

Book "D"

4157

4-679
(April 1933)

BOOK 4157

FIELD NOTES

OF THE SURVEY OF

10th STANDARD PARALLEL NORTH, THRU PART OF R. 8 E.

WEST BOUNDARY,

NORTH BOUNDARY,

PART OF SUBDIVISION LINES OF,

and TRAVERSE OF RIGHT OR WEST RIM OF GLEN CANYON OF THE

COLORADO RIVER THRU PART OF,

TOWNSHIP 41 NORTH, RANGE 8 EAST

Of the GILA AND SALT RIVER Meridian,

In the State of ARIZONA

EXECUTED BY

Benjamin J. Kinsey, Surveyor

and

Elliott Pearson, Transitman (P.W.)

supplemental
Under special instructions dated March 27, 1936, which provided
for the surveys included under Group No. 81, Arizona, bearing the approval of the
Commissioner of the General Land Office under date of July 24, 1936
and assignment instructions dated November 9, 1936.

Survey commenced February 4, 1937

Survey completed March 24, 1937

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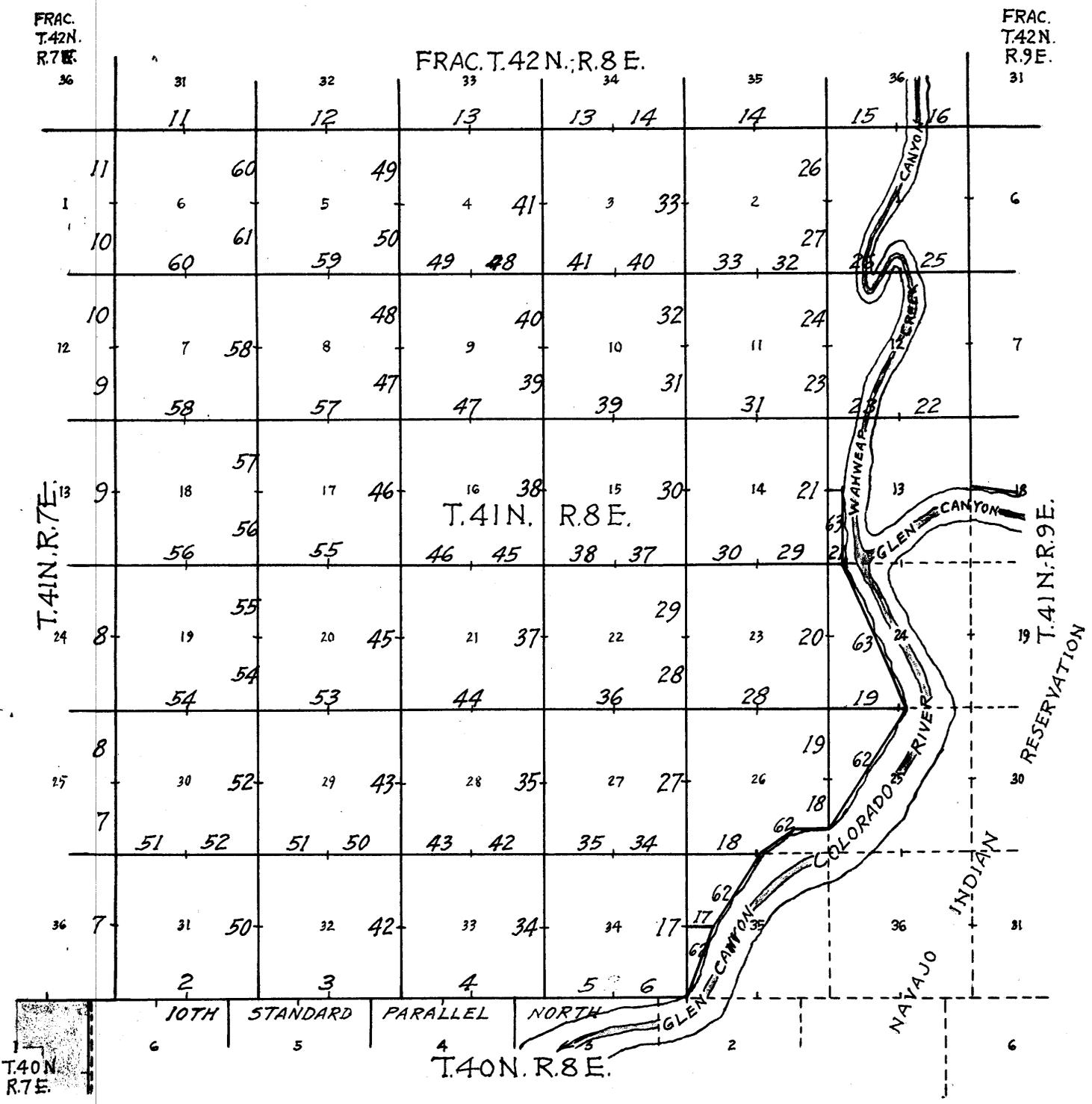
INDEX DIAGRAM.

