60	Wash, 10 lks. wide, 1 ft. deep, course S. 20° W.; desc. 20 ft.
35.90	Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 10 ft.
37.90	Bladed road, bears W. and SE.; asc. 60 ft. over S. slope.
40.00	Point for the 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, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	¼ S 32 | S 33 1955
	Continue over broken top of bench; asc. 100 ft. along SW. slope.
48.90	Bladed road on top of ascent, bears NW. and SE.; desc. 140 ft. over steep N. slope.
56.40	Wash, 30 lks. wide, 1 ft. deep, course W.; asc. 90 ft. over ledges along SW. slope.
63.00	Sandstone spur, projects SW. from E.; desc. 70 ft. along NW. slope.
66.90	Bladed road, bears N. 70° E. and W.; desc. 10 ft.
67.40	Wash, 20 lks. wide, 2 ft. deep, course S. 70°W.; asc. 10 ft.
68.90	Bladed road, bears N. 70° W. and S. 70° E.; asc. 20 ft.
71.00	Top of ascent, bears E. and W.; desc. 80 ft. over N. slope.
75.30	Bladed road, bears E. and W., at junction with wash, course NW.; asc. 30 ft. over W. slope.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.
	T34S R16E S29 | S28 S32 | S33 1955
	Land, rolling and broken top of bench. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., firmly set, mkd. and witnessed as described in the official record of the survey of T. 35 S., R. 16 E.

N. 0° 03' W., bet. secs. 31 and 32.

Chains	
	Over rolling land, through scattered timber; asc. 140 ft. over S. slope.
21.50	Spur on point of bench, at base of cliff about 150 ft. high, projects SW.; desc. 50 ft. along 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., 6 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. ¼ S 31 | S 32 1955
	Over rolling land; desc. 10 ft.
46.50	Wash, course SW.; asc. 20 ft.
55.50	Wash, course S. 25° W. from N.; asc. 30 ft. along wash.
62.50	Leave wash, bears S. from NE.; asc. over ledges on steep S. slop
76.10	S. rim of bench, bears NE. and N. 70° W.; desc. 10 ft. along NW. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Cement an iron post, 12 ins. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd. T34S R16E S30 | S29 S31 | S32 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 56' W., bet. secs. 29 and 32.
	Over broken top of bench, through scattered timber; desc. 50 ft. over W. slope.
3.70	Wash, 20 lks. wide, 5 ft. deep, course SW.; asc. 20 ft.
6.10	Spur, slopes S.; desc. 180 ft. over ledges along SW. slope.
14.90	Wash, 20 lks. wide, 2 ft. deep, course W.; desc. 10 ft. along bottom.
18.50	Leave wash, course S. 70° W. from E.; asc. 150 ft. over ledges and cliff about 60 ft. high, on steep SE. slope.
29.90	Point of bench, projects S.; desc. 110 ft. over cliff and ledges on steep W. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—28540-1

192

Survey of a Portion of the Subdivision of T. 34 S., R. 16 E.

Chains	
39.50	Wash, 20 lks. wide, 1 ft. deep, course S. 30° W.; asc. 10 ft.
40.02	Point for the ¼ sec. cor. of secs. 29 and 32.
	Cement an iron post, 12 ins. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd.
	¼ S 29 / S 32 / 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of the iron post.
	Continue over broken land; asc. 10 ft.
41.10	Spur, projects S.; desc. 30 ft.
42.40	Wash, course S. 30° E.; asc. 100 ft. over ledges on steep E. slope.
47.60	Point of bench, projects S. from N.; desc. 90 ft. over W. slope.
61.30	Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 20 ft.
66.90	Spur, projects SW.; desc. 20 ft.
67.70	S. rim of bench, bears NE. and S.; desc. 200 ft. over cliff and ledges on steep W. slope.
71.30	Wash, course S.; asc. 200 ft. over ledges and cliff on steep SE. slope.
77.80	S. rim of bench, bears NE. and SW. on point of bench; desc. 20 ft. over W. slope.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling and broken top of bench. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

General Description

Township 34 South, Range 16 East varies from 4100 feet to 6550 feet above sea level. The southwest portion is occupied by a bench, while the remainder of the township is deeply incised by Dark Canyon and Lost Canyon and their many tributaries. The crest of the bench in the southwest serves as a drainage divide. A small area is drained south from the bench, and the remainder of the township is drained north and west into the Colorado River by way of Lost Canyon and Dark Canyon.

No permanent sources of water were found within the township. Dark Canyon contains a small stream fed by springs in the higher country east of the township.

Scattered pinon and juniper in the southwest progresses to dense stands in the northeast. Cottonwoods are found in the canyon bottoms. Many small sage flats are found north of the bench in relatively level areas, but at elevations of over 6000 feet.

Many old Indian camp sites are located in the sage flats south of Lost Canyon and a few are located in similar areas north of Lost Canyon on Lower Horse Flats and Black Point.

A bladed road on the bench passes through the southwest portion of the township, from which numerous drill-access roads depart to the higher portions of the bench.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Glenn R. Haste, Jr.	Chainman
Grant Back	Chainman
Ronald N. Hansen	Flagman
Phil J. West	Cornerman
Bruce B. Baker	Axeman
Don M. Corbett	Axeman

16—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 17th day of March,

I have surveyed the east boundary, the north boundary, and a portion of the subd

ional lines of T. 34 S., R. 16 E.

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

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

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

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

field notes.

Salt Lake City, Utah

February 20, 1956

George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, 1

The foregoing field notes of the survey of the east and north boundaries and a portio

the subdivisional lines of T. 34 S., R. 16 E., Salt Lake Meridian, Utah

executed by George D. Voorhees

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

Earl G. Harrington
Cadastral Engineering Staff Of

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 Of

U. S. GOVERNMENT PRINTING OFFICE 16—53565-8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY OF THE

EAST BOUNDARY

AND THE

NORTH BOUNDARY

AND

PORTION OF THE SUBDIVISIONAL LINES

AND

RETRACEMENT OF THE SOUTH BOUNDARY OF SECTION 36,

AND

TRAVERSE OF THE BOUNDARY OF MANTI-LASAL NATIONAL FOREST IN

SECTION 36

OF TOWNSHIP 34 SOUTH, RANGE 17 EAST

Of the SALT LAKE *Meridian,*

n the State of UTAH

EXECUTED BY

George D. Voorhees, Cadastral Surveyor

nder special instructions dated October 12, *19* 54, *which provided*

or the surveys included under Group No. 403, *approved* November 22, 1954

nd assignment instructions dated May 1, *19* 56

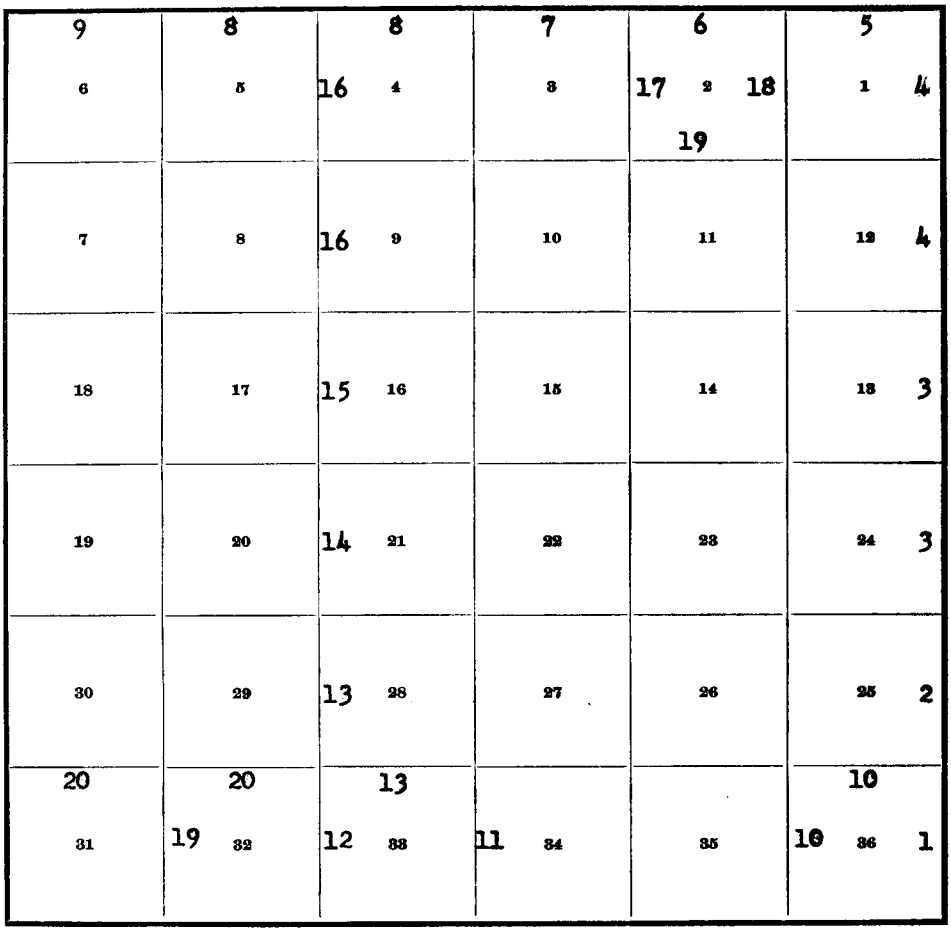
Survey commenced July 16, *19* 56

Survey completed September 14, *19* 56

U. S. GOVERNMENT PRINTING OFFICE 16—50770-1

INDEX DIAGRAM

Township 34 South, *Range* 17 East



16—56770-1

Retracement of the S. bdy. of Sec. 36 is on page 21.

Traverse of the Bdy. of Manti-LaSal National Forest in Sec. 36, on p

The East Boundary, the North Boundary, and a Portion of the Subdivision of T. 34 S., R. 17 E.

Chains

The south boundary of T. 34 S., R. 17 E. was surveyed by Voight and Yundt in 1931. The west boundary was surveyed by G. D. Voorhees in 1955.

The following field notes are those of the survey of the East boundary, the North boundary, and a portion of the subdivisional lines of T. 34 S., R. 17 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered state school sections.

The survey was executed with W. & L. E. Gurley solar transit number 481346, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the southeast corner of the township is latitude 37° 46' 17.1" North, longitude 109° 59' 32.1" West, as determined by section-line traverse from U. S. G. S. Triangulation Station "Mine", situated in Section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the Tp. and the average of the several readings was found to be 15° 00' East.

East Boundary, T. 34 S., R. 17 E.

Beginning at the true point for the cor. of Ts. 34 and 35 S., Rs. 17 and 18 E., from which its witness cor. bears N. 89° 58' W., 8.27 chs. dist., monumented by an iron post, 3 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 35 S., R. 17 E.

North, bet. secs. 31 and 36.

Over rough and broken breaks in Woodenshoe Canyon, through medium-dense timber; desc. about 800 ft. over steep NE. slope on W. wall of Woodenshoe Canyon. Thence by triangulation.

Chains	
	NOTE: The south 5 miles, 28.00 chs. of this boundary were surveyed by a series of triangulations. Only the accessible intervening corners were monumented. Topography along this line was scaled from a reliable U. S. G. S. topographic map.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36, not monumented.
	Desc. about 10 ft.
40.10	Wash in bottom of Woodenshoe Canyon, drains N. 20° W. on curve from S. 50° E.; asc. 20 ft. over ledges on SW. slope.
46.00	Top of ascent, bears E. and W.; desc. about 50 ft. over ledges on NW. slope.
50.50	Enter wash in bottom of Woodenshoe Canyon, drains N. on curve from
53.50	Leave wash, drains N. 80° W. on curve from S.; asc. about 130 ft. over ledges on steep SW. slope.
57.50	W. rim of bench, bears E. and NW.; asc. about 50 ft. over rolling land on top of bench, on SW. slope.
80.00	Point for the cor. of secs. 25, 30, 31, and 36.
	Set an iron post, 1 ins. diam., 36 ins. long, 18 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked T34S R17E | R18E S25 | S30 S36 | S31 1956
	Land, rough and broken Soil, sand and exposed sandstone Timber, medium-dense pinion and juniper.

	North, bet. secs. 25 and 30.
	Over rough and broken land in Woodenshoe Canyon, through medium-dense timber; asc. about 40 ft. over SW. slope.
4.20	Spur, projects SW. from E.; desc. about 20 ft. over NW. slope.
6.50	Wash, drains SW. from E.; asc. about 40 ft. over SW. slope.
8.30	Top of ascent, bears E. and SW.; desc. about 70 ft. over NW. slope.
18.50	Wash, drains W.; asc. about 150 ft. over steep SW. slope.
33.00	Top of ascent, slopes N. 60° W. from S. 60° E.; desc. about 120 ft. over steep NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30, not monumented.
	Desc. about 150 ft. over steep N. slope.
45.80	Wash, drains S. 85° W.; asc. about 530 ft. over steep SW. slope.
69.30	Top of ascent, slopes N. 70° W. from S. 70° E.; desc. about 270 ft. over steep NW. slope.
80.00	Point for the cor. of secs. 19, 24, 25, and 30, not monumented.

East Boundary of T. 34 S., R. 17 E.

Chains	
	Land, rough and broken benches in Woodenshoe Canyon. Soil, sand and exposed sandstone Timber, medium-dense pinion and juniper.
	North, bet. secs. 19 and 24.
	Over rough and broken land, through medium-dense timber; desc. about 30 ft. over steep NW. slope.
8.70	N. rim of bench, bears NW. and SE.; desc. about 300 ft. abruptly over ledges on steep NW. slope.
16.50	Wash, drains N. 30° W.; from SE.; asc. about 260 ft. over ledges on steep SW. slope.
22.50	S. rim of bench, bears N. 60° W. and S. 60° E.; asc. about 240 ft. over steep SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Set an iron post, 1 ins. diam., 36 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked ¼ S24 | S19 1956
	Continue ascent; asc. about 10 ft. over SW. slope.
42.00	Top of ascent, slopes W. from S. 75° E.; desc. about 250 ft. over steep NW. slope.
57.30	N. rim of bench, bears N. 70° E. and S. 70° W.; desc. abruptly about 200 ft. over ledges on steep NW. slope.
61.30	Wash, drains S. 70° W.; asc. about 200 ft. over ledges on steep S. slope.
65.00	S. rim of bench, bears E. and W.; asc. about 190 ft. over SW. slope.
80.00	Point for the cor. of secs. 13, 18, 19, and 24, not monumented.
	Land, rough and broken benches and breaks in Woodenshoe Canyon. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	North, bet. secs. 13 and 18.
	Over rough and broken land, through medium-dense timber; asc. about 10 ft. over SW. slope.
2.00	Top of ascent, slopes NW. from SE.; desc. about 240 ft. over steep NW. slope.
16.00	N. rim of bench, bears SE. and N. 20° W. about 2 chs., thence S. 85° W.; desc. abruptly about 400 ft. over ledges on steep N. slope.
28.60	Wash, drains S. 80° W.; asc. about 370 ft. over ledges on steep S. slope.
39.80	S. rim of bench, bears E. and W.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18, not monumented.

East Boundary, T. 34 S., R. 17 E.

Chains	
	Continue ascent; asc. about 280 ft. over steep SW. slope.
60.80	Top of ascent, slopes W. from E.; desc. about 250 ft. over steep slope. Leave Woodenshoe Canyon, enter Dark Canyon.
72.50	Wash, drains S. 80° W.; asc. about 30 ft. over S. slope.
75.50	Top of ascent, bears E. and W.; desc. about 40 ft. over NW. slope.
80.00	Point for the cor. of secs. 7, 12, 13, and 18, not monumented.
	Land, rough and broken benches in Woodenshoe and Dark Canyons. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.

North, bet. secs. 7 and 12.

Over rough and broken land, through medium-dense timber; desc. abo

2.00	W. rim of bench, bears NE. and SW.; desc. abruptly about 290 ft. over ledges on steep NW. slope.
8.00	Wash, drains S. 80° W.; asc. about 290 ft. over ledges on steep S. slope.
13.50	W. rim of bench, bears N. 80° E. and S. 80° W.; asc. about 60 ft. over S. slope of bench.
17.50	Top of ascent, bears E. and W.; desc. about 60 ft. over N. slope.
20.20	N. rim of bench, bears E. and W.; desc. abruptly about 500 ft. ov ledges on steep NW. slope.
36.00	Wash in bottom of Dark Canyon, drains SW. from N. 70° E; asc. abou 60 ft. over steep SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12, not monumented.
	Asc. 200 ft. over ledges on steep SE. slope.
50.00	Direction of slope changes from SE. to E.; asc. about 40 ft. along ledges on steep E. slope.
64.00	Top of ascent, bears E. and W.; desc. about 80 ft. over steep NE. slope.
68.00	Wash, drains SE.; asc. about 150 ft. over steep SE. slope.
80.00	Point for the cor. of secs. 1, 6, 7, and 12.
	Set an iron post, 1 ins. diam., 36 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

T34S
R17E | R18E
S 1 | S 6
S12 | S 7
1956

Land, rough and broken breaks in Dark Canyon.
Soil, sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

North, bet. secs. 1 and 6.

U. S. GOVERNMENT PRINTING OFFICE 16—28690-2

East Boundary, T. 34 S., R. 17 E.

Chains	
	Over rough and broken land, through medium-dense timber; asc. about 1,330 ft. over N. wall of Dark Canyon.
28.00	N. rim of Dark Canyon; bears NE. and SW.; leave Manti-LaSal National Forest. End of triangulation. Enter dense timber; desc. 50 ft. over gentle NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 6.
	Set an iron post, 2½ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T34S R17E | R18E ¼ S 1 | S 6 1956
	Continue over gentle NW. slope; desc. 110 ft.
59.10	Enter old burn, bears E. and W.
66.70	Small wash, drains W.; asc. 40 ft. over S. slope.
67.10	Leave old burn, bears E. and W.
73.80	Top of ascent, bears E. and W.; desc. 30 ft. over N. slope.
74.80	Bladed road, bears E. and W.
80.00	Point for the cor. of Ts. 33 and 34 S., Rs. 17 and 18 E.
	Set an iron post, 2½ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T33S R17E | R18E S36 | S31 S 1 | S 6 T34S 1956
	Land, S. ½ mile, rough and broken breaks in Dark Canyon; N. ½ mile, rolling and broken Soil, sand and exposed sandstone Timber, S. ½ mile, medium-dense pinion and juniper; N. ½ mile, dense pinion and juniper.

North Boundary, T. 34 S., R. 17 E.

	S. 89° 58' W., bet. secs. 1 and 36.
	Over rolling and broken land, through dense timber; asc. 10 ft. along N. slope.
11.00	Top of ascent, bears NW. and SE.; desc. 70 ft. over N. slope.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

North Boundary, T. 34 S., R. 17 E.

Chains	
	Continue over rolling and broken land; desc. 10 ft. over W. slope
42.90	Jeep trail, bears SE. and NW.; desc. 10 ft. over W. slope.
44.90	Enter same jeep trail, bears NE. and W.; desc. 20 ft. over W. slo
45.80	Leave jeep trail, bears SW. on curve from E.
53.40	Same jeep trail, bears S. 60° W. on curve from S. 20° E.; desc. 2 ft. over W. slope.
61.60	Same jeep trail, bears N. 80° W. on curve from S. 70° E.; desc. 2 ft. over W. slope.
63.90	Slope chainges to SW. from W.; desc. 10 ft.
65.90	N. rim of canyon, bears N. 65° W. on curve from E.; desc. 210 ft. over cliff and ledges on steep SW. slope.
80.00	Point for the cor. of secs. 1, 2, 35, and 36.
	Set an iron post, 2½ ins. diam., 30 ins. long, 25 ins. in the gro with brass cap marked T33SR17E S35 | S36 S 2 | S 1 T34S 1956
	raise a mound of stone, 2½ ft. base, 2½ ft. high, W. of iron post
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	S. 89° 58' W., bet. secs. 2 and 35.
	Over broken land, through dense timber; desc. 30 ft. along S. sle
40.00	Point for the ¼ sec. cor. of secs. 2 and 35.
	Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the gro to bedrock, and in a mound of stone, 3 ft. base, to top of post, brass cap marked T33SR17E ¼ S35 S 2 T34S 1956
	Continue over broken land; desc. 120 ft. over steep SW. slope.
80.00	Point for the cor. of secs. 2, 3, 34, and 35.
	Set an iron post, 2½ ins. diam., 30 ins. long, 13 ins. in the grou to bedrock, and in a mound of stone, 3 ft. base, to top of post, brass cap marked

U. S. GOVERNMENT PRINTING OFFICE 16—98580-2

North Boundary, T. 34 S., R. 17 E.

Chains	
	T33SR17E S34 | S35 S 3 | S 2 T34S 1956
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	S. 89° 58' W., bet. secs. 3 and 34.
	Over rough and broken land, enter scattered timber; desc. about 300 ft. over W. slope. By triangulation.
18.50	Wash, drains N. 70° W. on curve from SE.; desc. about 40 ft.
23.50	Rim at head of canyon, bears NW. and SW.; desc. about 80 ft. over ledges on steep W. slope.
26.00	Enter same wash, drains W.; desc. about 60 ft.
30.50	Leave wash, drains NW. from E.; asc. about 80 ft. over ledges on steep NE. slope.
37.50	S. rim of canyon, bears S. 30° E. and NW.; asc. about 10 ft. over gentle NE. slope on point of bench.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 2½ ins. diam., 30 ins. long, 8 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked T33SR17E ¼ S34 S 3 T34S 1956
40.30	Spur on point of bench, projects NW.; desc. about 10 ft. over gentle SW. slope.
44.50	E. rim of small canyon, bears NW. and SE. about 3 chs., thence SW.; desc. about 220 ft. over ledges on steep SW. slope.
59.00	Wash in bottom of canyon, drains NW.; asc. about 140 ft. over ledges on steep NE. slope.
69.00	Top of ascent, slopes abruptly NW. from SE.; desc. about 100 ft. over ledges on steep NW. slope.
72.50	Wash, drains N. 30° W.; asc. about 190 ft. over ledges on steep NE. slope.
80.00	Point for the cor. of secs. 3, 4, 33, and 34.
	Set an iron post, 2½ ins. diam., 30 ins. long, 2 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T33SR17E S33 | S34 S 4 | S 3 T34S 1956

Chains	
	Monument falls on S. rim of small canyon, bears NW. and SE.; end triangulation. Land, rough and broken Soil, sand and exposed sandstone Timber, scattered pinion and juniper.
	S. 89° 58' W., bet. secs. 4 and 33. Over rough and broken land, through scattered timber; asc. 30 ft. over NE. slope.
4.90	Top of ascent, bears N. and S.; desc. 40 ft. over NW. slope.
18.20	S. rim of Youngs Canyon, bears N. 60° E. and S. 60° W.; thence by triangulation. Desc. about 720 ft. abruptly over cliff and ledge on steep NW. slope, on S. wall of Youngs Canyon.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33. Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) o sandstone surface, and in a mound of stone, 3½ ft. base, to top o post, with brass cap marked T33SR17E 1/4 S33 S 4 T34S 1956 Continue descent; desc. about 380 ft. over Canyon wall.
68.50	Wash in bottom of Youngs Canyon, drains SW. from NE.; asc. about ft. over gentle SE. slope in bottom of Youngs Canyon.
80.00	Point for the cor. of secs. 4, 5, 32, and 33. Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) o sandstone surface, and in a mound of stone, 3½ ft. base, to top o post, with brass cap marked T33SR17E S32 | S33 S 5 | S 4 T34S 1956 Land, rough and broken breaks in Youngs Canyon. Soil, shallow sand and exposed sandstone Timber, scattered pinion and juniper.
	S. 89° 58' W., bet. secs. 5 and 32. Over rough and broken breaks in Youngs Canyon, through scattered timber; asc. about 10 ft. over gentle SE. slope.
3.50	Wash, drains SE.; asc. about 1,000 ft. over steep SE. slope on N. wall of Youngs Canyon.
30.70	N. rim of Youngs Canyon, bears NW. and S. 5° W.; end triangulatio Asc. 10 ft. over gentle E. slope.
40.00	Point for the ¼ sec. cor. of secs. 5 and 32. Set an iron post, 2½ ins. diam., 30 ins. long, 5 ins. in the grou to bedrock, and in a mound of stone, 4 ft. base, to top of post,

Chains	
	with brass cap marked T33SR17E ¼ S32 S 5 T34S 1956
	Continue over nearly level land.
44.10	Crest of bench, bears N. 15° E. and S. 15° W.; desc. 100 ft. over gentle W. slope of bench.
80.00	Point for the cor. of secs. 5, 6, 31, and 32.
	Set an iron post, 2½ ins. diam., 30 ins. long, 14 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T33SR17E S31 | S32 S 6 | S 5 T34S 1956
	Land, E. ½ mile, rough and broken; W. ½ mile, rolling. Soil, sand and exposed sandstone. Timber, scattered pinion and juniper.
	S. 89° 58' W., bet. secs. 6 and 31.
	Over rolling and broken land, through scattered timber; desc. 140 ft. over gentle W. slope of bench.
33.50	Small wash, drains SW.; asc. 40 ft. along S. slope.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 2½ ins. diam., 30 ins. long, 7 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked T33SR17E ¼ S31 S 6 T34S 1956
	Thence by triangulation; desc. about 20 ft. along S. slope.
42.00	E. rim of canyon, bears N. 30° E. and S. 30° W.; desc. about 480 ft. over ledges on steep NW. slope of canyon wall.
52.50	Wash in bottom of canyon, drains SW.; asc. about 540 ft. over ledges on steep E. slope of canyon wall.
69.80	W. rim of canyon, bears N. and SE.; end triangulation. Asc. 10 ft. over gentle E. slope.
70.90	Top of ascent, bears SE. and NW.; desc. 40 ft. over SW. slope.
78.93	The cor. of Ts. 33 and 34 S., Rs. 16 and 17 E., monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 16 E.
	Land, rough and broken Soil, sand and exposed sandstone Timber, scattered pinion and juniper.

Chains	
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp monumented by an iron post, 2 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 35 R. 17 E.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over rolling land, through dense timber; asc. 70 ft. along E. slo
22.00	Top of ascent, bears E. and W.; desc. 50 ft. over NE. slope.
27.80	Bladed road, bears NW. and SE.
28.50	Wash, 30 lks. wide, 2 ft. deep, drains NW.; asc. 10 ft. over SW. slope.
33.30	Wash, 25 lks. wide, 2 ft. deep, drains S. 75° W.; asc. 20 ft. ove SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 2½ ins. diam., 30 ins. long, 2 ins. in the grou to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked ¼ S35 | S36 1956
	Continue ascent; asc. 10 ft. over SW. talus slope.
41.30	Head of wash, 20 lks. wide, 3 ft. deep, drains W.
44.10	Head of wash, 25 lks. wide, 5 ft. deep, drains W.; asc. 10 ft.
47.50	Head of wash, 20 lks. wide, 8 ft. deep, drains W.; asc. 50 ft. ov cliff.
52.30	W. rim of butte, bears S. 20° E. and N. 20° W.; asc. 20 ft. over broken top of butte.
56.20	Rim of N. point of butte, bears W. about 50 lks. thence S. and E. about 1 ch. thence S. 20° E. Thence by triangulation; desc. about 200 ft. over cliff, about 40 ft. high, and talus on steep N. slop
67.50	Wash, drains N. 85° W.; asc. about 20 ft. over SW. slope.
73.50	Top of ascent, bears E. and W.; desc. about 30 ft. over NW. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36. End triangulation
	Set an iron post, 2½ ins. diam., 30 ins. long, 15 ins. in the grou to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T34S|R17E S26 | S25 S35 | S36 1956
	Land, rolling and broken Soil, sand and exposed sandstone Timber, dense pinion and juniper with grassy clearings.
	From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the T
	N. 89° 53' W., bet. secs. 25 and 36.

U. S. GOVERNMENT PRINTING OFFICE 16—28590-2

Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
	Over rough and broken breaks in Woodenshoe Canyon; by triangulation. Desc. about 50 ft. over gentle W. slope of bench.
7.50	W. rim of bench, bears N. 10° W. and S. 10° E.; desc. abruptly about 100 ft. over ledges on steep W. slope.
12.50	Enter wash in bottom of Woodenshoe Canyon, drains W. on curve from S.
16.00	Leave wash, drains NW. on curve from E.; asc. about 900 ft. over steep NE. slope of W. wall of Woodenshoe Canyon.
40.07	True point for the ¼ sec. cor. of secs. 25 and 36 falls in an inaccessible position on W. wall of Woodenshoe Canyon and is not monumented.
56.10	W. rim of Woodenshoe Canyon, bears NW. and SE. Leave Manti-LaSal National Forest. End triangulation.
	Point selected for the witness point bet. secs. 25 and 36.
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked WP S25 S36 1956
	Enter rolling land; desc. 60 ft. over gentle NW. slope.
71.80	Wash, 10 lks. wide, 6 ins. deep, drains NW.; asc. 10 ft. along N. Slope.
80.14	The cor. of secs. 25, 26, 35, and 36.
	Land, E. 3/4 mile, rough and broken breaks in Woodenshoe Canyon; W. ¼ mile, rolling. Soil, sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 35 S., R. 17 E.
	N. 0° 02' W., bet. secs. 33 and 34.
	Over rough and broken land, through dense timber; desc. 10 ft. over NE. slope.
4.00	Bladed road, bears S. 85° W. and S. 80° E.
5.40	Wash, 15 lks. wide, 1 ft. deep; drains NE. about 2 chs. thence N.; desc. 30 ft. over NE. slope.
18.50	Wash, 30 lks. wide, 1 ft. deep, drains N. 30° W.; asc. 80 ft. over SW. slope.
34.50	Top of ascent, bears NW. and SE.; desc. 150 ft. over steep N. slope. Thence by triangulation.
39.20	Wash, 12 lks. wide, 1 ft. deep, drains N. 80° W.; asc. 20 ft. over S. slope.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34;
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on

Chains	
	sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked S33 | S34 1956
	Continue over rough and broken land; asc. about 100 ft. over SW. slope.
51.50	Spur, projects W.; desc. about 10 ft. over NW. slope.
54.50	Small wash, drains N. 75° W.; desc. about 10 ft. along W. slope.
61.00	Small wash, drains N. 60° W.; asc. about 30 ft. along W. slope.
70.00	Top of ascent, bears E. and W.; desc. about 20 ft. over NW. slope
78.00	Small wash, drains S. 65° W.; asc. about 10 ft. over SW. slope.
80.00	Point for the cor. of secs. 27, 28, 33, and 34. End triangulatio
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) o sandstone surface, and in a mound of stone, 3½ ft. base, to top o post, with brass cap marked T34S|R17E S28 | S27 S33 | S34 1956
	Land, rough and broken. Soil, sand and considerable exposed sandstone. Timber, dense pinion and juniper.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the Tp monumented by an iron post, 2 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 35 S R. 17 E.

N. 0° 03' W., bet. secs. 32 and 33.

Over rough and broken land, through dense timber, desc. 260 ft. ov steep NE. slope.

25.00	Wash, 15 lks. wide, 1 ft. deep, drains NE. about 6 chs., thence N. 80° E.; asc. 50 ft. over SE. slope.
33.20	Spur, projects N. 75° E.; desc. 100 ft. over steep N. slope. Then by triangulation.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 2½ ins. diam., 30 ins. long, 10 ins. in the grou to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked S32 | S33 1956
41.50	Small wash, drains NE.; asc. about 40 ft. along E. slope.
47.00	Top of ascent, slopes E. from W.; desc. about 100 ft. over NE. slo
62.50	Small wash, drains S. 60° E.; thence over nearly level land.
76.50	Small wash, drains S. 70° E.; continue over nearly level land.

Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
0.00	Point for the cor. of secs. 28, 29, 32, and 33. Set an iron post, 2½ ins. diam., 30 ins. long, 18 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked T34SR17E S29 | S28 S32 | S33 1956 Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	From the cor. of secs. 27, 28, 33, and 34. S. 89° 57' W., bet. secs. 28 and 33. Over rough and broken land, through dense timber; by triangulation. Desc. about 120 ft. over W. slope.
20.50	Small wash, drains SW.; desc. about 30 ft. over SW. slope.
27.50	E. rim of Black Steer Canyon, bears N. 10° E. and S. 30° W.; desc. abruptly over E. wall of canyon.
39.97	True point for the ¼ sec. cor. of secs. 28 and 33 falls in an inaccessible position on E. wall of Black Steer Canyon, about 600 ft. below rim, and is not monumented. Continue descent.
42.00	Wash in bottom of Black Steer Canyon, drains N.; asc. about 760 ft. over W. wall of canyon, on steep E. slope.
51.50	W. rim of Black Steer Canyon, bears N. 10° W. and SW.
	Point selected for the witness point bet. secs. 28 and 33.
	Set an iron post, 2½ ins. diam., 30 ins. long, 4 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked S28 W S33 P 1956 Over gentle SE. slope; asc. about 100 ft.
76.50	Jeep trail, bears N. and S.
79.94	The cor. of secs. 28, 29, 32, and 33. End triangulation. Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	N. 0° 03' W., bet. secs. 28 and 29. Over rolling and broken land, through dense timber; asc. 10 ft. along gentle E. slope.
16.30	Jeep trail, bears N. 20° W. and S. 20° E.; asc. 10 ft. along gentle E. slope. End triangulation.
22.20	Top of ascent, bears E. and W.; desc. 40 ft. over NE. slope.

Chains	
29.20	Wash, 15 lks. wide, 2 ft. deep, drains E.; asc. 30 ft. over SE. sl
40.00	Point for the ¼ sec. cor. of secs. 28 and 29.
	Set an iron post, 2½ ins. diam., 30 ins. long, 13 ins. in the grou to bedrock, and in a mound of stone, 2½ ft. base, to top of post, with brass cap marked
	¼ S29 | S28 1956
	Continue over rolling and broken land.
41.70	Top of ascent, bears E. and W.; desc. over NE. slope.
53.10	Wash, drains S. 60° E. from N. 30° W.; asc. 40 ft. over SW. slope.
63.00	Slope changes to SE.
73.50	Wash, 20 lks. wide, 6 ins. deep, drains S. 30° E.; asc. 30 ft. ove SW. slope.
80.00	Point for the cor. of secs. 20, 21, 28, and 29.
	Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the grou to bedrock, and in a mound of stone, 2½ ft. base, to top of post, with brass cap marked
	T34SR17E S20 | S21 S29 | S28 1956
	Land, rolling and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	N. 0° 03' W., bet. secs. 20 and 21.
	Over rolling and broken land, through dense timber; asc. 40 ft. ov SW. slope.
20.30	Top of ascent, bears NE. and SW.; desc. 50 ft. over NW. slope.
29.10	Wash, drains N. 60° W. from SE.; asc. 10 ft. along W. slope.
40.00	Point for the ¼ sec. cor. of secs. 20 and 21.
	Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the grou to bedrock, and in a mound of stone, 2½ ft. base, to top of post, with brass cap marked
	¼ S20 | S21 1956
	Continue over rolling and broken land.
46.00	Enter rough and broken land, bears NE. and SW. Thence by triangu- lation; desc. about 190 ft. over ledges on broken NW. slope.
59.00	Wash, drains NW.; asc. about 10 ft.
61.50	Top of ascent, bears W. and SE.; desc. about 10 ft.
63.50	Wash, drains W.; asc. about 40 ft. over SW. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—26680-2

Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
67.00	Top of ascent, bears E. and W.; desc. about 40 ft. over NW. slope.
72.20	Wash, drains W.; asc. about 40 ft. over S. slope.
80.00	Point for the cor. of secs. 16, 17, 20, and 21. End triangulation.

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

T34SR17E
S17 | S16
S20 | S21
1956

Monument is located on spur, projects W.

Land, S. ½ mile, rolling and broken; N. ½ mile, rough and broken.
Soil, sand and exposed sandstone.
Timber, dense pinion and juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over rough and broken land, through medium-dense timber. Thence by triangulation; desc. about 50 ft. over NW. slope.

9.80	Wash, drains N. 85° W.; asc. about 30 ft. over SW. slope.
19.00	Top of ascent, bears N. 60° W. and S. 70° E.; thence over nearly level land on gentle W. slope.
27.47	The S. rim of Dark Canyon, bears S. 60° E. and N. 60° W. about 5 chs. thence N. 10° W. about 5 chs. to end of point.

Point selected for the witness ¼ sec. cor. of secs. 16 and 17.

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

W C
¼
S17 | S16
1956

Desc. abruptly over canyon wall; by triangulation.

40.00	True point for the ¼ sec. cor. of secs. 16 and 17 falls in an inaccessible position on S. wall of Dark Canyon, about 720 ft. below S. rim.

NOTE: The next 122.13 chs. on this line were surveyed by triangulation, and intervening corners, being inaccessible, were not monumented. Topography is scaled from a reliable U. S. G. S. topographic map.

Continue descent over S. wall of Dark Canyon; desc. about 940 ft. over steep NE. slope.

67.00	Wash in bottom of Dark Canyon, drains SW. from NE.; asc. about 100 ft. over cliff on steep NE. slope.
70.00	Narrow spur, projects S. 20° W. about 3 chs. to end; desc. about 80 ft. over cliff on steep NW. slope.
79.00	Base of ascent on right bank of wash, bears W. and SE.

Chains	
80.00	True point for the cor. of secs. 8, 9, 16, and 17 falls about 40 above Dark Canyon wash, and is not monumented.
	Land, S. ½ mile, rolling and broken; N. ½ mile, rough and broken walls in Dark Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, S. ½ mile, medium-dense pinion and juniper; N. ½ mile, scattered pinion and juniper.
	N. 0° 03' W., bet. secs. 8 and 9.
	Over rough and broken N. wall of Dark Canyon; asc. about 1,400 ft over steep SW. slope.
29.10	Sandstone spur, projects W. about 4 chs. to end; desc. abruptly about 800 ft. over steep NW. slope.
40.00	True point for the ¼ sec. cor. of secs. 8 and 9 is in an inaccessible portion of Dark Canyon, and is not monumented.
	Continue descent over steep NW. slope; desc. about 280 ft.
48.50	Wash, drains S. 75° W.; asc. about 1,290 ft. over steep SW. slope on N. wall of canyon.
69.60	N. rim of Dark Canyon, bears W. and S. 50° E. End of triangulatio Asc. 50 ft. over gentle SW. slope.
80.00	Point for the cor. of secs. 4, 5, 8, and 9.
	Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the grour to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
	T34SR17E S 5 | S 4 S 8 | S 9 1956
	Land, rough and broken walls in Dark Canyon. Soil, shallow sand and considerable exposed sandstone. Timber, scattered pinion and juniper.
	N. 0° 08' E., bet. secs. 4 and 5.
	Over rolling and broken land, through scattered timber; asc. 10 ft
3.90	Top of ascent, bears E. and W.; desc. 10 ft. over gentle NW. slope
7.60	S. rim of canyon, bears N. 85° E. and S. 60° W.; thence by triangulation. Desc. about 560 ft. over canyon wall.
23.50	Wash in bottom of canyon, drains S. 80° W.; asc. about 240 ft. ove steep SW. slope on N. wall of canyon.
32.50	N. rim of canyon, bears E. and W.; thence across narrow divide.
34.18	S. rim of Youngs Canyon, bears E. and W.
	Point selected for the witness ¼ sec. cor. of secs. 4 and 5.
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked

Chains	
	T34SR17E W C ¼ S 5 | S 4 1956
40.00	True point for the ¼ sec. cor. of secs. 4 and 5 is inaccessible as it falls on face of S. wall of Youngs Canyon, about 520 ft. below S. rim.
	Continue over canyon wall; desc. about 300 ft. over steep N. slope.
48.50	Wash, drains W.; asc. about 130 ft. over steep SW. slope.
54.00	Top of ascent, slopes W.; desc. about 250 ft. over steep NW. slope.
75.00	Wash in bottom of Youngs Canyon, drains SW.; asc. about 70 ft. over S. slope.
79.90	The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the Tp. End of triangulation.
	Land, rough and broken. Soil, sand and exposed sandstone. Timber, scattered pinion and juniper.
	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 rough and broken land, through dense timber; asc. 10 ft. along W. slope.
3.40	Top of ascent, bears E. and W.; thence by triangulation. Desc. about 50 ft. over SW. slope.
13.00	N. rim of canyon, bears E. and W.; desc. about 180 ft. over ledges on steep S. slope.
21.00	Wash in bottom of canyon, drains NW. about 2 chs., thence W. on curve from E.; asc. about 340 ft. over ledges on steep N. slope.
39.95	Point for the ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 2½ ins. diam., 30 ins. long, 12 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked
	T34SR17E ¼ S 3 | S 2 1956
	Continue over canyon wall; asc. about 200 ft. over steep N. slope.
47.50	S. rim of canyon, bears E. and W.; end of triangulation. Asc. 90 ft. over gentle NW. slope.
74.20	Top of ascent, bears NE. and SW.; desc. 70 ft. over steep SE. slope.
79.55	N. rim of Dark Canyon, bears NE. and W.
	Point selected for the witness cor. of secs. 2, 3, 10, and 11.
	Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked

Chains	
	T34SR17E S 3 | S 2 S10 | S11 W | C 1956
79.95	True point for the cor. of secs. 2, 3, 10, and 11 falls in an in- accessible position on canyon wall, about 80 ft. below N. rim. Land, rough and broken. Soil, sand and exposed sandstone. Timber, dense pinion and juniper.
	From the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the T S. 0° 01' E., bet. secs. 1 and 2. Over rough and broken land on N. wall of canyon, through medium-dense timber; by triangulation. Desc. about 100 ft. over ledges on steep SW. slope.
13.00	Wash, drains W.; asc. about 420 ft. over ledges on steep N. slop on S. wall of canyon.
38.20	S. rim of canyon, bears NW. and E.; end triangulation. Asc. 20 over N. slope of bench.
39.98	Point for the ¼ sec. cor. of secs. 1 and 2. Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) sandstone surface, and in a mound of stone, 3 ft. base, to top o post, with brass cap marked T34SR17E ¼ S 2 | S 1 1956 Continue over rough and broken top of bench; asc. 20 ft. over N. slope.
44.40	Top of ascent, bears N. 75° W. and S. 75° E.; desc. 10 ft. over slope.
51.90	Small wash, drains W.; asc. 40 ft. over NW. slope.
63.50	Top of ascent, bears E. and W.; desc. 50 ft. over SW. slope.
70.50	N. rim of Dark Canyon, bears NW. and S. 80° E.; desc. abruptly 1 ft. over N. wall of canyon.
76.50	Base of descent, bears NW. and E.; desc. 30 ft. over SW. slope e shelf.
79.98	Point for the cor. of secs. 1, 2, 11, and 12. Set an iron post, 2½ ins. diam., 30 ins. long, 20 ins. in the gr to bedrock, with brass cap marked T34SR17E S 2 | S 1 S11 | S12 1956 Deposit a stone, 5 ins. x 4 ins. x 2 ins., marked with a cross (at base of post. Land, rough and broken.

Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
	Soil, sand and considerable exposed sandstone. Timber, medium-dense pinion and juniper.
	S. 89° 49' W., bet. secs. 2 and 11. Over broken land, through medium-dense timber; desc. 10 ft. over gentle SW. slope of shelf on N. wall of Dark Canyon.
4.80	S. rim of shelf; bears S. 30° E. and N. 30° W. about 4 chs., thence W.; desc. abruptly about 600 ft. over ledges on steep SW. slope on N. wall of Dark Canyon. By triangulation.
13.50	Base of ascent, bears NE. and SW.; asc. about 400 ft. over ledges along steep S. slope of canyon wall.
23.00	Spur, projects S.; desc. about 840 ft. over steep SW. slope of wall.
40.03	True point for the ¼ sec. cor. of secs. 2 and 11 is in an inaccessible position on N. wall of Dark Canyon, and is not monumented. Continue over N. wall of canyon; desc. about 280 ft. over steep SW. slope.
47.00	Base of ascent, bears N. 10° E. and S. 10° W.; asc. about 1,320 ft. over precipitous SE. slope of canyon wall.
80.06	The true point for the cor. of secs. 2, 3, 10, and 11. End of triangulation. Land, rough and broken ledges on N. wall of Dark Canyon. Soil, sand and exposed sandstone. Timber; scattered pinion and juniper.
	From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the Tp., monumented by an iron post, 2 ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 35 S., R. 17 E. N. 0° 03' W., bet. secs. 31 and 32. Over rough and broken land, through dense timber; thence by triangulation. Desc. about 10 ft.
2.00	Small wash, drains S. 30° W.; asc. about 120 ft. over S. slope.
22.00	Base of ascent, bears N. 70° E. and S. 80° W.; asc. about 200 ft. over talus and cliff, about 30 ft. high, on steep SE. slope.
27.80	Point of bench, projects SW. End of triangulation; desc. 50 ft. over broken NW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32. Set an iron post, 2½ ins. diam., 30 ins. long, 10 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked ¼ S31 | S32 1956
	Thence by triangulation; desc. about 200 ft. over cliff and ledges on steep NW. slope.

..Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
46.00	Base of descent, bears NE. and SW.; desc. about 80 ft. over nearly level land on gentle NW. slope.
65.50	S. rim of small canyon, bears NE. and SW.; desc. abruptly about 8 ft. over S. wall.
73.50	Wash in bottom of canyon, drains S. 60° W.; about 5 chs. from hea asc. about 80 ft. over N. wall.
76.00	N. rim of canyon, bears N. 70° E. and S. 60° W.; asc. about 50 ft. over S. slope.
80.00	Point for the cor. of secs. 29, 30, 31, and 32. End triangulation.

Set an iron post, 2½ ins. diam., 30 ins. long, over a cross (X) o sandstone surface, and in a mound of stone, 3½ ft. base, to top o post, with brass cap marked

T34SR17E
S30 | S29
S31 | S32
1956

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

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

N. 89° 58' W., bet. secs. 29 and 32.

Over rough and broken land, through dense timber; by triangulation Asc. about 140 ft. over talus and ledges on steep E. slope.

19.00	Crest of bench, bears N. 20° W. and S.; leave dense timber, enter medium-dense timber. Desc. about 260 ft. over ledges and talus o steep W. slope.
40.00	Point for the ¼ sec. cor. of secs. 29 and 32.

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

¼ S29
S32
1956

Continue over W. slope; desc. about 40 ft.

49.50	Wash; drains NW. on curve from S. 80° E.; desc. about 100 ft. over W. slope.
70.00	Wash, drains S. 70° W.; asc. about 10 ft. along S. slope.
80.00	The cor. of secs. 29, 30, 31, and 32.

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, E. ¼ mile, dense pinion and juniper; W. 3/4 mile, medium-dense pinion and juniper.

West, bet. secs. 30 and 31.

Over rough and broken land, through medium-dense timber; desc. 130 ft. over W. slope.

U. S. GOVERNMENT PRINTING OFFICE 16—38590-2

Portion of the Subdivision, T. 34 S., R. 17 E.

Chains	
33.50	Enter wash, 10 lks. wide, 6 ins. deep, drains W.; desc. 70 ft.
36.70	E. rim of canyon, bears NE. and SW.; desc. 120 ft. over ledges on E. wall of canyon.
40.00	Point for the ¼ sec. cor. of secs. 30 and 31.
	Set an iron post, 2½ ins. diam., 30 ins. long, 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap marked ¼ S30 / S31 1956
	Thence by triangulation. Continue over E. wall of canyon; desc. about 120 ft.
42.00	Leave small wash at junction with canyon wash, drains SW.; asc. about 210 ft. over W. wall of canyon.
53.00	Spur on point of bench, projects S. 30° W.; desc. about 210 ft. over steep SW. slope.
63.00	Wash in bottom of small canyon, drains S.; asc. about 160 ft. over ledges on steep SE. slope.
71.50	Spur on point of bench, projects S. 20° W.; end of triangulation. Desc. 50 ft. over SW. slope.
79.35	The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp., monumented by an iron post, 2½ ins. diam., firmly set, marked, and witnessed as described in the field notes of the survey of T. 34 S., R. 16 E.
	Land, rough and broken. Soil, shallow sand and exposed sandstone. Timber, medium-dense pinion and juniper.

Retracement of the S. bdy. of Sec. 36.

This line is retraced for the purpose of determining intersections with the westerly rim of Woodenshoe Canyon, which is the bdy. of the Manti-LaSal National Forest.

From the true point for the cor. of Ts. 34 and 35 S., Rs. 17 and 18 E., in Woodenshoe Canyon.

N. 89° 58' W., along the S. bdy. of sec. 36.

8.27	The witness cor. to cor. of Ts. 34 and 35 S., Rs. 17 and 18 E., monumented by an iron post, 3 ins. diam., firmly set, marked, and witnessed as described in the official record. Also rim of Woodenshoe Canyon, bears NW. and SE.; leave the Manti-LaSal National Forest; thence across point of mesa.
16.10	Rim of canyon, bears NW. and SE.; re-enter Manti-LaSal National Forest; desc. over vertical ledge, about 300 ft. high. Thence across steep S. slope of canyon wall.
25.00	Asc. over vertical ledge, about 300 ft. high.
36.50	Rim of Woodenshoe Canyon, bears NE. and S.; leave Manti-LaSal National Forest.
40.00	The ¼ sec. cor. of secs. 1 and 36, monumented by an iron post, 1 ins.

Chains	
	diam., firmly set, marked, and witnessed as described in the official record.
	End of retracement.
	Traverse of the Bdy. of Manti-LaSal National Forest in Sec. 36.
	The westerly rim of Woodenshoe Canyon is the bdy. of the Manti-La National Forest and is traversed for the purpose of segregating t National Forest area from the Public Domain.
	Beginning at the witness cor. to the cor. of Ts. 34 and 35 S., Rs. 17 and 18 E.
	Thence with the traverse of the Canyon Rim, northwesterly in sec.
	N. 47° 20' W., 9.20 chs.
	N. 02° 45' W., 7.70 chs.
	S. 88° 30' W., 7.00 chs.
	N. 75° 10' W., 5.40 chs.
	N. 47° 15' W., 7.80 chs.
	N. 15° 15' W., 10.20 chs.
	N. 08° 15' E., 9.50 chs.
	N. 09° 00' W., 9.10 chs.
	N. 35° 00' W., 13.50 chs.
	N. 03° 45' W., 14.40 chs.
	N. 61° 45' W., 13.00 chs., to the witness point on the line bet. secs. 25 and 36, S. 89° 53' E., 24.04 chs. dist. from the cor. of secs. 25, 26, 35, and 36.
	Land, rough and broken. Soil, shallow sand and exposed sandstone. Timber, medium-dense pinion and juniper.
	From the point of intersection of the S. bdy. of secs. 36 and the of Woodenshoe Canyon, N. 89° 58' W., 16.10 chs. from the true poin for the cor. of Ts. 34 and 35 S., Rs. 17 and 18 E.
	Thence with the traverse of the Canyon Rim, in sec. 36.
	N. 44° 45' W., 8.43 chs.
	S. 86° 30' W., 6.80 chs.
	S. 21° 30' W., 4.00 chs.
	S. 73° 30' W., 6.50 chs., to the point of intersection of the S. b of sec. 36 and the Canyon Rim, at N. 89° 58' W., 36.40 chs. from the true point for the cor. of Ts. 34 and 35 S., Rs. 17 and 18 E.

U. S. GOVERNMENT PRINTING OFFICE 16—26530-2

220

Traverse of the Bdy. of Manti-LaSal National Forest in Sec. 36.

Chains

Land, rough and broken.
Soil, shallow sand and exposed sandstone.
Timber, medium-dense pinion and juniper.

General Description

About one-third of T. 34 S., R. 17 E. is made up of canyon walls and breaks. Dark Canyon drains westerly through the north-central portion of the Tp. Three large canyons drain into Dark Canyon, namely: Woodenshoe Canyon along the E. bdy., draining N.; Black Steer Canyon in the center, draining N.; and Youngs Canyon in the north-west, draining SW. Nearly 5½ miles of the E. bdy. lies within the Manti-LaSal National Forest.

Elevations range from 4,800 ft. in the bottom of Dark Canyon to 8,000 ft. on the benches in the extreme SE.

Timber, composed of pinion and juniper, varies from medium-dense to dense, increasing in density from west to east.

Undergrowth is predominantly composed of sage and scattered oak-brush. Grasses on the north side of Dark Canyon are almost non-existent, whereas, a more abundant supply is found on the south side.

A spring is located near the S. bdy. of sec. 13, in the bottom of Woodenshoe Canyon.

	Chains	

4-032
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
LeRoy N. McCulley	Principal Assistant
Paul G. Bauer	Chainman
Charles G. Carroll	Chainman
Raymond C. Jenkins	Flagman
Thomas K. Roseberry	Cornerman
Thadious O'B. Collom	Axeman

16—88565-2

223

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 12th day of October,

I have surveyed the east boundary, the north boundary, a portion of the subdivis

lines, and a retracement of the south boundary of sec. 36, and a traverse of th

boundary of Manti-LaSal National Forest in sec. 36, T. 34 S., R. 17 E.

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

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

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

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

field notes.

Salt Lake City, Utah

March 1, 1957

George D. Voorhees
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 17 1957,

The foregoing field notes of the survey of the east boundary, the north boundary, a

of the subdivisional lines, and a retracement of the south boundary of sec. 36,

a traverse of the boundary of Manti-LaSal National Forest in sec. 36, T. 34 S.,

R. 17 E.

executed by George D. Voorhees

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

Acting Cadastral Engineering Staff Of

Chief, Division of Cadastral Engi

CERTIFICATE OF TRANSCRIPT

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

, is a true copy of the original field notes.

Chief, Division of Cadastral Engi

(April 1930)

Book "A"

FIELD NOTES

SEVENTH STANDARD PARALLEL SOUTH

THROUGH

RANGES 16, 15, 14, AND PORTION OF 13 EAST

Of the SALT LAKE *Meridian,*

in the State of UTAH

EXECUTED BY

ROBERT C. YUNDT, SURVEYOR

Under special instructions dated August 31, *19* 28, *which provided for the surveys included under Group No.* 215, *bearing the approval of the Commissioner of the General Land Office under date of* September 24, 1928, *and assignment instructions dated* May 12, *19*30.

Survey commenced October 2nd, *19* 30

Survey completed November 6th, *19* 30

9—181

INDEX DIAGRAM.

Township 35 South, Range _____

31 6	32 5	33 4	34 3	35 2	36 1
SEVENTH STANDARD PARALLEL SOUTH					
8	6	5	R. 16 E. 4	2	1
			R. 15 E.		
7 31	8 32	9 33	10 34	11 35	12 36
15	14	13	11	10	9
			R. 14 E.		
18 31	17 32	16 33	15 34	14 35	13 36
23	22	21	19	18	17
			R. 13 E.		
19 31	20 32	21 33	22 34	23 35	24 36
			27	26	24
30	29	28	27	26	25
31	32	33	34	35	36

6—151

13E. 2454
14E. 245
15E. 24
16E. 2

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 16 E.

Chains

This survey was commenced October 2nd, 1930, and executed with Buff and Buff light mountain transit No.9797 equipped with Smith solar attachment and full vertical circle. The solar attachment of this transit was not used. All azimuths were determined by method of deflection angles and calculated courses, from altitude observations on the sun, hereinafter recorded. The instrument was in good condition, and having been placed in satisfactory adjustment prior to beginning the survey, and tested and found free from appreciable error, was approved by the cadastral engineer on May 12th, 1930. I examined the instrumental adjustments before making the observations hereinafter recorded.

The measurements were made with a Lallie steel ribbon 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 Lufkin standard steel tape 1 chain long and found correct. The measurements were made on the slope, the vertical angle determined with clinometers in good condition, and the slope measurements properly reduced to true horizontal distances, which appear in these notes.

The data furnished with the special instructions give the position of the standard corner of Ts. 35 S., Rs. 16 and 17 E. as follows: latitude 37°41'N., longitude 110°06' W.

October 2nd, 1930: At the standard corner of Ts. 35 S., Rs. 16 and 17 E., hereinafter described, in latitude 37° 41'N., and longitude 110°06'00"W. I made a series of two altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angles, from my reference point, a tree on top of Wooden Shoe Butte, easterly about eight miles distant, and deflecting the angles to the right to the sun:

Observation	Telescope	Sun	Watch time l.m.t.	Vertical Angle	Horizontal angle from tree to sun
1st	Direct	○|	8h 56m	27°29'30"	28°50'00"
	Reversed	|●	8h 58m	27°02'00"	28°21'00"
Mean				27°15'45"	28°35'30"
2nd	Direct	○|	8h 59m	27°58'00"	29°24'30"
	Reversed	|●	9h 00m	27°34'00"	28°58'00"
Mean				27°46'00"	29°11'15"

By 1st observation tree bears S.89°40'50"E.
By 2nd observation tree bears S.89°40'50"E.
Mean true bearing to tree is S.89°40'50"E.

From the standard corner of Ts. 35 S., Rs. 16 and 17 E., which is an iron post, 3 ins. diameter, firmly set, properly marked and witnessed as described in the official record, with transit sighted on reference point, which bears S.89°40'50"E., as determined by altitude observation of the sun October 2nd, 1930, I deflect an angle of 19' to the left, defining an east and west line, thence

West, with the establishment of the Seventh Standard Parallel South, along the S. boundary of section 36, T. 35 S., R. 16 E., on transit line, describing the tangent.

Over rough and broken land, through medium timber and undergrowth; descend 240 feet over general NW. slope to bottom of canyon.

29.00 Left rim of canyon, 75 feet high, bears N.30°E. and S. 30°W.; continue descent.

Chains	
32.00	Bottom of canyon, drains S.20°W.; ascend 60 feet.
34.00	Right rim of canyon, 25 feet high, bears N.30°E. and S.30°W.; descend 5 feet.
	Difference between measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	Small draw, draining S.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the standard ¼ sec. corner, with brass cap marked SC ¼ S 36 1930 from which
	A pinon, 3 ins. diam., bears N.0°05'E., 64 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.85°00'W., 77 lks. dist., marked BT
	Ascend 10 feet over NE. slope.
41.60	Spur, slopes S.; descend 50 feet over gradual SW. slope.
	Difference between measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point
	By 1st set 80.01 chains, By 2nd set, 79.99 chains, the mean of which is
80.00	N. 1 link from tangent. No iron post available.
	Set a sandstone, 26x8x8 ins., 12 ins. in the ground, for the standard corner of secs. 35 and 36, marked SC T35S R16E on N. face, S35 on W face, and S36 on E. face; from which
	A pinon, 3 ins. diam., bears N.29°00'E., 71 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.57°00'W., 82 lks. dist., marked BT
	Land, broken and rough; sandstone formation. Soil, loose sandy loam, with exposed sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black, yellow top and sagebrush. Fair grazing.
	West, along S. boundary of sec. 35, on transit line describing the tangent, which bears S.89°59.3'W.
	Over rough and broken land, through medium timber and undergrowth; descend over gradual SW. slope.
7.00	Right rim of canyon, 200 feet high, bears S.10°E. and N.10°W.; abrupt descent.
18.20	Bottom of canyon, drains N.20°W.; ascend over ledges.
23.00	Left rim of canyon, 150 feet high, bears S.10°E. and N.20°W.; descend 90 feet.

228

7TH STAN. PAR. S.: S. BDY. OF T. 35., R. 16 E.

Chains	
	Difference in measurement of 40.00 chains by two sets of chainmen is 3 links; position of middle point
	By 1st set 39.985 chains, By 2nd set 40.015 chains, the mean of which is
40.00	N. 2 links from tangent.
	Set an iron post, 3 ft. long, 1. in. diam., 30 ins. in the ground, for standard ¼ sec. corner, with brass cap marked SC ¼ S35 1930 from which
	A pinon, 3 ins. diam., bears N.40°45'E., 70 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.40°45'W., 23 lks dist., marked BT
	Descend 34 feet.
46.40	Left rim of canyon, in bend, bears NE. and NW., same as at 23.00 chains point; ascend 350 feet over broken land to sec. corner.
62.90	Ascend N. slope.
76.20	Red sandstone rim, 40 ft. high, bears NW. and SE.
	Difference between measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point
	By 1st set 80.01 chains, By 2nd set 79.99 chains, the mean of which is
80.00	N. 3 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the standard corner of secs. 34 and 35, with brass cap marked SC T35S R16E S34 S35 1930 from which
	A pinon, 3 ins. diam., bears N.56°45'E., 62 lks. dist., marked BT
	A pinon, 6 ins. diam., bears N.58°15'W., 46 lks. dist., marked T35S R16E S34 SC BT
	Land, rough and broken, sandstone formation. Soil, loose sandy loam, with sandstone surface rock; 3rd rate. Timber, juniper and pinon. Undergrowth, black, yellow top and sagebrush. Fair grazing.

West, along S. boundary of section 34, on transit line describing the tangent, which bears S.89°58.6'W.

Chains	
	Over rough and broken land, through scattering timber and undergrowth; ascend 20 feet over rocky NW. slope.
3.20	Spur, slopes N.; descend 40 feet.
8.00	Draw, course N.; ascend 40 feet over NE. slope.
13.90	Spur, slopes N.; descend 320 feet over NW. slope to head of canyon.
28.00	Red sandstone rim, 60 feet high, bears N.45°E. and S. 45°W.
34.50	Head of small canyon, drains N.; ascend 30 feet.
37.90	Spur, slopes N.; descend 10 feet over NW. slope.
	Difference between measurement of 40 chains by two sets of chainmen is 3 links; position of middle point.
	By 1st set 40.015 chains, By 2nd set 39.985 chains, the mean of which is
40.00	N. 5 links from tangent.
	Chisel a cross (X) in solid sandstone at true point for the standard ¼ sec. corner, which falls on sloping sandstone where it is impracticable to set corner monument.
44.84	N. 5 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, over X, marked in solid rock, and surrounded to the top in a mound of stone, for the witness standard ¼ sec. corner, with brass cap marked SC ¼ S34 WC 1930 from which
	A juniper, 3 ins. diam., bears N.15°45'W., 41 lks. dist., marked BT
	Ascend 340 feet over steep rocky NE. slope.
62.70	Blue clay spur, slopes N.; approximately 2 chains S. on this spur is the "Blue Clay Knoll"; descend 630 feet over NW. slope to sec. corner.
75.90	Red sandstone rim, 150 feet high, bears NE. and SW.
	Difference between measurement of 80.00 chains by two sets of chainmen is 4 links; position of middle point
	By 1st set 80.02 chains, By 2nd set 79.98 chains, the mean of which is
80.00	N. 7 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground, over X, marked in solid rock, and surrounded by mound of stone to the top, for the standard cor. of sections 33 and 34, with brass cap marked S C T35S R16E S33 S34 1930 from which

2.30

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 16 E.

Chains	
	A juniper, 3 ins. diam., bears N.4°45'E., 77 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.11°15'W., 47 lks. dist., marked BT
	Land, rough and broken, sandstone formation; general drainage and exposure N. Soil, shallow sandy, clay and shale, with exposed sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, black, buck and rabbit brush. Fair grazing.
	West, along S. boundary of sec. 33, on transit line describing the tangent, which bears S.89°58.0'W.
	Over rough and broken land, through medium timber and undergrowth; descend 45 feet over NW. slope.
5.00	Draw, drains N.; ascend 285 feet over NE. slope to spur.
10.30	Red sandstone rim, 100 feet high, bears NW. and SE.
14.80	Spur, slopes N.; descend 290 feet over NW. slope to draw.
20.20	Red sandstone rim, 200 feet high, bears N. and S.
25.10	Draw, drains N.; ascend 190 feet over NE. slope.
38.20	Ridge, bears NW. and SE.; descend 30 feet.
	Difference of measurement of 40 chains by two sets of chainmen is 2 links; position of middle point.
	By 1st set 39.99 chains, By 2nd set 40.01 chains, the mean of which is
40.00	N. 10 links from the tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the standard ¼ sec. corner, with brass cap marked SC ¼ S33 1930 from which
	A juniper, 3 ins. diam., bears N.30°00'E., 37 lks. dist., marked BT
	A juniper, 3 ins. diam., bears N.59°45'W., 108 lks. dist., marked BT
	Continue descent of 20 feet.
46.00	Draw, drains S.45°E.; ascend 75 feet over SE. slope.
53.00	Ridge, bears N. and S.; descend 375 feet over SW. slope to sec. corner.
64.00	Red sandstone rim, 100 feet high, bears N. and S.
	Difference of measurement of 80.00 chains by two set of chainmen is 3 links; position of middle point

7TH STAN. PAR. S. . S. BDY. OF T. 35 S., R. 16 E.

Chains	
	By 1st set 80.015 chains, By 2nd set 79.985 chains, the mean of which is
80.00	N. 13.00 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the standard corner of secs. 32 and 33, with brass cap marked SC T35S | R16E S32 | S33 1930
	from which
	A pinon, 5 ins. diam., bears N.81°00'E., 88 links dist., marked T35S R16E S33 SC BT
	A juniper, 3 ins. diam., bears N.63°00'W., 191 links dist., marked BT
	Land, rough and broken; general drainage and exposure on first ½ mile is NW. and last ½ mile is SW. Soil, loose sandy loam and red shale; 3rd rate. Timber, juniper and pinon. Undergrowth, buck, sage and yellow top brush. Fair grazing.
	West, along S. boundary of section 32, on transit line describing the tangent, which bears S.89°57.3'W.
	Over rough and broken land, through medium timber and undergrowth; descend 50 feet over SW. slope.
10.50	Draw, course S.; ascend 320 feet over rocky SE. slope to top of spur.
21.80	Red sandstone rim, 100 feet high, bears NE. and SW.
31.80	Red sandstone spur, slopes S.; descend 40 feet to ¼ sec. corner, over SW. slope.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 16 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 5 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for standard ¼ sec. corner, with brass cap marked SC ¼ S32 1930
	from which
	A juniper, 3 ins. diam., bears N.59°15'E., 74 lks. dist., marked BT
	A juniper, 3 ins. diam.; bears N.18°45'W., 13 lks. dist., marked BT
	Continue descent of 370 feet over SW. slope to draw.
50.20	Red sandstone ledge, 150 feet high, bears N. and S.
62.80	Draw, course SE.; ascend 210 feet over SE. slope to spur

242

7TH STAND. PAR. S.: S. BDY. OF T. 35 S., R. 16 E.

Chains	
73.00	Red sandstone rim, 100 feet high, bears N. and S.
74.90	Red sandstone spur, slopes S.; descend 220 feet to corner.
75.00	Red sandstone rim, 100 feet high, bears N. and S.
	Difference of measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point.
	By 1st set 80.01 chains, By 2nd set 79.99 chains, the mean of which is
80.00	N. 20 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to solid rock, and surrounded by mound of stone to the top, for the standard corner of secs. 31 and 32, with brass cap marked
	SC T35S | R16E S31 | S32 1930
	from which
	A pinon, 3 ins. diam., bears N.12°30'E., 15 links dist., marked BT
	A pinon, 3 ins. diam., bears N.80°15'W., 176 links dist., marked BT
	Land, rough and broken; general SW. drainage and exposure. Soil, loose sandy loam with exposed sandstone; 3rd rate. Timber, juniper and pinon. Undergrowth, blackbrush, yellow top and mountain rush. Fair grazing.
	West, along S. boundary of section 31, on transit line, describing the tangent, which bears S.89°56.6'W.
	Over rough and broken land, through scattering undergrowth and timber; descend 110 feet along SW. slope.
14.00	Draw, course SW.; ascend 20 feet.
26.70	Low spur, slopes S.; descend 30 feet over SW. slope.
	Difference of measurement 40.00 chains by two sets of chainmen is nothing.
40.00	N. 24 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard ¼ sec. corner, with brass cap marked
	SC ¼ S31 1930
	from which
	A pinon, 3 ins. diam., bears N.6°30'E., 98 lks. dist., marked BT
	A juniper, 3 ins. diam., bears N.28°15'W., 279 lks. dist., marked BT
	Continue descent of 105 feet over gradual SW. slope to

Chains	
	township corner.
69.00	Stock trail, bears SE. and NW.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	N. 28 links from tangent.

Set an iron post, 3 ft. long, 3 ins. diam., 30 ins. in the ground, for the standard corner of Ts. 35 S., Rs. 15 and 16 E., with brass cap marked

SC
T35S
R15E | R16E
S36 | S31
1930

from which

A pinon, 6 ins. diam., bears N.5°45'W., 154 lks. dist., marked T35S R15E S36 SC BT

Copper Point bears N.41°07'W.

The Chair bears N.14°58'W.

Land, rough and broken; general drainage and exposure SW
Soil, loose sandy loam, with sandstone exposed; 3rd rate
Timber, juniper and pinon.
Undergrowth, blackbrush and yellow top.
Fair grazing.

7TH STAN. PAR. S.; S. BDY. T. 35 S., R. 15 E.

October 7th, 1930: At the standard corner of Ts. 35 S., Rs. 15 and 16 E., in latitude 37°41'N., longitude 110° 13'00"W., I made a series of three altitude observations of the sun for azimuth, each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal deflection angles from my reference point, a tree on Elk Ridge, easterly about 12 miles distant, and deflecting the angles to the right to the sun:

Observation	Telescope	Sun	Watch time app.t.	Vertical Angle	Horizontal Angle from tree to sun
1st	Direct	⊙	8h40m	27°14'00"	31°59'00"
	Reversed	⊙	a.m.	26°44'00"	31°30'30"
Mean				26°59'00"	31°44'45"
2nd	Direct	⊙		27°36'00"	32°29'00"
	Reversed	⊙		27°11'00"	32°02'30"
Mean				27°23'30"	32°15'45"
3rd	Direct	⊙		27°59'00"	32°56'00"
	Reversed	⊙		27°31'00"	32°28'30"
Mean				27°45'00"	32°42'15"

By 1st observation tree bears N.89°59'E.
By 2nd observation tree bears N.89°58'15"E.
By 3rd observation tree bears N.89°58'45"E.
Mean true bearing to tree is N.89°59'E.

I deflect an angle of 1° to the right defining an east and west line, thence

7TH STAN. PAR. S.: S. BDY. OF T. 35 S. R. 15 E.

Chains	
	West, with the establishment of the Seventh Standard Parallel South, along the S. boundary of section 36, T. 35 S., R. 15 E., on transit line describing the tangent.
	Over rough and broken land, through medium timber and undergrowth; descend 120 feet over SW. slope to bottom of White Canyon.
15.20	Right rim of White Canyon, 20 feet high, bears N.60°W. and S.60°E.
23.00	Bottom of White Canyon, drains N.60°W.; ascend 45 feet to ¼ sec. corner.
32.10	Left rim of White Canyon, 20 feet high, bears N.60°W. and S.60°E.
	South 1.80 chains distant to trail, bears E. to the Nook and W. to Fry. Where this trail crosses White Canyon is known as Soldier Crossing.
36.20	The old ungraded wagon road, bears S.20°E. to Bluff, Utah, and N.20°W. to Escalante, Utah, used by the first Mormon Pioneers.
	Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point.
	By 1st set 40.01 chains, By 2nd set 39.99 chains, the mean of which is
40.00	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the standard ¼ section corner, with brass cap marked SC ¼ S36 1930 from which
	A juniper, 5 ins. diam., bears N.59°15'E., 543 lks. dist., marked ¼ S36 SC BT
	The Grave at Soldier Crossing, bears N.71°23'E., 456 lks. dist.
	A gate in fence, bears S.31°36'E.; this fence extends from red sandstone rim to rim of White Canyon, approximately 60 chains in length, and bearing NE. and SW.
	Continue ascent of 275 feet over SE. slope to top of spur.
56.10	Red sandstone rim, 60 feet high, bears N. and S.
56.52	Gate in fence, described at ¼ sec. corner bears S.57° 03'E.
62.90	Spur, slopes N.; descend 30 feet over NW. slope.
	Difference of measurement of 80.00 chains by two sets of chainmen is 3 links; position of middle point,
	By 1st set 40.015 chains, By 2nd set 39.985 chains, the mean of which is
80.00	N. 1 link from tangent.

Chains	
	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground, over X cut in solid rock and surrounded by mound of stone to the top, for the standard corner of sections 35 and 36, with brass cap marked SC T35S | R15E S35 | S36 1930 from which A juniper, 3 ins. diam., bears N.15°45'E., 49 lks. dist., marked BT A juniper, 4 ins. diam., bears N.39°15'W., 58 lks. dist., marked BT. Tree too knotty for other markings. Land, rough and broken, sandstone formation; general drainage NW. Soil, loose sandy loam, with surface sandstone; 3rd rate Timber, juniper and pinon. Undergrowth, black and sage brush, yellow top and buck brush. Fair grazing.
	West, along S. boundary of section 35, on transit line describing the tangent, which bears S.89°59.3'W.
	Over rough and broken land, through scattering timber and medium undergrowth.
4.80	Draw, drains N.60°W.; ascend 140 feet over NE. slope to ¼ sec. corner.
17.80	Low spur, slopes N.
25.10	Small draw, course N.
30.10	Low spur, slopes N.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 2 links from the tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the standard ¼ sec. corner, with brass cap marked SC ¼ S35 1930 from which A juniper, 4 ins. diam., bears N.44°45'E., 36 lks. dist., marked BT No other suitable accessories available.
	Continue ascent of 100 feet to top of spur.
46.50	Small draw, course N.
55.40	Spur, slopes N.; descend 94 feet to draw.
64.20	Draw, drains N.; ascend 42 feet over NE. slope.

236

7TH STAND. PAR. S.: S. BDY. OF T. 35 S., R. 15 E.

Chains	
77.70	Spur, slopes N.; descend 6 feet over NW. slope.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	N. 3 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for the standard corner of secs. 34 and 35, with brass cap marked
	S C T35S | R15E S34 | S35 1930
	from which
	A juniper, 3 ins. diam., bears N.80°45'E., 17 lks. dist., marked BT
	A juniper, 3 ins. diam., bears N.28°45'W., 57 lks. dist., marked BT
	Land, broken, sandstone formation; general drainage and exposure N. Soil, loose sandy loam, clay, and red shale; 4th rate. Timber, juniper and pinon. Undergrowth, black, sage and buck brush. Fair grazing.
	West, along S. boundary of section 34, on transit line deseribing the tangent, which bears S.89°58.6'W.
	Over rough and broken land, through medium timber and undergrowth; ascend over NE. slope.
31.00	Base of sandstone ledge, 370 feet above sec. corner, bears NW. and SE.; ascend over ledges.
32.60	Top of vertical sandstone rim, 160 feet high, bears NW. and SE.; ascend.
36.30	Divide between White and Red Canyons, 825 feet above section corner, bears NW. and SE.; descend 50 feet.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 5 links from the tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, over X, cut in solid rock, and surrounded by a mound of stone to top, for the standard ¼ sec. corner, with brass cap marked
	SC ¼ S34 1930
	from which
	A pinon, 3 ins. diam., bears N.59°15'E., 21 lks. dist., marked BT
	A pinon, 3 ins. diam., bears N.39°45'W., 32 lks. dist., marked BT
	Descend 410 feet over W. slope.

Chains	
70.30	Right rim of Red Canyon, 120 feet high; descend over ledges, bears NE. and SW.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	N. 7 links from tangent.
	On west slope 200 feet below top of rim.
	Set an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground to solid rock, and surrounded by mound of stone to top, for the standard corner of secs. 33 and 34, with brass cap marked SC T35S | R15E S33 | S34 1930 deposit a sandstone, 4x4x4 ins., marked X, at base of post.
	Land, rough and broken, sandstone formation; general drainage and exposure NE. and SW. Soil, loose sandy loam, with sandstone outcroppings; 3rd rate. Timber, juniper and pinon. Undergrowth, black, sage, buck and yellow top brush. Fair grazing.
	West, along S. boundary of section 33, on transit line, describing the tangent, which bears S.89°58'W.
	Over rough and broken land, through medium undergrowth; descend 515 feet to ¼ section corner.
31.60	Spur, slopes NW.
36.60	Draw, course NW.
	Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point By 1st set 40.01 chains, By 2nd set 39.99 chains, the mean of which is
40.00	N. 10 links from the tangent.
	Set an iron post, 3 ft long, 1 in. diam., over X, cut in solid sandstone, and surrounded by mound of stone to the top, for the standard ¼ section corner, with brass cap marked SC ¼ S33 1930
	No other suitable accessories available.
	Continue descent of 60 feet.
45.50	Draw, course NW.; ascend 20 feet.
48.50	Spur, slopes NW.; descend 155 feet.
68.10	Draw, course NW.; ascend 10 feet.
76.70	Spur, slopes N.; descend 40 feet.

238

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 15 E.

Chains	
	Difference of measurement 80.00 chains by two sets of chainmen is 3 links; position of middle point,
	By 1st set 80.015 chains, By 2nd set 79.985 chains, the mean of which is
80.00	N. 13 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the ground to solid sandstone, and surrounded to the top in a mound of stone, for the corner of secs. 32 and 33, with brass cap marked SC T35S | R15E S32 | S33 1930 deposit a sandstone, 6x6x5 ins., marked X, at base of post.
	Land, rough and broken; general drainage and exposure NW. Soil, loose sandy loam, clay and red shale; 3rd rate. Timber, none. Undergrowth, buck, sage, black and yellow top brush. Fair grazing.
	West, along S. boundary of section 32, on transit line, describing the tangent, which bears S.89°57.3'W.
	Over rough and broken land, through scattering timber and medium undergrowth.
1.00	Draw, course SW.; ascend 70 feet.
10.50	Spur, slopes SW.; descend 85 feet.
33.20	Draw, course SW.; thence over rolling land.
	Difference of measurement of 40.00 chains by two sets of chainmen is 2 links; position of middle point,
	By 1st set 40.01 chains, By 2nd set 39.99 chains, the mean of which is
40.00	N. 16 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground to solid rock, and surrounded to the top with a mound of stone, for the standard ¼ sec. corner, with brass cap marked SC ¼ S32 1930 from which
	A juniper, 3 ins. diam., bears N.26°00'W., 108 lks. dist., marked BT
	No other suitable accessories available.
47.30	Top of spur, slopes SW.; descend 80 feet.
51.30	Draw, course SE.; ascend 280 feet to witness section cor.
63.90	Ascend over rocky SE. slope.

Chains	
	Difference of measurement of 79.51 chains by two sets of chainmen is 1 link; position of middle point.
	By 1st set 79.515 chains, By 2nd set 79.505 chains, the mean of which is
79.51	N. 20 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., over X cut in solid rock, and surrounded by mound of stone to the top, for the witness standard corner of secs. 31 and 32, with brass cap marked SC T35S | R15E WC S31 | S32 1930
	No other suitable accessories available.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	N. 20 links from tangent; true point for the standard corner of secs. 31 and 32, falls on sloping clay bank where it is impracticable to set corner.
	Land, rough and broken; general drainage and exposure SW Soil, loose sandy loam and clay, with exposed sandstone; 3rd rate. Timber, scattering juniper and pinon. Undergrowth, sage, black and buck brush. Fair grazing.
	West, along S. boundary of section 31, on transit line, describing the tangent, which bears S.89°56.6'W.
	Over rough and broken land, through scattering timber and undergrowth; ascend 630 feet over sandstone ledges.
17.00	Top of vertical sandstone rim, 150 feet high, bears NE. and SW. Thence over top of spur.
28.30	Top of spur, slopes S.; descend 120 feet to ¼ section corner.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 24 links from tangent; no iron post available.
	Over X cut in solid surface rock, set a sandstone, 24x7x6 ins., marked SC ¼ on N. face, and surrounded in a mound of stone to top, for the standard ¼ sec. corner for section 31, from which
	A pinon, 3 ins. diam., bears N.1°30'E., 241 lks. dist., marked BT
	A juniper, 3 ins. diam., bears N.33°15'W., 162 lks. dist., marked BT
41.60	Head of canyon, drains S.; ascend 400 feet over E. slope
75.10	Spur, projects S.20°W.; descend 20 feet.
	Difference of measurement of 80.00 chains by two sets of chainmen is 8 links; position of middle point,

240

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 15 E.

Chains

By 1st set 80.04 chains,
By 2nd set 79.96 chains, the mean of which is

80.00 N. 28 links from tangent. No iron post available.

Set a sandstone, 26x10x6 ins. ϕ in the ground to solid rock, and surrounded to the top in a mound of stone, marked SC T35S on N. face, R15E on E. face and R14E on W. face, for the standard corner of Ts. 35 S., Rs. 14 and 15 E., from which

A juniper, 3 ins. diam., bears N.20°00'E., 160 lks. dist., marked BT

A pinon, 3 ins. diam., bears N.35°00'W., 39 lks. dist., marked BT

Land, rough and broken; general drainage and exposure S.
Soil, loose sandy loam with exposed sandstone; 3rd rate.
Timber, juniper and pinon.
Undergrowth, sage, service berry and black brush.
Fair grazing.

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 14 E.

October 25, 1930: At the standard corner of Ts. 35 S., Rs. 14 and 15 E., latitude 37°41'N., longitude 110°19'00"W. at 5h 21.6m a.m., l.m.t., or 5h 42.7m a.m., by my watch, which reads correct 105th meridian time as determined by radio signals. I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 10 chains N. After sunrise I lay off the azimuth of Polaris 1°21' and make a meridian mark on second peg, to the east of the mean point in the line determined by observation; I verify the angle by three repetitions.

I deflect an angle of 90°00' to the left, defining an east and west line, thence

West, with the establishment of the Seventh Standard Parallel South, along the S. boundary of section 36, T. 35 S., R. 14 E., on transit line describing the tangent.

Over rough and broken land, through scattering timber and undergrowth; descend 70 feet over W. slope.

4.37 Top of vertical sandstone rim, bearing N. and S. Descend 1060 feet over W. slope, broken by ledges.

Difference of measurement of 40.00 chains by two sets of chainmen is nothing.

40.00 On W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground to solid rock, and surrounded to the top in a mound of stone, for the standard ¼ sec. corner, with brass cap marked

SC
¼ S36
1930

deposit a sandstone, 6x6x6 ins., marked X, at base of post.

Continue descent of 460 feet over broken W. slope.

Chains	
42.80	Slope changes from W. to NW.; continue descent.
	Difference of measurement of 80.00 chains by two sets of chainmen is nothing.
80.00	N. 1 link from the tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 25 ins. in the ground to solid rock, and surrounded to the top in a mound of stone, for the standard corner of secs. 35 and 36, with brass cap marked SC T35S | R14E S35 | S36 1930 deposit a sandstone, 6x6x5 ins., marked X, at base of post.
	Land, rough and broken, sandstone formation; general drainage and exposure NW. Soil, loose sandy loam, with sandstone outcroppings; 3rd rate. Timber, very scattering juniper and pinon. Undergrowth, blackbrush, amole plant and mountain rush. Poor grazing.
	West, along S. boundary of section 35, on transit line, describing the tangent, which bears S.89°59.3'W.
	Over rough and broken land, through very scattering timber and scattering undergrowth; descend 125 feet over NW. slope.
25.20	Draw, drains SW.; ascend 10 feet over SE. slope.
27.50	Spur, slopes S.; descend 30 feet.
31.10	Draw, drains S.; ascend 175 feet over SE. slope.
	Difference of measurement of 40.00 chains by two sets of chainmen is 4 links; position of middle point, By 1st set 40.02 chains, By 2nd set 39.98 chains, the mean of which is
40.00	N. 2 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid sandstone, and surrounded to the top in a mound of stone, for the standard ¼ sec. corner, with brass cap marked SC ¼ S35 1930
	Continue steep ascent of 435 feet over SE. slope to section corner.
54.10	Draw, course S.
64.80	Small spur, slopes S.
68.80	Draw, course S.
	Difference of measurement of 80.00 chains by two sets of chainmen is 3 links; position of middle point,

242

7TH STAN. PAR. S.: S. BDY. OF T. 35 S., R. 14 E.