Township _____, Range _____

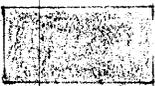
6	5	4	3	2	1
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~INDEX-DIAGRAM~

BOOK 4157



- Lines of accepted surveys.
- - - Unserved lines.
- Lines surveyed under this group.
- - - Lines resurveyed under this group.

 Areas surveyed as per accepted plats on file.

The surveys herein described, were executed by Benjamin J. Kinsey, Surveyor and Elliott Pearson, Transitman (P.W.), both using Buff transit No. 18,000. The instrument is equipped with the Smith solar attachment and otherwise conforms to the standard requirements of the General Land Office.

Test of Buff Transit No. 18,000
by
Benjamin J. Kinsey, Surveyor.

February 3, 1937: at my station at std. cor. of Ts. 41 N., Rs. 7 and 8 E., G. & S.R. Meridian, Arizona, in latitude $36^{\circ}54'08''$ N., and longitude $111^{\circ}34'53''$ W., as determined from data furnished with the Special Instructions. I examine the adjustments of the transit and find no errors; then to test the workings of the solar apparatus proceed as follows:

At 10h.43m., p.m., l.m.t., observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, and marking the mean point in the line thus determined by a tack set in top of a peg, driven firmly in the ground about 5 chs. North.

Azimuth of Polaris at western elongation: $1^{\circ}17'$.

February 4th: at same station above described, lay-off the azimuth of Polaris, $1^{\circ}17'$ to the east, and mark the mean point in the line thus determined by a tack set in top of peg, about 5 chs. North.

At 9h. 00m., a.m., app.t., with the lat. arc set at $36^{\circ}54'$ N., and declination arc set at $16^{\circ}10'$ S., determine a meridian with the solar attachment which agrees with the true meridian.

At 12h. 00m., app. noon, with the lat. arc unchanged, observe the sun on the meridian; the resultant reading of the declination arc is $16^{\circ}08\frac{1}{2}'$ S., which agrees with the computed declination of the sun.

At 3h. 00m., p.m. app.t. with the lat. arc unchanged, set declination arc at $16^{\circ}05\frac{1}{2}'$ S., and determine a meridian with the solar which agrees with the true meridian.

As all of the observations taken during the usual hours of solar work agree within 1' of the true meridian conclude that the adjustments of the instrument are in a satisfactory condition.

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Lufkin standard and found correct.

The measurements are made on the slope, the vertical angles determined with clinometer, and slope measurements properly reduced to horizontal equivalents for entry in the field notes.

SURVEY OF THE 10th. STANDARD PARALLEL NORTH THRU PART OF
RANGE 8 EAST.

2.

Chains	<p>The standard corner of Ts. 41 N., Rs. 7 and 8 E., on the 10th Std. Parallel North, is an iron post, 3 ins. in diam., firmly set and projecting 12 ins. above ground, with brass cap properly marked and witnessed as described in the official record of establishment of same by W. E. Hiester, U.S.S., in 1927.</p> <p>Thence,</p> <p>East, along the S. bdy. of Sec. 31.</p> <p>Over mountainous land, thru scattering timber and undergrowth.</p> <p>Asc. 34 ft. over SW. slope.</p> <p>2.00 Ridge, bears NW. and SE.; desc. 193 ft. over general broken East slope.</p> <p>13.00 Sandstone outcropping, bears N. and S.</p> <p>26.00 Trail, from Lees Ferry, Ariz. to Warm Springs Canyon, Utah, bears N. and S.</p> <p>27.20 Enter sandstone badlands, bears N. and S. From this point a large sandstone water pocket, bears South, about 20 chs. dist.</p> <p>40.00 Top of sandstone butte, 30 ft. high, 10 ft. wide at top, with sharply sloping walls.</p> <p>Set a brass cap, $3\frac{1}{2}$ ins. diam., 3 in. stem, in concrete, in solid rock, for std. $\frac{1}{4}$ sec. cor., with cap marked</p> <p style="text-align: center;">SC <u>$\frac{1}{4}$ S31</u> 1937</p> <p style="text-align: right;">from which</p> <p>A cedar, 8 ins. diam., bears N. 75° E., 262 lks. dist., marked SC $\frac{1}{4}$ S31 BT.</p> <p>A cedar, 10 ins. diam., bears N. 73° W., 334 lks. dist., marked SC $\frac{1}{4}$ S31 BT.</p> <p>Mouth of a large cave, bears N. 61° E., about 4 miles dist., designated "A".</p> <p>Mouth of a large cave, bears N. 26° E., about 2 miles dist., designated "B".</p> <p>Descend 52 ft. over E. slope of sandstone butte.</p> <p>45.20 Wash, 20 lks. wide, course NE.; asc. 14 ft. over NW. slope.</p> <p>51.45 Sandstone spur, slopes NE.; desc. 28 ft. over E. slope.</p> <p>57.15 Wash, 10 lks. wide, course N.; asc. 100 ft. over NW. slope to sec. cor.</p> <p>74.70 Leave sandstone butte formation; enter red, sandy land, bears NE. and SW.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, with a stone $3 \times 3 \times 2$ ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for standard corner of secs. 31 and 32, with brass cap marked</p>
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SURVEY OF THE 10th. STANDARD PARALLEL NORTH THRU PART OF
RANGE 8 EAST.

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3.

Chains

SC	
T41N	R8E
S31	S32

1937

No bearing trees available.
From cor., big cave "B" bears N. 13° E.

Land, mountainous.
Soil, rocky 4th rate.
Timber, scrub cedar and pinyon.
Undergrowth, native weeds, cacti and oak brush.

East, along the S. bdy. of sec. 32.

Over mountainous land, thru scattering undergrowth.

Asc. gradual NW. slope.

8.60 Spur, slopes NE.; desc. 149 ft. over broken E. slope.

24.00 Enter sandstone badlands, bears NE. and SW.

31.35 Wash, 30 lks. wide, course NE.; asc. 20 ft. over NW. slope.

38.00 Sandstone spur, slopes NE.; desc. 14 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., over 3 in. cross (+) chiseled in exposed surface rock and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC	
$\frac{1}{4}$ S32	

1937

Desc. 98 ft. over broken rough SE. slope.

55.30 Wash, 30 lks. wide, course NE.; asc. 88 ft. over NW. slope.

71.05 Top of jagged, narrow sandstone spur, breaks abruptly in drop over vertical wall for 50 ft. to N. Desc. 23 ft. over broken NE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for standard corner of secs. 32 and 33, with brass cap marked

SC	
T41N	R8E
S32	S33

1937

raise a mound of
stone 4 ft. base, 2 ft. high, N. of cor.

Land, mountainous.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, native weeds, oakbrush and cacti.

SURVEY OF THE 10th STANDARD PARALLEL NORTH THRU PART OF
RANGE 8 EAST.

4.

Chains	
	East, along the S. bdy. of sec. 33.
	Over mountainous land, thru scattering undergrowth.
	Asc. gradually over broken N. slope.
13.80	Spur, slopes N.; desc. 100 ft. over bare, sloping rock to
31.89	Right or west rim of canyon, brs. NW. and SE. Set flag "A" for triangulation across canyon ahead. Continue chaining. Desc. 528 ft. over precipitous NE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for standard $\frac{1}{4}$ sec. cor., with brass cap marked
	SC $\frac{1}{4}$ S 33 1937
	Desc. 124 ft. over E. slope.
49.60	Wash, 100 lks. wide, course SE., in bottom of canyon. Discontinue chaining owing to cliffs ahead facing SW., and triangulate measurement on the Parallel across cliffs as follows:
	Set flag "B" ahead on parallel beyond the left rim of canyon, the vertical angle to which from "A" is -0° . From point "B" chain a base N. $0^\circ 2' W.$, 40.00 chs. to point "C" from which flag "A" bears S. $49^\circ 39' W.$, Included angles of the triangle "A-B-C" are $40^\circ 21'$, $89^\circ 58'$ and $49^\circ 41'$, the sum of which is $180^\circ 00'$.
	Dist. on parallel from std. cor. of secs. 32 and 33 to triangulation point "A" = 31.89 chs. East
	Triangulated dist. from "A" to "B" = 47.11 chs. East
	Dist. on parallel from std. cor. of secs. 32 and 33 to triangulation point = 79.00 chs. East.
	From triangulation point "B" (79.00 ch. station) chain measurement of 10.40 chs. West to
68.60	Left or east rim of canyon, brs. NW. and SE., about 600 ft. above bottom of canyon.
	Thence, East, along S. bdy. of Sec. 33, resuming chaining and continuing measurement from the std. cor. of secs. 32 and 33.
	Ascend 70 ft. over broken SW. slope to sec. cor.
79.00	Triangulation point "B" continue chaining.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., over a cross (+) 6 ins. long chiseled in exposed surface rock, and in a mound of stone to top, for standard cor. of secs. 33 and 34, with brass cap marked