Chains	
	By 1st set 80.015 chains, By 2nd set 79.985 chains, the mean of which is
80.00	On steep rocky SE. slope, N. 3 links from tangent. Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid sandstone, and surrounded by a mound of stone to the top, for the standard corner of secs. 34 and 35, with brass cap marked SC T35S | R14E S34 | S35 1930 deposit a sandstone, 6x5x4 ins., marked X, at base of post. Land, rough and broken; general drainage and exposure SE. Soil, sandy loam, clay and shale, with sandstone outcroppings; 3rd rate. Timber, very scattering juniper and pinon. Undergrowth, blackbrush, yellow top and amole plant. Poor grazing.
	West, along S. boundary of section 34, on transit line, describing the tangent, which bears S.89°58.6'W. Over rough and broken land, through very scattering timber and scattering undergrowth; ascend 110 feet.
2.60	Spur, slopes S.; descend 70 feet.
14.60	Sandstone rim, 100 ft. high, bears NE. and SW.; desc. 690 ft.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 5 links from the tangent. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the standard ¼ section corner, with brass cap marked SC ¼ S34 1930 deposit a sandstone, 6x4x3 ins., marked X, at base of post. Continue descent of 190 feet to bottom of draw.
61.20	Draw, course SW.; ascend 75 feet to witness section cor.
70.30	Small spur, slopes SW.; continue ascent.
	Difference of measurement of 79.77 chains by two sets of chainmen is 2 links; position of middle point, By 1st set 79.78 chains, By 2nd set 79.76 chains, the mean of which is
79.77	N. 7 links from tangent. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and surrounded to the top with mound of stone, for the witness standard corner of secs. 33 and 34, with brass cap marked

Chains	
	SC T35S | R14E WC S33 | S34 1930 deposit a sandsto
	5x4x3 ins., marked X, at base of post.
80.00	N. 7 links from tangent.
	True point for the standard corner of sections 33 and 34, falls on sloping sandstone, where it is impracticable to set corner monument.
	Land, rough and broken; general drainage and exposure SW Soil, sandy loam, clay and shale; 3rd rate. Timber, very scattering juniper and pinon. Undergrowth, shadscale. Poor grazing.
	West, along S. boundary of section 33, on transit line, describing the tangent, which bears S.89°58'W.
	Over rough and broken land, through scattering undergrowth; ascend 115 feet over SE. slope.
3.20	Spur, slopes S.; descend 40 feet.
3.50	Draw, course SW.; ascend 260 feet.
30.60	Spur, slopes S.; descend 280 feet over SW. slope.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 10 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to solid rock, and surrounded to the top in a mound of stone, for the standard ¼ sec. corner, with brass cap marked SC ¼ S33 1930 deposit a sandstone, 4x4x3 ins., marked X, at base of post.
	Descend 160 feet.
52.10	Draw, course SE.; ascend 45 feet.
54.90	Spur, slopes SE.; descend 75 feet.
68.10	Draw, course SE.; ascend 20 feet.
72.50	Spur, slopes SE.; descend 165 feet.
	Difference of measurement of 80.00 chains by two sets of chainmen is 4 links; position of middle point By 1st set 80.02 chains, By 2nd set 79.98 chains, the mean of which is
80.00	N. 13 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to solid rock, and surrounded by a mound of stone to the top for the standard corner of secs. 32 and

Chains	
	35, with brass cap marked SC T35S | R14E S32 | S33 1930 deposit a sandstone 6x5x4 ins., marked X, at base of post. Land, rough and broken; general drainage SE. Soil, rocky loam, clay and shale; 3rd rate. Timber, none. Undergrowth, shadscale. Poor grazing.
	West, along the S. boundary of section 32, on transit line, describing the tangent, which bears S.89°57.3'W.
	Over broken land, through medium undergrowth; descend 270 feet over broken NW. slope to ¼ sec. corner.
11.10	Small draw, course NW.
12.90	Small spur, slopes NW.
37.60	Draw, course NW.
	Difference of measurement of 40.00 chains by two sets of chainmen is 6 links; position of middle point, By 1st set 40.03 chains, By 2nd set 39.97 chains, the mean of which is
40.00	On flat top of clay spur, projects NW.; N. 16 links. from the tangent. Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for the standard ¼ section corner, with brass cap marked SC ¼ S32 1930 deposit a sandstone, 7x5x4 ins., marked X, at base of post. Ascend 70 feet.
66.00	Spur, slopes NW.; descend 75 feet.
76.40	Bottom of Red Canyon, wash in bottom, 6 chains wide, 3 feet deep, drains NW. Difference of measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point, By 1st set 80.01 chains, By 2nd set 79.99 chains, the mean of which is
80.00	N. 20 links from tangent. True point for the standard corner of secs. 31 and 32 falls in bottom of canyon, subject to overflow by floods, where it is impracticable to set corner monument. West, 2.36 chains distant, set witness corner as described on S. boundary of section 31.

Chains	
	Land, rough and broken; general drainage and exposure NW Soil, rocky clay and shale; 3rd rate. Timber, none. Undergrowth, blackbrush and shadscale. Fair grazing.
	West, along S. boundary of section 31, on transit line, describing the tangent, which bears S.89°56.6'W.
	Over rough and broken land, through scattering undergrow
	Difference of measurement of 2.36 chains by two sets of chainmen is nothing.
2.36	N. 20 links from tangent.
	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in th ground to solid rock, and surrounded by a mound of stone to the top, for the witness standard corner of secs. 31 and 32, with brass cap marked SC T35S | R14E S31 | S32 WC 1930 deposit a sandstone, 6x4x4 ins., marked X, at base of post.
2.40	Sandstone rim, 25 ft. high, bears NW. and SE.; ascend 250 ft. over NE. slope.
16.40	Spur, slopes NW.; descend 5 feet.
24.00	Draw, course NW.; ascend 290 feet to ¼ section corner.
	Difference in measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 24 links from tangent.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to solid sandstone, and surrounded by a mound of stone to the top, for the standard ¼ section corner, wit brass cap marked SC ¼ S31 1930 deposit a sandstone, 6x5x4 ins., marked X, at base of post.
51.50	Ascend broken slope over ledges. Top of left rim of Red Canyon, 200 feet high, bears NW. and SE.; 610 feet above ¼ section corner; also E. edge o Mancos Mesa; descend 300 ft. to canyon.
53.50	Low ridge, bears SE. and NW.; continue descent.
65.80	Head of canyon, drains SW.; ascend 70 feet.
75.80	Spur, slopes S.; descend 35 feet.
	Difference of measurement of 80.00 chains by two sets of chainmen is 2 links; position of middle point, By 1st set 79.99 chains, By 2nd set 80.01 chains, the mean of which is
80.00	N. 28 links from tangent; on SW. slope.

245

7TH STAND. PAR. S.: S. BDY. OF T. 35 S., R. 14 E.

Chains

Set an iron post, 3 ft. long, 3 ins. diam., 2 ins. in the ground, over X cut in solid rock, and surrounded by a mound of stone to top, for the standard corner of T. 35 S., R. 14 E., and T. 35½ S., R. 13 E., with brass marked

SC
T35½S | T35S
R13E | R14E
S36 | S31
1930

No other siutable accessories available.

Land, rough and broken.
Soil, sandy, clay; shale and sandstone outcroppings; 3rd rate.
Timber, none.
Underbrowth, blackbrush and mountain rush.
Fair grazing.

7TH STAN. PAR. S.: S. BDY. OF T. 35½ S., R. 13 E.

November 4th, 1930: At the standard corner of T. 35 S.,R. 14 E. and T.35½ S.,R.13 E., longitude 110°26' W., latitude 37°41'N., at 4h 42m am.l.m.t., or 5h 03.9m a.m., by my watch, which reads correct 105th meridian time as determined by radio signals, I observe Polaris at western elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground, 10 chs. N. After sunrise I lay off the azimuth of Polaris 1°21' and make a meridian mark on the second peg to the east of the mean point in the line determined by observation. I verify the deflection angle by three repetitions, and deflect an angle of 90°00' to the left, defining an east and west line, thence

West, with the establishment of the Seventh Standard Parallel South, along the south boundary of section 36, T. 35½ S., R.13 E., on transit line, describing the tangent.

Over rough and broken land, through medium undergrowth.

Descend 290 feet to bottom of canyon.

8.90 Small spur, slopes S.

26.10 Bottom of canyon, drains NW.; same canyon as noted at 65.80 chains on S. boundary of section 31, T. 35 S.,R. 14 E.; ascend 30 ft.

Difference between measurement of 40.00 chs. by two sets of chainmen is nothing.

40.00 Set an iron post, 3 ft. long, 1 in. diam., over X cut in solid surface rock, and surrounded by a mound of stone to the top, for standard ¼ section corner, with brass cap marked

SC
¼ S36
1930

Continue ascent of 20 feet over NE. slope.

Chains	
40.90	Spur, slopes N.; descend 85 feet.
54.40	Left rim of canyon, 200 feet high, bears NE. and SW.; descend 900 feet over slope broken by ledges.
69.00	Bottom of canyon, drains SW.; ascend 400 feet.
	No difference of measurement of 80.00 chs. by two sets of chainmen.
80.00	N. 1 link from tangent. Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to solid rock, and surrounded by a mound of stone to the top, for standard corner of sections 35 and 36, with brass cap marked SC T35½S | R13E S35 | S36 1930 deposit a sandstone, 4x4x4 ins., marked X, at base of post.
	Land, rough and broken. Soil, loose sandy loam, clay and shale. with sandstone outcroppings; 3rd rate. Timber, none. Undergrowth, sage, black and yellow top brush. Fair grazing.

West, along S. boundary of section 35, on a transit line, describing the tangent, which bears S.89°59.3'W.

Over rough and broken land, through medium undergrowth; ascend 580 feet.

24.30	Top of right rim of canyon, bears NE. and SW.; ascend 220 feet over rocky SE. slope.
36.00	Spur, slopes S.; descend 55 feet.
	No difference of measurement of 40.00 chains by two sets of chainmen.
40.00	N. 2 links from tangent. Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, over X cut in solid rock, and surrounded by a mound of stone to the top, for standard ¼ section corner, with brass cap marked SC ¼ S35 1930 Continue descent of 235 feet to section corner.
65.10	Spur, slopes S.; continue descent over W. slope.
	No difference of measurement of 80.00 chains by two sets of chainmen.
80.00	N. 3 links from tangent. Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground, over X cut in solid rock, and surrounded to the top in a mound of stone, for standard corner of sections 34 and 35, with brass cap marked

218

7TH STAN. PAR. S.: S. BDY. OF T. 35½ S., R. 13 E.

Chains	
	SC T35½S | R13E S34 | S35 1930 Land, rough and broken; general drainage and exposure SW. Soil, loose sandy loam with sandstone outcroppings; 3rd rate. Timber, none. Undergrowth, black and sagebrush. Good grazing.
	West, along S. boundary of section 34, on transit line, describing the tangent, which bears S.89°58.6'W. Over rough and broken land, through medium undergrowth; descend 185 feet over W. slope.
7.60	Begin steeper descent along the westerly edge of Mancos Mesa.
27.20	Left rim of the Colorado River Canyon, 250 feet high, bears NE. and SW.; abrupt descent over ledges.
	Difference of measurement of 40.00 chains by two sets of chainmen is nothing.
40.00	N. 5 links from tangent, on rocky W. slope 560 feet below top of rim. Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, over X cut in solid rock, and surrounded by a mound of stone to the top, for standard ¼ section corner, with brass cap marked SC ¼ S34 1930
56.30	Enter bottom of Colorado River Canyon, 250 feet below ¼ section corner, bears N.30°E. and S.30°W.; thence over nearly level river bottom land, through dense willow brush and cottonwood timber. Difference of measurement of 66.90 chains by two sets of chainmen is nothing.
66.90	N. 6 links from tangent; left bank of the Colorado River bears N.28°E. and S.28°W. Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for the meander corner of fractional section 34, with brass cap marked SC MC / T35½S R13E S34 1930 from which A willow, 4 ins. diam., bears N.35°15'E., 27 links dist., marked BT Raise mound of stone, 3 ft. base, 2 ft. high, E. of corner.

Land, rough and broken.
Soil, loose sandy loam, mixed with sandstone; 3rd rate.
Timber, cottonwood along river bottom.
Undergrowth, sage and black brush, with willows along river bottom.
Fair grazing.

GENERAL DESCRIPTION

The land, over which the Seventh Standard Parallel South, through Ranges 16, 15, 14, and part of 13 East, passes, is rough and broken, with high mesas and deep canyons and draws. The tops of the mesas and the slopes are covered with a growth of juniper and pinon timber. Along the entire line is found a medium growth of black and buck brush, sage, yellow top, shadscale and mountain rush. There is a fair growth of bunch grass, which affords fair grazing for livestock.

The land is used only for the grazing of livestock, On account of the scarcity and inaccessibility of water, and the roughness of the land, not over fifty percent of same can be utilized.

White and Red Canyons cross this line, draining in a northerly direction into the Colorado River. Both canyons have vertical rims, over which it is almost impossible to pass.

The nearest postoffice and supply point is Blanding, Utah, approximately 75 miles easterly. The only means of travel is by saddle horse. There were no permanent settlers along this line.

No surface indications of coal, oil or other minerals were noted during the survey.

CERTIFICATE OF ~~UNITED STATES~~ SURVEYOR

250

I, Robert C. Yundt, Surveyor, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 31st day of August, 1928 received from the district cadastral engineer for Utah, with assignment instructions dated May 12, 1930, I have surveyed the 7th Standard Parallel South, through Rs. 16, 15, 14, and portion of 13 E.,

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

Salt Lake City, Utah
May 6, 1939.

Robert C. Yundt
Surveyor

CERTIFICATE OF APPROVAL

OFFICE OF ~~U.S.~~ SUPERVISOR OF SURVEYS,
Denver, Colo., January 27, 1945.

The foregoing field notes of the survey of the 7th Standard Parallel South, through Rs. 16, 15, 14, and portion of 13 E.

executed by Robert C. Yundt, Surveyor,
under special instructions dated August 31, 1928, and assignment instructions dated May 12, 1930, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

~~U.S.~~ *Supervisor of Surveys.*

CERTIFICATE OF TRANSCRIPT

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

U.S. Supervisor of Surveys.

U.S. GOVERNMENT PRINTING OFFICE: 1934 6—8412

4—680
(Revised May 1934)

FIELD ASSISTANTS

NAMES	CAPACITY
Philander Maxwell	Chainman
Edgar Hayes	Chainman
John Pherson	Chainman

6—

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey

of the

South and East

Boundaries

and a

Portion of the Subdivision

of

Township 35 South Range 12 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor, Robert K. Burgess and Kenneth D. Witt,

Cartographic Survey Aids.

Robert C. Yundt, Cadastral Surveyor, (Chief of Party.)

Under special instructions dated March 5, *1954, which provided*

for the surveys included under Group No. 389, *approved* April 6 1954

and assignment instructions dated May 25, 1955 and May 1, 1956., *19*

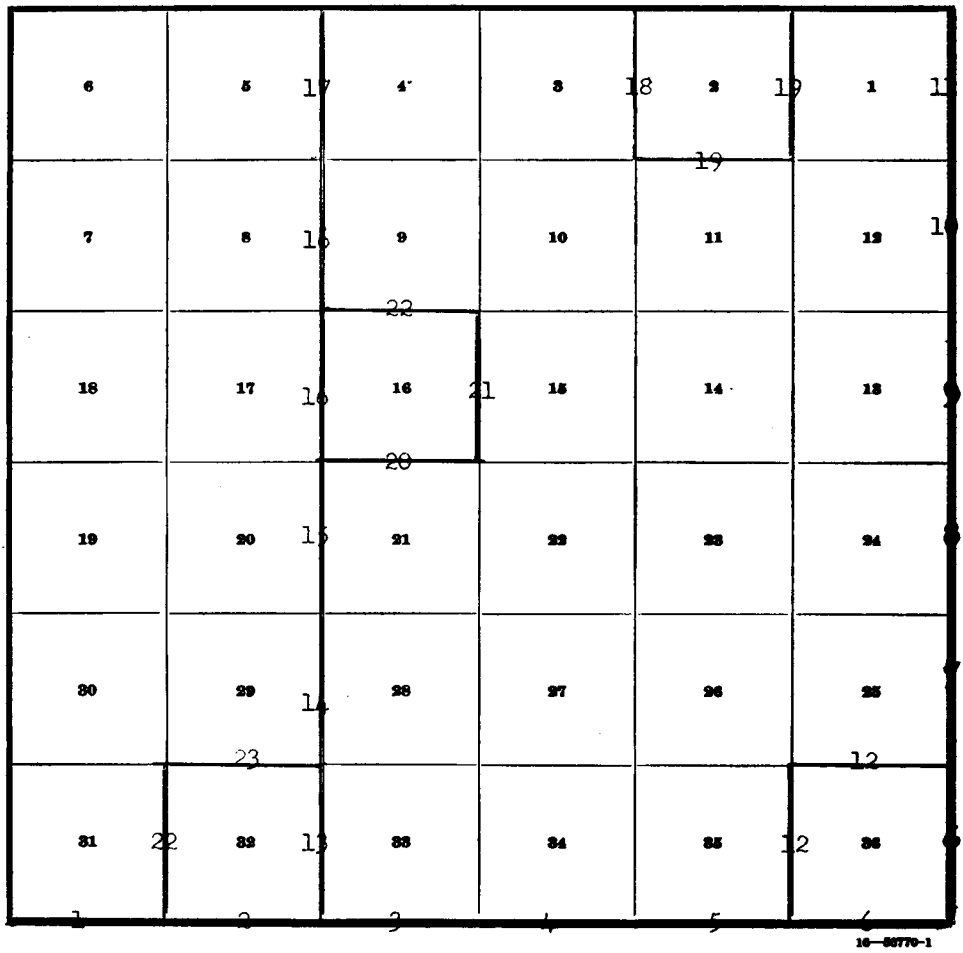
Survey commenced October 7, *19* 55

Survey completed June 4, *19* 56

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

INDEX DIAGRAM

Township 35 South, *Range* 12 East



Lines ruled in red were surveyed by Fred R. Chappell

Lines ruled in blue were surveyed by Robert K. Burgess

Lines ruled in green were surveyed by Kenneth D. Witt

Township 35 South, Range 12 East

Chains

The north and west boundaries of Township 35 South, Range 12 East of the Salt Lake Meridian, Utah, were surveyed concurrently under this group and are described in the field notes of the survey of Township 34 South, Range 12 East, and Township 35 South, Range 11 East respectively. The following field notes are those of a survey of the south boundary, or the Seventh Standard Parallel South, the east boundary, and that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered as State school land, and to facilitate the development of the natural resources. The corners along the latitudinal lines were established at the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with Buff and Buff solar transit number 26066 and W. and L. E. Gurley solar transit number 461263, both being the property of the Bureau of Land Management, and constructed in accordance with their standard specifications. The instruments have full vertical circles and improved type solar attachments. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachments were not used, no description of them will be included here. The instruments were in good adjustment, and prior to the beginning of the field work they were examined and all errors eliminated. They were maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, determined through ties made to the U. S. Coast and Geodetic Survey station "Mesa" in Township 34 South, Range 7 East, is as follows: Latitude 37° 42' 49.7" North and Longitude 110° 31' 43.6" West. The mean magnetic declination was found to be 15° 15' East.

The direction of the lines of the 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 as transit lines and checked by succeeding observations.

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

Survey of the Seventh Standard Parallel South in Range 12 East

Beginning at the standard corner of Township 35 South, Ranges 11 and 12 East, marked by an iron post, 2½ ins. in diameter, conforming to the record of the survey of Township 35 South, Range 11 East.

Thence

East, along the south boundary of sec. 31.

Chains	
	Over broken desert mountain land, through scattered timber and scant undergrowth; descend 60 ft. over a southeast slope.
5.00	Draw, drains southwest; ascend 200 ft. over white sandstone cli facing to the northwest.
7.70	Top of sandstone cliffs; enter talus slope; ascend 55 ft.
10.70	Top of talus slope, sandstone spur, projects S. 85° W., 2 chair then southwest; descend 65 ft. over a southeast slope.
17.70	Draw, drains S. 30° W.; ascend 150 ft. along a south slope.
40.00	Point for the standard $\frac{1}{4}$ sec. corner of sec. 31.
	Set an iron post, 30 ins. long, and 2½ ins. in diameter, on sol sandstone, in a mound of stone, with brass cap mkd.
	SC $\frac{1}{4}$ S31 1955
	A cross (+) cut into solid sandstone, bears north 34 lks. di
	Along a south slope.
51.00	Draw, drains southwest 3 chains, thence west; ascend 150 ft. al a NW. slope.
58.60	Spur, projects S. 30° W.; descend 145 ft. along a SE. slope.
61.20	Draw, drains S. 20° W.; ascend 115 ft.
70.20	Saddle in white sandstone spur, projecting S. 30° W.; descend 1 ft.
77.30	Wash, 10 lks. wide, drains S. 10° W.; enter rocky bench.
80.00	Point for the standard corner of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ inches in diameter, 6 inches the ground to solid rock, and in a mound of stone, with brass c mkd.
	T35S R12E S C S31 | S32 1955
	Deposit charcoal at the base of the post.
	Land, broken desert mountain. Soil, sandy clay, with sandstone outcroppings. Timber, scattered juniper and pinon. Undergrowth, black brush, bitter brush, mountain rush, and gras
	East, along the south boundary of sec. 32.
	Over desert bench land, through scattered juniper and pinon and medium dense undergrowth.
0.70	Wash, 15 lks. wide, drains south.

Chains	
22.50	Wash, 40 lks. wide, drains S. 15° W., ascend 90 ft.
29.30	Sandstone spur, projects south.
40.00	Point for the standard ¼ sec. corner of sec. 32
	Set an iron post, 30 inches long and 2½ inches in diameter, 20 inches in the ground, with brass cap mkd. S C ¼ S32 1955
	Deposit charcoal at the base of the post.
	Ascend 60 ft. over bench land sloping gently to the south.
65.10	Wash, 10 lks. wide drains S. 05° W.
69.60	Road, bears S. 30° E. and N. 20° W.
75.20	Draw, drains south.
80.00	Point for the standard corner of secs. 32 and 33.
	Set an iron post, 30 inches long and 2½ inches in diameter, 18 inches in the ground, with brass cap mkd. S C T35S | R12E S32 | S33 1955
	Deposit charcoal at the base of the post.
	Land, gently rolling desert bench. Soil, sandy loam rocky. Timber, scattered juniper and pinon. Undergrowth, dense black brush, scattered mountain rush and yellow brush.
	East along the south boundary of sec. 33.
	Over rolling desert bench land, through widely scattered juniper and pinon, through medium dense undergrowth, descend along a south slope.
2.80	Wash, 10 lks. wide, drains S. 05° W.
15.00	Draw, drains S. 15° E.
20.20	Leave bench land, descend 200 ft. along a southeast slope.
31.00	Point for the witness standard ¼ sec. corner of sec. 33.
	Set an iron post, 30 inches long and 2½ inches in diameter, 10 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. WSC ¼ S33 1955

Chains	
	Cut a cross (x) on the south face of a granite boulder showing 5x5x3 ft. above ground, bears North 32 lks. distant.
31.10	Rim of cliffs and head of draw draining S. 80° E., descend 160 ft over a ledgy east slope.
40.00	True point for the standard $\frac{1}{4}$ sec. corner of sec. 33, falls on inacessible ledges where the corner cannot be perpetuated.
	Descend 160 ft.
44.60	Fork of Ticaboo Canyon, drains S. 10° E., ascend 320 ft. over a broken west slope.
60.30	Red sandstone spur, projects S. 20° E., descend 380 ft. over a southeast slope.
80.00	Point for the standard corner of secs. 33 and 34, falls on a steep sandstone slope where the corner cannot be perpetuated.
	Land, desert bench and broken. Soil, sandy loam and barren sandstone. Timber, widely scattered juniper and pinon. Undergrowth, black brush, scant yellow brush and grass.
	East along the south boundary of sec. 34.
	Over broken desert land, over a series of sandstone spurs and rib putting to the south, through widely scattered juniper and pinon, and scant undergrowth.
.10	Over a cross (x) cut in solid sandstone, set an iron post, 30 inc long and $2\frac{1}{2}$ inches in diameter, in a large mound of stone, at the standard witness point of sec. 34, with brass cap mkd. T35S R12E S C W C S33 | S34 1955
40.00	Point for the standard $\frac{1}{4}$ sec. corner of sec. 34, falls in a deep boxed draw of barren sandstone where the corner cannot be perpetu
60.40	Cement a brass tablet, $3\frac{1}{2}$ inches in diameter with a 3 inch stem, a hole drilled in solid sandstone, at the standard witness point sec. 34., and mkd. SC WP S34 1955
	A cross (x) cut in solid sandstone bears north, 1 lk. distant.
	Witness point is set on the north slope of a bare sandstone knoll
	Across a sand pocket, through a few scattered juniper and pinon.
76.60	Leave sand pocket, thence across sandstone knobs and crevices.

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

Chains	
77.50	Sandstone draw, drains south.
80.00	Point for the standard corner of secs. 34 and 35. Over a cross (x) cut in solid sandstone, set a iron post 36 inches long, and 1 inch in diameter, in a mound of stone, with brass cap mkd, T35S R12E S C S34|S35 1955 Land, broken desert. Soil, barren sandstone spurs, knobs and ribs, with scattered sand pockets.. Timber, scattered juniper and pinon in the sand pockets. Undergrowth, scant bitter brush, and yellow brush.
	East along the south boundary of sec. 35.
	Over broken desert land, over barren sandstone spurs, knobs and ribs, through scattered dwarf juniper and pinon in the draws and pockets. Descend 280 ft. over a broken east sandstone slope.
13.80	South fork of Ticaboo Canyon, drains south, ascend 280 ft. over a broken northwest slope.
17.30	Sandstone spur, projects southwest, continue along a broken south slope of barren sandstone.
40.00	Point for the standard ¼ sec. corner of sec. 35. Cement a brass tablet, 3½ inches in diameter with a 3 inch stem, in a hole drilled in solid sandstone, and mkd. SC ¼ S35 1955 A cross (x) cut in solid sandstone, bears North, 1 lk. distant.
	Ascend 200 ft. over a broken southwest slope.
56.10	Sandstone spur, projects south; descend over a series of sandstone spurs and ribs putting to the southeast.
73.50	Point for the standard witness corner of sec. 35 and 36. Cement a brass tablet, 3½ inches in diameter with a 3 inch stem, in a hole drilled in solid sandstone, and mkd. T35S R12E S C W C S35|S36 1956 A cross (x) cut in solid sandstone, bears North, 1 lk. distant.
80.00	True point for the standard corner of secs. 35 and 36, falls in a inacessable sandstone draw..

Chains	
	Land, broken desert. Soil, barren sandstone, with patches of sand. Timber, widely scattered patches of dwarf juniper and pinon. Undergrowth, very scant sage brush and grass.
	East along the south boundary of sec. 36.
	Counting distance from the true point for the standard sec. corner secs. 35 and 36.
	Over a series of barren sandstone spurs and ribs putting to the southeast.
40.00	Point for the standard $\frac{1}{4}$ sec. corner of sec. 36..
	Cement a brass tablet, $3\frac{1}{2}$ inches in diameter with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd. SC $\frac{1}{4}$ S36 1955
	A cross (x) cut in solid sandstone, bears North, 1 lk. distant.
48.30	Spur ridge, bears southeast and northwest, descend 640 ft. over almost vertical sandstone cliffs facing northeast.
64.00	North fork of Ticaboo Canyon, drains S. 05° W., ascend 280 ft. over a west and northwest slope.
80.00	Point for the Standard corner of Township 35 South, Ranges 12 and, 13 East.
	Set a iron post, 30 inches long and $2\frac{1}{2}$ inches in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. T35S R12E R13E S C S36 | S31 1955
	Deposit a sandstone rock, 6x4x1 inches, mkd. with a cross (x) at the base of the post.
	Land, broken desert. Soil, barren sandstone spurs, ribs and knobs, with a sandy loam in the draws. Timber, a growth of dwarf juniper in the draws. Undergrowth, black brush, bitter brush and, grass in the draws.
	Survey of the East Boundary of Township 35 South, Range 12 East.
	Beginning at the Standard corner of Township 35 South Ranges 12 and 13 East. This cor. also functions as the cor. of Ts. 35½ S., Rs. 12 and 13 E. Thence
	North between sec. 31 and 36..

Survey of the East Boundary of Township 35 South Range 12 East

Chains	
	Over broken desert land, through widely scattered juniper and pinon, and scant undergrowth. Descend 80 ft. over a northwest slope.
2.50	Draw, drains northwest, thence along a west slope.
17.20	Draw, drains S. 75° W., ascend 150 ft. over a southwest slope.
25.30	Spur, projects S. 60° W., descend along a northwest slope.
32.00	Draw, drains S. 70° W., ascend 200 ft. over a broken south slope.
40.00	Point for the ¼ sec. corner of secs. 31 and 36. falls on sandstone ledges, where the corner cannot be perpetuated.
43.22	Point for the witness ¼ sec. cor. of secs. 31 and 36. Over a cross (x) cut in solid sandstone, set an iron post, 30 inches long and 2½ inches in diameter, in a mound of stone, with brass cap mkd.

S36 | S31
W C
1955

Along a west slope of barren sandstone, through sand pockets.

52.00	Sandstone draw, drains S. 70° W.
70.80	Spur, projects N. 80° W., Descend 200 ft. over barren sandstone sloping to the north.
80.00	Point for the corner of secs. 25, 30, 31 and 36.

Cement a brass tablet, 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, and mkd.

T35S
R12E R13E

S25	S30
S36	S31

1955

A cross (x) cut in solid sandstone; bears South, 27 lks. distant.

Land, broken desert.
Soil, sandy loam, and barren sandstone.
Timber, widely scattered dwarf juniper.
Undergrowth, black brush, bitter brush, and grass.

North between secs. 25 and 30

Over broken desert land, through widely scattered juniper and scant undergrowth. Descend 80 ft. over a north slope.

3.40	Draw, drains N. 75° W. thence along a west slope.
20.50	Draw, drains northwest, ascend 320 ft. along a west and southwest slope.
40.00	Point for the ¼ sec. corner of secs. 25 and 30, falls in bottom of draw, draining south., where it is impracticable to set a post.
45.40	Point for the witness ¼ sec. cor. of secs. 25 and 30. Set an iron post 36 inches long and 1 inch in diameter, 14 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.

Chains	
	S25 | S30 W C 1955
	Deposit a sandstone rock, 6x4x3 inches mkd., with a cross (x) a the base of the post.
	Ascend 200 ft. over a broken south sandstone slope.
50.40	Sandstone spur, projects west, descend 250 ft. over a northwest s
74.20	Point for the witness corner of secs. 19, 24, 25 and 30.
	Set an iron post, 36 inches long and 1 inch in diameter, 28 inche in the ground, with brass cap mkd.
	T35S R12E R13E W C S24 | S19 S25 | S30 1955
	Raise a mound of stone, 2½ ft. base 2½ ft. high west of the pos
	Draw, drains southwest, ascend 320 ft. over vertical ledges facin southeast.
[illegible].00	True point for the corner of secs. 19, 24, 25 and 30. falls on a inacessible ledge, where the corner cannot be perpetuated.
	Land, broken desert. Soil, sandy, with barren sandstone ribs, spurs and knobs. Timber, scattered juniper in the draws. Undergrowth, scant black brush, bitter brush and grass.
	North between secs. 19 and 24.
	Over broken desert land, through widely scattered juniper and sc undergrowth.
	Pointing distance from the true point for the corner of secs. 19 25 and 30.
	Across a series of sandstone ribs and knobs.
[illegible].00	Point for the ¼ sec. corner of secs. 19 and 24 falls on a inacces ible sandstone knob, Impractible to set a witness corner within prescribed limits.
[illegible].00	Draw, drains S. 75° E.
[illegible]	Recross same draw, drains west.
80.00	Point for the corner of secs. 13, 18, 19 and 24. falls on the we slope of a sandstone knob, where it is impractible to set a post
	Land, broken desert sandstone spurs, ribs and island mesas. Soil, barren sandstone with sand pockets. Timber, widely scattered dwarf juniper. Undergrowth, scant black brush, bitter brush and grass.

Survey of the East Boundary of Township 35 South Range 12 East

Chains	
	North between secs. 13 and 18
	Counting distance from the true point for the corner of secs. 13, 18 19 and 24.
	Over broken desert land, through widely scattered juniper and scant undergrouth.
.20	Point for the witness corner of secs. 13, 18, 19 and 24.
	Cement a brass tablet, 3½ inches in diameter, with a 3 inch stem in a hole drilled in solid sandstone, with cap mkd.
	T35S R12E R13E S13 | S18 S24 | S19 W C 1955
	A cross (x) in solid sands one bears West 1 lk. distant.
	Brass tablet is set on a sandstone ridge, bearing East and West, this ridge is the divide of the drainage into Picaboo Canyon, in the south and Four Mile Canyon in the north.
	Descend 130 ft. over a steep north sandstone slope.
7.90	Rim of sandstone cliffs 40 ft. high, bears east and west, descend 240 ft. over a broken north slope.
20.50	Fork of Four Mile Canyon, drains east, ascend 40 ft. over a southeast slope.
23.00	Draw, drains southeast, ascend 40 ft.
32.50	Hecross draw, S. 15° W. ascend 200 ft. over a southeast slope.
39.30	Spur ridge, bears S. 70° E. and N. 70° W.
40.00	Point for the ¼ sec. corner of secs. 13 and 18.
	Over a cross (x) cut in solid sandstone, set a iron post, 30 inches long and 2½ inches in diameter, in a mound of stone, with brass cap mkd.
	S13 | S18 1955
	Descend 80 ft. over a northwest slope.
47.90	Draw, drains N. 60° E.
59.20	South rim of Four Mile Canyon and rim of sandstone cliffs 200 ft. high, bears east and west, descend 360 ft. over a broken north slope.
63.50	Bottom of Four Mile Canyon, drains east, ascend 250 ft. over a south slope.
76.00	Spur, projects southeast.
77.80	Draw, drains southeast, ascend 40 ft. over a south slope.
80.00	Point for the corner of secs. 7, 12, 13 and 18.
	Set a iron post, 30 inches long and 2½ inches in diameter, 12 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd.

Chains	
	T35S R12E R13E S12 | S7 S13 | S18 1955
	A cross (x) cut on the south face of a sandstone boulder bears North 10 lks. distant.
	Land, broken desert. Soil, sand sandy loam and barren sandstone outcroppings and ledge Timber, a few widely scattered juniper and pinon. Undergrowth, black brush and grass.
	North between secs. 7 and 12.
	Over broken desert land, through widely scattered dwarf juniper a and pinon and scant undergrowth.
	Ascend 260 ft. over a south slope.
10.50	Draw, drains southeast, ascend 160 ft. over a south slope.
13.60	North rim of Four Mile Canyon, bears S. 70° E. and N. 70° W. ther across broken land.
32.50	Draw, drains east, ascend 80 ft.
40.00	Point for the ¼ sec. corner of secs. 7 and 12.
	On a sandstone spur projecting S. 60° E. Cement a brass tablet 3½ inches in diameter, with a 3 inch stem, in a hole drilled in soli sandstone, with brass cap mkd.
	¼ S12 | S7 1955
	Raise a mound of stone 2½ ft. base 2 ft. high west of the table
47.80	Fork of Four mile Canyon, drains east. Ascend 240 ft. over a broke south sandstone slope.
57.00	Spur ridge projects east. Descend 320 ft. over a broken north slo
67.00	Two Mile Canyon, drains east, ascend 120 ft. over a south slope.
72.00	Spur projects east, descend 180 ft. over a northeast slope.
77.00	Fork of Two Mile Canyon, drains S. 70° E. ascend 80 ft. over a br south slope.
80.00	Point for the corner of secs. 1, 6, 7 snd 12.
	Set a iron post 36 inches long and 1 inch in diameter, 8 inches i the ground to solid rock, and in a mound of stone, with brass cap mks.
	T35S R12E R13E S1 | S6 S12 | S7 1955

Chains	
	Deposit a sandstone rock, 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Land, broken desert. Soil, sand and sandy loam, with sandstone boulders, ledges and outcrops. Timber, scattered juniper and pinon. Undergrowth, scant yellow brush, mountain rush and grass.
	North between secs. 1 and 6.
	Over broken desert land, through scattered juniper and pinon, and a scant undergrouth.
8.50	Rim of canyon bears east and west, thence along a broken east slope.
22.80	Draw drains southeast, ascend 100 ft. along a east slope.
38.10	Sandstone spur projects east.
40.00	Point for the $\frac{1}{4}$ sec. corner of secs, 1 and 6.
	Cement a brass tablet $3\frac{1}{2}$ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd. $\frac{1}{4}$ S1 | S6 1955
	Raise a mound of stone 3 ft. base 3 ft. high west of the tablet.
	Descend 180 ft. along a northeast slope.
52.00	Fork of Two Mile Canyon, drains east, ascend 280 ft. over a southeast and south slope.
64.98	The closing corner of Townships 34 and 35 South, Range 13 East, subsequently established at this point.
65.90	Spur, projects S. 85° E. descend 180 ft. over a northeast slope.
73.00	Fork of Two Mile, Canyon drains southeast. Ascend 180 ft. over a southwest sandstone slope.
80.00	Point for the north east corner of township 35 south, range 12 east.
	Over a cross (x) cut in solid sandstone. Set a iron post 30 inches long and $2\frac{1}{2}$ inches in diameter, in a large mound of stone, with brass cap mkd. T34S R13E S31 T35S R12E S1 1955
	Land, broken desert. Soil, sand and sandy loam, with barren sandstone , spurs, ribs and knobs. Timber, scattered juniper and pinon. Undergrowth, scant black brush, bitter brush and grass.

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

265 Survey of the Subdivision of Township 35 South Range 12 East

Chains	
	Beginning at the true point for the standard corner, of secs. 35 and 36.
	Thence.
	N. 0° 01' W. between secs. 35 and 36.
	Over broken desert land, over scant undergrouth, no timber. Ascen 450 ft. over a series of barren sandstone spurs, ribs, knobs, and crevices, putting to the southeast.
40.00	Point for the ¼ sec. corner of secs. 35 and 36, falls on a steep sandstone slope, where the corner cannot be perpetuated. Therefor at a point 3.45 chains S. 05° 49' E. on top of a sandstone spur ridge, that bears east and west.
	Over a cross (x) cut in solid sandstone set a iron post 36 inches long and 1 inch in diameter, in a mound of stone, with brass cap mkd.
	S35 | S36 1955
	Descend 480 ft. over a series of barren sandstone spurs, ribs, knc and crevices.
80.00	Point for the corner of secs. 25, 26, 35 and 36, falls in a crevi where the corner cannot be perpetuated. Therefore at a point 3.31 chains N. 25° 01' E. on the west slope of a sandstone rib project north.
	Cement a brass tablet 3½ inches in diameter, with a 3 inch stem, a hole drilled in solid sandstone, with cap mkd.
	T35S R12E S26 | S25 S35 | S36 1955
	A cross (x) cut in solid sandstone bears North one link distant
	Land, broken desert. Soil, Sand in the crevices, barren sandstone spurs, ribs, and knc the balance. No timber, or under growth.
	Beginning at the corner of secs. 25, 30, 31 and 36. On the E. bdy the T.
	Thence.
	West between secs. 25 and 36. Over broken desert land, through scattered juniper and pinon, and scant undergrowth.
	Descend 160 ft. along a north sandstone slope.
21.90	Wash 12 lks. wide, drains southwest, spring of good water in bott of wash, 1 chain northeast, ascend 80 ft. over a southeast slope.
32.20	Spur projects south, descend 80 ft, along a southwest slope.
40.00	Point for the ¼ sec. corner of secs. 25 and 36.
	Set a iron post, 30 inches long and 2½ inches in diameter, 14 inc

Survey of the subdivision of Township 35 South Range 12 East

Chains	
	in the ground to solid rock, and in a large mound of stone, with brass cap mkd. S25 ¼ ----- S36 1955
	Deposit charcoal at the base of the post.
	Descend 100 ft. along a southwest slope.
52.90	Bottom of North Fork of Ticaboo Canyon, stream of good water 2 inches deep 3 lks. wide flows southeast. Ascend 240 ft. over sandstone ledges.
58.70	Top point of sandstone spur, projects northeast, descend 160 ft. over northwest sandstone slope.
66.70	Sandstone draw, drains N. 70° E. ascend 320 ft. over a southeast sandstone slope.
80.00	The true point for the corner of secs. 25, 26, 35 and 36.
	Land, broken desert. Soil, sandy loam and barren sandstone, spurs, ribs and knobs.. Timber, scattered juniper and pinon. Undergrowth, mountain rush, black brush and grass.

	Beginning at the Standard corner of secs. 32 and 33.
	Thence.
	N. 0° 03' W. between secs. 32 and 33.
	Over gently rolling desert bench land, through widely scattered juniper and pinon, and dense undergrowth. Ascend 220 ft. over a gentle south slope.
40.00	Point for the ¼ sec. corner of secs. 32 and 33.
	Set a iron post, 30 inches long and 2½ inches in diameter, 12 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. S32 | S33 1955
	Deposit a sandstone rock 5x4x2 inches, mkd. with a cross (x) at the base of the post.
	Ascend 90 ft. along a southeast slope.
62.20	Sandstone outcropping at head of draw draining southeast, ascend 90 ft.
70.00	Red sandstone knoll, 50 ft. high, descend 140 ft. over a north slope.
75.50	Rim of canyon, bears S. 30° E. and N. 30° W. descend 185 ft. over a ledgy northeast slope.
80.00	Point for the corner of secs. 28, 29, 32 and 33. falls on a sandstone shelf, sloping to the east.
	Cement a brass tablet 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd.

2657

Chains	
	T35S R12E S29 | S28 S32 | S33 1955 A cross (x) cut in solid sandstone bears west 10 lks. distant. Land, gently rolling the first 60 chains broken the balance. Soil, rockey sandy loam with sandstone outcroppings. Timber, scattered juniper and pinon. Undergrowth, dense black brush, scattered greas wood, mountain rus silver leaf and yellow top.
	N. 0° 03' W. Between secs. 28 and 29. Over broken deseret mountain land, through scattered juniper and pinon, and scant undergrowth. Descend 160 ft. along a broken north east slope.
5.80	Draw, drains east, ascend 80 ft. along a rockey east slope.
11.60	Draw, drains southeast, ascend 640 ft. over a broken south slope.
22.10	Spur, projects southeast, descend 400 ft. over a ledgy northeast slope.
35.00	Spring of good water, on line, descend 80 ft. over a northeast slo
40.00	Head of the South Fork of Ficaboo Canyon, draining east, and point for the ¼ sec. corner of secs. 28 and 29. Set a iron post 36 inches long and 1 inch in diameter, 8 inches in the ground to solid rock, and in a mound of stone with brass cap m S29 ¼ S28 1955 Deposit a sandstone rock, 4x4x3 inches, mkd. with a cross (x) at the base of the post.
	Ascend 325 ft. over a broken south and southeast slope.
56.90	Spur, projects S. 80° E. descend 240 ft. along a broken north and east slope.
71.10	Draw, drains S. 70° E. ascend 160 ft. along a broken southeast slop
76.60	Small spur, projects east, descend 80 ft. over a north slope.
80.00	Point for the corner of secs. 20,21, 28 and 29. Set a iron post 36 inches long and 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. T35S R12E S20 | S21 S29 | S28 1955 Deposit a sandstone rock, 5x4x3 inches mkd. with a cross (x) at base of the post.

U. S. GOVERNMENT PRINTING OFFICE 16—28890-2

Chains	
	Land, broken desert mountain. Soil, sandy clay loam, with sandstone and trachyte outcroppings. Timber, scattered juniper and pinon. Undergrowth, bitter brush, mountain rush and bunch grass.
	N. 0° 03' W. between secs. 20 and 21.
	Over broken desert mountain land, through scattered timber and medium dense undergrowth. Descend 120 ft. over a north slope.
2.00	Draw, drains east, ascend 480 ft. over a broken southeast slope.
26.70	Top of granite spur, projects east, descend 560 ft. over a broken north slope.
40.00	Point for the ¼ sec. corner of secs. 20 and 21. falls in the bottom of a deep draw, draining N. 70° E. where it is impracticle to set a post. ascend 160 ft. along a east slope.
49.18	Point for the witness ¼ sec. corner of secs. 20 and 21.
	Set a iron post, 36 inches long and 1 inch in diameter, 8 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd. S20 | S21 W C 1955
	Deposit a granite rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
51.00	Draw, drains east, ascend 360 ft. along a broken east slope.
73.40	Red sandstone spur, projects northeast, descend 180 ft. over a north slope.
79.00	Draw, drains N. 20° E.
80.00	Point for the corner of secs. 16, 17, 20 and 21.
	Set a iron post, 36 inches long and 1 inch in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. T35S R12E S17 | S16 S20 | S21 1955
	Deposit a graniterock, 5x4x3 inches, mkd. with a cross (x) at the base of the post.
	Land, broken desert mountain. Soil, clay loam, shale, with sandstone and granite ledges and outcroppings. Timber, scattered juniper and pinon. Undergrowth, bitter brush, mountain rush, silver leaf and bunch grass.