SURVEY OF THE 10th STANDARD PARALLEL NORTH THRU PART OF
RANGE 8 EAST.

6.

Chains	
40.00	True point for std. $\frac{1}{4}$ sec. cor. of sec. 34 falls on cliff where it is inaccessible and impracticable to monument, therefore establish witness cor. at a point on the parallel 5.20 chs. E. as hereinafter described.
44.00	Left or East rim of canyon, bears N. and S. Thence East, on S. bdy. of sec. 34, resuming chaining and continuing measurement from std. cor. of secs. 33 and 34. Ascend slightly over rolling shelf to
45.20	Set a brass cap, $3\frac{1}{2}$ ins. diam., with 3 in. stem, in concrete, in solid bedrock, for witness cor. to std. $\frac{1}{4}$ sec. cor., with cap marked
	SC <u>WC $\frac{1}{4}$ S 34</u> 1937 raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
45.21	Triangulation point "B". Asc. gradually over broken sandstone formation.
64.00	Spur, slopes S.; desc. 85 ft. over broken SE. slope.
79.70	Right or North rim of Glen Canyon, bears S. 80° W. and NE. Enter Glen Canyon, course SW. Discontinue chaining; measurement to std. sec. cor. point by offset N. $0^{\circ}01'$ W., 0.20 chs. Thence East 0.30 chs. Thence S. $0^{\circ}01'$ E., 0.20 chs. by computation to sec. cor. point.
80.00	True point for std. cor. of secs. 34 and 35, falls on inaccessible position on vertical wall of Glen Canyon, which is 900 feet deep at this point, and where it is impracticable to monument the corner; therefore establish witness cor. thereto at a point on sec. line 0.20 chs. N. $0^{\circ}01'$ W., as hereinafter described.
	Land, mountainous. Soil, rocky 4th rate. Timber, none. Undergrowth, native weeds, cacti and oakbrush.

The survey of the 10th Standard Parallel North in Range 8 East, is discontinued at the true point for std. cor. of secs. 34 and 35, due to the precipitous slopes on the right wall of the Glen Canyon of the Colorado River.

SURVEY OF WEST BOUNDARY OF T. 41 N., R. 8 E.

BOOK 4187

7.

Chains

From standard cor. of Ts. 41 N., Rs. 7 and 8 E., on the 10th Std. Parallel North, hereinbefore described.

North, bet. secs. 31 and 36.

Over mountainous land, thru scattering timber and undergrowth.

Asc. 20 ft. over SW. slope.

3.00 Ridge, bears NW. and SE.; desc. 147 ft. over NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone 5x5x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 |
 S36 | S31
 |
 1937

No bearing trees available.

Desc. 268 ft. over broken N. slope.

75.25 Wash, 30 lks. wide, course E.; asc. 74 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 25, 30, 31 and 36, with brass cap marked

T41N
 R7E | R8E
 S25 | S30
 S36 | S31
 |
 1937

No bearing trees available.

Land, mountainous.

Soil, rocky 4th rate.

Timber, scrub cedar.

Undergrowth, native weeds, oakbrush and cacti.

North, bet. secs. 25 and 30.

Over mountainous land, thru scattering undergrowth.

Desc. 34 ft. over NE. slope.

9.05 Draw, 10 lks. wide, course SE.; asc. 23 ft. over SW. slope.

29.50 Ridge, bears NW. and SE.; desc. 40 ft. over NE. slope to

38.20 Sandstone rim, bears NW. and SE.; desc. 32 ft. over exposed rock to

40.00 Set a brass cap, $3\frac{1}{2}$ ins. diam., with 3 in. stem, in concrete in bedrock, for $\frac{1}{4}$ sec. cor., marked on cap

SURVEY OF WEST BDY. OF T. 41 N., R. 8 E.

8.