Chains	
	N. 0° 03' W. between secs. 16 and 17.
	over broken desert mountain land, through scattered timber and medium undergrowth, descend 440 ft. over a broken east and north slope.
17.50	Draw, drains east, descend 40 ft. over a east slope.
23.50	Draw, drains east.
29.00	Draw, drains S. 20° E. ascend 80 ft. along a east slope.
33.00	Red sandstone spur, projects east, thence along a east slope.
35.00	Head of draw, drains N. 30° E.
40.00	Point for the ¼ sec. corner of secs. 16 and 17.
	Set a iron post, 36 inches long and 1 inch in diameter, 12 inches the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S17 | S16 1955
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
	Descend 200 ft. along a northeast slope.
57.50	Draw, drains northeast from S. 30° W. descend 120 ft.
68.50	Draw, drains east.
74.30	Spur, projects S. 70° E. descend 80 ft.
77.60	Wash, 25 lks. wide 30 ft. deep, drains S. 75° E. ascend 40 ft.
80.00	Point for the corner of secs. 8, 9, 16 and 17.
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R12E S8 | S9 S17 | S16 1955
	Deposit a sandstone rock, 4x4x3 inches mkd. with a cross (x) at the base of the post.
	Land, broken desert mountain. Soil, sandy loam with sandstone and granite outcrops. Timber, scattered juniper and pinon. Undergrowth, black brush, bitter brush, wild apple brush, mountai rush and grass.

	N. 0° 03' W. between secs. 8 and 9.
	Over broken desert mountain land, through scattered timber and sc undergrowth, ascend 570 ft. over a southeast slope, over a series

Chains	
	small spurs and draws, putting to the southeast.
38.50	Small draw, drains S. 60° E.
40.00	Point for the ¼ sec. corner of secs. 8 and 9.
	Set a iron post, 36 inches long and 1 inch in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S8 | S9 1955
	Deposit a sandstone rock, 5x4x3 inches, mkd. with a cross (x) at the base of the post.
	Ascend 130 ft. along a east slope.
50.00	Draw, drains east two chains thence southeast, ascend 140 ft. over a east slope.
59.70	East slope of saddle on Freds Ridge, bears east and west, descend 460 ft. over a northeast and north slope.
75.70	Draw, drains N. 70° W. thence along a west slope.
80.00	Point for the corner of secs. 4, 5, 8 and 9.
	Set a iron post, 36 inches long and 1 inch in diameter, 14 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R12E S5 | S4 S8 | S9 1955
	Land, broken desert mountain. Soil, sandy loam sandstone and granite outcroppings. Timber, scattered jiniper and pinon. Undergrowth, black brush, bitter brush and bunch grass.

	N. 0° 15' E. between secs. 4 and 5.
	Over broken desert mountain land, through scattered timber and scant undergrowth, descend 200 ft. over a north slope.
13.00	Draw, drains N. 30° W.
17.80	Draw, drains N. 30° W. descend 160 ft. along a broken N.W. slope.
38.00	Draw, drains west, ascend 30 ft.
40.00	Point for the ¼ sec. corner of secs. 4 and 5.
	Set a iron post, 30 inches long and 2½ inches in diameter, 12 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S5 | S4 1955

Chains	
	Deposit charcoal at the base of the post.
57.20	Draw, drains west, descend 60 ft.
65.50	Draw, drains west, descend 40 ft.
80.31	The corner of secs. 4 and 5, on the north boundary of the township mkd. by an iron post 2* ins. diam., as described in the field notes of T. 34 S., R. 12 E. Land, rolling mountain, Soil, sandy loam, with sandstone outcroppings. Timber, scattered juniper and pinon. Undergrowth, dense black brush, scattered bitter brush and scant grass.

Beginning at the corner of secs. 2 and 3, on the north boundary of the township, which is a iron post, 2½ inches in diameter, as described in the field notes of T. 34 S., R. 12 E.

Thence.

S. 0° 01' E. between secs. 2 and 3.

Over steep desert mountain land, through medium dense timber and scant undergrowth, ascend 400 ft. over a north slope.

11.20	Spur ridge, projects N. 80° E. descend 400 ft. over a broken southeast slope.
21.00	Canyon, drains east, ascend 80 ft. over a northeast slope.
29.00	Draw, near head, drains N. 40° E. ascend 350 ft. over a broken northeast slope.
39.70	Point for the witness ¼ sec. corner of secs. 2 and 3.
	Set a iron post, 36 inches long and 1 inch in diameter, 8 inches in the ground to solid rock and in a mound of stone, with brass cap m

$\frac{1}{4}$
S3 | S2
W C

1956

Deposit charcoal at the base of the post.

40.16	True point for the ¼ sec corner of secs. 2 and 3, falls on a trach boulder where the corner cannot be perpetuated.
54.00	Ridge, bears N. 40° W. and S. 30° E. descend 640 ft. along a southwest slope.
80.16	Point for the corner of secs. 2, 3, 10 and 11
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches in the ground to solid rock and in a mound of stone, with brass cap m

T35S R12E
S3 | S2
S10 | S11

1956

Chains	
	Deposit charcoal at the base of the post.
	Land, broken desert mountain. Soil, sandy clay, with sandstone and trachyte boulders and outcroppings. Timber, medium dense juniper and pinon. Undergrowth, bitter brush, black brush and scant grass.

	East between secs. 2 and 11.
	Over broken desert mountain land, through medium dense timber and scant undergrowth.
4.00	Draw, drains south, ascend 160 ft. along a southwest slope.
13.00	Ridge, bears south and N. 20° W. descend 250 ft.
18.70	Draw, drains S. 30° E. descend 400 ft. along a southeast slope.
40.00	Point for the ¼ sec. corner of secs. 2 and 11.
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches in the ground to solid rock and in a mound of stone, with brass cap mkd. ¼ S2 / S11 1956
	Deposit charcoal at the base pf the post.
	Descend 180 ft. over a east slope.
48.50	Draw, drains southeast, descend 240 ft. over a east slope.
80.00	Point for the corner of secs 1, 2, 11 and 12.
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd. T35S R12E S2 | S1 S11 | S12 1956
	Deposit charcoal at the base of the post.
	Land, broken desert mountain. Soil, sandy clay, with sandstone and trachyte boulders and outcroppings Timber, medium dense juniper and pinon. Undergrowth, scattered bitter brush, silver leaf and scant grass.

	N. 0° 09' W. between secs. 1 and 2.
	Over broken desert mountain land, through scattered timber and scant undergrowth. Descend 90 ft. along a east slope.
9.00	Draw, drains N. 60° E.

Chains	
18.40	Draw, drains S. 30° E. 3.50 chains, to junction with previous draw thence east.
40.00	Point for the ¼ sec. corner of secs. 1 and 2
	Over a cross (x) cut on solid sandstone. Set a iron post, 30 inches long and 2½ inches in diameter, in a large mound of stone, with b cap mkd.
	S2 | S1
	1956
	Descend 40 ft. over a northeast slope.
45.00	Draw, drains S. 45° E. ascend 200 ft. over a south slope, thence along a east slope.
80.34	The corner of secs. 1 and 2 , on the north boundary of the townsh mkd. by a iron post 2½ inches in diameter,
	Land, broken desert mountain. Soil, sandy clay, with sandstone and trachyte boulders and outcro ings. Timber, medium dense juniper and pinon. Undergrowth, scattered black brush, bitter brush and scant grass.

	Beginning at the corner of secs. 16,17, 20 and 21.
	Thence.
	East between secs. 16 and 21.
	Over broken desert mountain land, descend 40 ft.
4.00	Draw, drains N. 10° east, ascend 35 ft.
7.70	Red sandstone spur, projects N. 10° E.
9.00	Shallow draw, drains N. 10° E.
11.70	Red sandstone spur, projects N.10° E. descend 200 ft. along a nor slope.
18.00	Draw, drains N.10° E. ascend 80 ft.
30.40	Spur, projects N. 20° E.
34.00	Draw, drains N. 20° E.
40.00	Point for the ¼ sec. corner of secs. 16 and 17.
	On a spur, projecting N. 40° E. Set a iron post, 36 inches long a 1 inch in diameter, 8 inches in the ground to solid rock and in a m of stone, with brass cap mkd.
	S16
	S21
	1955
	Deposit charcoal at the base of the post.

Chains	
	Descend 170 ft.
45.70	Wash, drains northeast, ascend 25 ft.
49.20	Spur, projects northeast, descend 110 ft.
60.50	Wash, 75 lks. wide, 10 ft. deep drains N.30° E. 3.00 chains thence east.
80.00	Point for the corner of secs. 15, 16, 21 and 22.
	Set a iron post, 36 inches long and 1 inch in diameter, 8 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R12E S16 | S15 S21 | S22
	1956
	Deposit charcoal at the base of the post.
	Land, Broken desert mountain. Soil, sandy clay, with sandstone boulders and ledges. Timber, Scattered juniper and pinon. Undergrowth, black brush and scant grass.
	N. 0° 02' W. between secs. 15 and 16.
	Over rough desert mountain land, through scattered timber and scant undergrowth.
5.10	Wash, drains east, 1.50 chains to junction with main wash.
6.00	Main wash, 50 lks wide 6 ft. deep drains S. 80° E. ascend 200 ft. over ledges facing to the south.
9.30	Top of broken ledges, thence across rolling land sloping to the east.
27.70	Draw, drains east.
36.50	Draw, drains east 2.00 chains thence N. 20° E.
40.00	Point for the $\frac{1}{4}$ sec. corner of secs. 15 and 16.
	Over a cross (x) cut in solid sandstone, Set a iron post 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd.
	$\frac{1}{4}$ S16 | S15
	1956
64.00	Spur, projects N. 50° E.
65.00	Top of sandstone ledges, facing N. 60° E., descend 155 ft.
70.70	Four Mile Canyon drains, N. 60° E. ascend 220 ft. over a southeast slope.
80.00	Point for the corner of secs. 9, 10, 15 and 16.
	Set a iron post, 36 inches long and 1 inch in diameter, 20 inches in the ground and in a mound of stone, with brass cap mkd.

Chains	
	T35S R12E S9 | S10 S16 | S15 1956 Deposit charcoal at the base of the post. Land, broken and rolling desert mountain. Soil, sandy clay, with ledges and outcroppings. Timber, scattered juniper and pinon. Undergrowth, black brush, bitter brush, mountain rush and medium dense grass.
	S. 89° 57' W. between secs. 9 and 16.
	Over rolling and brokrn mountain land, through scattered timber an medium dense undergrowth.
2.00	Boulder covered knoll, descend 80 ft. over a west slope.
8.90	Wash, 10 lks. wide, drains south 2.00 chains into Four Mile Canyon
20.00	Four Mile Canyon, drains S. 70° E. ascend 160 ft. over a northeast slope.
27.70	Spur, projects northeast. descend 40 ft. along a north slope.
34.10	Wash, 10 lks. wide, drains northeast.
39.95	Point for the $\frac{1}{4}$ sec. corner of secs. 9 and 16.
	Set a iron post, 36 inches long and 1 inch in diameter, 28 inches the ground, with brass cap mkd. $\frac{1}{4}$ S9 / S16 1956 Raise a mound of stone, 3 ft. base 3 ft. high north of the post.
48.00	Wash, drains northeast.
69.00	Wash, 20 lks. wide, drains north 3.00 chs., then east.
79.90	The corner of secs. 8, 9, 16 and 17.
	Land, rolling and broken desert mountain. Soil, sandy clay, with sandstone ledges and outcroppings. Timber, Scattered juniper and pinon. Undergrowth, Medium black brush, bitter brush, mountain rush and grass.
	Beginning at the standard corner of secs. 31 and 32, on the south boundary of the township. Thence. N 0° 03' W. between secs. 31 and 32.

Survey of the Subdivision of Township 35 South Range 12 East

Chains	
	Over rough desert mountain land, through scattered timber and scant undergrowth, ascend 145 ft. over a boulder covered south slope.
24.00	Base of steep slope of mountains, bears east and west, ascend 365 ft. over a south slope.
40.00	Point for the ¼ sec. corner of secs. 31 and 32.
	Over a cross (x) cut on a sandstone ledge, set a iron post, 30 inches long and 2½ inches in diameter, in a large mound of stone, with brass cap mkd.
	S31 | S32 1956
	Ascend 130 ft. over a south slope.
44.10	Top of gray granite outcrop, ascend 230 ft.
50.20	Top of red sandstone ledge, facing south. ascend 120 ft.
61.50	Spur, projects south east, descend 240 ft. along a steep broken east slope.
74.60	Draw, drains S. 70° E.
80.00	Point for the corner of secs. 29, 30, 31 and 32.
	Set a iron post, 36 inches long and 1 inch in diameter, 25 inches in the ground and in a mound of stone, with brass cap mkd.
	T35S R12E 30 | 29 31 | 32 1956
	Deposit a sandstone rock, 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Land, steep desert mountain land. Soil, sandy clay loam, with sandstone and granite boulders and outcroppings. Timber, widely scattered juniper and pinon. Undergrowth, sage brush, black brush and scant grass.

Beginning at the corner of secs. 28, 29, 32 and 33.

Thence.

S. 89° 58' W. between secs. 29 and 32.

Over broken desert mountain land, through scattered timber and medium undergrowth. ascend 230 ft. over a broken northeast slope.

8.40	Top of ledge facing north, 40 ft. high.
15.80	Along a gravel bench sloping S. 20° W.
24.60	Wash, 20 lks. wide drains S 80° E. 8.00 chains then south.
31.80	Head of draw, drains S. 05° W.
40.00	Point for the ¼ sec. corner of secs. 29 and 32.

Chains	
	Over a cross (x) cut in solid sandstone, set a iron post, 36 inche long and 1 inch in diameter, in a mound of stone, with brass cap m $\frac{1}{4}\frac{S29}{S32}$ 1956
43.30	Sandstone spur, projects S 10° W. 4.00 chains thence south, descer 400 ft. over a broken west slope.
55.20	Wash, in bottom of basin, drains S. 15° E. ascend 480 ft. over a east slope.
80.00	The corner of secs. 29, 30, 31 and 32. Land, broken and rolling desert mountain. Soil, sandy clay, with sandstone ledges and outcroppings. Timber, widely scattered juniper and pinon. Undergrowth, black brush, mountain rush and scant grass.

General Description

The land in the township varies from broken and rolling desert la in the south and east, to high broken mountains, in the center and north. The township is cut by numerous steep sided and box canyons draining into tributaries of the Colorado River, which is about 6 miles east of the township. A portion along the west side drains southwest into Hansen Creek. The soil is principally a sandy loam. There is a scattered growth of dwarf juniper and pinon, in the sou and east portions, while in the mountains in the center and north there is a medium dense growth of juniper and pinon. The undergrowt is mainly black brush and gramma grass, with lessor amounts of mountain rush, yellow brush, bitter brush and weeds. There are no permanent habitations in the township. A considerable amount of prospecting for fissionable minerals has been, and, to some extent is still being carried on in the area. This township is not accessible by motor vehicle.

U. S. GOVERNMENT PRINTING OFFICE 16—25890-2

4-[illegible]
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
LeRoy N. McCully	Principal Assistant
Alburn D. Griffin	Principal Assistant
Deon J. Allen	Principal Assistant
Robert N. Liston	Chainman
Boyd S. Owens	Chainman
Henry B. Pederson	Chainman
Parley Pratt	Flagman
Vergean Porter	Flagman
Allan Moyes	Flagman
Guy Pollock	Cornerman
Guy O. Hatch	Cornerman
William M. Young	Cornerman
Dale B. Brinkerhoff	Axeman
Robert A. Pratt	Axeman
James K. Chappell	Axeman
Boyd Brown	Axeman
Walter B. Hill	Axeman

16—53565-2

279

CERTIFICATE OF CADASTRAL ENGINEER

We, Fred R. Chappell, Robert K. Burgess, and Kenneth D. Witt HEREBY CERTIFY upon honor th
pursuance of special instructions bearing date of the 5th. day of March,

We have surveyed the South Boundary or the Seventh Standard Parallel South, the Ea
Boundary and portions of the Subdivision of Township 35 South Range 12 East.

of the Salt Lake Meridian, in the State of Utah, whi
represented in the foregoing field notes as having been executed by ~~me~~ us and under ~~my~~ our direction; an
said survey has been made in strict conformity with said instructions, the Manual of Instructions f
Survey of the Public Lands of the United States, and in the specific manner described in the fore
field notes.

Salt Lake City, Utah
February 4, 1957

Fred R. Chappell
Fred R. Chappell, Cadastral Surveyor
Robert K Burgess
Robert K. Burgess, Cartographic Survey
Kenneth D. Witt
Kenneth D. Witt, Cartographic Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
~~Washington, D. C.,~~

The foregoing field notes of the survey of

executed by

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

Chief, Division of Cadastral Enginee

CERTIFICATE OF TRANSCRIPT

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

, is a true copy of the original field notes.

~~Chief, Division of Cadastral Engineer~~

U. S. GOVERNMENT PRINTING OFFICE 16—63865-2

4-000
(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—53565-2

281

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor t

pursuance of special instructions bearing date of the 5th. day of March

I have ~~surveyed~~ Supervised the survey of the South Boundary or the Seventh Stan

Parallel South, the East Boundary and portions of the Subdivision of Township

South Range 12 East.

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

represented in the foregoing field notes as having been executed ~~by me and under my direction~~ under my supervision ar

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

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

field notes.

Salt Lake City, Utah

February 4, 1957

Robert C. Yundt
Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 21 1957,

The foregoing field notes of the survey of the South Boundary or the Seventh Standar

Parellel South, the East Boundary and portions of the Subdivision of Townsh

35 South Range 12 East.

executed by Fred R. Chappell, Robert K. Burgess and Kenneth D. Witt, under the Supervision of Robert C. Yundt.
having been critically examined and found correct, are hereby approved.

Earl J. Harrington
Cadastral Engineering Staff

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~~

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

6—GTP
(September 1948)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

Of The

Survey of the South Boundary

And

Portions of the Subdivision

Of

Township 35 South Range 13 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Robert C. Yundt and Fred M. Chappell Cadastral Surveyors

And

Kenneth D. Kitt Cartographic Survey Aid

Robert C. Yundt Cadastral Surveyor (Chief of party)

Under special instructions dated March 5, *1954*, *which provided*
And supplemental instructions dated March 23, 1955 April 6, 1954
and
for the surveys included under Group No. 389, *approved* April 19 1955

and assignment instructions dated May 1, *19*56.

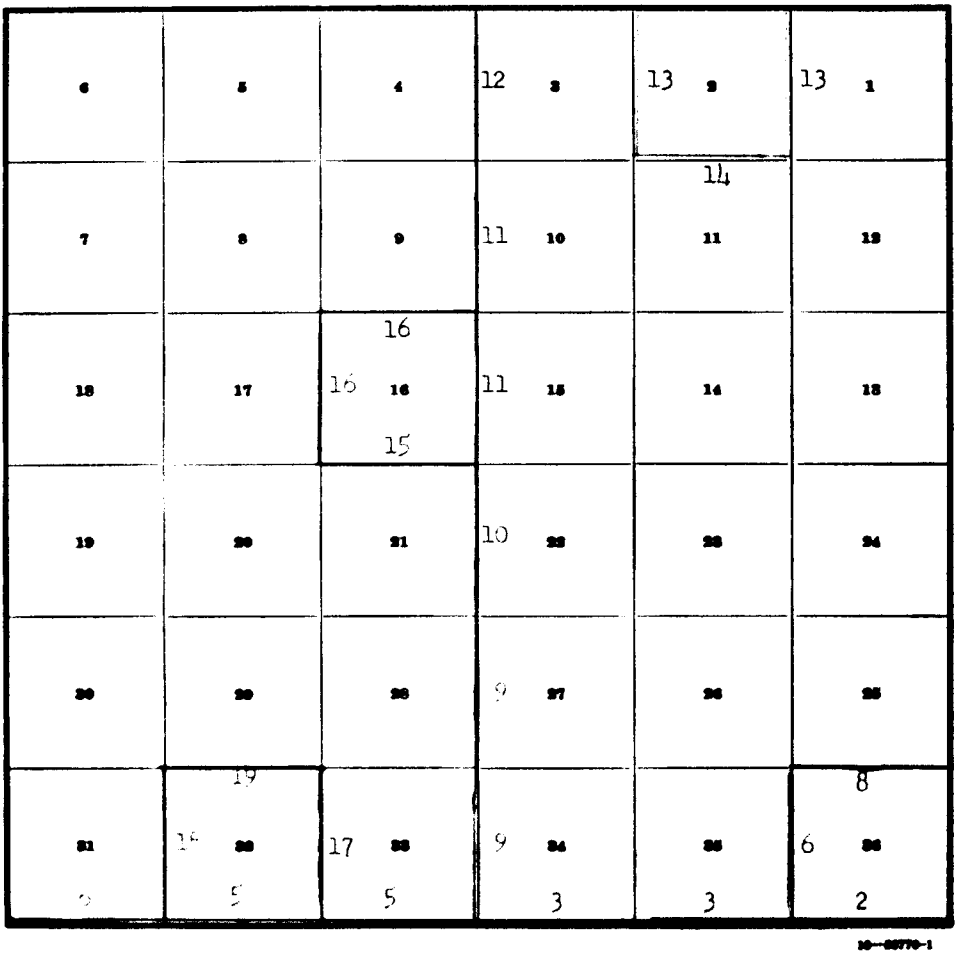
Survey commenced June 12, *19*56

Survey completed June 29, *19*56

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

INDEX DIAGRAM

Township 35 South, *Range* 13 East



Lines ruled in red were surveyed by Fred R. Chappell
Lines ruled in blue were surveyed by Robert C. Yundt
Lines ruled in green were surveyed by Kenneth D. Witt

Township 35 South Range 13 East

Chains

The north and west boundaries of Township 35 South, Range 13 East of the Salt Lake Meridian, Utah were surveyed concurrently under this group and are described in the field notes of the survey of Township 34 South, Range 13 East and Township 35 South, Range 12 East respectively. The East boundary was surveyed in 1955 under group 400. The following field notes are those of a survey of the South boundary and that part of the subdivision considered sufficent in extent to mark the boundaries of those sections normally considered as State school land, and to faciliate the development of the natural resources. The corners along the latitudinal lines were established at the true latitudinal curve and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with a Buff and Buff solar transit number 26066 and W. and L. E. Gurley solar transit number 541327, both being the property of the Bureau of Land Management, and constructed in accordance with their standard specifacations. The instruments have full vertical circles and improved type solar attachments. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachments were not used, no description of them will be included here. The instruments were in good adjustment, and prior to the beginning of the field work they were examined and all errors eliminated. They were maintained in good adjustment during the survey.

The geographic position of the southeast corner fo the township, determined through ties made to the U. S. Coast and Geodetic Survey station "Mesa" in Township 34 South, Range 7 East, is as follows: Latitude 37° 42' 49.7" North and longitude 110° 25' 48.7". West. The mean magenetic declination was found to be 15° 15' East.

The direction of the lines of the 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 as transit lines and checked by succeeding observations.

The measurments were made with steel ribbon tapes, eight chains in length. These tapes are graduated every link for the first chain, and thereafter at intervals of ten links. They were tested by comparison with a Lufkin standard steel tape, one chain in length, and found to be correct. The measurments were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by trangulation and in others by traverses and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.

Survey of the South Boundary of Township 35 South, Range 13 East.

The corner of Townships, 35 and 35½ South Range 13 East is established at a point on the West Boundary, of Township 35 South, Range 14 East, and due east of the corner of Township 35 and 35½ South, Range 12 and 13 East.

At the corner, set a iron post, 30 inches long and 2½ inches in diameter, 4 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.

Chains	
	T35S R13E | R14E S36 | S19 S24 T35½S 1956
	Deposit a sandstone rock, 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Thence.
	West between secs. 24 and 36.
	Over rolling desert land, over medium dense undergrowth.
8.00	Point of spur. projects S. 20° W. descend 80 ft. along a southwes slope.
20.50	Stream of alkaline water, 3 lks. wide, 2 inches deep in bottom of Canyon, flows N. 30° E.
27.50	Recross Stream, flows south, ascend 40 ft. over a east slope.
35.00	Spur, projects south.
40.00	Point for the ¼ sec. corner of secs. 24 and 36.
	Set a iron post, 30 inches long and 2½ inches in diameter, 6 inch in the ground to solid rock, and in a mound of stone, with brass mkd.
	¼ S36 S24 1956
	deposit a sandstone rock, 5x4x3 inches mkd. with a cross (x) at base of the post.
	Descend 30 ft. over a west slope.
43.00	Recross stream flows northeast, ascend 40 ft. over a east slope.
54.00	Spur, projects N. 05° E. descend 40 ft.
69.00	Wash, drains north 5.00 chains into Red canyon .
80.00	Point for the corner of secs. 23, 24, 35 and 36.
	Set a iron post, 30 inches long and 2½ inches in diameter, 8 inch in the ground to solid rock, and in a mound of stone, with brass mkd.
	T35S R13E S35 | S36 S23 | S24 T35½S R13E 1956
	Deposit a sandstone rock, 4x3x2 inches mkd. with a cross (x) at base of the post.
	Land, rolling desert. Soil, sandy clay loam. No timber. Undergrowth, black brush, mountain rush, tamarisk, bitter brush a scant grass.

U. S. GOVERNMENT PRINTING OFFICE 16—28600-2

Survey of the South Boundary of Township 35 South, Range 13 East

Distance	
	West, between secs. 23 and 35.
	Over rolling desert land, over scant undergrowth.
20.00	Spur, projects N. 30° E.; desc. 40 ft. over a west slope.
38.90	Road, bears NW. and SE.
39.00	Same road, bears S. and NE.
40.00	Point for the ¼ sec. corner of secs. 23 and 35.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 10 ins. in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	¼ S35 / S23
	1956
	Deposit a sandstone rock, 5x4x2 ins. mkd. with a cross (x) at the base of the post.
	Desc. 60 ft. over a southwest slope.
47.40	Draw, drains northwest.
54.00	Spur, projects N. 30° W.; desc. 80 ft. over a southwest slope.
61.90	Road, bears N. 70° E. and SW.
63.70	Stream of alkaline water, 3 lks. wide, 2 ins. deep, in bottom of Red Canyon, flows S. 40° W.; asc. 40 ft. over a southeast slope.
70.00	Spur, projects S. 30° W.; desc. 45 ft. over a west slope.
80.00	Point for the corner of secs. 22, 23, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R13E S34 | S35 S22 | S23 T35½S 1956
	Deposit a sandstone rock 3x3x2 ins. mkd. with a cross (x), at the base of the post.
	Land, rolling desert. Soil, sandy clay loam. No timber. Undergrowth, black brush, bitter brush, mountain rush, tamarisk and scant grass.

	West, between secs. 22 and 34.
	Over rolling desert land, over medium dense undergrowth.
4.23	Left bank of Colorado River, bears S. 05° W. from N. 05° E. and point for the meander corner of secs. 22 and 34.
	Set an iron post, 36 ins. long, 1 in. in diam., 22 ins. in the ground, with brass cap mkd.

247

Survey of the South Boundary of Township 35 South, Range 13 Ea

Chains	
	T35S R13E MC / S34 S22 T35½S 1956
	Thence across river, flowing S. 05° W.
17.01	Right bank of Colorado River, bears S. 30° W. from N. 15° E. and point for the meander corner of secs. 22 and 34.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground, with brass cap mkd. T35S R13E S34 MC S22 T35½S 1956
	Deposit a sandstone rock, 5x3x2 ins., mkd. with a cross (x), a the base of the post.
19.30	Wash, drains N. 40° E. into river; asc. 60 ft. over an east slope
27.30	Spur, projects N. 30° E.
40.00	Point for the ¼ sec. corner of secs. 22 and 34.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd ¼ S34 S22 1956
	Deposit a sandstone rock, 4x4x2 ins., mkd. with a cross (x), a the base of the post.
47.10	Wash, drains south.
51.00	Wash, drains south; asc. 280 ft. over a broken southeast slope.
70.30	Wash, drains southeast; asc. 120 ft. over a broken east slope.
80.00	Point for the corner of secs. 21, 22, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 4 ins. in the ground and in a mound of stone, with brass cap mkd. T35S R13E S33 S34 S21 S22 T35½S R13E 1956
	Deposit a sandstone rock, 5x3x2 ins., mkd. with a cross (x), a the base of the post.
	Land, rolling and broken desert. Soil, sandy clay. No timber. Undergrowth, shadscale, mountain rush, tamerisk and medium grass.

288

Survey of the South Boundary of Township 35 South Range 13 East

Chains	
	West between secs. 21 and 33.
	Over broken and rolling desert land, ascend 550 ft. over a ledgy east slope.
11.50	Top of ledges, rim bears N. 20° W. and south.
14.00	Spur, projecst south, descend 100 ft. over a west slope.
33.40	Draw, drains S. 06° W.
40.00	Point for the ¼ sec. corner of secs. 21 and 33.
	Set a iron post, 36 inches long and 1 inch in diameter, 4 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S33 / S21 1956
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
47.50	Draw, drains south.
56.00	Draw, drains south 3.00 chains then southeast, thence across sandy flat.
70.00	Point for the corner of secs. 20, 21, 32 and 33.
	Over a cross (x) cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a mound of stone, with brass cap mkd.
	[illegible] 13E / [illegible] 0 | 21 / T35S R13E 1956
	Land, broken and rolling desert. Soil, sandy clay and sand, with sandstone ledges and boulders. No timber. Undergrowth, shadscale, black brush, mountain rush and scant grass.
	West between secs. 20 and 32.
	Over broken desert land, over scant undergrowth.
5.00	Sandy draw, drains south, ascend 220 ft. over a broken east slope.
16.00	Sandstone Spur, projects S. 20° E. descend 190 ft. over barren sandstone spurs, ribs and knobs, putting to the south.
40.00	Point for the ¼ sec. corner of secs. 20 and 32.
	Set a iron post, 36 inches long and 1 inch in diameter, 4 inches in in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	¼ S32 / S20 1956

Chains	
	Deposit a sandstone rock, 5x3x2 inches mkd. with a cross (x) at the base of the post.
46.10	Draw, drains N. 20° W. ascend 120 ft. over a east slope.
57.20	Spur, projecst N. 35° W. descend 200 ft. over a northwest slope.
69.50	Rim, of canyon bears north and south, descend 200 ft. over a ledgy west slope.
75.00	Bottom of canyon, East fork of Ticaboo, drains S.
78.07	Point for the witness corner of secs. 31, 32, 19 and 20.
	Set a iron post, 36 inches long and 1 inch in diameter, 15 inches in te ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R13E S31 | S32 S19 | S20 W C T35½S R13E 1956
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
	Ascend 220 ft. over ledges facing to the east.
80.00	True point for the corner of secs. 19, 20, 31 and 32 . falls on the face of a sandstone ledge where the corner cannot be perpetuated.
	Land, broken desert. Soil, sandy clay loam, with broken and barren sandstone. No timber. Undergrowth, scattered black brush, mountain rush and scant grass.

	West between secs, 19 and 31.
	Over broken desert, over scant undergrowth, ascend 300 ft. over a broken east slope.
21.70	Sandstone spur, projects southwest, descend 260 ft. over a broken west slope.
35.37	The corner of Townships 35 and 35½ South, Ranges 12 and 13 East, an iron post, 2½ inches in diameter, conforming to the record.
	Land, broken desert. Soil, sandy clay loam, with barren sandstone. No timber. Undergrowth, Scattered black brush, bitter brush and grass.

Survey of the Subdivision of Township 35 South, Range 13 East.

	Beginning at the corner of secs. 23, 24, 35 and 36. on the south boundary of the township, mkd. by a iron post, 2½ inches in diameter.
	Thence
	N. 0° 01' W. between secs. 35 and 36.
	Over rolling desert land, over scattered undergrowth.

Survey of the Subdivision of Township 35 South, Range 13 East

Chains	
	Depth 55 ft. over a north slope.
9.10	Stream of alkaline water, 3 lks. wide, 2 ins. deep in bottom of Red Canyon, flows west.
15.30	Road, bears southwest from northeast.
17.20	Spur, projects southwest; asc. 100 ft. over a south slope.
25.90	Spur, projects west; desc. 80 ft. over a northwest slope.
35.50	Road, bears SW. and SE.
36.00	Wash, drains S. 70° W.
40.00	Point for the ¼ sec. corner of secs. 35 and 36.

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

¼
S35 | S36
1956

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

49.90	Draw, drains southeast; asc. 120 ft. over a south slope.
59.00	Spur, projects S. 70° E.; desc. 80 ft. over a northeast slope.
62.20	Draw, drains S. 60° E.
75.90	Foot of Castle Butte; asc. 80 ft. over a southwest slope.
80.00	Point for the corner of secs. 25, 26, 35 and 36.

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

T35S R13E
S26 | S25
S35 | S36

1956

Deposit a sandstone rock, 5x3x2 ins. mkd. with a cross (x) at the base of the post.

Land, rolling desert.
Soil, clay loam.
No timber.
Undergrowth, scattered black brush, bitter brush, mountain rush and grass.

Establishment of the ¼ sec. corner, on the East Boundary of Sec. 36

At a point 2.55 chs. north of the ¼ sec. cor. of sec. 19, T. 35 S., R. 14 E. mkd. by an iron post, 2½ ins. in diam., conforming to the record.

Set an iron post, 36 ins. long, 1 in. in diam., 14 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd.

¼
S36
1956

Chains	
	Deposit a sandstone rock, 4x4x3 ins., mkd. with a cross (x) at the base of the post.
	Establishment of the corner of secs. 25 and 36 on the East Boundary of the Township
	At a point 2.55 chs. north of the corner of secs. 18 and 19, T. 35 S., R. 14 E., mkd. by an iron post, 2½ ins. in diam., conforming to the record.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 4 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. T35S / R13E R14E / S25. | S36 | S18 / 1956
	Deposit a sandstone rock, 5x4x2 ins. mkd. with a cross (x) at the base of the post.
	S. 89° 54' W. between secs. 25 and 36.
	Over rolling desert land, over scattered undergrowth; desc. 40 ft.
8.50	Wash, 2.00 chs. wide, 40 ft. deep, drains south from northeast; asc. 150 ft. over an east slope.
16.30	Spur, projects S. 20° W.; desc. 115 ft. over a west slope.
31.00	Draw, drains south; asc. 100 ft. over an east slope.
40.02	Point for the ¼ sec. corner of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. ¼ S25 / S36 / 1956
	Deposit a sandstone rock, 5x5x3 ins. mkd. with a cross (x) at the base of the post.
56.00	Foot of Castle Butte; asc. 120 ft. along the foot of Castle Butte.
74.80	Draw, drains south.
80.04	The corner of secs. 25, 26, 35 and 36.
	Land, rolling and broken desert. Soil, clay loam. No timber. Undergrowth, scattered black brush, mountain rush, bitter brush and grass.

Survey of the Subdivision of Township 35 South Range 13 East

Chains	
	Beginning at the corner of secs. 21, 22, 33 and 34, on the south boundary of the township.
	Thence,
	N. 0° 02' W. between secs. 33 and 34.
	Over broken desert land, over scant undergrowth, ascend 180 ft. over a east slope.
9.20	Draw, drains S. 10° E. ascend 290 ft. over a broken southwest slope of barren sandstone.
25.00	Sandstone spur, projects west, descend 60 ft. along a west slope
35.00	Draw, drains southwest from north, thence ascend 120 ft. along sandstone draw.
40.00	Point for the ¼ sec. corner of secs. 33 and 34. falls on sandstone slickrock, sloping steeply to the east, where it is impractible to set a post.
	Ascend 110 ft. along draw.
44.70	Leave draw, drains from northeast, ascend 80 ft.
53.50	Sandstone knob, ascend 260 ft. over a barren south sandstone slope.
71.00	Sandstone spur, projects west, descend 80 ft. over a northwest slope.
78.20	Draw, drains S. 75° W. ascend 30 ft. over ledges facing to the south.
80.00	Point for the corner of secs. 27, 28, 33 and 34. falls on the face of a sandstone ledge sloping steeply to the south where it is impractical to set a post.
	Land, broken desert. Soil, barren sandstone ledges, spurs, knobs, ribs and cravices, with sand in the pockets. No timber. Undergrowth, scant black brush, silver leaf, mountain rush and grass.

	N. 0° 02' W. between secs. 27 and 28.
	Over broken desert land, over scant undergrowth, ascend 200 ft. over a broken southwest slope, of barren sandstone.
25.50	Rim of Mesa, bears N. 30° E. and S. 30° W. Thence across nearly level mesa top.
40.00	Point for the ¼ sec. corner of secs. 27 and 28.
	Set a iron post, 36 inches long and 1 inch in diameter. 24 inches in the ground, with brass cap mkd.
	S28 | S27
	1956
	Deposit a sandstone rock, 4x4x3 inches, mkd. with a cross (x) at the base of the post.
50.00	Rim of mesa, bears N. 10° E. and S. 20° W. descend descend 160 ft. along a broken west slope.

Survey of the Subdivision of Township 35 South, Range 13 East.

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

Cement a brass tablet, 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd.

T35S R13E
S21 | S22
S28 | S27

1956

A cross (x) cut in solid sandstone, bears North, 1 link distant.

Land, broken and nearly level mesa top.
Soil, sandy loam, and barren sandstone.
No timber.
Under rowth, black brush, bitter brush, mountain rush and grass.

N. 0° 02' W. between secs. 21 and 22.

Over broken and rolling desert land, through a few scattered juniper and medium dense undergrowth. descend 100 ft. along a west slope.

7.50 Bottom of canyon, drains southwest, ascend 220 ft. over a broken west slope.

17.30 Rim, of mesa, bears east and west, ascend 80 ft. Over rolling mesa top.

40.00 Point for the ¼ sec. corner of secs. 21 and 22.

Over a cross (x) cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd.

¼
S21 | S22

1956

Descend 75 ft. along a gentle N.W. slope

69.40 Rim, of Four Mile Canyon, bears N. 62° E. and South 70° W. descend 175 ft. over a broken north slope.

78.80 Point for the witness corner of secs. 15, 16, 21 and 22.

Cement a brass tablet, 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd.

T35S R13E
S16 | S15
S21 | S22

1956

A cross (x) cut in solid sandstone, bears South, 1 link distant.

0.00 True point for the corner of secs. 15, 16, 21 and 22. falls on the slope of a steep sandstone knob, where the corner cannot be perpetuated.

Land, broken and rolling desert.
Soil, sandy loam, with barren sandstone.
No timber.
Undergrowth, scattered juniper, black brush, mountain rush and grass

Chains	
	N. 0° 02' W. between secs. 15 and 16.
	Over broken desert land, over scant undergrowth, descend 1000 ft. over a series of sandstone, ledges, knobs, ribs, spurs and crevices, putting to the east.
40.00	Point for the ¼ sec. corner of secs. 15 and 16.
	Set a iron post, 30 inches long and 2½ inches in diameter, 20 inches in the ground, with brass cap mkd.
	S16 | S15 1956
	from which
	A cottonwood 4 inches in diameter, bears S. 79° E. 13 links, mkd ¼ S 15 BT.
	A cottonwood 8 inches in diameter, bears N. 24° W. 4 links, mkd. ¼ S 16 BT.
	Descend 250 ft. over a broken northeast slope.
48.50	Draw, drains N. 30° W. ascend 150 ft. along a ledgy west slope.
60.00	Ledgy spur, projects west, descend 200 ft. over a broken northwest slope.
72.50	Bottom of Four Mile Canyon, drains N. 30° W.
80.00	Point for the corner of secs. 9, 10, 15 and 16.
	Set a iron post, 30 inches long and 2½ inches in diameter, 6 inches in the ground to solid rock, and in a mound of stone, with brass cap mkd.
	T35S R13E S 9 | S10 S16 | S15 1956
	Deposit a sandstone rock, 5x4x2 inches, mkd. with a cross (x) at the base of the post.
	Land, broken desert. Soil. Sandy clay loam, with barren sandstone, spurs, ribs and knobs. Timber, widely scattered juniper, with a few cottonwood in the canyon bottoms. Undergrowth, scant black brush, bitter brush, mountain rush and grass.
	N. 0° 02' W. between secs. 9 and 10.
	Over broken desert land, over widely scattered undergrowth.
2.00	Draw, drains east, ascend 200 ft. along a broken southwest changing to south slope.
20.00	Thence along east side of previous draw, ascend 120 ft.
38.50	Recross draw, drains from NE., asc. 40 ft.
40.00	Point for the ¼ sec. corner of secs. 9 and 10. falls on sandstone slickrock, sloping steeply to the east where the corner cannot be

Chains	
	perpetuated. ascend 100 ft. over a broken southeast slope.
45.00	Point for the witness ¼ sec. corner of secs. 9 and 10.
	Over a cross (x) cut in solid sandstone, set a iron post, 30 inch long and 2½ inches in diameter, in a large mound of stone, with b cap mkd.
	¼ W | C S9 | S10 1956
	Ascend 90 ft. over a broken south slope.
58.00	West side of a sandstone knob, ascend 160 ft.
6[illegible].00	Sandstone knob, descend 180 ft. over a broken north slope.
80.00	Point for the corner of secs. 3, 4, 9 and 10.
	Cement a brass tablet, 3½ inches in diameter, with a 3 inch stem, in a hole drilled in solid sandstone, with cap mkd.
	T35S R13E S4 | S3 S9 | S10 1956
	A cross (x) cut in solid sandstone, bears North, 1 link distant
	Land, broken desert. Soil, sandy clay loam, in the draws, the balance barren sandstone No timber. Undergrowth, scant black brush, bitter brush, rabbit brush, mount rush and grass.
	N. 0° 16' W. between secs. 3 and 4.
	Over broken desert land, over scant undergrowth.
10.50	South side of sandstone knob, descend 1260 ft. over a series of sandstone, ledges, spurs, ribs, knobs and crevices, putting to th north.
40.00	Point for the ¼ sec. corner of secs. 3 and 4.
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches the ground to solid rock, and in a large mound of stone, with bra cap mkd.
	¼ S4 | S3 1956
	Deposit a sandstone rock, 4x4x2 inches Mkd. with a cross (x) at the base of the post.
	Descend 180 ft. over a broken north slope.
48.50	Bottom of Two Mile Canyon, drains east. ascend 260 ft. over a bro south slope.