Chains	
	$\frac{1}{4}$ S25 S30 1937
	raise a mound of stone 4 ft. base, 2 ft. high W. of cor.
41.00	Bottom of exposed slope of sandrock, bears NW. and SE., across rolling sand hills, on slight descent.
53.10	Sandstone outcropping ledge, about 50 lks. wide, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap marked
	T41N R7E R8E S24 S19 S25 S30 1937
	raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.
	Land, mountainous and rolling. Soil, rocky 4th rate. Timber, none. Undergrowth, native weeds, sagebrush, greasewood and cacti.
	From above cor., Navajo Mt. bears N. $79\frac{1}{2}^{\circ}$ E. S. edge of The Chimney, bears N. $80^{\circ}20'$ E. S. edge of Table Mt., bears S. $70^{\circ}55'$ E. Red Butte, bears N. 60° W., about 6 mi. dist. near Paria Canyon rim.
	North, bet. secs. 19 and 24. Over rolling land, thru scattering undergrowth.
8.60	Wash, 100 lks. wide, course E.
31.50	Wash, 10 lks. wide, course SE.; asc. gradual SW. slope.
38.30	Top of ascent; sandstone ledge, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone 6x6x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S24 S19 1937
	Continue over rolling sandy land.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 13, 18, 19 and 24, with brass cap marked

SURVEY OF WEST BDY. OF T. 41 N., R. 8 E.

BOOK 401

9.

Chains

T41N	
R7E	R8E
S13	S18
S24	S19

1937

dig pits

18x18x12 ins., in each sec., 3 ft. dist.

Land, mountainous and rolling.

Soil, stony and sandy 4th rate.

Timber, none.

Undergrowth, native weeds, brigham sage, buck brush, grease brush and cacti.

North, bet. secs. 13 and 18.

Over gently rolling sandy plain, thru scattering undergrowth.

Desc. gradually over NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S13	S18

1937

dig pits

18x18x12 ins., N. and S. of post, 3 ft. dist.

From cor., Navajo Mt. bears N. 82° E.

S. end Table Mt. bears S. 66° E.

Red Butte, bears N. 76 $\frac{1}{2}$ ° W.

Descend gradually over NE. slope.

46.60 Wash, 20 lks. wide, course SE.

Ascend gradually over S. and SW. slopes to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, with brass cap marked

T41N	
R7E	R8E
S12	S7
S13	S18

1937

dig pits

18x18x12 ins., in each sec. 3 ft. dist.

Land, gently rolling.

Soil, sandy 4th rate.

Timber, none.

Undergrowth, native weeds, buck, sage, greasebrush and cacti.

North, bet. secs. 7 and 12.

Over gently rolling sandy plain, thru scattering undergrowth.

Asc. gradually over SW. slope to

SURVEY OF WEST BDY. OF T. 41 N., R. 8 E.

.10.

Chains	
40.00	<p>Ridge, bears NW. and SE.;</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$ S12 S7 1937 </div> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., N. and S. of cor., 3 ft. dist.</p> <p>From cor., S. end of Table Mt. bears S. 63°E. Red Butte, bears N. 88° W. Echo Peak, across Colorado River from Lees Ferry bears S. 2$\frac{1}{2}$° W.</p> <p>Continue over gently rolling sandy plain; desc. gradually over NE. slope to</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 1, 6, 7 and 12, with brass cap marked</p> <div style="text-align: center;"> T41N R7E R8E S1 S6 S12 S7 1937 </div> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., in each sec., 3 ft. dist.</p> <p>From cor.; Red Butte, bears N. 85$\frac{1}{4}$° W.; East end of Warm Springs Mesa, bears N. 67° 25'E.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, grasses, sage, brigham, black brush and cacti.</p>
	<p>North, bet. secs. 1 and 6.</p> <p>Over gently rolling land, thru scattering undergrowth.</p> <p>Desc. gradually over NE. slope.</p>
16.50	<p>Draw, course E.; asc. gradually over S. and SE. slopes.</p>
25.00	<p>Ridge, bears NE. and SW.; desc. 92 ft. over NW. slope to</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$ S1 S6 1937 </div> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., N. and S. of cor., 3 ft. dist.</p>

SURVEY OF WEST BDY. OF T. 41 N., R. 8 E.

BOOK 431

Chains From cor., East end of Warm Springs Mesa, bears N. 68°20'E.
 N. edge of Big Rock, bears S. 61°W.
 S. edge of Big Rock, bears N. 52°35'W.
 Top of Navajo Mt., bears N. 84°45'E.
 Cave under waterfall $\frac{1}{2}$ mi. dist., bears S. 52 $\frac{1}{2}$ °
 W.

Desc. gradually over NW. slope.

50.15 Wash, 20 lks. wide, course NE.; asc. gradually over SE. slope.

70.00 Low sand ridge, bears NE. and SW.; desc. gradually over NW. slope to

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 26 ins. in the ground for cor. of Ts. 41 and 42 N., Rs. 7 and 8 E., with brass cap marked



1937

dig pits

18x18x12 ins., in each sec., 3.ft. dist.

Land, gently rolling.
 Soil, sandy 4th rate.
 Timber, none.
 Undergrowth, native weeds, sage, buck, grease brush and cacti.

SURVEY OF NORTH BDY. OF TOWNSHIP 41 NORTH, RANGE 8 EAST.

From the cor. of Ts. 41 and 42 N., Rs. 7 and 8 E., hereinbefore described.

East, bet. secs. 1 and 36.

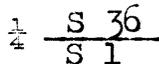
Over gently rolling sandy plain, thru scattering undergrowth.

Asc. gradually over NW. slope to

10.00 Ridge, bears NE. and SW.; desc. gradually over SE. slope.

31.70 Wash, 20 lks. wide, course NE.; asc. gradually over NW. slope to

39.46 (40.00 chs. minus convergency allowance of 54 lks.)
 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



1937

dig pits

18x18x12 ins., E. and W. of cor., 3.ft. dist.

From cor., Red Butte, bears S. 81 $\frac{3}{4}$ °W.
 Big Rock, bears N. 71 $\frac{1}{2}$ °W. (S. edge)
 SE. end Warm Springs Mesa, bears N. 66 $\frac{1}{2}$ °E.

Asc. gradually over rolling NW. slope to

70.00 NW. edge of top of ridge bearing NE. and SW. Thence

SURVEY OF NORTH BDY. OF T. 41 N., R. 8 E.

12

Chains	across level top of ridge.								
79.46	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>T42N</td><td>R8E</td></tr> <tr><td>S31</td><td>S32</td></tr> <tr><td>S6</td><td>S5</td></tr> <tr><td colspan="2">T41N</td></tr> </table> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., in each secs. 3 ft. dist.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>	T42N	R8E	S31	S32	S6	S5	T41N	
T42N	R8E								
S31	S32								
S6	S5								
T41N									
	<p>East, bet. secs. 5 and 32.</p> <p>Over level top of ridge bears NE. and SW., thru scattering undergrowth.</p>								
37.30	SE. edge of top of ridge bears NE. and SW.; leave top of ridge; desc. 40 ft. over SE. slope to								
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>$\frac{1}{4}$</td><td>S 32</td></tr> <tr><td></td><td>S 5</td></tr> </table> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., E. and W. of cor., 3 ft. dist.</p> <p>From cor., S. end of Table Mt., bears S. 55°53'E. Castle Rock, bears N. 73°13'E. S. end of the Henry Mts., bears N. 68°09'E.</p> <p>Desc. gradually over SE. slope.</p>	$\frac{1}{4}$	S 32		S 5				
$\frac{1}{4}$	S 32								
	S 5								
52.50	Wash, 20 lks. wide, course NE.; asc. gradually over NW. slope to								
80.00	<p>Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, with a stone 3x3x2 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 4, 5, 32 and 33, with brass cap marked</p> <table style="margin-left: auto; margin-right: auto;"> <tr><td>T42N</td><td>R8E</td></tr> <tr><td>S32</td><td>S33</td></tr> <tr><td>S5</td><td>S4</td></tr> <tr><td colspan="2">T41N</td></tr> </table> <p style="text-align: center;">1937</p> <p style="text-align: right;">raise a mound</p> <p>of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>From cor., Castle Rock, bears N. 71°40'E. Thumb and Finger Rock, bears N. 15°02'E. Red Butte, bears S. 77°54'W.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease, bear brush and cacti.</p>	T42N	R8E	S32	S33	S5	S4	T41N	
T42N	R8E								
S32	S33								
S5	S4								
T41N									

SURVEY OF NORTH BDY. of T. 41 N., R. 8 E.

BOOK 4 87 13

Chains

East, bet. secs. 4 and 33.

Over gently rolling plain, thru scattering undergrowth.