64.85 The corner of secs. 3 and 4 on the north boundary of the township mkd. by an iron post, 2½ inches in diameter, as described in the field notes of T. 34 S., R. 13 E.

Land, broken desert.
Soil, sandy clay loam, with barren sandstone.
Timber, a few widely scattered juniper.
Undergrowth, scant black brush, mountain rush and grass.

Beginning at the corner of secs. 1 and 2 on the north boundary of the township, mkd. by an iron post, 2½ inches in diameter, as described in the field notes of T. 34 S., R. 13 E.

Thence.

S. 0° 01' E. between secs. 1 and 2.

Over nearly level mesa top, over medium dense undergrowth.

25.18 Point for the ¼ sec. corner of secs. 1 and 2.

Set an iron post, 30 inches long and 2½ inches in diameter, 6 inches in the ground to solid rock, and in a large mound of stone, with brass cap mkd.

¼
S2 | S1

1956

Deposit a sandstone rock, 5x3x3 inches, mkd. with a cross (x) at the base of the post.

28.60 Red sandstone ledge, 100 ft. high, descend 230 ft. over a broken southeast slope.

39.00 Draw, drains S. 20° W. thence along a broken west slope.

65.00 Point for the witness corner of secs. 1, 2, 11 and 12.

Over a cross (x) cut in solid sandstone, set an iron post, 30 inches long and 2½ inches in diameter, in a large mound of stone, with brass cap mkd.

T35S R13E
W C
S2 | S1
S11 | S12

1956

65.18 True point for the corner of secs. 1, 2, 11 and 12, falls on the steep slope of a sandstone knob, where the corner cannot be perpetuated.

Land, nearly level mesa top, and broken desert.
Soil, sandy clay loam, with barren sandstone.
No timber.
Undergrowth, medium black brush, mountain rush and grass.

Beginning at the corner of secs. 2 and 3 on the north boundary of the township, mkd. by an iron post, 2½ ins. in diameter, as described in the field notes of T. 34 S., R. 13 E.

Thence.

S. 0° 01' E. between secs. 2 and 3.

Chains	
	Over broken desert land, over medium dense undergrowth, ascend 80 ft. along a west slope.
17.20	Spur, projects N. 40° W., thence along a west slope.
25.01	Point for the ¼ sec. corner of secs. 2 and 3.
	Over a cross (x) cut in solid sandstone, set a iron post, 30 inches long and 2½ inches in diameter, in a large mound of stone, with brass cap mkd.
	¼ S3 | S2 1956
29.60	Pond of water, about 15 ft. in diameter, and 3 ft. deep, bears west, 40 links distant.
35.30	Bladed road, bears N. 05° W. and S. 05° E.
44.00	Wash, drains west.
65.01	Point for the corner of secs. 2, 3, 10 and 11.
	Set an iron post, 30 inches long and 2½ inches in diameter, 13 inches in the ground to solid rock, and in a large mound of stone, with brass cap mkd.
	T35S R13E S 3 | S 2 S10 | S11 1956
	Deposit a sandstone rock, 5x3x2 inches mkd. with a cross (x) at the base of the post.
	Land, broken desert. Soil, sandy clay loam, with barren sandstone. No timber. Undergrowth, black brush, mountain rush, grass and weeds.
	Beginning at the true point for the corner of secs. 1, 2, 11 and 12.
	Thence.
	S. 89° 59' W. between secs. 2 and 11.
	Over broken desert land, over scant undergrowth, descend 480 ft. over a broken ledgy west slope.
9.50	Draw, drains SW., desc. along a SW. slope.
17.50	Draw, drains S. 10° E., ascend 640 ft. over a broken ledgy, east slope.
39.78	Point for the ¼ sec. corner of secs. 2 and 11.
	On a spur, projecting S. 20° W., over a cross (x) cut in solid sandstone, set a iron post, 30 inches long and 2½ inches in diameter,

Chains	
	in a large mound of stone, with brass cap mkd. ¼ S2 / S11 1956
	Descend 320 ft. over a broken west slope.
56.00	Head of draw, drains S. 75° W. descend 180 ft. over a west slope.
77.00	Spur, projects S. 20° W. descend 40 ft.
79.96	The corner of secs. 2, 3, 10 and 11.
	Land, broken desert. Soil, sandy clay, with barren sandstone. No timber. Undergrowth, black brush, mountain rush, grass and weeds.
	Beginning at the true point for the corner of secs. 15, 16, 21 and 22.
	Thence.
	West, between secs. 16 and 21.
	Over broken desert land, through scant undergrowth, descend 180 ft. over a series of sandstone, spurs, ribs and knobs putting to the north.
24.50	Draw, drains N. 30° E. ascend 170 ft. over a broken northeast slope.
34.00	Spur projects north.
40.00	Point for the ¼ sec. corner of secs. 16 and 21.
	Set a iron post, 36 inches long and 1 inch in diameter, 6 inches in the ground, to solid rock and in a large mound of stone, with brass cap mkd. ¼ S16 / S21 1956
	Deposit a sandstone rock, 4x4x2 inches mkd. with a cross (x) at the base of the post.
	Over a series of sandstone, spurs, ribs, knobs and crevices putting to the north.
80.00	Point for the corner of secs. 16, 17, 20 and 21. falls on the steep slope of a sandstone rib, where the corner cannot be perpetuated.
	Therefore at a point, S. 0° 03' E. 7.80 chains distant. Set a iron post, 36 inches long and 1 inch in diameter, over a cross (x) cut in solid sandstone, in a large mound of stone, with brass cap mkd. T35S R13E S17 | S16 S20 | S21 W C 1956

Chains	
	Land, broken desert. Soil, sandy clay loam, with barren sandstone. Timber, a few widely scattered juniper. Undergrowth, scattered black brush, mountain rush and grass.
	N. 0° 03' W. between secs. 16 and 17.
	Over broken desert land, through widely scattered juniper and scar undergrowth. descend 920 ft. over a series of sandstone spurs, rib and ledges, putting to the north.
21.50	Deep draw, drains N. 15° W. thence along a broken west slope.
40.00	Point for the ¼ sec. corner of secs. 16 and 17. falls on a sandsto ledge where the corner cannot be perpetuated. ascend 80 ft.
42.30	Point of sandstone spur, projects west. descend 430 ft. over a bro northwest slope.
54.80	Recross draw, drains N. 30° E. ascend 60 ft. over a southeast slop
63.00	Spur, projects northeast. descend 100 ft. over a northeast slope.
69.00	Wash in bottom of Four Mile Canyon, drains southeast, for 4. chains then east, ascend 480 ft. over a ledgy south slope.
78.50	Rim of Four Mile Canyon, bears east and west.
80.00	Point for the corner of secs. 8, 9, 16 and 17.
	Over a cross (x) cut in solid sandstone, set a iron post, 30 inche long and 2½ inches in diameter, in a large mound of stone, with br cap mkd.
	T35S R13E S8 | S9 S17 | S16 1956
	Land, broken desert. Soil, sandy clay, with barren sandstone. Timber, a few widely scattered juniper. Undergrowth, scattered black brush, bitter brush, mountain rush an scant grass.
	Beginning at the corner of secs. 9, 10, 15 and 16.
	Thence.
	West, between secs. 9 and 16.
	Over broken ledgy desert land, ascend 120 ft. over a southeast slo
12.00	Spur, projects south, descend 90 ft. over a west slope.
1[illegible].00	Draw, drains south, ascend 560 ft. over a ledgy southeast slope.
39.50	Rim of Four Mile Canyon, bears northeast and southwest
39.90	Point for the ¼ sec. corner of secs. 9 and 16.

U. S. GOVERNMENT PRINTING OFFICE 16—28220-2

Chains	
	Over a cross (x) cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd. $\frac{1}{4}$ S9 / S16 1956
42.00	Sandstone ledge, projects south.
55.00	Spur, projects southeast, descend 220 ft. over a broken west slope.
68.00	Deep draw, drains south, ascend 150 ft. over a broken east slope.
73.50	Rim, bears north and south,
79.80	The corner of secs. 8, 9, 16 and 17.
	Land, broken desert. Soil, sandy clay, with barren sandstone. Timber, widely scattered juniper. Undergrowth, scattered black brush, mountain rush and scant grass.

	Beginning at the corner of secs. 20, 21, 32 and 33. on the south boundary of the township.
	Thence.
	N. 0° 03' W. between secs. 32 and 33.
	Over broken desert land, through a few widely scattered dwarf juniper and scant undergrowth, ascend 35 ft. over a south slope.
15.40	Spur, projects N. 70° W. descend 25 ft.
20.90	Wash, drains southwest. ascend 140 ft. over a south changing to west slope.
40.00	Point for the $\frac{1}{4}$ sec. corner of secs. 32 and 33.
	Over a cross (x) cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd. S32 $\frac{1}{4}$ S33 1956
	Ascend 30 ft.
44.50	Sandstone rib, projects west. descend 65 ft. over a north slope.
50.70	Sandstone draw, drains S. 70° W. ascend 160 ft. over a south slope.
58.50	West side of sandstone knob, thence over a series of sandstone spurs and ribs.
80.00	Point for the corner of secs. 28, 29, 32 and 33.
	Over a cross (x) cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd.

Chains	
	T35S R13E S29 | S28 S32 | S33 1956
	Land, broken desert. Soil, sandy clay loam, with barren sandstone. Timber, a few widely scattered juniper. Undergrowth, scattered black brush, mountain rush, bitter brush an grass.
	Beginning at the true point for the corner of secs. 19, 20, 31 and 32, on the south bdy. of the township.
	Thence.
	N. 0° 03' W. between secs. 31 and 32.
	Over broken desert land, through widely scattered juniper and scan undergrowth, thence along a broken sandstone slope, on west side o canyon.
26.00	Spur projects northeast, descend 220 ft, over a northeast slope.
33.50	Bottom of canyon, drains S. 20° E. from N. 20° E. ascend 200 ft. o a broken southeast slope.
40.00	Point for the $\frac{1}{4}$ sec. corner of secs. 31 and 32. falls on a steep sandstone slope, putting to the east, where it is impracticable to set a post.
	Therefore at a point 3.60 chains east, on the east side of the can set a iron post, 36 inches long and 1 inch in diameter, 6 inches i the ground to solid rock, and in a mound of stone, with brass cap mkd. $\frac{1}{4}$ WC S31 | S32 1956
	Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x) at the base of the post.
	Ascend 100 ft. along a broken east slope.
59.00	Spur, projects S. 85° E. descend 120 ft. along a broken east slope
75.00	Bottom of canyon, drains S. 20° E, asc. SE. slope.
80.00	Point for the corner of secs. 29, 30, 31 and 32.
	Set a iron post, 30 inches long and 2½ inches in diameter, 6 inches in the ground, to solid rock and in a mound of stone, with brass cap mkd. T35S R13E S30 | S29 S31 | S32 1956
	Deposit a sandstone rock, 5x3x2 inches Mkd. with a cross (x) at t base of the post.

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

Chains	
	Land, broken desert. Soil, sandy clay loam, with barren sandstone. Timber, widely scattered juniper. Undergrowth, scant black brush, shadscale, mountain rush and grass.
	Beginning at the corner of secs. 28, 29, 32 and 33.
	Thence.
	S. 69° 57' W. between secs. 29 and 32.
	Over broken desert land, through widely scattered juniper and scant undergrowth, ascend 105 ft. over a series of sandstone knobs and ribs, putting to the south.
12.40	Top of ascent, descend 110 ft. over a series of knobs and ribs putting to the northwest.
19.50	Enter nearly level sandy flat.
38.50	Sandstone rib, in draw that drains S. 10° W.
40.05	Point for the ¼ sec. corner of secs. 29 and 32.
	Over a cross cut in solid sandstone, set a iron post, 36 inches long and 1 inch in diameter, in a large mound of stone, with brass cap mkd.
	$\frac{S29}{S32}$
	1956
	Thence along a broken south slope.
62.50	South side of sandstone knob, on spur, projecting S. 40° W. descend 320 ft. over a west slope.
80.10	The corner of secs. 29, 30, 31 and 32.
	Land, broken desert. Soil, sand, sandy clay, with barren sandstone. Timber, widely scattered juniper. Undergrowth, medium black brush, bitter brush, mountain rush and grass.

General Descriptiom

The land in the township is a broken and rolling desert. The township is cut by numerous steep sided box can ons, draining into tributaries of the Colorado River, which flows through the east portion of the township. The soil is principally a shallow sandy clay with exposed sandstone. There is a widely scattered growth of dwarf juniper, and a few pinon. The undergrowth is mainly black brush and gramma grass, with lesser amounts of mountain rush, yellow brush, bitter brush, and weeds. There are no permanent habitations in the township. A considerable amount of prospecting for fissionable minerals has been, and, to some extent, is still being carried on in the area.

	Chains		Chains

U. S. GOVERNMENT PRINTING OFFICE 16—26880-2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Beem J. Allen	Principal Assistant
Bobby L. Porter	Chainman
Allen L. Moyes	Rodman
C. Rand Burr	Cornerman
Walter B. Hill	Axeman
Neil R. Forsyth	Principal Assistant
Paige L. Cannon	Chainman
Rulon S. Ellett	Flagman
Henry B. Pedersen	Axeman
Richard R. Torgeson	Axeman
Vergean Porter	Cornerman

CERTIFICATE OF CADASTRAL ENGINEER

We
I, Fred R. Chappell and Kenneth D. Witt, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 5 day of March
We and supplemental instructions dated March 23, 195
I have surveyed the south boundary and portions of the subdivision of T. 35 S., I

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

represented in the foregoing field notes as having been executed by us; an

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

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

field notes.

June 19, 1957

Salt Lake City, Utah

Kenneth D. Witt
Kenneth D. Witt, Cartographic Surv
Fred R. Chappell
Fred R. Chappell, Cadastral Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 1

The foregoing field notes of the survey of _____

executed by _____

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

_____
Cadastral Engineering Staff Of

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 Offi

U. S. GOVERNMENT PRINTING OFFICE 16—53665-8

306

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—53565-2

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor th

pursuance of special instructions bearing date of the 5 day of March, 1

and supplemental instructions dated March 23,

I have ~~surveyed~~ supervised the survey of the south boundary and portions of the

subdivision of T. 35 S., R. 13 E.

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

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 fo

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

field notes.

June 19, 1957 — Robert C. Yundt

Salt Lake City, Utah — Robert C. Yundt, Cadastral Surv

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., AUG 21 1957, 19

The foregoing field notes of the survey of the south boundary and portions of the sub

of T. 35 S., R. 13 E., SLM, Utah

supervised by ~~executed by~~ Robert C. Yundt

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

Earl G. Harrington

~~Chief, Division of Cadastral Engineeri~~

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

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

, is a true copy of the original field notes.

~~Chief, Division of Cadastral Engineeri~~

U. S. GOVERNMENT PRINTING OFFICE 16—63266-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the West Boundary

and a

Portion of the Subdivision

of

Township 35 South, Range 14 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Cannon G. Parkinson, Cartographic Survey Aid

Under special instructions dated March 17, *19*55, *which provided for the surveys included under Group No.* 400, *approved* April 4, 1955 *and assignment instructions dated* March 30, *19*55

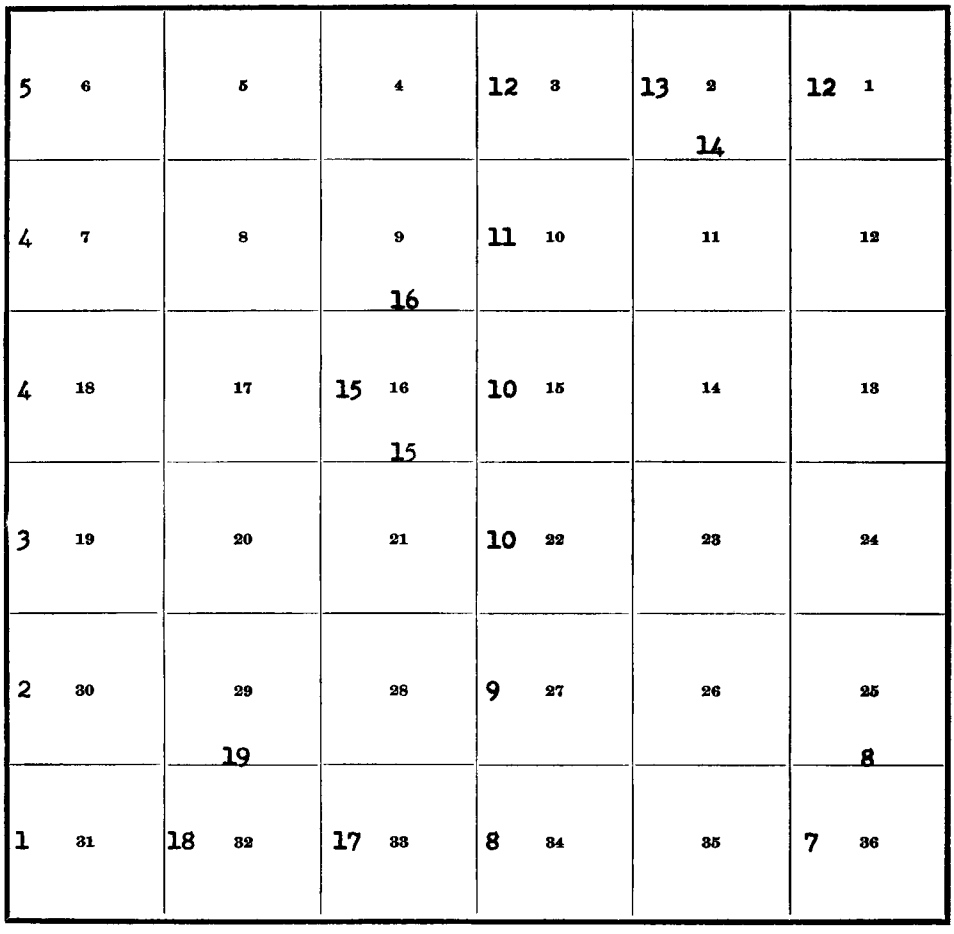
Survey commenced May 9, *19*55

Survey completed July 1, *19*55

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

INDEX DIAGRAM

Township 35 South, *Range* 14 East



16—56770-1

Survey of the West Boundary and a Portion of the Subdivision of Township 35 South, Range 14 East

Chains

The east boundary and the Seventh Standard Parallel South, the south boundary of this township, were surveyed by R. C. Yundt in 1931. The north boundary was surveyed concurrently under this same group.

The following field notes are those of the west boundary and a portion of the subdivisional lines of T. 35 S., R. 14 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a Buff and Buff solar transit No. 23815 constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the corner of Ts. 34 and 35 S., Rs. 14 and 15 E., is latitude 37° 41' 04" N., longitude 110° 19' 14,5" W., as determined by traverse from U.S.G.S. triangulation station "Mine", situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Survey of the West Boundary of T. 35 S., R. 14 E.

Beginning at the standard cor. of T. 35½ S., R. 13 E. and T. 35 S., R. 14 E., marked by an iron post, 3 ins. diam., in a large mound of stone, set, mkd. and witnessed as described in the official record.

North, along the W. bdy. of sec. 31.

Over broken mesa top, westerly drainage; asc. 50 ft.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, 1 in. diam., 8 ins. in bedrock, with brass cap mkd. ¼ S 36 | S 31 1955 Continue over broken mesa top.
46.00	Ledge, about 50 ft. high, bears E. and W.; asc. 110 ft.
64.00	E. wall of Mancos Mesa, bears S. 20° E. and N. irregularly along line.
80.00	Point for the cor. of secs. 25, 30, 31 and 36, falls on an inaccessible ledge bearing N. and S. The point selected for the witness cor. of secs. 25, 30, 31 and 36 bears S. 89° 58' W., 1.67 chs. dist. At the point for the witness corner Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd. T35½S T35S R13E R14E S25 | S30 → W S36 | S31 C 1955 Raise a mound of stone, 3 ft. base, around the iron post to top of post. Land, broken. Soil, shallow sand. No timber.
	North, bet. secs. 25 and 30. Over rough mountainous land; desc. 10 ft. over N. slope.
6.80	N. crest of mesa, bears NE. and W.; desc. 1340 ft. over cliff, about 100 ft. high; and steep N. talus slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30. Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground to bedrock, with brass cap mkd. ¼ S 25 | S 30 1955 Raise a mound of stone, 2½ ft. base, 2 ft. high, W. of the iron post. Continue over broken land.
43.90	Bladed road, bears E. and SW.; desc. 10 ft.
49.80	Wash, 1 chain wide, 4 ft. deep, course NW.; asc. 10 ft.

U. S. GOVERNMENT PRINTING OFFICE 16—28830—1

Survey of the West Boundary of T. 35 S., R. 14 E.

Chains	
50.80	Ridge, bears E. and W.; desc. 120 ft.
76.50	Wash, in bottom of Red Canyon, 1 ch. wide, 4 ft. deep, course W.; asc. 40 ft.
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, with brass cap mkd. T35½S T35S R13E R14E S24 | S19 S25 | S30 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Land, broken. Soil, shallow sand. No timber.
	North, along the W. bdy. of sec. 19. Over broken land; asc. 140 ft.
10.20	Ridge, bears E. and W.; desc. 80 ft. along NW. slope.
20.10	Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 170 ft.
33.60	Bladed road, bears SE. and W.; desc. 100 ft. over steep N. slope.
40.00	Point for the ¼ sec. cor. of sec. 19. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd. ¼ | S 19 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Continue over broken land; desc. 50 ft.
48.20	Wash, 20 lks. wide, 2 ft. deep, course W.; asc. 180 ft.
65.80	Ridge, bears E. and W.; desc. 190 ft.
72.20	Wash, 30 lks. wide, 4 ft. deep, course W.
78.50	Bladed road, bears NE. and SW.; desc. 10 ft.
80.00	Point for the cor. of secs. 18 and 19. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd. T35S R14E S18 S19 1955

Chains

Raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, broken.
Soil, shallow sand.
No timber.

North, along the W. bdy. of sec. 18.

Over broken mountainous land; desc. 30 ft.

5.40 Wash, 50 lks. wide, 4 ft. deep, in bottom of Blue Notch Canyon, course SW.

12.50 Same wash, course SE.; asc. 50 ft.

15.80 Ridge, bears E. and W.; desc. 30 ft.

18.30 Same wash, course SW.; asc. 40 ft.

20.90 Spur, projects W.; desc. 20 ft.

21.70 Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 160 ft. over broken S. slope.

40.00 Point for the ¼ sec. cor. of sec. 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd,

¼
| S 18
1955

Continue over broken land; desc. 60 ft.

52.30 Wash, 20 lks. wide, 4 ft. deep, course SW.; asc. 420 ft. over steep talus S. slope.

80.00 Point for the cor. of secs. 7 and 18.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

T35S
R14E
S7
S18
1955

Raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, broken.
Soil, shallow sand.
No timber.

North, along the E. bdy. of sec. 7.

Over rough mountainous land; asc. 470 ft. over steep SE. talus slope and cliff, about 100 ft. high.

4.00 S. crest of mesa, bears NE. and SW.; continue over nearly level mesa top.

Survey of the West Boundary of T. 35 S., R. 14 E.

Chains	
15.00	W. crest of mesa, bears NE. and SW.; desc. 800 ft. over face of cliff, about 100 ft. high, and steep NW. talus slope.
31.00	Wash, 50 lks. wide, 5 ft. deep, course W.; asc. 20 ft.
40.00	Point for the ¼ sec. cor. of sec. 7.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.
	¼ | S 7 1955
	Raise a mound of stone, 2½ ft. base, around the iron post, to top of post.
	Continue over broken bench top; desc. 40 ft.
46.00	Wash, 20 lks. wide, 2 ft. deep, course W.; asc. 10 ft.
47.50	Spur, projects W.; desc. 20 ft.
56.00	Wash, 40 lks. wide, 4 ft. deep, course W.; asc. 20 ft.
66.00	Spur, projects W.; desc. 40 ft. along NW. slope.
69.00	Wash, 40 lks. wide, 3 ft. deep, course NW.; desc. 120 ft. along steep SW. slope.
80.00	Point for the cor. of secs. 6 and 7.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.
	|T35S |R14E |S6 |S7 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, broken. Soil, shallow sand. No timber.
	North, along the W. bdy. of sec. 6.
	Over broken bench top; desc. 20 ft.
5.00	Wash, 15 lks. wide, 2 ft. deep, course NW.; asc. 10 ft.
6.50	Spur, projects NW.; desc. 60 ft. along broken NW. slope.
19.60	Wash, 20 lks. wide, 5 ft. deep, course NW.; asc. 60 ft.
23.00	Spur, projects W.; desc. 80 ft.
24.70	Wash, 1.20 chs. wide, 60 ft. deep, course W.; asc. 110 ft.
30.30	Spur, slopes SW.; desc. 30 ft.

Chains	
39.60	Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 10 ft.
40.00	Point for the ¼ sec. cor. of sec. 6.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 6 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Over nearly level land; desc. 30 ft.
51.40	Wash, 30 lks. wide, 6 ft. deep, course NW.; asc. 20 ft.
56.60	Spur, slopes W.; desc. 70 ft. along broken NW. slope.
57.50	N. crest of bench, bears NE. and SW.; desc. 130 ft. over ledge, about 100 ft. high, and slight NW. slope.
66.70	Left bank of Colorado River, course SW.; bank 3 to 8 ft. high.
	Point for the meander cor. of sec. 6,
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock, with brass cap mkd,
	M C S6 T35S R14E 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
68.50	Waters edge, left shore of Colorado River at low stage.
74.00	Waters edge, right shore of Colorado River.
80.00	Point for the cor. of Ts. 34 and 35 S., R. 14 E.
	Set an iron post, 30 ins. long, 2½ ins. diam., 25 ins. in the ground to bedrock, with brass cap mkd.
	T34S R14E S31 S6 T35S 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	This cor. is located on the right bank of the Colorado River at the point for the meander cor., bank 3 to 6 ft. high, bears NE. and SW.
	Land, broken in the S., bottom land in the N. 20 chs. Soil, shallow sand. No timber.

Survey of a Portion of the Subdivision of T. 35 S., R. 14 E.

Chains	
	Beginning at the standard cor. of secs. 35 and 36, on the S. bdy. of the township, set, mkd. and witnessed as described in the official record of the 1931 survey of the Seventh Standard Parallel South.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over broken land; desc. 60 ft. over steep NE. slope.
1.90	Wash, 10 lks. wide, 2 ft. deep, course NW.; asc. 10 ft.
4.00	Spur, slopes NW.; desc. 10 ft.
6.80	Wash, 15 lks. wide, 3 ft. deep, course W.; asc. 20 ft. over SW. slope.
10.00	Ridge, bears NW. and SE.; desc. 100 ft. over broken NE. slope.
14.80	Wash, in bottom of Rainbow Canyon, 55 lks. wide, 6 ft. deep, course NW.; asc. 30 ft. over steep SW. slope.
17.50	Mine access road, bears E. and W.; asc. 200 ft. along broken 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., 10 ins. in the ground to bedrock, with brass cap mkd. ¼ S 35 | S 36 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Continue over steep broken SE. slope; asc. 20 ft.
47.40	Spur, projects SE.; desc. 20 ft. over NE. slope.
61.00	Wash, 20 lks. wide, 4 ft. deep, course SE.; asc. 280 ft. over broken talus SE. slope.
70.46	Point selected for the witness cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. T35S R14E W C S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Asc. 400 ft. over vertical cliff and broken ledges.
73.00	Top of cliff, about 400 ft. high, bears SW. and NE.; asc. 120 ft. over broken SE. slope.
80.00	True point for the cor. of secs. 25, 26, 35 and 36, falls on an inaccessible top of mesa.

Chains	
	Land, broken and mountainous. Soil, shallow sand. No timber.
	Beginning at the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, mkd. with an iron post, 2 ins. diam., conformi to the record of the 1931 survey.
	S. 89° 58' W., bet. secs. 25 and 36.
	Over broken and mountainous land; desc. 60 ft. along NW. slope.
8.40	Wash, in bottom of Rainbow Canyon, 60 lks. wide, 15 ft. deep, course SW.; asc. 100 ft. along broken S. slope.
20.00	Spur, projects SE.; desc. 40 ft.
21.20	Wash, 50 lks. wide, 12 ft. deep, course SE.; asc. 260 ft. along broken S. slope.
38.90	Spur, projects SE.; desc. 20 ft.
39.98	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, with brass cap mkd.
	¼ S 25 / S 36 / 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Desc. 80 ft. over SW. slope.
43.20	Wash, 20 lks. wide, 4 ft. deep, course S. 10° E.; asc. about 480 ft. over broken E. slope and cliff.
58.00	Crest of cliff, about 150 ft. high, bears SW. and NE.; asc. about 80 ft. over irregular sandstone surface.
79.96	True point for the cor. of secs. 25, 26, 35 and 36.
	Land, broken and mountainous. Soil, shallow sand. No timber.
	From the true point for the standard cor. of secs. 33 and 34, on the S. bdy. of the township, from which its witness cor. bears East, 23 lks. dist., mkd. by an iron post, 2 ins. diam., describ in the field notes of the 1931 survey.
	N. 0° 03' W., bet. secs. 33 and 34.
	Over broken mountainous land.
	Asc. 490 ft. over steep broken SE. slope and cliff.
31.60	Top of cliff, S. crest of mesa, about 100 ft. high, bears SW. and NE.; continue over nearly level mesa top, slight SW. drainag
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) in sandstone surface and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. ¼ S 33 | S 34 1955
	Continue over broken mesa top with considerable exposed sandstone; desc. 60 ft.
50.20	Wash, 20 lks.wide, 1 ft. deep, course SW.; asc. 270 ft. over broken 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., 6 ins. in the ground to bedrock, with brass cap mkd. T35S R14E S28 | S27 S33 | S34 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post. Land, broken and mountainous. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 27 and 28. Over broken mesa top; asc. 40 ft.
1.20	Ledge, about 40 ft. high, bears SW. and NE.; desc. 130 ft. over slight N. slope.
17.50	N. crest of mesa, bears NE. and SW.; desc. 640 ft. over cliff, about 100 ft. high, and steep broken NW. talus slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. ¼ S 28 | S 27 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post. Continue over broken land; desc. 160 ft. over broken NW. slope.
48.00	Wash, 15 lks. wide; 5 ft. deep, course W.; asc. 120 ft. over steep SW. slope.
52.00	Spur, projects W.; desc. 360 ft. along broken NW. slope.
79.60	Wash, 30 lks. wide, 5 ft. deep, course W.; asc. 30 ft. over SE. slope.
80.00	Point for the cor. of secs. 21, 22, 27 and 28.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. T35S R14E S21 | S22 S28 | S27 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post. Land, broken and mountainous. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 21 and 22.
	Over broken and mountainous land; asc. 690 ft. over steep SE. talus slope and cliff.
27.00	Top of cliff, about 150 ft. high, bears SW. and E.; asc. 180 ft. over broken S. 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, with brass cap mkd. ¼ S 21 | S 22 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Continue over rolling mesa top; asc. 120 ft. over gentle S. slop
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd. T35S R14E S16 | S15 S21 | S22 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post. Land, broken and mountainous. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 15 and 16.
	Over broken mountainous land; asc. 60 ft. along SW. slope.
3.70	Spur; slopes SW.; desc. 100 ft. along NW. slope.
13.50	Base of descent; asc. 30 ft. along SW. slope.
16.60	Ridge, bears NW. and SE.; desc. 110 ft. along NE. slope.

320

Survey of a Portion of the Subdivision of T. 35 S., R. 14 E.

Chains	
27.70	N. crest of mesa, bears N. 80° W. and S. 80° E.; desc. 680 ft. over cliff, about 150 ft. high, and steep NE. talus slope.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 16 | S 15 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Over broken bench top; desc. 50 ft.
52.40	Mine access road, bears E. and W.; desc. 20 ft. over gentle N. slope.
57.10	Ledge, bears E. and W.; desc. 370 ft. over broken N. slope.
73.80	Wash, 25 lks. wide, 2 ft. deep, course SW.; asc. 50 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., 4 ins. in the ground to bedrock, with brass cap mkd.
	T35S R14E S9 | S10 S16 | S15 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, broken. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 9 and 10.
	Asc. 130 ft. over SW. slope.
12.00	Spur, slopes NW.; desc. 90 ft. along NW. slope.
26.80	Mine access road, bears NW. and SE.; desc. 20 ft.
40.00	Point for the ¼ sec. cor. of secs. 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 9 | S 10 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Continue over rolling and broken land; desc. 40 ft.

Chains	
42.20	Wash in bottom of Blue Notch Canyon, 40 lks. wide, 2 ft. deep, course NW.; thence over a series of small washes and ridges draining in a general southwesterly direction; asc. 40 ft.
80.00	Point for the cor. of secs. 3, 4, 9 and 10.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.
	T35S R14E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to to of post.
	Land, broken and rolling. Soil, shallow sand. No timber.
	N. 0° 17' W., bet. secs. 3 and 4.
	Over broken and mountainous land; desc. 10 ft. over gradual SE. slope.
4.50	Wash, course W.; asc. 70 ft.
25.00	Begin steep ascent, asc. 160 ft. over steep SE. talus slope.
39.40	Point selected for the witness 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, with brass cap mkd.
	¼ W | C S 4 | S 3 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
40.00	True point for the ¼ sec. cor. of secs. 3 and 4.
	Continue over broken land; asc. 840 ft. over steep SE. talus slope and cliff, about 150 ft. high.
57.00	Top of cliff, S. crest of mesa, bears SW. and NE.; asc. 200 ft. over broken SE. slope.
64.00	Ridge, bears SW. and NE.; desc. 150 ft. over steep NW. slope.
72.00	N. crest of mesa, bears SW. and NE.; desc. 600 ft. over cliff, about 150 ft. high and steep NW. talus slope.
80.11	The cor. of secs. 3, 4, 33 and 34.
	Land, broken and mountainous. Soil, shallow sand. No timber.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

Chains	
	S. 0° 01' E., bet. secs. 1 and 2.
	Over rolling land; desc. 40 ft.
9.30	Wash, 20 lks. wide, 1 ft. deep, course SE.; asc. 30 ft. abruptly and thence desc. 70 ft. over gently rolling land.
19.70	Wash, 60 lks. wide, 2 ft. deep, course SW.; asc. 20 ft. and thence continue over nearly level land.
40.04	Point for the ¼ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 2 | S 1 1955
	Raise a mound of stone, 4½ ft. base, around the iron post, to top of post.
	Continue over rolling land.
40.40	Mine access road, bears SW. and NE.; desc. 100 ft.
62.30	Wash, 50 lks. wide, 2 ft. deep, course SW.; asc. 30 ft. along gentle SW. slope.
80.04	Point for the cor. of secs. 1, 2, 11 and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 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., over an (X) on sandstone surface, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
	T35S R14E S2 | S1 S11 | S12 1955
	Land, rolling. Soil, shallow sand. No timber.
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp.
	S. 0° 02' E., bet. secs. 2 and 3.
	Over broken ground; asc. 10 ft. over NW. slope.
11.10	Base of steep ascent; asc. 290 ft. over steep NW. slope.
32.50	Top of vertical sandstone ledge, about 200 ft. high, bears NE. and SW.; desc. 360 ft. over cliff and steep SE. talus slope.
40.08	True point for the ¼ sec. cor. of secs. 2 and 3, falls on the face of a large sandstone boulder which is inaccessible.
40.22	Point selected for the witness ¼ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.

Chains	
	¼ W C S 3 | S 2 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Continue over broken land; desc. 200 ft. over broken SE. slope.
45.00	Wash, 40 lks. wide, 5 ft. deep, course SE.; asc. 30 ft. along broken E. slope.
54.00	Spur, projects SE.; desc. 240 ft. over broken SE. slope.
70.00	Wash, 50 lks. wide, 3 ft. deep, course SE.; asc. 10 ft.
74.00	Spur, projects SE.; desc. 40 ft. over S. slope.
78.00	Bladed road, bears NE. and SW.
80.08	Point for the cor. of secs. 2, 3, 10 and 11, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 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., 10 ins. in the ground to bedrock, with brass cap mkd.
	T35S R14E S3 | S2 S10 | S11 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, broken and mountainous. Soil, shallow sand. No timber.
	From the cor. of secs. 1, 2, 11 and 12.
	S. 89° 58' W., bet. secs. 2 and 11.
	Over broken land, general NW. drainage; desc. 50 ft.
38.10	Wash, 20 lks. wide, 3 ft. deep, course NW.; asc. 20 ft.
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, with brass cap mkd.
	¼ S 2 S 11 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of post.
	Continue over broken land; desc. 40 ft.
47.00	Wash, 45 lks. wide, 4 ft. deep, course SW.; asc. 70 ft. over broken land.
68.00	Wash, course SE.

Survey of a Portion of the Subdivision of T. 35 S., R. 14 E.

Chains	
80.00	The cor. of secs. 2, 3, 10 and 11. Land, broken. Soil, shallow sand. No timber.
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rolling mesa top, draining NW.; desc. 240 ft. along 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 to bedrock, with brass cap mkd. ¼ S 16 / S 21 / 1955 Raise a mound of stone, 2½ ft. base, around the iron post, to top of post. Continue over rolling mesa top; desc. 80 ft. along NW. slope.
70.10	Begin steep descent over broken exposed sandstone; desc. 180 ft. over NW. 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, with brass cap mkd. T35S R14E S17 | S16 S20 | S21 1955 Raise a mound of stone, 2½ ft. base, around the iron post, to top of post. Land, rolling. Soil, shallow sand. No timber.
	N. 0° 03' W., bet. secs. 16 and 17. Desc. 80 ft. over broken NW. slope.
11.90	N. crest of mesa, bears E. and W.; desc. 720 ft. over cliff, about 200 ft. high, and steep N. talus slope.
30.00	Wash, 80 lks. wide, 6 ft. deep, course NW.; asc. 80 ft. over steep SW. slope.
34.00	Spur, projects NW.; desc. 10 ft.
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 to bedrock, with brass cap mkd.

Chains	
	¼ S 17 | S 16 1955
	Raise a mound of stone, 4 ft. base; around the iron post, to top of post.
	Continue over broken NW. talus slope; desc. 130 ft.
48.30	Wash, 30 lks. wide, 3 ft. deep, course W.; asc. 130 ft. along broken SW. slope.
51.60	Spur, projects NW.; desc. 230 ft. over broken NW. slope.
72.23	Wash, 50 lks. wide, 2½ ft. deep, course W.; asc. 60 ft. over S. slope.
76.40	Mine access road, bears E. and W.; desc. 30 ft.
79.70	Wash, 10 lks. wide, 2 ft. deep, course W.; asc. 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., 6 ins. in the ground to bedrock, with brass cap mkd.
	T35S R14E S8 | S9 S17 | S16 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Land, broken. Soil, shallow sand. No timber.
	From the cor. of secs. 9, 10, 15 and 16.
	West, bet. secs. 9 and 16.
	Desc. 80 ft. over W. slope.
16.50	Wash, 20 lks. wide, 2 ft. deep, course NW.; asc. 320 ft. over broken NE. slope and ledge.
38.00	Ledge, E. crest of bench, about 40 ft. high, bears NW. and SE.; continue over nearly level bench top.
39.93	Point for the ¼ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 4½ ft. base, to top of post, with brass cap mkd.
	¼ S 9 S 16 1955
	Continue over nearly level bench top.
48.10	Mine access road, bears NW. and SE.; desc. 10 ft.

Chains	
56.00	W. crest of bench, bears N. and S.; desc. 390 ft. over steep broken W. slope.
69.50	Wash, 1 ch. wide, 3 ft. deep, course S.; asc. 50 ft. over E. slope.
72.40	Mine access road, bears N. and S., at 1 ch. S. road curves to W.; desc. 20 ft.
79.40	Wash, 10 lks. wide, 1 ft. deep, course SW.; asc. 20 ft.
79.86	The cor. of secs. 8, 9, 16 and 17.
	Land, broken. Soil, shallow sand. No timber.

From the standard cor. of secs. 32 and 33, on the S. bdy. of the Tp., marked by an iron post, 2 ins. diam., conforming to the record.

N. 0° 03' W., bet. secs. 32 and 33.

Over broken land, westerly drainage; asc. 30 ft.

4.20	Spur, slopes W.; desc. 30 ft.
7.20	Wash, 40 lks. wide, 5 ft. deep, course NW.; asc. 40 ft. over S. slope.
14.20	Spur, slopes NW.; desc. 90 ft. along NW. slope.
21.50	Wash, 1 ch. wide, 2 ft. deep, course NW.; asc. 10 ft. over SW. slope.
27.90	Spur, slopes NW.; desc. 30 ft. over NE. slope.
34.60	Wash, 1 ch. wide, 40 ft. deep, course W.; asc. 130 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.

¼

S 32 | S 33

1955

Raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Continue over broken hills; asc. 80 ft. over steep SW. slope.

40.40	Spur, slopes NW.; desc. 20 ft.
47.60	Wash, 40 lks. wide, 6 ft. deep, course NW.; asc. 10 ft. and thence desc. 180 ft. over broken NW. slope.
70.00	Wash, 1 ch. wide, 15 ft. deep, course SW.; asc. 80 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., 9 ins. in the ground to bedrock, with brass cap mkd.

Chains	
	T35S R14E S29 | S28 S32 | S33 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Land, broken and hilly. Soil, shallow sand. No timber.
	From the true point for the standard cor. of secs. 31 and 32, on the S. bdy. of the Tp., from which its witness cor. bears West, 2.36 chs. dist., an iron post, 2 ins. diam., described in the field notes of the 1931 survey.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken hills; desc. 20 ft.
1.10	Wash, in bottom of Red Canyon, 2 chs. wide, 4 ft. deep, course NW.; asc. 20 ft.
8.80	Mine access road, bears N. 10° W. and S. 20° E.; desc. 10 ft.
13.80	Same road, bears SW. and NE.; desc. 110 ft.
15.80	Same wash, course N. 70° E.; asc. 70 ft. over SE. slope and ledge
23.30	Spur, slopes E.; desc. 50 ft. along NE. slope.
31.60	Bladed dirt road, bears NW. and SE.; asc. 30 ft.
33.80	Ledge, about 20 ft. high, bears NW. and SE.; desc. 60 ft.
35.60	Wash, in bottom of Red Canyon, 2 chs. wide, 4 ft. deep, course NW.; asc. 30 ft. along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. ¼ S 31 | S 32 1955
	Raise a mound of stone around the iron post to top of post and raise a mound of stone, 3 ft. base, W. of the iron post.
	Continue over broken land; asc. 100 ft. over SW. slope.
44.50	Top of ledge, bears NW. and S. 70° E.; thence over broken land draining W.; desc. 70 ft.
62.50	Wash, 50 lks. wide, 6 ft. deep, course W.; asc. 70 ft.
69.80	Ridge, bears NE. and SW.; desc. 30 ft.
75.90	Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 20 ft.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.