Asc. slightly over NW. slope to

0.50 Spur, slopes NE.; desc. 73 ft. over E. slope.

5.10 Wash, 30 lks. wide, course NE.; asc. gradually over broken NW. slope

7.30 Spur, slopes N.; desc. 45 ft. over E. slope.

8.80 Wash, 15 lks. wide, course N.; asc. 40 ft. over broken NW. slope to

40.00 Spur, slopes NE.
Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S \ 33}{S \ 4}$$

1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

From cor., Castle Rock, bears N. 69°50'E.
Thumb and Finger Rock, bears N. 21°55'E.
Red Butte, bears S. 78°46'W.

Continue over gently rolling and broken land, sloping NE.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap marked

$$\begin{array}{c|c} T42N. & R8E \\ S33 & S34 \\ \hline S4 & S3 \\ T41N & \end{array}$$

1937

18x18x12 ins., in each sec., 3 ft. dist. dig pits

From cor., Thumb and Finger Rock, bears N. 8°40'E.
Castle Rock, bears N. 67°35'E.
Red Butte, bears S. 79°29'W.

Land, gently rolling and broken.

Soil, sandy 4th rate.

Timber, none.

Undergrowth, sage, greasebrush, bear grass and cacti.

East, bet. secs. 3 and 34.

Over gently rolling sandy plain, thru scattering undergrowth.

Desc. gradually over NE. and N. slopes to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S \ 34}{S \ 3}$$

1937

SURVEY OF NORTH BDY. OF T. 41 N., R. 8 E.

14

Chains	<p>18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits</p> <p>From cor., Castle Rock, bears N. 64°46'E. Thumb and Finger Butte, bears N. 5°22'E. Red Butte, bears S. 80°10'W.</p> <p>Continue over gently rolling N. slope, gradually descending to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 2; 3, 34 and 35, with brass cap marked</p> <div style="text-align: center;"> <table border="1"> <tr><td>T42N</td><td>R8E</td></tr> <tr><td>S34</td><td>S35</td></tr> <tr><td>S3</td><td>S2</td></tr> </table> <p>T41N</p> <p>1937</p> </div> <p>18x18x12 ins., in each sec., 3 ft. dist. dig pits</p> <p>From cor., Castle rock, bears N. 61°18'E. Thumb and Finger Rock, bears N. 2°01'E. Red Butte, bears S. 80°W.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, sage, native weeds, bear grass and cacti.</p>	T42N	R8E	S34	S35	S3	S2
T42N	R8E						
S34	S35						
S3	S2						
	<p>East, bet. secs. 2 and 35.</p>						
	<p>Over gently rolling land, thru scattering undergrowth.</p>						
	<p>Desc. gradually over N. slope.</p>						
25.65	Trail, bears NE. and SW.						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr><td>$\frac{1}{4}$</td><td>S 35</td></tr> <tr><td></td><td>S 2</td></tr> </table> <p>1937</p> </div>	$\frac{1}{4}$	S 35		S 2		
$\frac{1}{4}$	S 35						
	S 2						
	<p>18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits</p>						
	<p>From cor., S. end of Table Mt., bears S. 50°E. Thumb and Finger Rock, bears N. 1°20'W. Castle Rock, bears N. 56°47'E.</p>						
	<p>Continue over gently rolling N. slope, thru scattering undergrowth.</p>						
77.00	Desc. gradually over NE. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 1, 2, 35 and 36, with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr><td>T42N</td><td>R8E</td></tr> <tr><td>S35</td><td>S36</td></tr> <tr><td>S2</td><td>S1</td></tr> </table> <p>T41N</p> <p>1937</p> </div>	T42N	R8E	S35	S36	S2	S1
T42N	R8E						
S35	S36						
S2	S1						

SURVEY OF NORTH BDY. OF T. 41 N., R. 8 E.

Chains

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

From cor., S. end of Table Mt., bears S. 47°25'E.
Navajo Mt., bears N. 84°50'E.
Castle Rock, bears N. 55°41'E.

Land, gently rolling.
Soil, sandy 4th rate.
Timber, none.
Undergrowth, sage, greasewood, bear grass and cacti.

East, bet. secs. 1 and 36.

Over rolling land, thru scattering undergrowth.

Desc. gradually over N. slope to

5.00 Spur, slopes NE.; desc. 207 ft. over SE. slope.

15.09 Trail, bears NE. and SW.

28.70 Wash, 30 lks. wide, course NE.; desc. 78 ft. along NE. slope.

40.00 Set a brass cap, 3½ ins. diam., with stem 3 ins. long in concrete in solid rock, for ¼ sec. cor., with cap marked

¼ S 36
S 1

1937

raise a mound
of stone 4 ft. base, 2 ft. high, N. of cor.