328

Survey of a Portion of the Subdivision of T. 35 S., R. 14 E.

Chains	
	T35S R14E S30 | S29 S31 | S32 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of post. Land, broken. Soil, shallow sand. No timber.
	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 ledge, bears NE. and SW.
3.20	Bladed road on top of ledge; asc. 220 ft. along steep S. clay slope.
16.90	Spur, projects sharply S. 60° W.; desc. 280 ft. over steep W. slope.
34.50	Same bladed road, bears N. and S.; base of steep descent, continue over broken land; desc.10 ft.
39.80	Top of ledge, about 5 ft. high, bears NE. and SW.; desc. 10 ft. over ledge and NW. slope.
40.06	Point for the ¼ sec. cor. of secs. 29 and 32. Cement an iron post, 10 ins. long, 1 in. diam., 6 ins. in the sandstone, with brass cap mkd. ¼ S 29 S 32 1955 Raise a mound of stone, 3 ft. base, 2½ ft. high, N. of the iron post. Continue over broken land; desc. 20 ft.
41.70	Wash, 20 lks. wide, 2 ft. deep, course SW.; asc. 30 ft. over SE. slope and ledge.
42.90	Top of ledge, about 6 ft. high, bears SW. and NE.; E. crest of spur; desc. 10 ft. along NW. slope.
52.50	Same road, bears S. 70° W. and N. 60° E.; desc. 20 ft.
57.00	Same road, bears N. 80° W. and S. 70° E.
70.40	Top of ledge, about 15 ft. high, W. crest of spur, bears NE. and SW.; desc. 110 ft. over ledge and NW. slope.
78.00	Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 10 ft. along SE. slope.
80.12	The cor. of secs. 29, 30, 31 and 32. Land, broken. Soil, shallow sand. No timber.

Township 35 South, Range 14 East

General Description

Township 35 South, Range 14 East is rough and mountainous country, cut by deep canyons, draining in a southwesterly directi to the Colorado River. The Colorado River passes through the township in the northwest portion of section 6. The north portio of the township is drained by Blue Notch Canyon, the middle porti by Red Canyon, and the southern portion by Rainbow Canyon.

The soil consists of shallow sand and shale lying on sandstone

The only timber is found on the tops of the high mesas and consists of pinon and juniper.

Access to the township is provided by a bladed road which ente the township in the southeast portion of section 1. This bears i a general southwest direction through the north portion of the township and then turns back to the southeast, providing access t the middle and southern portions of the township.

The general elevation of the township ranges from 3600 to 5700 feet above sea level.

There is good drinking water at Warm Spring, which is located in the southern portion of section 30.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gerald W. Hansen	Chainman
Clyde Nielsen	Chainman
Max E. Swindle	Flagman
Paul D. Hansen	Cornerman
Peter K. Monson	Axeman

16—53566-2

331

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor tha
pursuance of special instructions bearing date of the 17th day of March,
I have surveyed the west boundary and a portion of the subdivision of T. 35 S., R
14 E.

of the Salt Lake Meridian, in the State of Utah, whic
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 fo
Survey of the Public Lands of the United States, and in the specific manner described in the foreg
field notes.

Salt Lake City, Utah
February 9, 1956

Cannon G. Parkinson
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1958, 19

The foregoing field notes of the survey of the west boundary and a portion of the subdivision of T. 35 S., R. 14 E., Salt Lake Meridian, Utah

executed by Cannon G. Parkinson
having been critically examined and found correct, are hereby approved.

Earl G. Harrity
Cadastral Engineering Staff Offic

~~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 Offic

4—270
(September 1968)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the East and North Boundaries

and

Portion of the Subdivisional Lines

of

Township 35 South, Range 15 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

George D. Voorhees, Cartographer Cadastral

and

Cannon G. Parkinson, Cartographic Survey Aid

Under special instructions dated March 17, *19*55, *which provided for the surveys included under Group No.* 400, *approved* April 4, 1955 *and assignment instructions dated* March 30, *1955*

Survey commenced April 8, *1955*

Survey completed May 6, *1955*

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

INDEX DIAGRAM

Township 35 South, *Range* 15 East

11 6	10 5	9 4	8 18 3	8 20 2 20	7 19 1 6
7	8	9 23	17 10	11	12 5
18	17	22 16 21	16 15 16	14	13 4
19	20	21	22	15 23	24 3
30 26	29 25	28	27	14 26 13	25 2 12
31	25 32	24 33	34	35	11 36 1

16—56770-1

Red line - lines surveyed by Cannon G. Parkinson

Blue line - lines surveyed by George D. Voorhees

East Boundary, North Boundary and Portion of the Subdivision of Township 35 South, Range 15 East

Chains

The Seventh Standard Parallel South, through Range 15 East, the south boundary and the west boundary were surveyed by R. C. Yundt in 1931.

The following field notes are those of the survey of the east boundary and the north boundary and a portion of the subdivision of T. 35 S., R. 15 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a W. & L. E. Gurley solar transit No. 481346 and a Buff & Buff solar transit No. 23815, constructed in accordance with standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. They were tested and checked frequently during the progress of the survey.

The direction of all lines being reported is determined by deflections from meridians established by observations upon Polaris and the sun throughout the survey.

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

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

The geographic value for the southeast corner of the township is, latitude 37° 41' 03.9" N., and longitude 110° 12' 40.4" W., as determined by traverse from U. S. G. S. Triangulation Station "Mine", situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Survey of the East Boundary, T. 35 S., R. 15 E.

Beginning at the standard corner of Ts. 35 S., Rs. 15 and 16 E., marked by an iron post, 3 ins. diam., conforming to the record.

North, bet. secs. 31 and 36.

Over rolling land, through scattered timber.

4.10 Wash, drains SW. 2 chs., thence W.; asc. 50 ft. along gradual SW. slope.

Survey of the East Boundary, T. 35 S., R. 15 E.

Chains	
18.90	Spur, projects W.; desc. 50 ft.
29.50	Wash, drains SW.; asc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, with brass cap mkd.
	S 36 | ¼ | S 31 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of iron post.
	Asc. 140 ft. over talus and ledges on steep S. slope.
46.00	Point of bench, projects SW.; desc. 150 ft. along NW. slope.
62.80	Wash, drains SW.; asc. 100 ft.
67.80	Point of bench, projects W.; desc. 90 ft.
71.20	Base of ascent, bears NW. and SE.; asc. 100 ft. along steep SW. slope.
77.50	Point of bench, projects N. 80° W., about 6 chs. to end; desc. 40 ft. over cliff.
80.00	Point for the cor. of secs. 25, 30, 31 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground to bedrock, with brass cap mkd.
	T35S R15E | R16E S25 | S30 S36 | S31 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcroppings. Timber, scattered pinon and juniper.
	North, bet. secs. 25 and 30.
	Desc. 110 ft. over talus on steep N. slope.
9.00	Wash, drains S. 80° W.; asc. 140 ft.
18.20	Point of bench, projects W.; desc. 150 ft. over ledges and talus on steep N. slope.
30.00	Enter nearly level land, through scattered timber.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30.
	Cement an iron post, 1 ft. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd.

Survey of the East Boundary, T. 35 S., R. 15 E.

Chains	
	$\frac{1}{4}$ S 25 | S 30 1955
	Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of corner.
	Continue over nearly level land; desc. 60 ft.
49.80	S. rim of Gravel Canyon, bears E. and W.; desc. 100 ft. abruptly over ledges.
51.70	Wash in bottom of Gravel Canyon, course W.; asc. 100 ft. over nearly vertical wall and ledges.
54.80	N. rim of Gravel Canyon, bears E. and W.; asc. 80 ft.
75.10	Top of ascent, bears NE. and SW.; desc. 10 ft.
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.
	T35S R15E R16E S24 | S19 S25 | S30 1955
	Raise a mound of stone, 3½ ft. base, 2½ ft. high, W. of corner.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	North, bet. secs. 19 and 24.
	Over rolling land, through scattered timber; desc. 10 ft.
3.70	Wash, course S. 70° W. from NE.; asc. 60 ft.
13.20	Trail road, bears E. and W.
18.40	Base of ascent, bears N. 80° W. and S. 80° E.; asc. 570 ft. over ledges along steep SW. slope.
32.30	Bladed road, bears NW. and SE.
40.00	Point for the ¼ sec. cor. of secs. 19 and 24.
	Cement an iron post, 1 ft. long, 1 in. diam., 6 ins. in solid sandstone, with brass cap mkd.
	$\frac{1}{4}$ S 24 | S 19 1955
	Raise a mound of stone, 3½ ft. base, 2 ft. high, W. of corner.
	Asc. 100 ft. over ledges along steep SW. slope.
44.10	S. crest of mesa, bears NW. and SE.; asc. 50 ft. over broken top of mesa.

Chains	
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 to bedrock, with brass cap mkd. T35S R15E R16E S13 | S18 S24 | S19 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of post. Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	North, bet. secs. 13 and 18. Continue over broken top of mesa, through scattered timber; desc. 10 ft.
6.60	Wash, 10 lks. wide, 1 ft. deep, course SW.; desc. 10 ft.
12.10	Wash, 10 lks. wide, 2 ft. deep, course W.; asc. 10 ft.
18.60	N. crest of mesa, bears E. and W.; desc. 400 ft. over ledges.
36.30	Wash, course NW.; asc. 100 ft. along broken SW. slope.
39.30	Top of ascent, bears NW. and SE.; desc. 20 ft.
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 to bedrock, with brass cap mkd. S 13 | ¼ S 18 1955 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post. Asc. 30 ft. over ledges on steep SW. slope.
43.20	Point of bench, projects W.; desc. 160 ft.
54.70	Wash, drains NW.; asc. 80 ft. over ledges on steep W. slope.
63.40	Top of ascent, bears E. and W.; desc. 60 ft.
67.80	Wash, course W.; asc. 40 ft.
72.40	Point of bench, projects W.; desc. 70 ft.
75.40	N. crest of bench, bears NE. and SW.; desc. 220 ft. over cliff and ledges on steep NW. slope.
80.00	Point for the cor. of secs. 7, 12, 13 and 18.

338

Survey of the East Boundary, T. 35 S., R. 15 E.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd. T35S R15E R16E S12 | S7 S13 | S18 1955 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post. Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	North, bet. secs. 7 and 12. Desc. 80 ft. over N. slope, through scattered timber.
7.50	Wash, 8 lks. wide, 1 ft. deep, course N. 10° W.; desc. 90 ft.
12.70	Wash, 50 lks. wide, 1 ft. deep, course NW.; asc. 30 ft.
22.00	Sandstone spur, projects NW.; desc. 40 ft. over ledges.
26.90	Wash, 6 lks. wide, 2 ft. deep, course N. 80° W.; asc. 40 ft.
29.60	S. rim of Long Canyon, bears NE. and SW.; desc. abruptly 120 ft. over ledges and vertical wall.
36.50	Wash in bottom of Long Canyon, 60 lks. wide, 3 ft. deep, course SW.; asc. 60 ft. over vertical wall.
40.00	Point for the ¼ sec. cor. of secs. 7 and 12. Cement an iron post, 1 ft. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd. ¼ S 12 | S 7 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post. Asc. 50 ft. over overhanging wall to sandstone ledge.
40.80	Sandstone ledge, bears W. from N.; desc. 90 ft. over ledges on W. wall of Long Canyon.
47.70	Wash in bottom of Long Canyon, 60 lks. wide, 3 ft. deep, course S. 10° E. from N. 20° E.; asc. 120 ft. over N. wall.
54.60	N. rim of Long Canyon, bears SE. and SW.; asc. 70 ft. over rolling land.
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.

Chains	
	T35S R15E | R16E S1 | S6 S12 | S7 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post. Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	North, bet. secs. 1 and 6. Over rolling land, through scattered timber; asc. 50 ft.
29.20	Base of ascent, bears N. 20° W. and S. 70° E.; asc. 90 ft. over broken SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd. $\frac{1}{4}$ S 1 | S 6 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Desc. 30 ft. over broken W. slope.
52.90	Wash, course SW.; asc. 190 ft. over talus and ledges on steep S. slope.
64.50	S. crest of bench, bears E. and SW.; asc. 60 ft. over broken top of bench.
69.10	Top of ascent, bears NE. and SW.; desc. 10 ft.
71.40	W. crest of bench, bears N. 30° E. and S. 30° W.; desc. 80 ft. over ledges and vertical cliff.
73.50	Base of ascent, bears N. 30° W. and S. 30° E.; asc. 120 ft. over vertical cliff.
79.80	W. crest of bench, bears N. 30° W. and S. 30° E.
80.00	Point for the cor. of Ts. 34 and 35 S., Rs. 15 and 16 E. Cement an iron post, 1 ft. long, 1 in. diam., 5 ins. in solid sandstone, with brass cap mkd. T34S R15E | R16E S36 | S31 S1 | S6 T35S 1955 Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post. Land, broken and rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

34.1

Survey of the North Boundary, T. 35 S., R. 15 E.

Chains	
	Beginning at the cor. of Ts. 34 and 35 S., Rs. 15 and 16 E.
	S. 89° 56' W., bet. secs. 1 and 36.
	Over broken land, through scattered timber.
.30	W. crest of bench, bears N. 30° W. and S. 30° E.; desc. 120 ft. over vertical cliff and talus on steep SW. slope.
3.20	Wash, course S.; asc. 180 ft. over talus and ledges on steep E. slope.
7.10	E. crest of bench, bears N. 10° E. and S. 10° W.; asc. 20 ft.
8.50	Top of ascent, bears N. and S.; desc. 20 ft.
13.20	Wash, course S. 20° E.; asc. 70 ft.
21.30	Top of ascent, bears N. and S. 20° W.; desc. 110 ft.
26.00	Wash, course S. 30° W.; asc. 80 ft.
40.00	Point for the ¼ sec. cor. of secs. 1 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 9 ins. in the ground to bedrock, with brass cap mkd. ¼ S 36 / S 1 1955
	Over rolling top of bench, through scattered timber.
43.20	Wash, 10 lks. wide, 1 ft. deep, course S. 10° E.; asc. 20 ft.
46.00	Top of ascent, bears N. and S.; desc. 20 ft.
47.50	Wash, 50 lks. wide, 1 ft. deep, course S. 20° W.; asc. 20 ft.
51.50	Top of ascent, bears NE. and SW.; desc. 110 ft. along NW. slope.
55.50	Bladed road, bears N. and S.
70.30	W. crest of bench, bears NE. and SW.; desc. 240 ft. over ledges and talus on steep NW. slope.
79.70	Wash, course SW.
80.00	Point for the cor. of secs. 1, 2, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground to bedrock, with brass cap mkd. T34S R15E S35 | S36 S2 | S1 T35S 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

Chains	
	S. 89° 56' W., bet. secs. 2 and 35.
	Over rolling land, through scattered timber; desc. 20 ft.
4.50	Wash, course S. 30° W.; asc. 20 ft.
14.60	Base of ascent, bears NE. and SW.; asc. 220 ft. over talus and ledges on steep SE. slope.
20.40	E. crest of bench, bears N. 20° E. and SW.; desc. 50 ft.
25.50	Wash, course S. 20° E. from N.; asc. 90 ft.
25.90	Bladed road, bears N. and S.
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 to bedrock, with brass cap mkd.
	¼ S 35 S 2 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Over rolling and broken top of bench; asc. 10 ft.
40.80	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 60 ft.
44.10	Wash, drains S.; asc. 20 ft.
46.20	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 120 ft. over rolling and broken land.
69.20	Base of descent, bears N. and S.; asc. 30 ft.
75.80	Point of bench, bears N. 75° W., about 3 chs. dist., projecting from S. 75° E.; desc. 50 ft. over ledges.
80.00	Point for the cor. of secs. 2, 3, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	T34S R15E S34 | S35 S3 | S2 T35S 1955
	Raise a mound of stone, 6 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

	S. 89° 56' W., bet. secs. 3 and 34.
0.60	W. crest of bench, bears N. 80° W. and S. 60° E.; desc. 280 ft. over cliff and talus on steep SW. slope.
11.50	Enter rolling land; desc. 100 ft. to ¼ sec. cor.

Chains	
14.80	Trail road, bears N. and S.
32.00	Wash, course NW.
40.00	Point for the ¼ sec. cor. of secs. 3 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 34 / S 3 / 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Continue over rolling land, through scattered timber on gradual NW. slope; desc. 100 ft.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T34S R15E / S33 | S34 / S4 | S3 / T35S / 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 56' W., bet. secs. 4 and 33.
	Over rolling land, through scattered timber; desc. 30 ft.
10.20	E. rim of Fortknocker Canyon, bears NE. and SW.; desc. 260 ft. over ledges and canyon wall.
25.90	Wash in bottom of Fortknocker Canyon, course SW.; asc. 250 ft. over vertical wall and ledges.
33.80	W. rim of Fortknocker Canyon, bears NE. and SW.; asc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 33 / S 4 / 1955
	Raise a mound of stone, 5 ft. base, around the iron post, to top of post.
	Over broken land; desc. 60 ft.
52.70	Wash, course SW.; desc. 30 ft.
68.30	E. rim of White Canyon, bears N. and S.; desc. 260 ft. over canyon wall.

Chains	
74.80	Wash in bottom of White Canyon, course N. 10° W. from S. 20° E.; asc. 160 ft. over canyon wall and ledges.
80.00	Point for the cor. of secs. 4, 5, 32 and 33 is inaccessible, as it falls on steep sandstone face.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 56' W., bet. secs. 5 and 32.
	Over broken land; asc. 60 ft.
2.20	W. rim of White Canyon, bears NE. and SE.
2.78	Point selected for the witness cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., on an (X) on solid sandstone, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd. T34S R15E S32 | S33 S5 | S4 → WC T35S 1955
	Asc. 40 ft. over nearly level land on gradual E. slope.
11.30	Wash, course NE.; asc. 20 ft.
12.30	Road, gravel, improved, Utah State Highway No. 95, bears N. 30° W. and S. 30° E.
21.30	Wash, 10 lks. wide, 2 ft. deep, course S. 75° E.; asc. 100 ft. over E. slope.
33.60	Base of steep ascent, bears N. and S.; asc. 160 ft.
38.50	E. rim of bench, bears N. 70° W. and SE.
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 to bedrock, with brass cap mkd. ¼ S 32 S 5 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Over broken top of bench; asc. 40 ft.
47.20	Top of ascent, bears NW. and SE.; desc. 120 ft.
58.50	Wash, drains S. from NW.; asc. 60 ft.
59.80	Top of ascent, bears NE. and SW.; desc. 20 ft.
61.80	Enter same wash, course NE. from W.; asc. 40 ft.

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

Survey of the North Boundary, T. 35 S., R. 15 E.

Chains	
67.90	Leave wash, drains E. from SW.; asc. 100 ft.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.
	T34S R15E S31 | S32 S6 | S5 T35S 1955
	Land, east-half, rolling; west-half, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	S. 89° 56' W., bet. secs. 6 and 31.
	Over broken top of bench; asc. 840 ft. over talus on steep E. slope and cliff.
21.20	E. rim of mesa, bears NE. and SW.; asc. 50 ft.
26.00	Top of ascent, bears NE. and SW.; desc. 50 ft. over nearly level top of mesa.
39.10	W. rim of mesa, bears N. and S.; desc. 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 6 and 31, inaccessible, falls on face of sandstone cliff.
43.69	Point selected for the witness ¼ sec. cor. of secs. 6 and 31.
	Set an iron post, 30 ins. long, 2½ ins. diam., on solid sandstone, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.
	¼ S 31 → WC S 6 1955
	Desc. 840 ft. over ledges and talus on steep W. slope of mesa.
56.50	Wash, course SW. from N. 70° E.; desc. 320 ft.
69.00	Unimproved road, bears N. and S.
74.70	Wash, 30 lks. wide, 3 ft. deep, course S. 30° W.; asc. 20 ft.
79.38	The cor. of Ts. 34 and 35 S., Rs. 14 and 15 E.
	Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

From the standard cor. of secs. 35 and 36, on the S. bdy. of the township, mkd. by a 2 inch iron post, firmly set, mkd. and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36.

Chains	
	Over broken top of bench, through scattered timber; desc. 10 ft.
5.60	Wash, 10 lks. wide, 4 ft. deep, course NE.; asc. 20 ft.
10.10	Top of ascent, bears NE. and SW.; desc. 50 ft. along NW. slope.
30.80	N. rim of bench, bears NE. and SW.; desc. 260 ft. over cliff abou 60 ft. high and talus along steep 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., 6 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 35 | S 36 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Desc. 30 ft. over NW. slope.
43.60	Wash, 20 lks. wide, 2 ft. deep, course NE.; thence over level lan
52.00	Road, gravel, improved, Utah State Highway No. 95, bears N. 30° W and SE.; wash, draining E., passes beneath road. Continue over level land.
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.
	T35S R15E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron po
	Land, south-half, broken; north-half, rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the T
	S. 89° 55' W., bet. secs. 25 and 36.
	Asc. 40 ft. over cliff.
3.00	Point of bench, projecting from S. 80° E.; desc. 160 ft. over cliff and talus on steep W. slope.
15.60	Enter nearly level land, through scattered timber on gradual W. slope; desc. 80 ft.
39.97	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, with brass cap mkd.
	¼ S 25 S 36 1955

Chains	
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Leave level land; enter rolling and broken land; desc. 80 ft. over W. slope.
61.70	Wash, 60 lks. wide, 5 ft. deep, course NW.; asc. 20 ft.
66.90	E. rim of White Canyon, bears NE. on curve from S.; desc. 80 ft.
74.50	Wash in bottom of White Canyon, 1.50 chs. wide, 4 ft. deep, course NE.; asc. 90 ft. over ledges.
76.70	W. rim of White Canyon, bears NE. on curve from S.; thence over level land.
79.94	The cor. of secs. 25, 26, 35 and 36.
	Land, east-half, nearly level; west-half, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 25, 26, 35 and 36.
	West, bet. secs. 26 and 35.
	Asc. 120 ft. over E. slope.
7.30	Road, gravel, improved, Utah State Highway No. 95, bears NW. and SE.
16.90	Spur on point of bench, bears N. about 4 chs. to end; desc. 80 ft. over steep W. slope.
24.60	Wash, 15 lks. wide, 2 ft. deep, course N.; asc. 20 ft.
30.20	Spur on point of bench, projects from S.; desc. 40 ft. along NW. slope.
37.50	Wash, 50 lks. wide, 2 ft. deep, course N. about 4 chs., then NE.; desc. 10 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd. $\frac{1}{4}$ S 26 / S 35 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
41.10	Bladed road, bears NE. and SW.
42.00	Wash, 66 lks. wide, 4 ft. deep, course NE.; asc. 200 ft. over cliff.
51.00	E. rim of bench, bears NE. and SW.; asc. 60 ft. over broken top of bench.
61.00	Top of ascent, bears NW. and SE.; desc. 40 ft. over SW. slope.
69.10	Wash, 15 lks. wide, 2 ft. deep, course SE.; asc. 90 ft. over E. slope.

Chains	
80.00	Point for the cor. of secs. 26, 27, 34 and 35.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. T35S R15E S27 | S26 S34 | S35 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 01' W., bet. secs. 26 and 27.
	Over broken land, through scattered timber.
2.10	Wash, 55 lks. wide, 10 ft. deep, course E.; asc. 10 ft.
8.50	Top of ascent, bears E. and W.; desc. 40 ft.
9.30	Wash, course NE.; asc. 40 ft.
17.30	Top of ascent, bears E. and W.; desc. 160 ft. over ledges on broken N. slope.
22.50	Wash, course E.; asc. 160 ft. over broken ledges on steep S. slope.
31.50	Top of ascent, bears E. and W.; desc. 40 ft. over broken surface on N. slope.
40.00	Point for the ¼ sec. cor. of secs. 26 and 27.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd. S 27 | ¼ | S 26 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Desc. 40 ft. over broken N. slope.
48.70	Wash, 15 lks. wide, 1½ ft. deep, course E.; asc. 50 ft. over ledges on steep S. slope.
61.20	Top of ascent, bears E. and W.; desc. 40 ft.
64.10	Wash, course E.; asc. 40 ft.
75.50	Top of ascent, bears E. and W.; desc. 80 ft.
79.90	Wash, 40 lks. wide, 2 ft. deep, course E.
80.00	Point for the cor. of secs. 22, 23, 26 and 27.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.

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

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

Chains	
	T35S R15E S22 | S23 S27 | S26 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 01' W., bet. secs. 22 and 23.
	Over broken top of bench, through scattered timber; asc. 70 ft.
6.90	Top of ascent, bears E. and W.; desc. 300 ft. over cliff and talus on steep N. slope.
16.90	Wash, 45 lks. wide, 4 ft. deep, course E.; asc. 120 ft. along steep SE. slope.
22.10	Spur on point of bench, projects from W.; desc. 230 ft. over broken NE. slope.
33.40	Wash, 15 lks. wide, 2½ ft. deep, course SE.; asc. 50 ft. over cliff.
38.00	Point of bench, projects S. 75° E.; desc. 30 ft. over ledges.
40.00	Point for the ¼ sec. cor. of secs. 22 and 23.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. ¼ S 22 | S 23 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Desc. 130 ft. over ledges and talus along steep NE. slope.
47.40	Road, gravel, improved, Utah State Highway No. 95, bears NW. and SE.; desc. 10 ft.
53.50	Wash, course NE.; asc. 10 ft. over nearly level land.
59.50	Wash, course E.; asc. 20 ft.
74.90	Top of ascent, bears E. and W.; desc. 10 ft.
80.00	Point for the cor. of secs. 14, 15, 22 and 23.
	Set an iron post, 30 ins. long, 2½ ins.diam., 12 ins. in the ground, with brass cap mkd. T35S R15E S15 | S14 S22 | S23 1955
	Raise a mound of stone, 2 ft. base, around the iron post, to top of post.

Chains	
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	West, bet. secs. 15 and 22.
	Over nearly level land on gradual E. slope.
4.70	Road, gravel, improved, Utah State Highway No. 95, bears N. and S
10.00	Base of ascent, bears N. and S.; asc. 280 ft. over talus and ledges on steep E. slope.
15.10	E. rim of bench, bears N. and S.; asc. 30 ft. over rolling top.
16.80	Top of ascent on point of bench, bears NE. and SW.; desc. 30 ft.
21.50	W. rim of bench, bears N. and SW.; desc. 210 ft. over ledges and talus on steep NW. slope.
34.80	Wash, 33 lks. wide, 5 ft. deep, course NE. about 1 chain, then N. asc. 220 ft. over ledges on steep E. slope.
37.80	E. rim of bench, bears N. and S.; asc. 10 ft. over rolling top.
40.00	Point for the ¼ sec. cor. of secs. 15 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. ¼ S 15 / S 22 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Asc. 10 ft. over broken top of bench.
47.00	Top of ascent, bears N. and S.; desc. 30 ft. over W. slope.
65.30	Wash, 20 lks. wide, 3 ft. deep, course N. 60° W.; desc. 60 ft.
74.90	Wash, course N.; asc. 40 ft.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd. T35S R15E S16 | S15 S21 | S22 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 15 and 16.

Chains	
	Over broken top of bench through scattered timber; desc. 50 ft. along steep NE. slope.
5.50	Wash, 30 lks. wide, 2 ft. deep, course NW.; asc. 40 ft. over ledges.
11.10	Top of ascent, bears NW. and SE.; desc. 260 ft. over ledges along steep NW. slope.
24.60	Wash, 15 lks. wide, 2 ft. deep, course NE.; asc. 10 ft.
29.60	Top of ascent, bears E. and W.; desc. 20 ft. over gradual E. slope.
37.60	Road, gravel, improved, Utah State Highway No. 95, bears NW. and SE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, with brass cap mkd.
	$\frac{1}{4}$ S 16 | S 15 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, around the iron post.
	Desc. 30 ft. over nearly level land on gradual N. slope.
52.20	Wash, 45 lks. wide, 6 ft. deep, course N. 70° W.; asc. 10 ft.
58.30	S. rim of White Canyon, bears NE. and SW.; desc. 140 ft. over wall.
63.50	Wash in bottom of White Canyon, course SW.; asc. 120 ft. over wall.
66.40	N. rim of White Canyon, bears NE. and SW.; asc. 90 ft. over broken sandstone ledges on S. slope.
78.80	Trail road, bears S. 80° E. and N. 70° W.
80.00	Point for the cor. of secs. 9, 10, 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground, with brass cap mkd.
	T35S R15E S9 | S10 S16 | S15 1955
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of the iron post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Asc. 60 ft. over broken S. slope.
7.20	Base of ascent, bears E. and W.; asc. 240 ft. over talus and cliff on steep S. slope.

Chains	
13.80	S. rim of bench, bears E. and W.; asc. 80 ft. over broken top of bench.
23.50	Top of ascent on point of bench, bears E. and W.; desc. 80 ft. over broken top of bench on N. slope.
35.50	S. rim of bench, bears NE. and W.; desc. 310 ft. over cliff and talus on steep 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., 6 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 9 | S 10 1955
	Raise a mound of stone, 3 ft. base, around the iron post to top of post.
	Desc. 20 ft. over NW. slope.
44.10	Wash, 40 lks. wide, 4 ft. deep, course W.; asc. 70 ft. along SW. slope.
60.20	Crown of W. slope from point of bench about 3 chs. to E.; desc. 50 ft. along 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., 8 ins. in the ground to bedrock, with brass cap mkd.
	T35S R15E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 06' W., bet. secs. 3 and 4.
	Over slight W. slope, through scattered timber; asc. 10 ft.
2.20	Trail road, bears NE. and SW.
4.30	Low spur, slopes W.; desc. 110 ft. along NW. slope.
19.20	Wash, 30 lks. wide, 50 ft. deep, course S. 70° W.; asc. 140 ft. over ledges on 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., on an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Chains	
	$\frac{1}{4}$ S 4 | S 3 1955
43.00	Top of ascent, bears E. and W.; desc. 80 ft. over W. slope.
64.50	Wash, 20 lks. wide, 4 ft. deep, course N. 70° W.; asc. 60 ft. over rolling land.
79.74	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and 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.
	Over rolling land, through scattered timber.
1.20	Wash, course S. 70° W.; asc. 250 ft. over talus and ledges on steep W. slope.
21.40	W. rim of bench, bears N. 20° E. and SW.; desc. 50 ft. over broken top of bench.
37.50	Wash, course S. 30° W.; asc. 10 ft.
39.91	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd.
	$\frac{1}{4}$ S 2 | S 1 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Over rolling and broken top of bench; asc. 30 ft.
57.80	Top of ascent, bears E. and W.; desc. 60 ft.
64.10	Wash, course SW.; asc. 40 ft.
69.30	Bladed road on top of ascent, bears NE. and SW.; desc. 20 ft. along SE. slope.
79.91	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, with brass cap mkd.
	T35S R15E S2 | S1 S11 | S12 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

Chains	
	From the cor. of secs. 2, 3, 34 and 35, on the N. bdy. of the Tp
	S. 0° 02' E., bet. secs. 2 and 3.
	Over broken land, through scattered timber.
1.00	W. rim of bench, on point of bench, bears N. 80° W. and S. 60° E desc. 220 ft. over cliff and talus on steep SW. slope.
5.50	Wash, course W.; asc. 30 ft. over steep W. slope.
14.00	Top of ascent, projects from E.; desc. 100 ft.
19.40	Wash, course W.; asc. 240 ft. over talus and cliff on steep N. slope.
24.10	W. rim of bench, bears N. 80° E. and W.; asc. 30 ft. over broken top of bench.
27.00	Top of ascent on point of bench, bears E. and W.; desc. 80 ft. over ledges.
36.10	Wash, course W.; asc. 40 ft. on steep W. slope.
39.83	Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	$\frac{1}{4}$ S 3 | S.2 1955
	Raise a mound of stone, 5 ft. base, around the iron post, to top of post.
	Asc. 70 ft. over ledges on NW. slope.
52.50	Bladed road on ridge of bench, bears NE. and SW.; desc. 90 ft. over SE. slope.
71.20	S. rim of bench, bears NE. and S. 5° W.; desc. 210 ft. over vertical cliff and talus on steep E. slope.
79.83	Point for the cor. of secs. 2, 3, 10 and 11.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, with brass cap mkd.
	T35S R15E S3 | S2 S10 | S11 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 1, 2, 11 and 12.
	N. 89° 53' W., bet. secs. 2 and 11.

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

Chains	
	Over rolling top of bench, through scattered timber; asc. 40 ft.
9.20	Bladed road on ridge of bench, bears NE. and SW.; desc. 20 ft.
20.80	W. rim of bench, bears N. 20° E. and S. 20° W.; desc. 280 ft. over ledges and talus on steep NW. slope.
40.08	Point for the ¼ sec. cor. of secs. 2 and 11.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 2 / S 11 / 1955
	Raise a mound of stone, 3 ft. base, 3 ft. high, N. of the iron post.
	Desc. 30 ft. over slight N. slope.
48.60	Wash, in bottom of Short Canyon, 15 lks. wide, 2 ft. deep, course SW.; asc. 80 ft. along slight SE. slope.
48.80	Bladed road, bears SW. and NE.
65.40	Bladed road, bears N. and S.
77.00	Base of ascent, bears N. 20° E. and S. 10° W.; asc. 60 ft. over steep SE. slope.
80.16	The cor. of secs. 2, 3, 10 and 11.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21.
	Over broken top of bench, through scattered timber; desc. 60 ft.
4.50	Wash, course NW.; asc. 20 ft.
7.20	N. rim of bench, bears NE. and SW.; desc. 100 ft. over ledges on steep NW. slope.
11.50	Wash, course NW.; asc. 100 ft. over ledges on steep E. slope.
15.80	Point of bench, bears N. 20° W. and S. 30° W.; desc. 180 ft. over ledges and talus on steep NW. slope.
22.20	Wash, course N. 10° E.; asc. 220 ft. over ledges.
32.80	Point of bench, bears NE. and S.; desc. 100 ft. over broken W. slope.
38.00	Wash, 20 lks. wide, 12 ft. deep, course N.; asc. 100 ft. over steep 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., 12 ins. in the ground to bedrock, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

Chains	
	¼ S 16 / S 21 / 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Asc. 40 ft. over ledges on steep E. slope.
41.60	Top of ascent, bears NE. and SW.; desc. 40 ft.
44.60	Wash, 20 lks. wide, 8 ft. deep, course NE.; asc. 90 ft. over SE. slope.
51.20	Top of ascent, bears NE. and S.; desc. 130 ft.
55.90	Wash, course N.; asc. 140 ft. over broken E. slope.
60.20	Top of ascent, bears N. and S.; desc. 20 ft. over gradual W. slope.
66.80	Bladed road, bears NW. and SE.
68.60	Wash, course N.; asc. 10 ft.
74.40	Wash, 50 lks. wide, 20 ft. deep, course N.; asc. 20 ft.
78.50	Wash, course N.; asc. 10 ft.
79.70	Bladed road, bears N. and SE.
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.
	T35S R15E S17 | S16 S20 | S21 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 03' W., bet. secs. 16 and 17.
	Over broken top of bench, through scattered timber; desc. 270 ft. over N. slope.
25.20	Bladed road, bears NW. and SE.
28.80	Wash, 1 ch. wide, 40 ft. deep, course NW.; asc. 100 ft. over broken SW. slope.
37.30	Top of ascent, bears NW. and SE.; desc. 20 ft.
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, with brass cap mkd.

355

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

Chains	
	$\frac{1}{4}$ S 17 | S 16 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Desc. 240 ft. over ledges along steep NE. slope.
56.70	Wash, 1 ch. wide, 15 ft. deep, course NE.; asc. 10 ft.
64.80	Bladed road, bears NE. and SE.
66.90	Wash, 25 lks. wide, 3 ft. deep, course NE.; asc. 20 ft. over broken E. slope from point of bench about $2\frac{1}{2}$ chs. W.
72.00	Top of ascent, bears E. and W.; desc. 20 ft.
78.20	Wash, 55 lks. wide, 12 ft. deep, course E.; asc. 10 ft.
80.00	Point for the cor. of secs. 8, 9, 16 and 17.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to bedrock, with brass cap mkd. T35S R15E S8 | S9 S17 | S16 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 9, 10, 15 and 16.
	N. 89° 52' W., bet. secs. 9 and 16.
	Over nearly level land, through scattered timber; desc. 60 ft. along slight SW. slope.
3.00	Trail road, bears N. 70° W. and S. 70° E.
11.90	N. rim of White Canyon, bears W. and SE.; desc. 160 ft. over ledges.
30.50	Enter wash in bottom of White Canyon, 1.50 chs. wide, 4 ft. deep, course S. 70° W., on curve from S.
38.40	Right bank of wash, 6 ft. high, bears N. 70° E. and W.; thence over level land.
39.97	Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins.diam., 22 ins. in the ground, and in a flat mound of stone, 4 ft. base, with brass cap mkd. $\frac{1}{4}$ S 9 S 16 1955
	from which

Chains	
	A (XBO) on face of ledge, bears S. 31° 08' E., 2.46 chs. dist.
	A (XBO) on face of ledge, bears S. 41° 20' W., 3.79 chs. dist.
	Over level land.
41.90	Right bank of wash, 6 ft. high, bears N. 70° W. and E.
43.60	Wash in bottom of White Canyon, 1.50 chs. wide, 4 ft. deep, course N. 85° W. from E.; asc. 40 ft. over ledges.
51.60	S. rim of White Canyon, bears N. 85° W. and S. 85° E.; asc. 10 f
62.30	Wash, course NE.; asc. 10 ft.
64.00	Road, gravel, improved, Utah State Highway No. 95, bears N. and S. on curve to SE.; from which Ducket Crossing is about 2 chs. dist. N.
66.50	Wash, 30 lks. wide, 3 ft. deep, course N. 80° E.; asc. 70 ft. along gradual SE. slope.
79.94	The cor. of secs. 8, 9, 16 and 17. Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.

From the standard corner of secs. 32 and 33, on the S. bdy. of the township, marked by an iron post, firmly set, mkd. and witnessed as recorded in the official record.

N. 0° 03' W., bet. secs. 32 and 33.

Over a series of ridges and washes draining westerly; desc. 30 ft

24.75	Wash, course NW. on curve from NE.
38.50	Wash, course W.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., on solid sandstone and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\frac{1}{4}$ S 32 | S 33 1955
	Ascend 180 ft. over broken land on gradual S. slope.
79.50	Point selected for the witness cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. T35S R15E W C S29 ↑ S28 S32 | S33 1955

358

Survey of a Portion of the Subdivision of T. 35 S., R. 15 E.

Chains	
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
80.00	True point for the cor. of secs. 28, 29, 32 and 33 is inaccessible as it falls on a huge sandstone boulder.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, none.
	From the true point for the standard corner of secs. 31 and 32, on the S. bdy. of the township, from which its witness corner bears East, 49 lks. dist., firmly set, mkd. and witnessed as recorded in the official record.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over broken slope and vertical cliff along steep SE. slope; asc. 400 ft.
15.40	S. rim of mesa, bears NE. and SW.; desc. 290 ft. along 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., on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. ¼ S 31 | S 32 1955
	Over nearly level top of mesa, through scattered timber.
51.60	Wash, 20 lks. wide, 1 ft. deep, course S. 70° W.; asc. 50 ft.
60.20	Top of ascent, bears N. 70° E. and S. 70° W.; desc. 40 ft.
68.20	Wash, 30 lks. wide, 4 ft. deep, course SW.; asc. 60 ft.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. T35S R15E S30 | S29 S31 | S32 1955
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the true point for the cor. of secs. 28, 29, 32 and 33.
	S. 89° 59' W., bet. secs. 29 and 32.
	Over broken land, no timber; asc. 550 ft. along steep SE. slope and over vertical cliff.
37.50	E. rim of mesa, bears NE. and SW.; desc. 10 ft. Enter scattered timber.

Chains	
39.99	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, with brass cap mkd. ¼ S 29 / S 32 / 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Over broken top of mesa; desc. 30 ft.
46.60	Wash, 20 lks. wide, 3 ft. deep, course SW.; asc. 10 ft.
52.00	Top of ascent, bears NE. and SW.; desc. 80 ft. along SW. slope.
73.70	Wash, 60 lks. wide, 8 ft. deep, course SW.; asc. 20 ft.
79.98	The cor. of secs. 29, 30, 31 and 32. Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	West, bet. secs. 30 and 31. Over broken top of mesa, through scattered timber; desc. 60 ft. along SW. slope.
3.40	W. rim of mesa, bears N. 30° E. and S. 30° W.; desc. 770 ft. over cliff and talus along steep NW. slope. Leave scattered timber.
40.00	Point for the ¼ sec. cor. of secs. 30 and 31. Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd. ¼ S 30 / S 31 / 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. from which A (XBO) on face of large sandstone boulder, bears South, 12 lks. dist. Over broken land, no timber; desc. 70 ft.
40.80	Wash. 20 lks. wide, 2 ft. deep, course NW.; asc. 50 ft.
44.70	Top of ascent, bears NW. and SE.; desc. 130 ft. over W. slope.
56.30	Wash, 1 ch. wide, 6 ft. deep, meanders W., along line, from SE.; desc. 70 ft.
61.50	Bladed road, bears NE. and SW.
68.40	Same wash, 50 lks. wide, 15 ft. deep, course W. along line, on curve from NE.; asc. 30 ft.

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

Chains	
77.70	Leave wash, 40 lks. wide, 20 ft. deep, course NW. from E.; asc. 20 ft.
80.00	The cor. of secs. 25, 30, 31 and 36, on the W. bdy. of the township. Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, none.

General Description

Township 35 South, Range 15 East is drained generally in two directions. White Canyon and its many tributaries drain the northern and eastern portions to the northwest. A myriad of smaller washes drain the southwest portion of the township in a southwesterly direction. Elevations range from 4500 feet in White Canyon to 6400 feet on the mesa in the southwest portion formed by the Wingate formation.

Soils are poor and are loose sands on top of solid sandstone. There are some blue clays immediately below the Wingate formation.

No water sources were found within the township.

Some native grasses are found in the White Canyon drainage, but only in the more protected areas.

Utah State Highway No. 95, a graveled, graded road, passes through the center of the township from southeast to northwest.

An AEC Buying Station is located on Highway 95 near the junction with the road to the Happy Jack Mine. A landing field parallels the highway about one mile north of this junction. A bladed road passes over Blue Notch from Highway 95 in the northwest portion of the township.

Scattered pinon and juniper are found in the White Canyon drainage and on top of the mesa, but none is found south of the mesa.

White Canyon may be crossed in three places within the township: Ducket Crossing on the north boundary of section 16, Gravel Crossing in section 26, and Soldiers Crossing on the south boundary of the township in the extreme southeast corner. A grave of some historical significance is also located at Soldiers Crossing.

(Feb., 1960)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Leslie H. Godwin	Chainman
Grant Back	Chainman
Ronald N. Hansen	Flagman
Frank Hanchett	Cornerman
Kay Saxton	Axeman
John Anderson	Axeman

16—53565-2

363

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor tha
pursuance of special instructions bearing date of the 17th day of March, 1
I have surveyed the east boundary, a portion of the north boundary, and a portion
the subdivisional lines of T. 35 S., R. 15 E.

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

Salt Lake City, Utah
February 8, 1956

George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,
Washington, D. C., JUN 6 1956, 19

The foregoing field notes of the survey of the east boundary, a portion of the north boundary and a portion of the subdivisional lines of T. 35 S., R. 15 E., Salt Lake Meridian, Utah

executed by George D. Voorhees
having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Office

~~CERTIFICATE OF TRANSCRIPT~~

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

~~Cadastral Engineering Staff Officer~~

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gerald W. Hansen	Chainman
Clyde Nielson	Chainman
Max E. Swindle	Flagman
Peter Monson	Cornerman
Dean Youngkeit	Axeman

16—58565-2

365

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor that in pursuance of special instructions bearing date of the 17th day of March, 19, I have surveyed a portion of the north boundary, and a portion of the subdivision lines of T. 35 S., R. 15 E.

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.

February 8, 1956

Salt Lake City, Utah

Cannon G. Parkinson
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1958, 19

The foregoing field notes of the survey of a portion of the north boundary and a portion of the subdivisional lines of T. 35 S., R. 15 E., Salt Lake Meridian, Utah

executed by Cannon G. Parkinson

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

Earl J. Harrington
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

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

Cadastral Engineering Staff Officer

U. S. GOVERNMENT PRINTING OFFICE 16—53865-3

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Original

FIELD NOTES

of the

Survey of the North Boundary

and

Portions of the Subdivisional Lines

of

Township 35 South, Range 16 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

George D. Voorhees, Cartographer (Cadastral)

Under special instructions dated March 17, *19*55, *which provided for the surveys included under Group No.* 400, *approved* April 4, 1955 *and assignment instructions dated* March 30, *19*55

Survey commenced May 9, *19*55

Survey completed June 6, *19*55

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

INDEX DIAGRAM

Township 35 South, *Range* 16 East

5 6	5 5	4 4	3 11 3	2 13 2 14	1 12 1
7	8	9 17	11 10	11	12
18	17	16 16 15	10 15	14	13
19	20	21	9 22	23	24
30	29 19	28	8 27	26	25 7
31	18 32	17 33	8 34	35	6 36

16—56770-1

Survey of the North Boundary and a Portion of the Subdivision of Township 35 South, Range 16 East

Chains

The south boundary of T. 35 S., R. 16 E. was surveyed by R. C. Yundt in 1931. The east boundary of the township was surveyed by Voigt and Yundt in 1931. The west boundary of the township was surveyed concurrently with the survey of this township and is described in the field notes of the survey of the east boundary of T. 35 S., R. 15 E.

The following field notes are those of the survey of the north boundary and a portion of the subdivision of T. 35 S., R. 16 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections..

The survey was executed with a W. & L. E. Gurley solar transit No. 481346, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the southeast corner of the township is latitude 37° 41' 03.9" N., longitude 110° 06' 06.3" W., as determined by traverse from U.S.G.S. triangulation station "Mine", situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Survey of the North Boundary of T. 35 S., R. 16 E.

Beginning at the cor. of Ts. 34 and 35 S., Rs. 16 and 17 E., mkd. by an iron post, 3 ins. diam., conforming to the record.

West, bet. secs. 1 and 36.

Over rolling land with sandstone outcropping, through medium dense timber; desc. 140 ft. over gradual SW. slope.

Chains	
40.00	Point for the ¼ sec. cor. of secs. 1 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. ¼ S 36 / S 1 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap. Continue over gradual SW. slope; desc. 150 ft.
78.10	E. rim of ravine, bears NE. and SW.; desc. 30 ft.
80.00	Point for the cor. of secs. 1, 2, 35 and 36. Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground to bedrock, with brass cap mkd. T34S R16E S35 | S36 S2 | S1 T35S 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap. Land, rolling. Soil, sand and sandstone outcropping. Timber, medium heavy pinon and juniper.
	West, bet. secs. 2 and 35. Desc. 60 ft. over ledges on NW. slope of ravine.
2.20	Wash in bottom of ravine, 20 lks. wide, 5 ft. deep, drains SW.; asc. 90 ft.
4.60	W. rim of ravine, bears NE. and SW.; desc. 70 ft.
12.50	E. rim of Lost Canyon, bears NW. and SE.; desc. 220 ft. over ledges on SW. slope.
30.70	Wash in the bottom of Lost Canyon, 60 lks. wide, 3 ft. deep, drains NW. from S.; asc. 90 ft. over ledges on NE. slope.
40.00	Point for the ¼ sec. cor. of secs. 2 and 35. Cement an iron post, 1 ft. long, 1 in. diam., 6 ins. in solid sandstone, with brass cap mkd. ¼ S 35 / S 2 1955 Raise a mound of stone, 2½ ft. base, N. of the iron post. Continue over ledges on NE. slope; asc. 70 ft.
42.00	S. rim of Lost Canyon, bears NW. and SE.; asc. 30 ft. over gradual NE. slope.

Survey of the North Boundary of T. 35 S., R. 16 E.

Chains	
59.20	Wash, 20 lks. wide, 2 ft. deep, drains N. 20° E.; asc. 40 ft.
63.60	Base of ascent, bears N. and S.; asc. 90 ft. over talus and ledges on E. slope.
76.40	E. rim of bench, bears N. 20° W. and S. 20° E.; asc. 30 ft. over broken 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., 6 ins. in the ground to bedrock, with brass cap mkd.
	T34S R16E S34 | S35 S3 | S2 T35S 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, medium dense pinon and juniper.
	West, bet. secs. 3 and 34.
	Continue over broken E. slope of bench; asc. 30 ft.
	Enter scattered timber, bears N. and S.
9.00	Bladed road on top of bench, bears S. 20° E. and N. 20° W., top of bench bears N. and S.; desc. 120 ft. over broken top of bench.
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, with brass cap mkd.
	¼ S 34 S 3 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Continue over broken top of bench; desc. 10 ft.
43.20	Wash, 10 lks. wide, 1 ft. deep, drains S.; asc. 50 ft.
48.50	Top of ascent, bears N. and S.; desc. 20 ft.
51.70	W. rim of bench, bears N. and S.; desc. 380 ft. over ledges and talus on SW. slope.
74.10	Wash, 10 lks. wide, 1 ft. deep, drains SW.
80.00	Point for the cor. of secs. 3, 4, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd.

Chains	
	T34S R16E S33 | S34 S4 | S3 T35S 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	West, bet. secs. 4 and 33.
	Base of ascent, bears NE. and SW.; asc. 160 ft. over talus and ledges on SE. slope.
6.10	E. rim of bench, bears NE. and SW.; asc. 60 ft. along SE. slope.
13.70	Top of ascent, bears NE. and SW.; desc. 120 ft. over W. slope.
21.20	Wash, 10 lks. wide, 3 ft. deep, drains S.; asc. 110 ft.
26.00	Top of ascent, bears N. 10° E. and S. 10° W.; desc. 10 ft.
27.30	W. rim of bench, bears NE. and S.; desc. 240 ft. over ledges and talus on W. slope.
36.60	Wash, drains S.; asc. 80 ft.
40.00	Point for the ¼ sec. cor. of secs. 4 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to bedrock, with brass cap mkd.
	¼ S 33 S 4 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Asc. 40 ft. over talus on SE. slope.
41.20	Point of bench, projects S.; desc. 120 ft. over talus on SW. slope
52.40	Wash, 20 lks. wide, 1 ft. deep, drains S. 20° W.; asc. 160 ft. over talus and ledges on SE. slope.
63.30	E. rim of bench, bears NE. and SW.; asc. 20 ft. over broken top of bench.
80.00	Point for the cor. of secs. 4, 5, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	T34S R16E S32 | S33 S5 | S4 T35S 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.

372

Survey of the North Boundary of T. 35 S., R. 16 E.

Chains	
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	West, bet. secs. 5 and 32.
	Desc. 140 ft. over broken top of bench.
6.10	Wash, drains SW.; asc. 80 ft.
11.00	Top of ascent, bears NE. and SW.; desc. 180 ft.
23.00	Wash, drains S.; asc. 180 ft.
32.70	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 70 ft.
35.90	W. rim of bench, bears N. and S.; desc. 180 ft.
38.10	Wash, drains S. 20° W.; asc. 20 ft.
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 to bedrock, with brass cap mkd.
	¼ S 32 S 5 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of cap.
	Asc. 40 ft. along SE. slope.
41.00	Point of bench, bears N. 10° E. and S. 10° W.; desc. 60 ft. over W. slope.
42.20	Drain, course SW.; asc. 100 ft. over talus and ledges on SE. slope.
49.00	Point of bench, bears N. 10° E. and S. 10° W.; desc. 50 ft.
51.50	W. rim of bench, bears N. 10° E. and S. 10° W.; desc. 330 ft. over ledges and talus on W. slope.
77.00	Wash, 10 lks. wide, 1 ft. deep, drains SW.; asc. 30 ft.
80.00	Point for the cor. of secs. 5, 6, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	T34S R16E S31 | S32 S6 | S5 T35S 1955
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	West, bet. secs. 6 and 31.

Survey of the North Boundary of T. 35 S., R. 16 E.

Chains	
	Asc. 30 ft. over gradual SE. slope.
13.80	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 60 ft.
33.00	Wash, 30 lks. wide, 3 ft. deep, drains S.; asc. 40 ft.
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 to bedrock, with brass cap mkd.
	¼ S 31 / S 6
	1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of cap.
	Asc. 90 ft. along gradual SE. slope.
55.10	Base of ascent, bears NE. and SW.; asc. 100 ft. over nearly vertical sandstone wall.
56.90	E. rim of bench, bears N. 10° E. and S. 10° W.; asc. 140 ft. over broken top of bench.
68.50	Top of ascent, bears N. and S.; desc. 150 ft. over W. slope.
79.28	The cor. of Ts. 34 and 35 S., Rs. 15 and 16 E., marked by an iron post conforming to the record contained in the field notes of the survey of T. 35 S., R. 15 E.
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

Survey of a Portion of the Subdivision of T. 35 S., R. 16 E.

	From the standard cor. of secs. 35 and 36, on the S. bdy. of the township, which is monumented with a sandstone, showing 24x10x6 ins. above the ground, firmly set, mkd. and witnessed as described in the official record.
	The corner is in good condition and is not remonumented.
	N. 0° 01' W., bet. secs. 35 and 36.
	Asc. 70 ft. along gradual SW. slope, through scattered timber.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, with brass cap mkd.
	S 35 ¼ | S 36
	1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Desc. 70 ft. along gradual NW. slope.

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

Chains	
46.60	S. rim of Gravel Canyon, bears NE. and SW.; desc. 180 ft.
49.90	Wash, in bottom of Gravel Canyon, 60 lks. wide, 1 ft. deep, drains S. 75° W.; asc. 190 ft. over nearly vertical sandstone wall.
53.50	N. rim of Gravel Canyon, bears NE. and SW.; asc. 30 ft.
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, with brass cap mkd.
	T35S R16E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, mkd. by an iron post, 2 ins. diam., conforming to the record.
	N. 89° 58' W., bet. secs. 25 and 36.
	Desc. 40 ft. over gradual W. slope, through scattered timber.
6.54	Wash, 10 lks. wide, 3 ft. deep, drains S. 80° W.; desc. 60 ft.
39.94	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, with brass cap mkd.
	¼ S 25 S 36 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of cap.
40.10	Wash, drains S. 70° W.; desc. 60 ft. along gradual SW. slope.
51.40	E. rim of Gravel Canyon, bears N. 10° E. and SE.; desc. 160 ft.
57.90	Wash in bottom of Gravel Canyon, 50 lks. wide, 2 ft. deep, drains S. 10° W.; asc. 70 ft. over ledges.
62.00	Top of ascent, bears SE. and NW.; desc. 30 ft.
64.50	Wash, drains SE.; asc. 120 ft. over ledges.
68.80	W. rim of Gravel Canyon, bears N. 10° W. and SE.; asc. 20 ft. over E. slope.
73.00	Top of ascent, bears NW. and SE.; desc. 20 ft.
79.87	The cor. of secs. 25, 26, 35 and 36.

Chains	
	Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the standard corner of secs. 33 and 34, on the S. bdy. of the township, mkd. by an iron post, firmly set, mkd. and witnessed as described in the official record.
	N. 0° 02' W., bet. secs. 33 and 34.
	Desc. 240 ft. along NW. slope, through scattered timber.
32.50	S. rim of Gravel Canyon, bears NW. and SE.; desc. 120 ft. abruptly over sandstone wall.
37.20	Wash in bottom of Gravel Canyon, 40 lks. wide, 3 ft. deep, drains N. 70° W.; asc. 20 ft. over ledges.
40.00	Point for the ¼ sec. cor. of secs. 33 and 34.
	Cement an iron post, 1 ft. long, 1 in. diam., 6 ins. in solid sandstone, with brass cap mkd. ¼ S 33 | S 34 1955
	from which
	An (XBO) on the face of vertical wall, bears North, 30 lks. dist.
	Asc. 120 ft. over N. wall of Gravel Canyon.
42.00	N. rim of Gravel Canyon, bears NW. and SE.; asc. 170 ft. along gradual SW. slope, through scattered timber.
80.00	Point for the cor. of secs. 27, 28, 33 and 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. T35S R16E S28 | S27 S33 | S34 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 27 and 28.
	Over broken land; asc. 160 ft. along steep SW. slope.
11.00	Top of ledge, about 40 ft. high, bears W. and S. 20° E.; asc. 180 ft. over ledges on steep S. slope.
16.30	S. rim of bench, bears W. and SE.; asc. 30 ft. over broken top of bench.

U. S. GOVERNMENT PRINTING OFFICE 16—28580-1

375

Survey of a Portion of the Subdivision of T. 35 S., R. 16 E.

Chains	
30.30	N. rim of bench, bears E. and W.; desc. 310 ft. over ledges on steep N. slope.
40.00	Point for the ¼ sec. cor. of secs. 27 and 28.
	Cement an iron post, 1 ft. long, 1 in. diam., 5 ins. in solid sandstone on large boulder, with brass cap mkd.
	¼ S 28 | S 27 1955
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the iron post.
	Desc. 150 ft. along NW. slope, through scattered timber.
78.00	S. rim of canyon, bears E. and W.; desc. 20 ft. over ledges.
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 bedrock, with brass cap mkd.
	T35S R16E S21 | S22 S28 | S27 1955
	Raise a mound of stone, 4 ft. base, around the iron post, to top of post.
	from which
	An (XBO) on the face of a vertical wall about 20 ft. high, bears S. 12° E., 6 lks. dist.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Desc. 60 ft. over ledges.
1.00	Wash, in bottom of canyon, drains W.; asc. 80 ft. over ledges.
3.60	N. rim of canyon, bears E. and W.; asc. 80 ft. along gradual SE. slope.
33.60	Base of ascent, bears NE. and SW.; asc. 130 ft. over talus and ledges on SE. slope.
38.28	S. rim of bench, bears NE. and SW.; asc. 10 ft. along SE. slope.
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, with brass cap mkd.
	¼ S 21 | S 22 1955

Chains	
	Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the iron post.
	Asc. 40 ft. over broken top of bench, through scattered timber.
41.50	Top of ascent, bears NE. and SW.; asc. 40 ft. along gradual SW. slope.
80.00	Point for the cor. of secs. 15, 16, 21 and 22.
	Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T35S R16E S16 | S15 S21 | S22 1955
	Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the iron post.
	Land, broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 15 and 16.
	Asc. 190 ft. over rolling and broken top of bench.
37.10	Top of ascent and bladed road, bear E. and W.; desc. 10 ft.
40.00	Point for the ¼ sec. cor. of secs. 15 and 16.
	Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap mkd.
	¼ S 16 | S 15 1955
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the iron post.
	Desc. 50 ft. over rolling top of bench.
45.00	Base of ascent, bears NE. and SW.; asc. 120 ft. over talus and ledges on SE. slope.
56.40	Top of ascent, bears NE. and SW.; desc. 200 ft. along NE. slope.
78.20	N. rim of bench, bears E. and W.; desc. 170 ft. over ledges and talus on steep 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., 18 ins. in the ground, with brass cap mkd.
	T35S R16E S9 | S10 S16 | S15 1955
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of the iron pos

37

Survey of a Portion of the Subdivision of T. 35 S., R. 16 E.

Chains	
	Land, rolling and broken. Soil sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 9 and 10.
	Desc. 130 ft. along gradual NW. slope, through scattered timber.
28.20	S. rim of Long Canyon, bears NE. and SW.; desc. 200 ft. over ledges and vertical sandstone wall.
31.90	Wash, in bottom of Long Canyon, 60 lks. wide, 2 ft. deep, drains S. 70° W. from E.; asc. 200 ft. over canyon wall.
38.70	N. rim of Long Canyon, bears E. and W.; asc. 20 ft. over 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., 15 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd. ¼ S 9 | S 10 1955
	Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the iron post.
	Asc. 70 ft. over ledges and rolling land on gradual SW. slope.
61.60	Wash, drains SW.; asc. 60 ft. along gradual SW. 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 to bedrock, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd. T35S R16E S4 | S3 S9 | S10 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post.
	Land, rolling. Soil, sand. Timber, scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 3 and 4.
	Over rolling land, through scattered timber; asc. 60 ft. along gradual SW. slope.
27.20	Wash, 15 lks. wide, 1 ft. deep, drains W.
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, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd.

Chains	
	$\frac{1}{4}$ S 4 | S 3 1955
	Raise a mound of stone, 4 ft. base, 2½ ft. high, W. of the iron post.
	Continue over rolling land; asc. 10 ft. along gradual SW. slope.
49.40	Wash, drains SW.; asc. 50 ft.
68.20	Wash, 40 lks. wide, 4 ft. deep, drains SW.; asc. 40 ft.
79.80	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township
	Land, rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.
	South, bet. secs. 1 and 2.
	Asc. 20 ft. over ledges and rolling land on NW. slope.
1.40	Top of ascent, bears NE. and SW.; desc. 40 ft. along SW. slope.
10.10	Wash, 10 lks.wide, 1½ ft. deep, drains W.; asc. 20 ft.
11.30	Top of ascent, bears NE. and SW.; desc. 10 ft.
14.40	N. rim of Lost Canyon, bears NW. and SE.; desc. 210 ft. over ledges and nearly vertical wall.
30.00	Wash in bottom of Lost Canyon, 40 lks. wide, 6 ft. deep, drains W.; asc. 160 ft. over ledges.
36.60	S. rim of Lost Canyon, bears NW. and E.; asc. 20 ft. over ledges.
39.93	Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd.
	$\frac{1}{4}$ S 2 | S 1 1955
	Raise a mound of stone, 2½ ft. base, around the iron post, to top of post.
	Asc. 40 ft. along NW. slope.
51.30	Top of ascent, bears NW. and SE.; desc. 10 ft.
57.87	Wash, 6 lks. wide, 3 ft. deep, drains N. 75° W.; asc. 10 ft.
62.70	Top of ascent, bears NW. and SE.; desc. 10 ft.
64.30	Wash, 20 lks. wide, 2 ft. deep, drains N. 60° W.; asc. 80 ft. along gradual NE. slope.

Chains	
79.93	Point for the cor. of secs. 1, 2, 11 and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 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., 16 ins. in the ground to bedrock, with brass cap mkd. T35S R16E S2 | S1 S11 | S12 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	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. Desc. 10 ft. over ledges on E. slope.
5.50	Wash, drains E.; desc. 30 ft.
25.20	Bladed road, bears E. and N. 70° W.
25.40	Wash, drains NE.; asc. 100 ft. along NE. slope.
28.70	N. rim of bench, bears NW. and SE.; desc. 70 ft. over rolling top of bench.
39.87	Point for the ¼ sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd. ¼ S 3 | S 2 1955 Raise a mound of stone, 3 ft. base, 2½ ft. high, W. of the iron post. Continue over rolling top of bench; desc. 100 ft.
49.80	Wash, 60 lks. wide, 1 ft. deep, drains S. 40° W.; asc. 20 ft.
53.70	Top of ascent, bears NE. and SW.; desc. 30 ft.
57.30	Wash, 7 lks. wide, 1 ft. deep, drains S. 80° W.; asc. 100 ft.
66.60	Top of ascent, bears E. and SW.; desc. 70 ft.
73.80	S. rim of bench, bears NE. and S. 70° W.; desc. 210 ft. over ledges and talus on SE. slope.
79.87	Point for the cor. of secs. 2, 3, 10 and 11, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 and 12 on the E. bdy. and the cor. of secs. 3, 4, 9 and 10.

Chains	
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd. T35S R16E S3 | S2 S10 | S11 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Land, broken and rolling. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 1, 2, 11 and 12. West, bet. secs. 2 and 11. Asc. 110 ft. over talus and vertical wall of bench.
2.60	E. rim of bench, bears N. 10° W. and S. 10° E.; asc. 50 ft. over top of bench.
4.60	Top of ascent, bears NE. and S.; desc. 90 ft. over broken top of bench.
12.10	Bladed road, bears N. 10° W. and S. 5° E.
27.50	Wash, 8 lks. wide, 1 ft. deep, drains SE.; asc. 90 ft.
32.00	Top of ascent, bears N. 20° W. and S. 20° E.; desc. 10 ft.
33.40	Wash, 7 lks. wide, 1 ft. deep, drains SW.; desc. 60 ft.
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 to bedrock, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd. ¼ S 2 S 11 1955 Raise a mound of stone, 3½ ft. base, 2½ ft. high, N. of the iron post. Corner falls in a wash, 10 lks. wide, 1 ft. deep, drains S. Asc. 50 ft. along SE. slope.
43.50	Top of ascent, bears N. and SW.; desc. 210 ft. along SW. slope.
55.10	Wash, 15 lks. wide, 1 ft. deep, drains SW.; asc. 20 ft.
60.80	Top of ascent, bears NE. and SW.; desc. 40 ft.
64.10	W. rim of bench, bears N. and SW.; desc. 130 ft. over ledges and talus on W. slope.
69.50	Wash, drains SW.; desc. 40 ft.
75.40	Wash, drains S.; asc. 10 ft.

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

Chains	
80.00	The cor. of secs. 2, 3, 10 and 11. Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 15, 16, 21 and 22. West, bet. secs. 16 and 21. Over rolling and broken top of bench, through scattered timber. Desc. 20 ft. over W. slope.
15.20	W. rim of bench, bears N. and S.; desc. 180 ft. over ledges and talus on steep W. slope.
19.70	Point of bench, projects S.; thence over talus on S. slope.
24.00	Base of ascent, bears NE. and SW.; asc. 180 ft. over talus and ledges on SE. slope.
25.00	Asc. over rim onto bench, bears NE. and SW.
30.40	Point of bench, projects S.; desc. 50 ft.
34.50	Wash, drains S.; asc. 90 ft. along SE. slope.
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, with brass cap mkd. ¼ S 16 / S 21 / 1955 Raise a mound of stone, 3 ft. base, around the iron post, to top of cap. Asc. 30 ft. over top of bench.
42.90	Top of ascent, bears N. and S.; desc. 100 ft.
54.00	Wash, drains S. 10° E.; asc. 70 ft.
58.40	Top of ascent, bears N. and S.; desc. 20 ft.
60.00	Wash, 7 lks. wide, 1 ft. deep, drains S. 10° E.; asc. 60 ft. over E. slope.
63.10	Top of ascent, bears N. and SW.; desc. 130 ft. over broken top of bench.
65.50	Bladed road, bears NE. and SW.
68.50	Wash, 17 lks. wide, 4 ft. deep, drains S. 20° W.; asc. 50 ft.
72.00	Top of ascent, bears N. 20° E. and S. 20° W.; desc. 90 ft.
80.00	Point for the cor. of secs. 16, 17, 20 and 21. Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground to bedrock, with brass cap mkd.

Chains	
	T35S R16E S17 | S16 S20 | S21 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	N. 0° 03' W., bet. secs. 16 and 17. Over rolling and broken top of bench, through scattered timber. Asc. 120 ft. along SW. slope.
4.00	Top of ascent, bears E. and W.; desc. 50 ft.
9.00	Wash, 10 lks. wide, 4 ft. deep, drains W.; asc. 50 ft.
11.50	Top of ascent, bears NE. and SW.; desc. 60 ft.
16.30	Wash, 8 lks. wide, 2 ft. deep, drains SW.; asc. 50 ft.
19.30	Top of ascent, bears NE. and SW. desc. 70 ft.
21.50	Wash, 10 lks. wide, 3 ft. deep, drains W.; asc. 100 ft.
26.30	Top of ascent, bears NE. and SW.; desc. 40 ft.
28.50	Wash, 8 lks. wide, 2 ft. deep, drains SW.; asc. 40 ft.
33.00	Top of ascent, bears NE. and SW.; desc. 20 ft.
36.30	Wash, 10 lks. wide, 5 ft. deep, drains SW.
40.00	Point for the ¼ sec. cor. of secs. 16 and 17. Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap mkd. ¼ S 17 | S 16 1955 Raise a mound of stone, 5 ft. base, around the iron post, to top of post. Asc. 40 ft. over top of bench.
41.75	Bladed road on top of ascent, bears N. 80° W. and S. 80° E.; desc. 50 ft.
47.50	Wash, 10 lks. wide, 1 ft. deep, drains NW.; asc. 100 ft.
55.00	Top of ascent, bears E. and NW.; desc. 60 ft.
60.75	Wash, 10 lks. wide, 5 ft. deep, drains NW.; desc. 110 ft.
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, with brass cap mkd.

U. S. GOVERNMENT PRINTING OFFICE 16—26520-1

384

Survey of a Portion of the Subdivision of T. 35 S., R. 16 E.

Chains	
	T35S R16E S8 | S9 S17 | S16 1955 Raise a mound of stone, 3½ ft. base, around the iron post, to top of post. Land, rolling and broken top of bench. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 9, 10, 15 and 16. S. 89° 56' W., bet. secs. 9 and 16. Over broken land, through scattered timber; desc. 80 ft. along NW. slope.
7.00	Wash, drains N.; asc. 260 ft. over talus and ledges on NE. slope.
20.40	Point of bench, projects N. 20° W.; desc. 200 ft. over ledges and talus on NW. slope.
26.40	Wash, drains N.; asc. 190 ft. along steep NE. slope.
37.90	Top of ascent, bears N. 10° W. and S. 10° E.; desc. 30 ft.
39.90	Point for the ¼ sec. cor. of secs. 9 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, with brass cap mkd. ¼ S 9 S 16 1955 Raise a mound of stone, 4 ft. base, around the iron post, to top of post. Desc. 30 ft. along steep NW. slope.
43.80	Wash, drains N.; asc. 80 ft. along steep NE. slope.
60.75	Top of ascent, bears N. 20° W. and S. 20° E.; desc. 110 ft.
65.50	Wash, drains NW.; asc. 80 ft.
75.00	Top of ascent, bears N. and S.; desc. 80 ft. over NW. slope.
79.80	The cor. of secs. 8, 9, 16 and 17. Land, broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the standard cor. of secs. 32 and 33, on the S. bdy. of the township, mkd. by an iron post, firmly set, mkd. and witnessed as described in the official record. N. 0° 03' W., bet. secs. 32 and 33. Over rolling and broken land, through scattered timber.

Chains	
	Asc. 240 ft. over talus and ledges on steep S. slope.
12.00	S. rim of bench, bears E. and W.; asc. 20 ft. over broken top of bench.
16.30	Top of ascent, bears NW. and SE.; desc. 50 ft.
23.00	N. rim of bench, bears NW. and SE.; desc. 220 ft. over ledges and talus on steep 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., 8 ins. in the ground to bedrock, with brass cap mkd. ¼ S 32 | S 33 1955
	Raise a mound of stone, 3½ ft. base, around the iron post, to top of post.
	Desc. 90 ft. over gradual N. slope, through scattered timber.
62.20	S. rim of Gravel Canyon, bears N. 70° W. and S. 70° E.; desc. 180 ft. over ledges and nearly vertical wall.
66.30	Wash, in the bottom of Gravel Canyon, 60 lks. wide, 2 ft. deep, course N. 70° W.; asc. 140 ft. over sandstone wall.
69.50	N. rim of Gravel Canyon, bears NW. and S. 70° E.; asc. 50 ft. over ledges.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., over an (X) on sandstone surface, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd. T35S R16E S29 | S28 S32 | S33 1955
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the standard cor. of secs. 31 and 32, on the S. bdy. of the township, mkd. by 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 rolling and broken land, through scattered timber.
	Asc. 150 ft. over talus and ledges on steep SW. slope.
7.00	S. rim of bench, bears NW. and SE.; asc. 110 ft. over broken top of bench, along SW. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.

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

386

Survey of a Portion of the Subdivision of T. 35 S., R. 16 E.

Chains	
	$\frac{1}{4}$ S 31 | S 32 1955
	Raise a mound of stone, 2 ft. base, around the iron post, to top of post.
	Continue over rolling and broken top of bench; asc. 80 ft.
63.00	Top of ascent, bears NW. and SE.; desc. 110 ft.
75.70	Wash, 7 lks. wide, 1 ft. deep, course NW.; desc. 30 ft.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long; 2½ ins. diam., 6 ins. in the ground to bedrock, with brass cap mkd.
	T35S R16E S30 | S29 S31 | S32 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Land, rolling and broken. Soil, sand and sandstone outcropping. Timber, scattered pinon and juniper.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 58' W., bet. secs. 29 and 32.
	Over broken land; desc. 20 ft.
6.50	N. rim of Gravel Canyon, bears N. 10° W. and S. 70° E.; desc. 180 ft. over ledges and nearly vertical sandstone wall.
12.60	Wash in bottom of Gravel Canyon, 60 lks. wide, 5 ft. deep, course N. 10° W.; asc. 180 ft. over vertical sandstone wall and ledges.
14.50	S. rim of Gravel Canyon, bears N. 20° W. and S. 20° E.; asc. 20 ft. over rolling land.
24.00	Top of ascent, bears N. and S.; desc. 40 ft. over rolling land.
40.02	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, with brass cap mkd.
	$\frac{1}{4}$ S 29 S 32 1955
	Raise a mound of stone, 3 ft. base, around the iron post, to top of post.
	Over rolling land; asc. 30 ft. along gradual NE. slope.
70.00	Base of ascent, bears N. 10° W. and SE.; asc. 160 ft. over talus and ledges on steep NE. slope.

Chains	
74.90	Point of bench, projects N. 20° E. about 9 chs.to end; desc. 100 ft. along steep NW. slope.
80.04	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling and broken. Soil, shallow sand and sandstone outcropping. Timber, scattered pinon and juniper.

General Description

Township 35 South, Range 16 East is drained westerly by White Canyon, Gravel Canyon, Long Canyon and Lost Canyon, from south to north respectively. It is nearly equally divided between the broken surface of the bench-tops and the lower flats of sand and sandstone outcrops. Elevations range from about 4800 to 6800 feet above sea level.

No sources of water were found within the township.

Scattered pinon and juniper are found throughout the township, as well as small xerophytic undergrowth. A scant supply of native grasses may be found in more protected areas where the movement of the sand does not retard growth.

Considerable uranium prospecting has taken place around a notable landmark, Jacobs Chair, in the west-central portion of the township.

Jacobs Chair is situated on a bench which extends west to east across the entire township. Drill-access roads are numerous on this bench, and a bladed road lies along the top of the bench. A bladed road also follows the top of the northernmost bench, bearing NW. and SE. A trail road is found in the extreme SW. portion of the township on the N. side of White Canyon.

(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Leslie H. Godwin	Chainman
Grant Back	Chainman
Ronald N. Hansen	Flagman
Bruce B. Baker	Axeman
Frank Hanchett	Axeman
John Anderson	Cornerman

16—53565-2

389

CERTIFICATE OF CADASTRAL ENGINEER

I, George D. Voorhees, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 17th day of March, 1

I have surveyed the north boundary, and a portion of the subdivisional lines of

T. 35 S., R. 16 E.

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

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

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 foregoing

field notes.

Salt Lake City, Utah

January 19, 1956

George D. Voorhees
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, *19*

The foregoing field notes of the survey of the north boundary, and a portion of the subdivisional lines of T. 35 S., R. 16 E., Salt Lake Meridian, Utah.

executed by George D. Voorhees

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

Earl G. Harrington
Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

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

Cadastral Engineering Staff Office

U. S. GOVERNMENT PRINTING OFFICE 16—53565-8

4—879
(September 1948)

390

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE SURVEY

OF

A PORTION OF THE SUBDIVISION

OF

TOWNSHIP 35 SOUTH, RANGE 18 EAST

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Leslie H. Godwin - Cadastral Surveyor

Under supplemental *special instructions dated* September 11, *19* 58, *which provided for the surveys included under Group No.* 405, *approved* September 12, 1958 *and assignment instructions dated* September 4, *19* 58

Survey commenced October 16, *19* 58

Survey completed October 17, *19* 58

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

INDEX DIAGRAM

Township 35 South, *Range* 18 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	2 2 32 1	33	34	35	36

16—56770-1

Township 35 South, Range 18 East

Chains	
	The south boundary (Seventh Standard Parallel South) was surveyed by Emil Voigt in 1927. The west boundary was surveyed by Emil Voigt and Robert C. Yundt in 1927 to 1931. The north and east boundaries are not surveyed.
	The following field notes are those of the survey of section 32, which is the only State school section in the township outside the LaSal National Forest.
	For a description and test of instruments and methods of survey used see the notes for the concurrent survey of a portion of the subdivision of T. 36 S., R. 16 E.
	The geographic position of the southeast corner of section 32 is in latitude 37° 41' 05" N. and longitude 109° 57' 21" W., as determined from the U. S. Geological Survey topographic quadrangle sheet "Elk Ridge 3 NW."
	The magnetic declination was determined to be 15° East.
	Portion of the Subdivision of T. 35 S., R. 18 E.
	Beginning at the standard cor. of secs. 32 and 33, which is monumented by a 2 ins. iron post, set, mkd. and witnessed as described in the official record.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over rolling hills, general SW. drainage, through heavy timber and undergrowth; asc. 40 ft. to point for ¼ sec. cor.
17.00	Ravine, course SW.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	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. T35S R18E ¼ S32 | S33 1958
	Desc. 40 ft. over NW. slope.
44.80	Road, graded, bears SW. and NE.
54.00	Wash, 30 lks. wide, 6 ft. deep, drains SW.
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. T35S R18E S29 | S28 S32 | S33 1958
	Deposit a rock mkd. with a cross (X) at base of iron post.
	Land, rolling table land, general SW. slope. Soil, light sandy clay loam. Timber, pine, pinon and juniper. Undergrowth, scrub oak, laurel, service berry, buckbrush, sagebrush and native grasses.

Chains	
	From the standard cor. of secs. 31 and 32 on the S. bdy. of the Tp., which is monumented by an iron post, 2 ins. diam., set, mkd. and witnessed as described in the official record.
	N. 0° 03' W., bet. secs. 31 and 32.
	Over rough mountainous land, through heavy timber; asc. 130 ft. over steep SE. slope of Deer Canyon.
9.60	NW. rim of Deer Canyon, bears NE. and SW.; asc. 90 ft. over general S. slope to point for ¼ sec. cor.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	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,
	T35S R18E ¼ S31 | S32 1958
	from which
	A pinon, 24 ins. diam., bears N. 30° E., 2.70 chs. dist., mkd. ¼ S32 BT.
40.20	Wash, drains SE.; asc. 200 ft. over rolling general SW. slope to poi for sec. cor.
42.60	Road, graded, bears E. and W.; reservoir bears W. 3 chs. dist.
80.00	Point for the cor. of secs. 29, 30, 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 22 ins. in the ground with brass cap mkd.
	T35S R18E S30 | S29 S31 | S32 1958
	Deposit a rock mkd. with a cross (X) at base of iron post.
	Land, S. ½ rough mountainous; N. ½ rolling moderate slopes. Soil, sandy loam. Timber, pinon, juniper and thinly scattered pine. Undergrowth, oak brush, service berry, sagebrush, buckbrush and nati grasses.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 89° 59' W., bet. secs. 29 and 32.
	Over rolling hills, general S. drainage, through moderate pine timbe and oak brush; asc. 70 ft. over rolling general S. slope.
20.30	Ravine, course S.
28.40	Spur, slopes S.; desc. 45 ft. over SW. slope to to point for ¼ sec. c
40.01	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.

U.S. GOVERNMENT PRINTING OFFICE: 1958—O-438-252

Portion of the Subdivision of T. 35 S., R. 18 E.

Chains	
	T35S R18E ¼ S29 S32 1958
	Deposit a rock mkd. with a cross (X) at base of iron post.
	Cont. descent; desc. 60 ft. over SW. slope.
53.90	Ravine, course SSE.; asc. 155 ft. over E. slope.
61.20	Road, graded, bears N. and SE.
66190	Top of knoll, bears NE. and S.; desc. 150 ft. over SW. slope to sec. cor.
80.02	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling and hilly. Soil, light sandy loam. Timber, juniper and pinon, pine in W. ½. Undergrowth, heavy oak brush, service berry, buckbrush, sagebrush and native grasses.

GENERAL DESCRIPTION

The land within section 32 of T. 35 S., R. 18 E. is principally rolling with the exception of the area near Deer Canyon which is rough and mountainous. It has a general southwest exposure and drainage is into Deer Canyon, which runs through the SW½ of the southwest portion of the section. The soil is principally sandy loam covered with native grasses, scrub oak, laurel, service berry, buckbrush and sagebrush. A heavy growth of juniper, pinon and pine is found throughout the major part of the section. The elevation of section 32 averages about 8,000 feet. The principal use of the land is for grazing purposes.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Dean Conklin	Instrument
Jim Tyer	Rear chainman and note keeper
Dean Burt	Front chainman
Stanley Wilfong	Flagman

10—53565-2

396

CERTIFICATE OF CADASTRAL ENGINEER

I, Leslie H. Godwin, HEREBY CERTIFY upon honor that

pursuance of supplemental special instructions bearing date of the 11th day of September, 19

I have surveyed a portion of the subdivision of Township 35 South, Range 18 East

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

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

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

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

field notes.

January 20, 1959

Salt Lake City, Utah

Leslie H. Godwin

Leslie H. Godwin, Cadastral Surve

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 13 1960, *19*

The foregoing field notes of the survey of a portion of the subdivision of Township 35

South, Range 18 East, Salt Lake Meridian, Utah

executed by Leslie H. Godwin, Cadastral Surveyor

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

Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

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

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

~~*Cadastral Engineering Staff Office*~~

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 SUBDIVISION

OF

TOWNSHIP 35½ SOUTH, RANGE 12 EAST

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

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

Fred R. Chappell - Cadastral Surveyor

Under special instructions dated May 13, *19* 56, *which provided for the surveys included under Group No.* 401, *approved* July 5, 1956 *and assignment instructions dated* September 11, *19* 57

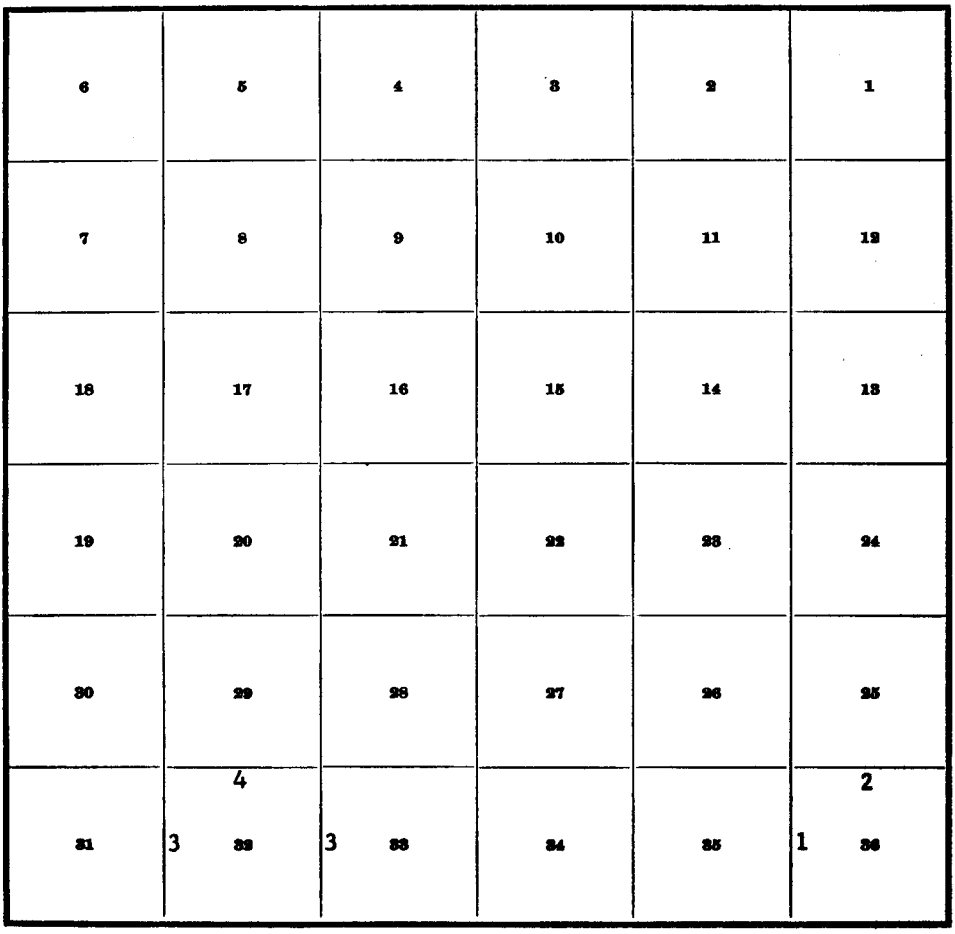
Survey commenced October 7, *19* 57

Survey completed October 18, *19* 57

U. S. GOVERNMENT PRINTING OFFICE 16—68776-1

INDEX DIAGRAM

Township 35½ South, *Range* 12 East



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	4 3 32	3 33	34	35	2 1 36

16—60770-1

24

Township 35½ South, Range 12 East

Chains	
	The north boundary of T. 35½ S., R. 12 E. of the Salt Lake Meridian, Utah, which is the Seventh Standard Parallel South, was surveyed by Fred R. Chappell in 1955. The east boundary was surveyed by Fred R. Chappell in 1956. The south and west boundaries are being surveyed concurrently under this group. The following field notes are those of a survey of that part of the subdivision considered sufficient in extent to mark the boundaries of those sections normally considered State school land and to facilitate the development of the natural resources.
	The survey was executed with a W. and L. E. Gurley solar transit, serial No. 541327, being the property of the Bureau of Land Management and constructed in accordance with their standard specifications. The instrument has full vertical circles and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. The horizontal verniers are graduated to 30 seconds of arc. All other verniers of the transit and solar attachment are graduated to single minutes of arc. The instrument was in good adjustment and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in good adjustment during the survey.
	The direction of the lines were determined by the solar transit method.
	The measurements were made with steel ribbon tapes, 8 chains in length. These tapes are graduated every link for the first chain and thereafter at intervals of 10 links. They were tested by comparison with a Lufkin standard steel tape, 1 chain in length and found to be correct. The measurements were made on the slope, the verical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these notes. In most cases the distances were determined by chaining, but in some instances they were obtained by triangulation and offsets. The details of these were thoroughly verified and only the true line distances returned in the notes.
	The geographic position of the SE. corner of the township as adjusted by traverses to U.S. Geological Survey triangulation stations within the area is latitude 37° 41' 04.815" N. and longitude 110° 31' 44.207" W.
	The mean magnetic declination was found to be 15° E.
	Portion of the Subdivision, T. 35½ S., R. 12 E.
	Beginning at the cor. of secs. 35 and 36 on the south boundary of the township, mkd. by an iron post, 2½ ins. diam., conforming to the record.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over gently rolling desert bench land, through medium undergrowth.
	Desc. 55 ft. over a gentle 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., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd.
	T35½S R12E ¼ S35 | S36 1957
	Deposit charcoal at the base of the post.

Portion of the Subdivision, T. 35½ S., R. 12 E.

Chains	
	Desc. 115 ft. over a gentle N. slope.
76.40	S. rim of Ticaboo Canyon, bears irregularly E. and W.; desc. 55 ft. over sandstone slickrock, sloping to the N.
80.00	Point for the cor. of secs. 25, 26, 35 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 4 ft. base to top, with brass cap mkd. T35½S R12E S26 | S25 S35 | S36 1957
	Land, rolling desert. Soil, sandy loam the first 76.00 chs., barren sandstone the balance. Timber, none; undergrowth, medium black brush, rabbit brush, grass and weeds.
	Beginning at the true point for the cor. of secs. 25, 30, 31 and 36 on the E. bdy. of the township, which is witnessed N., 1.20 chs. dis by an iron post, 2½ ins. diam., set, mkd. and witnessed as described in the official record.
	S. 89° 58' W., bet. secs. 25 and 36.
	Over badly broken desert land, no timber or undergrowth, across barren sandstone; desc. 260 ft. over a broken W. slope.
10.00	Gulch, drains N.; asc. 280 ft. over a series of ledges facing to the NE.
15.00	W. rim of gulch, bears SE. and NW.; asc. 160 ft. over a series of ribs, knobs and crevices, putting to the N.
39.74	Point for the witness ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut in solid sandstone, and in a mound of stone, 3½ ft. base to top, with brass cap mkd. T35½S R12E ¼ S25 S36 W C 1957
40.03	True point for the ¼ sec. cor. of secs. 25 and 36 falls on a steep N. slope of a sandstone rib, where the cor. cannot be perpetuated.
45.40	Sandstone spur, projects N. 10° E.; desc. 160 ft. over a broken W. slope.
58.00	Sandstone draw, drains N. 20° E.; asc. 340 ft. over a NE. changing t N. slope.
80.06	The cor. of secs. 25, 26, 35 and 36.
	Land, badly broken desert. Soil, exposed, broken and eroded sandstone. Timber, none.

Portion of the Subdivision of T. 35½ S., R. 12 E.

Chains	
	Beginning at the cor. of secs. 32 and 33 on the S. bdy. of the township, mkd. by an iron post, 2½ ins. diam., conforming to the record.
	N. 0° 03' W., bet. secs. 32 and 33.
	Over rolling desert bench land, through medium undergrowth; asc. 20 ft. over a gentle W. slope.
4.40	Top of sandy rise; desc. 20 ft. over a N. slope.
9.80	Bladed road, bears N. 70° W. and S. 80° E.; desc. 35 ft. over a N. slope.
18.85	Recross road, bears N. 20° E. and S. 15° W.; desc. 30 ft. over a N. slope.
23.60	Draw, drains W. Metal watering trough located at junction of two draws, bears W., 1.00 ch.
24.80	Draw, drains SW., 1.20 chs. to junction with previous draw; asc. 140 ft. over a S. 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 solid rock, and in a mound of stone, 3½ ft. base to top, with brass cap mkd.
	T35½S R12E ¼ S32 | S33 1957
	Deposit a sandstone, 4x4x3 ins., mkd. with a cross (X) at the base of the post.
	Asc. 145 ft. over a S. slope.
70.90	Top of rise; desc. 70 ft. along a 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., 12 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with brass cap mkd.
	T35½S R12E S29 | S28 S32 | S33 1957
	Deposit a sandstone, 4x4x4 ins., mkd. with a cross (X) at the base of the post.
	Land, rolling desert. Soil, rocky sandy clay. Timber, none; undergrowth, medium dense black brush, scattered yellow brush, cacti, mountain rush, grass and weeds.
	Beginning at the cor. secs. 31 and 32 on the S. bdy. of the township, mkd. by an iron post, 2½ ins. diam., conforming to the record.
	N. 0°03' W., bet. secs. 31 and 32.
	Over rolling desert bench land, through medium undergrowth.
	Asc. 50 ft. over a gentle S. slope.

Chains	
8.50	Wash, 3 ft. deep, 30 lks. wide, drains S. 20° W.; asc. 35 ft. over S. slope.
15.60	Recross wash, drains S. 20° E.; asc. 30 ft.
17.50	Recross wash, drains SW.; asc. 95 ft. along a SE. slope.
40.00	Point for the ¼ sec. cor. of secs. 31 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to solid rock, and in a mound of stone, 3½ ft. base to top, with br cap mkd.
	T35½S R12E ¼ S31 | S32 1957
	Deposit a sandstone, 4x3x2 ins., mkd. with a cross (X) at the base of the post.
	Desc. 20 ft. along a NE. slope.
45.00	Recross wash, drains SE.; asc. 100 ft. along a SW. slope.
78.50	Recross wash, drains SW.
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 solid rock, and in a mound of stone, 4 ft. base to top, with br cap mkd.
	T35½S R12E S30 | S29 S31 | S32 1957
	Deposit a sandstone, 4x4x4 ins., mkd. with a cross (X) at the base of the post.
	Land, rolling desert bench. Soil, rocky, sandy clay. Timber, none; undergrowth, medium black brush, widely scattered yellow brush, rabbit brush, mountain rush, cacti, grass and weeds.
	Beginning at the cor. of secs. 28, 29, 32 and 33.
	S. 89° 59' W., bet. secs. 29 and 32.
	Over rolling desert bench land, through medium undergrowth.
	Desc. 30 ft. over a W. slope.
1.00	Draw, drains SW.; asc. 50 ft. over a SE. slope.
9.70	Top of rise, out of draw, thence over bench land sloping to the S.
19.70	Wash, 2 ft. deep, 30 lks. wide, drains SW.
40.01	Point for the ¼ sec. cor. of secs. 29 and 32.
	Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to solid rock, and in a mound of stone, 3 ft. base to top, with br cap mkd.

Portion of the Subdivision of T. 35½ S., R. 12 E.

Chains	
	T35½S R12E ½ S29/S32 1957
	Deposit a sandstone, 5x4x3 ins., mkd. with a cross (X) at the base of the post.
	Continue across rolling bench land.
56.40	Wash, 2 ft. deep, 30 lks. wide, drains SW.
79.30	Wash, 3 ft. deep, 30 lks. wide, drains SW.
80.02	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling desert. Soil, rocky, sandy clay Timber, none; undergrowth, medium black brush, scattered yellow brush, mountain rush, cacti, grass and weeds.

GENERAL DESCRIPTION

The land in this township varies from gently rolling desert bench land in the south and west to badly broken desert in the east and north. The south and west portions of the township drain in a southerly direction. The north and east portions of the township drain into Ticaboo Canyon, which drains east through the center of the township into the Colorado River, which is about 4 miles east of the township. The soil is principally a sandy clay, with a large amount of exposed, broken and eroded sandstone in the north and east portions of the township. There is a scattered growth of dwarf juniper and pinion over most of the township. The undergrowth is mainly black brush, with lesser amounts of bitter brush, mountain rush, cacti, grass and weeds. There are no permanent habitants in the township. A considerable amount of prospecting for fissionable minerals has been and to some extent is still being carried on in the area.

Chains

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Max E. Swindle	Principal Assistant
James R. Munson	Chainman
Ortho J. Hatch	Flagman
Clement J. Davis	Axeman
Parley Pratt	Cornerman

16—63565-3

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor tha

pursuance of special instructions bearing date of the 13th day of May, 1

I have surveyed a portion of the subdivision of Township 35½ South, Range 12 East

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 fo

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

field notes.

March 25, 1958

Salt Lake City, Utah

Fred R. Chappell

Fred R. Chappell - Cadastral Survey

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19

~~The foregoing field notes of the survey of~~

executed by

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

Chief, Division of Cadastral Engineeri

CERTIFICATE OF TRANSCRIPT

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

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

Chief, Division of Cadastral Engineeri

U. S. GOVERNMENT PRINTING OFFICE 16—[illegible]

4-660
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—52565-2

408

CERTIFICATE OF CADASTRAL ENGINEER

I, Vern E. Lane, HEREBY CERTIFY upon honor tha

pursuance of special instructions bearing date of the 13th day of May 19

I have ~~personally~~ supervised the survey of a portion of the subdivision of Township

South, Range 12 East

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

represented in the foregoing field notes as having been executed under my supervision ; and

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

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

field notes.

March 25, 1958

Salt Lake City, Utah

Vern E. Lane

Vern E. Lane - Cadastral Surveyor

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 30 1958, 19

The foregoing field notes of the survey of a portion of the subdivision of Township 3

South, Range 12 East, Salt Lake Meridian, Utah

executed by Fred R. Chappell, under the supervision of Vern E. Lane

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

Earl G Harrington

Cadastral Engineering Staff Offi

CERTIFICATE OF TRANSCRIPT

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

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

~~Cadastral Engineering Staff Offi~~

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

Blank

Page

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Independent Resurvey and Survey

of

Portions of the Seventh Standard Parallel South in Range 13 East

the

Survey of the West Boundary and a portion of the Subdivision

of

Township 35½ South, Range 13 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Fred R. Chappell, Cadastral Surveyor

Robert C. Yundt, Cadastral Surveyor (Chief of Party)

Under special instructions dated May 13, *1956, which provided for the surveys included under Group No.* 401 Utah, *approved* July 5, 1956 *and assignment instructions dated* May 1, *19*56

Survey commenced July 2, *19* 56

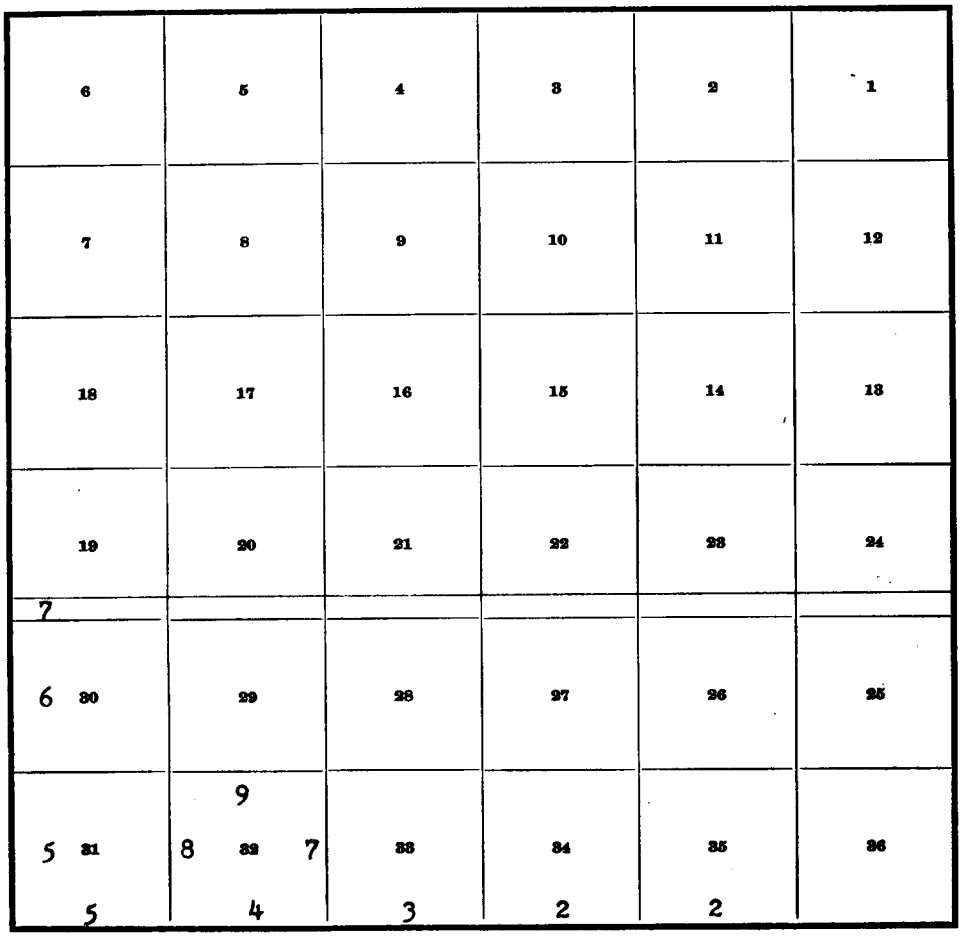
Survey completed July 16, *19* 56

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

411

INDEX DIAGRAM

Township 35½ South, *Range* 13 East



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
7					
6 30	29	28	27	26	25
5 31 5	9 8 32 7 4	33 3	34 2	35 2	36

16—56770-1

2

Township 35½ South, Range 13 East

Chains

The north boundary of Township 35½ South, Range 13 East of the Salt Lake Meridian, Utah, was surveyed concurrently under Group 389 and is described in the field notes of the survey of T. 35 S., R. 13 E. The east boundary and sec. 36 were surveyed by Cannon G. Parkinson, in 1955. The field notes of the east boundary are contained in the survey record of T. 35 S., R. 14 E. The east two miles and 68.34 chs. of the south boundary, or the Seventh Standard Parallel South were surveyed by Robert C. Yundt in 1930. The following field notes are those of the independent resurvey of a portion of the south boundary, the survey of the west boundary, a portion of the south boundary, and a portion of the subdivision of T. 35½ S., R. 13 E. The corners along the latitudinal lines were established at the true latitudinal curve, and all corners of the subdivision are established at points calculated to be in the same position they would occupy if the township had been completely subdivided.

The survey was executed with a Buff and Buff solar transit number 26066, being the property of the Bureau of Land Management and constructed in accordance with their standard specifications. The instrument has a full vertical circle and improved type solar attachment. The horizontal plate has two double verniers placed opposite to each other, and the vertical circle has one double vernier. All verniers of the transit and solar attachment are graduated to single minutes of arc. Since the solar attachment was not used, no description of it will be included here. The instrument was in good adjustment, and prior to the beginning of the field work it was examined and all errors eliminated. It was maintained in good adjustment during the survey.

The geographic position of the southeast corner of the township, as shown on the plat of sec. 36, is as follows: Latitude 37° 41' 03.9" North and Longitude 110° 25' 48.7" West. The mean magnetic declination was found to be 15° 00' East.

The directions of the lines of the 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 as transit lines and checked by succeeding observations.

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

Independent Resurvey of a Portion of the Seventh Standard Parallel South, or the South Boundary of T. 35½ S., R. 13 E.

Note: as the west half of the south boundary of sec. 35, T. 35½ S., R. 13 E., is found out of limits in measurement, I independently resurvey that portion of the Seventh Standard Parallel South, from the standard ¼ sec. corner of sec. 35 west to the meander corner of sec. 34, T. 35½ S., R. 13 E. on the left bank of the Colorado River.

Independent Resurvey of the Seventh Standard Parallel South in Range 13 East

Chains	
	From the standard ¼ sec. cor. of sec. 35, mkd. by an iron post, 1 in. diam., set, mkd. and witnessed as described in the official record.
	Thence
	West along the south boundary of sec. 35.
	Over rough desert land, through medium undergrowth; desc. 235 ft.
25.10	Spur, slopes south; continue descent over a west slope.
40.00	Point for the standard cor. of secs. 34 and 35.
	Set an iron post, 36 ins. long, 2 ins. diam., 12 ins. in the ground to solid rock and in a mound of stone, with brass cap mkd.
	SC T35½S R13E S34 | S35 1930
	Deposit a sandstone rock, 5x4x2 ins., mkd. with a cross (x), at the base of the post.
	Land, rough desert. Soil, sandy clay, with exposed sandstone. No timber. Undergrowth, black brush, bitter brush, mountain rush and grass.
	West, along the south boundary of sec. 34.
	Over rough and broken desert land, through medium undergrowth, descer over a west slope.
1.44	Intersect the original standard cor. of secs. 34 and 35, mkd. by an iron post, 2 ins. in diam., conforming to the record. I remove the iron post and destroy all other evidence of this corner.
9.00	Begin steeper descent along the westerly edge of Mancos Mesa; desc. 170 ft.
29.70	Left rim of Colorado River Canyon, 250 ft. high, bears N.E. and S.W. abrupt descent over ledges.
40.00	Point for the standard ¼ sec. cor. of sec. 34.
	Over a cross (x) cut in solid sandstone, set an iron post, 36 ins. long, 1 in. in diameter, in a large mound of stone, with brass cap m
	SC ¼ S34 1930
41.44	Intersect the original standard ¼ sec. cor. of sec. 34, mkd. by an iron post, 36 ins. long, 1 in. in diameter, conforming to the record I remove the iron post and destroy all other evidence of this cor.
43.90	Desc. 255 ft. over a series of blue clay spurs and draws putting to the S.W.
58.70	Road, bears N. and S.
67.30	Enter dense Tamerisk and willows.

Independent Resurvey of the Seventh Standard Parallel South in Range 13 East

Chains	
68.34	Point for the original meander cor. at record distance, west of the standard ¼ sec. cor. of sec. 34. There is no remaining evidence of the original cor.
	End of Independent resurvey. Thence with the original survey of the Seventh Standard Parallel South.
	Continuing same bearing and measurement.
71.30	Left bank of Colorado River, course S.
	Point for the meander cor. of sec. 34.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.
	T35½S R13E SMC | C S34
	1956
80.00	Point for the standard cor. of secs. 33 and 34, falls in the Colorado River.
	Land, rough broken desert. Soil, clay and sandy clay, with exposed sandstone and sandstone ledges. Timber, cottonwood trees along the bank of the river. Undergrowth, shadscale, greasewood, tamerisk and willows.

Counting distance from the true point for the standard cor. of secs. 33 and 34.

West, along the south boundary of sec. 33.

Over rough broken desert land, through scant undergrowth.

.48	Right bank of the Colorado River, course S.
	Point for the meander cor. of sec. 33.
	Set an iron post, 30 ins. long, 2½ ins. diam., 26 ins. in the ground, with brass cap mkd.
	T35½S R13E SMC S33 |
	1956
	from which
	A cottonwood 30 ins. diam., bears S. 03° E. .29 lks. distant, mkd. B. T.
	From this point U.S.L.M. No. 2, White Canyon Mining District, mkd. by a sandstone rock showing 2½x20x6 ins. above ground, firmly set and mkd. as described in the official record bears S. 20° 57' W. 165.74 chs. distant; also cor. No. 2 of the pioneer lode claims survey No. 3523 mkd. by a decayed cottonwood post set in the ground and in a mound of stone, bears S. 46° 14' W. 27.11 chs. distant.
	Asc. 55 ft. over a gentle east slope.
24.00	Enter broken land; asc. 240 ft. over an east slope.

Survey of the Seventh Standard Parallel South in Range 13 East.

Chains	
40.00	Point for the standard ¼ sec. corner of sec. 33. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. SC ¼ S33 1956 Deposit a sandstone rock, 4x4x2 inches, mkd. with a cross (x), at the base of the post. Asc. 280 ft. over a broken and ledgy east slope.
50.00	Right rim, of Colorado River Canyon, bears north and south, thence over gently rolling land of Good Hope Mesa.
80.00	Point for the standard cor. of secs. 32 and 33. In a cove, with high sandstone ledges on the north, west and south. Over a cross (x) cut in solid sandstone, set an iron post, 36 ins. long, 1 in. diam., in a large mound of stone, with brass cap mkd. SC T35½S R13E S32 | S33 1956 Land, rolling and broken desert. Soil, sand and sandy clay, with exposed sandstone. Timber, a few cottonwood trees, along the bank of the river. Undergrowth, black brush, bitter brush, mountain rush and medium grass.
	West, along the south boundary of sec. 32. Asc. 390 ft. over a series of extremely rough sandstone spurs, ribs, knobs and crevices.
29.70	Top of a sandstone butte, continue over broken sandstone.
40.00	Point for the standard ¼ sec. cor. of sec. 32, falls on the steep slope of a sandstone rib where the cor. cannot be perpetuated.
49.34	Point for the standard witness ¼ sec. cor. of sec. 32. On a sandstone knob, cement a brass tablet, 3½ ins. diam. with a 3 in. stem, in a hole drilled in solid sandstone, and mkd. SC WC ¼S32 1956
63.65	On a sandstone rib, projecting S. 40° E. Cement a brass tablet, 3½ ins. diam. with a 3 in. stem, in a hole drilled in solid sandstone, as a witness point of sec. 32, with top mkd. T35½S R13E WP S32 1956

U. S. GOVERNMENT PRINTING OFFICE 16—28630-2

Survey of the Seventh Standard Parallel South in Range 13 East

Chains	
80.00	Point for the standard cor. of secs. 31 and 32, falls in an inacessible sandstone draw where the corner cannot be perpetuated.
	Land, badly broken desert. Soil, barren sandstone with sand in the crevices and pockets. No timber. Undergrowth, very scant mountain rush, bitter brush and grass.
	West, along the south boundary of sec. 31.
	Counting distance from the true point for the standard cor. of secs. 31 and 32.
	Over broken desert land, through scant undergrowth, across a series of sandstone spurs, ribs and knobs, putting to the south.
35.25	Point for the standard cor. of T. 35½ S., Rs. 12 and 13 E.
	In a sand pocket between two sandstone ribs.
	Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd. SC T35½S R12E R13E S36 | S31 1956
	Raise a mound of stone 3 ft. base, 2½ ft. high north of the post.
	Land, badly broken desert. Soil, barren sandstone, sandy loam. No timber. Undergrowth, very scant bitter brush and grass.
	Survey of the West Boundary of T. 35½ S., R. 13 E.
	Beginning at the standard cor. of T. 35½ S., Rs. 12 and 13 E.
	Thence
	North, between secs. 31 and 36.
	Over broken desert land, through scant undergrowth; asc. 450 ft. over a series of sandstone, spurs, ribs, knobs and crevices.
26.10	South rim of Ticaboo Mesa, bears E. and W., thence over gently rolling mesa top.
40.00	Point for the ¼ sec. cor. of secs. 31 and 36.
	Set an iron post, 36 ins. long, 1 in. diam., 15 ins. in the ground and in a large mound of stone, with brass cap mkd. ¼ S36 | S31 1956
	Deposit a sandstone rock, 5x3x3 ins. mkd. with a cross (x), at the base of the post.
	From this point, bench mark No. PP9-52A bears S. 29° 31' W. 6.57 chs. distant.

117

Survey of the West Boundary of T. 35½ S., R. 13 E.

Chains	
	North rim of Ticaboo Mesa; desc. 800 ft. over a series of ledges facing N.
80.00	Point for the cor. of secs. 25, 30, 31 and 36, falls on a steep sandstone slope where the cor. cannot be perpetuated.
	Land, rough broken desert. Soil, exposed sandstone, with some sandy clay. No timber. Undergrowth, scant black brush, mountain rush and grass.
	North, between secs. 25 and 30.
	Over broken desert land, through scant undergrowth.
1.20	Point for the witness cor. of secs. 25, 30, 31 and 36.
	On a small sandstone shelf projecting northwest.
	Cement a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone, with brass cap mkd.
	T35½S R12E R13E S25 S30 S36 S31 W C 1956
	No accessories available.
	Desc. 400 ft. over a series of ledges and small benches, facing to the N.
32.20	Bottom of fork of Ticaboo Canyon 1 ch. wide, drains N.E. from W.
	Asc. 170 ft. over a broken S.E. slope.
40.00	Point for the ¼ sec. cor. of secs. 25 and 30, falls on a sandstone ledge where the corner cannot be perpetuated.
40.50	Point for the witness ¼ sec. cor. of secs. 25 and 30.
	Over a cross (x) cut in solid sandstone, set an iron post, 30 ins. long, 2½ ins. diam., in a large mound of stone, with brass cap mkd.
	¼ S25 S30 W C 1956
	Asc. 100 ft. over a broken S.E. slope.
47.50	Spur, projects N.E.; desc. 200 ft.
52.00	Ticaboo Canyon, drains E. from N.W.; asc. 450 ft. over a series of ledges facing S.W.
77.20	Top of sandstone knobs; desc. 170 ft. over a 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., 12 ins. in the ground and in a mound of stone, with brass cap mkd.
	T35½S R12E R13E S24 S19 S25 S30 1956

Survey of the West Boundary of T. 35½ S., R. 13 E.

Chains	
	Deposit a sandstone rock, 4x4x2 ins. mkd. with a cross (x), at the base of the post.
	Land, broken desert. Soil, sandy clay, with exposed and broken sandstone. Undergrowth, scant black brush, bitter brush, mountain rush and grass.
	North, between secs. 19 and 24.
	Over broken desert land, through scant undergrowth; desc. 80 ft.
2.19	The original standard cor. of T. 35 S., Rs. 12 and 13 E., mkd. by an iron post, 2½ ins. diam., conforming to the record. This cor. now stands for secs. 19 and 24 in T. 35½ S., Rs. 12 and 13 E., and I remark the post as follows. SC T35S R12E R13E S36 | S31 S24 | S19 T35½S R12E R13E 1956.
	Land, broken desert. Soil, sandy clay. Undergrowth, black brush and grass.

Survey of the Subdivision of T. 35½ S., R. 13 E.

	Beginning at the standard cor. of secs. 32 and 33 on the south boundary of the township.
	Thence
	N. 0° 03' W. between secs. 32 and 33.
	Over broken desert land, through scant undergrowth; asc. 140 ft. over ledges facing to the S.E.
10.20	Sandstone spur, projects E.; desc. 280 ft. over a broken N. slope.
31.50	Bench, sloping gently to the N.; desc. 40 ft.
40.00	Point for the ¼ sec. cor. of secs. 32 and 33.
	Set an iron post, 36 ins. long, 1 in. diam., 8 ins. in the ground to solid rock, and in a mound of stone, with brass cap mkd. ¼ S32 | S33 1956
	Deposit a sandstone rock, 4x4x2 ins. mkd. with a cross (x), at the base of the post.
41.30	South rim, of Ticaboo Canyon, bears S.E. and N.W.; desc. 560 ft. over ledges into Ticaboo Canyon.
80.00	Point for the cor. of secs. 28, 29, 32 and 33.

119

Survey of the Subdivision of T. 35½ S., R. 13 E.

Chains

Set an iron post, 36 ins. long, 1 in. diam., 30 ins. in the ground with brass cap mkd.

T35½S R13E
S29 | S28
S32 | S33

1956

from which

A cottonwood 12 ins. diam., bears N. 24° 15' E. 1.17 lks. distan mkd. T35½S R13E S28 BT.

A cottonwood 16 ins. diam., bears S. 85° 30' W. 1.90 lks. distan mkd. T35½S R13E S32 BT.

Land, broken, with flat land in the bottom of Ticaboo Canyon.
Soil, sandy clay loam to barren sandstone.
Timber, a few cottonwood trees in the canyon bottom.
Undergrowth, mountain rush, bitter brush, rabbit brush, black brush and grass.

Beginning at the standard cor. of secs. 31 and 32 on the south bdy. of the township.

Thence

N. 0° 03' W. between secs. 31 and 32.

Over rough broken desert land, through very scant undergrowth; asc. 640 ft. over a series of sandstone spurs, ribs, knobs and crevices.

40.00 Point for the ¼ sec. cor. of secs. 31 and 32, falls on a steep sandstone slope where the corner cannot be perpetuated. Therefore, at a point 45 lks. E.

Cement a brass tablet, 3½ ins. diam., with a 3 in. stem, in a hole drilled in solid sandstone, for the witness ¼ sec. cor. of secs. 31 and 32, with cap mkd.

¼
W C
S31 | S32

1956

A cross (x) cut in solid sandstone, bears N. 1 lk. distant.

Asc. 130 ft. over a broken S.E. slope.

49.50 Sandstone spur, projects N.E.; desc. 600 ft. over a series of sandstone ribs, knobs and crevices.

80.00 Point for the cor. of secs. 29, 30, 31 and 32, falls in a crevice between two sandstone ribs, where the cor. cannot be perpetuated, therefore at a point 3.10 chs. S.89° 59'E. on top of a sandstone r

Cement a brass tablet, 3½ ins. diam., with a 3 in. stem in a hole drilled in solid sandstone, for the witness cor. of secs. 29, 30, 31 and 32, with cap mkd.

T35½S R13E
S30 | S29
S31 | S32
W C
1956

Chains

A cross (x) cut in solid sandstone bears North, 1 lk. distant.

Land, badly broken desert Mesa top.
Soil, some sandy clay, with the greater part barren sandstone.
No timber.
Undergrowth, very scant bitter brush and grass.

Beginning at the cor. of secs. 28, 29, 32 and 33.

Thence

N. 89° 59' W. between secs. 29 and 32.

Over flat canyon bottom land, through scattered cottonwood and medium dense undergrowth.

14.70 Stream of water in bottom of canyon, 4 ins. deep, 2 ft. wide, flows N. 85° E.; asc. along the north side of Ticaboo Canyon 160 ft.

25.60 Rocky spur, projects S. 10° E.; desc. 130 ft.

35.30 Recross canyon bottom stream, flows S. 30° E.

39.98 Point for the ¼ sec. cor. of secs. 29 and 30.

Set an iron post, 36 ins. long, 1 in. diam., 20 ins. in the ground and in a mound of stone, with brass cap mkd.

¼S29
S32
1956

A cottonwood 8 ins. diam., bears S. 37° 15' E. 35 lks. distant, mkd. ¼ S32 BT.

Asc. 400 ft. over ledges facing to the east.

48.50 Rim, bears N. and S., thence across a series of sandstone ribs, spurs, knobs and crevices.

76.86 The witness cor. of secs. 29, 30, 31 and 32.

79.96 True point for the cor. of secs. 29, 30, 31 and 32.

Land, rolling and broken desert.
Soil, sandy clay loam, with exposed barren sandstone.
Timber, a few cottonwood in the canyon bottom.
Undergrowth, medium dense black brush, greasewood, mountain rush, bitter brush and grass, in the canyon bottom.

General Description

The land in this fractional township varies from the badly broken and rolling desert Mesa land, on the east and west sides of the Colorado River, which flows in a southerly direction through the center of the township, to a narrow strip of bench land adjoining the river. The township is cut by the steep sided Ticaboo Canyon in the western portion and by Red Canyon in the eastern. The drainage is all into the Colorado River. The soil is principally a sandy clay loam, with a large amount of exposed sandstone. There is a scattered growth of cottonwood along the river and in Ticaboo Canyon. The undergrowth is mainly black brush, with lesser amounts of gramma grass, bitter brush, mountain rush and weeds. There are no permanent habitations in the township. A considerable amount of prospecting for fissionable minerals has been and to some extent, is still being carried on in the area.

Chains

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Neil R. Forsyth	Principal Assistant
Paige L. Cannon	Chainman
Rulon S. Ellett	Flagman
Henry B. Pedersen	Axeman
Richard R. Torgeson	Axeman
Vergean Porter	Cornerman

16—83565-2

123

CERTIFICATE OF CADASTRAL ENGINEER

I, Fred R. Chappell, HEREBY CERTIFY upon honor that, pursuance of special instructions bearing date of the 13 day of May, 19 I have ~~surveyed~~ independently resurveyed and surveyed portions of the Seventh Stand Parallel South in Range 13 East, and surveyed the west boundary and a portion of the Subdivision of T. 35½ S., R. 13 E.

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

Salt Lake City, Utah
June 17, 1957

Fred R. Chappell

Fred R. Chappell, Cadastral Surveyo

~~CERTIFICATE OF APPROVAL~~

BUREAU OF LAND MANAGEMENT,

Washington, D. C., _____, 19__

The foregoing field notes of the survey of _____

executed by _____

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

Chief, Division of Cadastral Engineering

CERTIFICATE OF TRANSCRIPT

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

Chief, Division of Cadastral Engineering

U. S. GOVERNMENT PRINTING OFFICE 16—68360-2

4-680
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY

16—53565-2

425

CERTIFICATE OF CADASTRAL ENGINEER

I, Robert C. Yundt, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 13 day of May, 19

I have ~~surveyed~~ supervised the independent resurvey and survey of portions of the

Seventh Standard Parallel South in Range 13 East, and survey of the west boundar

and a portion of the Subdivision of T. 35½ S., R. 13 E.

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

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

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

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

field notes.

Salt Lake City, Utah

June 17, 1957

Robert C. Yundt, Cadastral Surve

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., SEP 9 1957, 19

The foregoing field notes of the ~~survey of~~ independent resurvey and survey of portions

the Seventh Standard Parallel South in Range 13 East, and survey of the west boun

and a portion of the Subdivision of T. 35½ S., R. 13 E. SLM, Utah

executed by Fred R. Chappell under the supervision of Robert C. Yundt

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

Chief, Division of Cadastral Engineering

Acting Cadastral Engineering Staff O

CERTIFICATE OF TRANSCRIPT

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

, is a true copy of the original field notes.

Chief, Division of Cadastral Engineerin

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

ORIGINAL

4—679
(September 1948)

42

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

of the

Survey of a Portion of the Subdivision

of

Township 35½ South, Range 13 East

Of the Salt Lake *Meridian,*

In the State of Utah

EXECUTED BY

Cannon G. Parkinson, Cartographer (Cadastral)

Under special instructions dated March 17, *19* 55, *which provided for the surveys included under Group No.* 400, *approved* April 4, 1955 *and assignment instructions dated* March 30, *19* 55

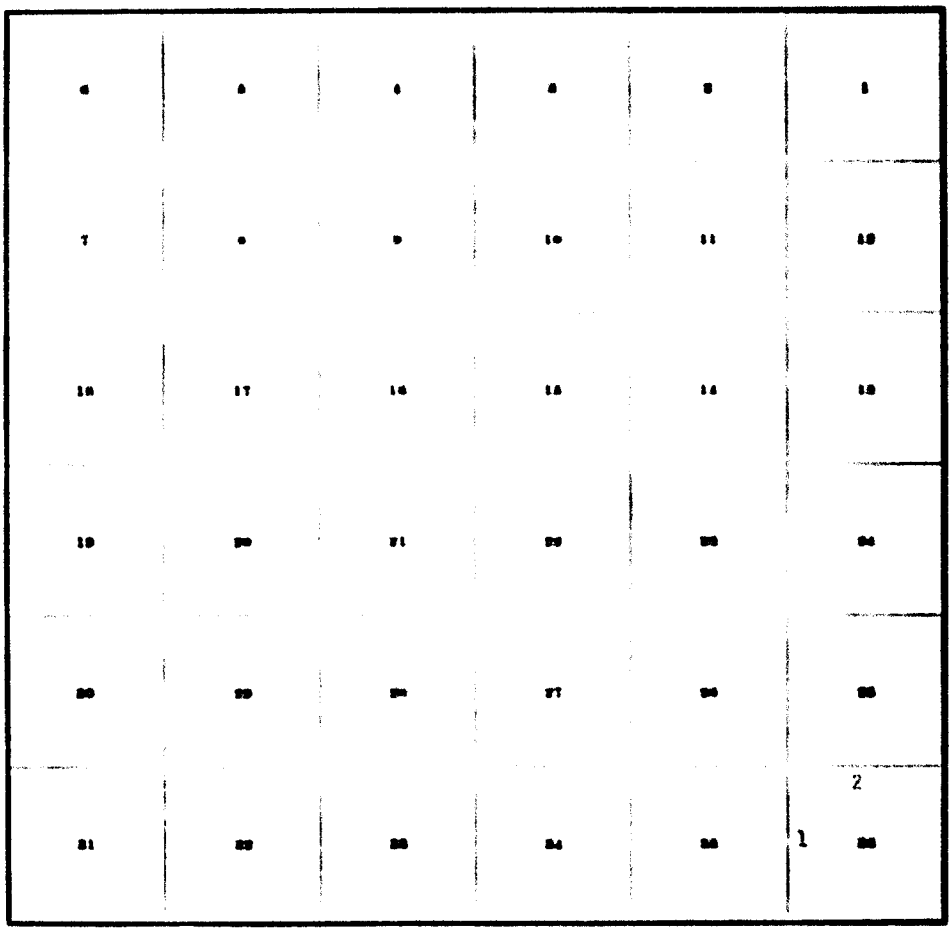
Survey commenced May 25, *19* 55

Survey completed May 27, *19* 55

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

INDEX DIAGRAM

Township 38S South , *Range* 12 East



T. 35½ S., R. 13 E.

Chains

A portion of the south boundary of the township, the Seventh Standard Parallel South, was surveyed by R. C. Yundt in 1931. The east boundary of the township was surveyed concurrently with the survey of this township and is described in the field notes of T. 35 S., R. 14 E.

The following field notes are those of a portion of the subdivision of T. 35½ S., R. 13 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with a Buff & Buff solar transit No. 23815, constructed in accordance with standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work. It was tested and checked frequently during the progress of the survey.

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

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

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

The geographic value for the southeast corner of T. 35½ S., R. 13 E., is latitude 37° 41' 03.9" N., longitude 110° 25' 48.7" W., as determined by traverse from U.S.G.S. triangulation station "Mine," situated in section 31, T. 33 S., R. 15 E.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be 15° 00' E.

Portion of the Subdivision, T.35½ S.,R.13 E.

Beginning at the standard cor. of secs. 35 and 36 on the S. bdy. of the township, which is monumented by an iron post, 2 ins. in diam., firmly set, marked, and witnessed as described in the official record.

N. 0° 01' W., bet. secs. 35 and 36. By triangulation.

Subdivision, T. 35½ S., R. 13 E.

Chains	
	Over broken land through thinly scattered scrub juniper; asc. 40 ft. over steep W. slope.
6.50	Wash, drains S. 30° W.; asc. about 420 ft. over cliff on steep SE. slope.
13.00	Top of steep ascent, bears N. 60° E. and S. 60° W.; asc. 280 ft. al broken SE. slope. End triangulation.
40.00	Point for the ¼ sec. cor. of secs. 35 and 36.
	Set an iron post, 18 ins. long, 1 in. diam., over a cross (X) on solid sandstone, and in a mound of stone, 3 ft. base, 1 ft. high, with brass cap mkd.
	¼ S35 | S36 1955
	Continue over rolling and broken top of mesa, desc. 30 ft. along NW. slope.
54.30	Wash, 15 lks. wide, 2 ft. deep, drains S. 50° W.; asc. 60 ft. over S. slope.
67.40	Top of ascent, bears NE. and SW.; desc. 40 ft. along NW. slope.
80.00	Point for the cor. of secs. 25, 26, 35, and 36.
	Set an iron post, 18 ins. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a stone collar, 2 ft. base, to top of post, with brass cap mkd.
	T35½SR13E S26 | S25 S35 | S36 1955
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of the iron post
	Land, rolling and broken top of Mancos Mesa. Soil, shallow sand and considerable exposed sandstone. Timber, thinly scattered scrub juniper.

From the true point for the cor. of secs. 25, 30, 31, and 36, on the E. bdy.

S. 89° 58' W., bet. secs. 25 and 36.

1.67	The witness cor. of secs. 25, 30, 31, and 36, firmly set, marked, and witnessed as described in the field notes of the survey of the W. bdy. of T. 35 S., R. 14 E.
	Over rolling and broken top of Mancos Mesa, through thinly scattered scrub juniper; asc. 20 ft. over E. slope.
8.20	Top of ascent, bears N. and S.; desc. 120 ft. along NW. slope.
39.99	Point for the ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 36 ins. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 2 ft. base, to top of post, with brass cap mkd.

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

Subdivision, T. 35½ S., R. 13 E.

Chains	
	$\frac{1}{4}$ S 25 / S 36
	1955
	Continue over rolling and broken top of Mancos Mesa; desc. 70 ft. over slight W. slope.
48.00	Head of wash, 30 lks. wide, 5 ft. deep, drains S. 70° W.; asc. 30 ft. over E. slope.
56.60	Top of ascent, bears NE. and SW.; desc. 110 ft. along NW. slope.
79.98	The cor. of secs. 25, 26, 35, and 36.
	Land, rolling and broken top of Mancos Mesa. Soil, shallow sand and considerable exposed sandstone. Timber, thinly scattered scrub juniper.

General Description

Sec. 36, the only portion of T. 35½ S., R. 13 E., covered in these field notes, is the subject of this description.

It lies on the northern most portion of Mancos Mesa. Elevations vary from about 4,000 ft. to 5,054 ft. above sea level.

Drainage is oriented southwesterly by means of relatively shallow washes which empty into deep canyons southwest of the section boundary.

Access to the top of this portion of the mesa is by means of a horse trail, leading from an air strip north of Ticaboo Number 1 Rapids on the Colorado River. From the air strip the trail leads southerly to the top of the mesa, northwest of section 36.

Timber is limited to thinly scattered scrub juniper. A fair supply of native grasses is also found.

No permanent sources of water were found.

Soil is shallow sand with considerable exposed sandstone.

Blank

Page

4-[illegible]
(Feb., 1950)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Gerald W. Hansen	Chainman
Clyde C. Nielson	Chainman
Max E. Swindle	Flagman
Paul D. Hansen	Cornerman
Peter K. Monson	Axeman

16—53565-2

433

CERTIFICATE OF CADASTRAL ENGINEER

I, Cannon G. Parkinson, HEREBY CERTIFY upon honor that,

pursuance of special instructions bearing date of the 17th day of March, 19

I have surveyed a portion of the subdivision of Township 35½ South, Range 13 East

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

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

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

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

field notes.

March 20, 1956

Salt Lake City, Utah

Cannon G. Parkinson

Cartographer, (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 6 1956, *19*

The foregoing field notes of the survey of a portion of the subdivision of

Township 35½ South, Range 13 East, Salt Lake Meridian, Utah.

executed by Cannon G. Parkinson, Cartographer (Cadastral)

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

Earl G. Harrington

Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

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

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

~~*Cadastral Engineering Staff Officer.*~~

U. S. GOVERNMENT PRINTING OFFICE 16—53865-3