44.03 Right or west rim of Wahweap Creek Canyon, brs. N. and S. Discontinue chaining on Tp. bdy. at this point owing to precipitous slopes on the walls of the canyon, and triangulate measurement across the canyon as follows:

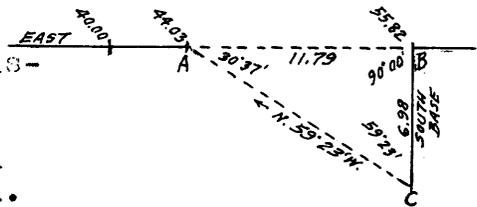
Set flag "A" at 44.03 ch. station on Tp. bdy. at W. rim of canyon.
Set flag "B" ahead on Tp. bdy. on the E. rim of canyon.

The vertical angle from "A" to "B" is 0° and the vertical angle from "A" to bottom of canyon is -20°. From flag "B" chain a base South, 6.98 chs. to point "C" from which flag "A" bears N. 59°23'W. Included angles of the triangle "A-B-C" are, 30°37', 90°00' and 59°23', the sum of which is 180°00'.

Dist. chained on Tp. bdy. from sec.cor. to "A"	= 44.03
chs. East.	
Dist. triangulated "A" to "B"	= 11.79
chs. East.	
Total dist. from sec.cor. to "B"	= 55.82
chs. East.	

From right or west rim of canyon, desc. about 200 ft. over precipitous E. slope to

51.00 (Approx.) Wahweap Creek, 100 lks. wide, muddy water 1 ft. deep, course S. Ascend about 200 ft. over precipitous W. slope to



SURVEY OF NORTH BDY. OF T. 41 N., R. 8 E.

16

Chains

- 55.82 Triangulation point "B" on a knoll and left or east rim of Wahweap Creek Canyon, brs. N. and S. Leave canyon. Resume chaining and continue measurement.
Desc. 74 ft. over E. slope.
- 65.80 Low saddle, bet. knoll and spur sloping SW. Saddle drains N. and S. Ascend gradually over SW. slope to
- 75.70 Wash, 30 lks. wide, course SW.; asc. 20 ft. over NW. slope to
- 80.00 Set an iron post, 3 ft. long, 3 ins. diam., 20 ins. in the ground to bedrock, with a stone 2x2x10 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of Ts. 41 and 42 N., Rs. 8 and 9 E., with brass cap marked

T42N	
R8E	R9E
S36	S31
S1	S6
T41N	

1937

Land, rolling and mountainous.
Soil, sandy, stony 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

BOOK 410

17.

Chains

The true point for std. cor. of secs. 34 and 35, on S. bdy. of the Tp. (10th Std. Parallel North) is on the almost perpendicular right wall of Glen Canyon of the Colorado River, where it is inaccessible and cannot be monumented.

Thence

N. 0°01' W., bet. secs. 34 and 35.

Over mountainous land; ascending over precipitous SE. slope on canyon wall.

Measurement by offset from point on canyon rim on S. bdy. of Tp. 30 lks. West from the true point for std. cor. of secs. 34 and 35

Thence N. 0°01' W., 20 lks..

Thence East, 30 lks. to point on right rim of Glen Canyon, bearing NE. and SW., and on sec. line at

0.20 Set a brass cap $3\frac{1}{2}$ ins. diam., with stem 3 ins. long, in concrete, in solid rock, for witness cor. to std. cor. of secs. 34 and 35, marked on brass cap

SC	
T41N	R8E
S34	S35
WC	

1937

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

Thence

N. 0°01' W., on sec. line, continuing measurement from sec. cor. point.

Over rolling land, thru scattering undergrowth.

Asc. 126 ft. over SE. slope.

21.40 Spur, slopes E.; desc. 16 ft. over N. slope.

25.00 Draw, course E.; asc. 23 ft. over S. slope.

30.00 Sandstone rim, on spur, sloping E.; desc. 29 ft. over NE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	
S34	S35

1937

raise a mound of stone 4 ft. base, 2 ft. high, W. of cor.

From this $\frac{1}{4}$ sec. cor., measure East 15.49 chs. dist., to right rim of Glen Canyon, and at point of intersection set temp. monument for traverse of rim thru sec. 35 as hereinafter described.

59.70 Ridge, bears NE. and SW.; desc. gradually over N. slope.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

18.

Chains							
65.90	Draw, course West; asc. 23 ft. over S. slope.						
70.90	Spur, slopes W.; desc. gradually over N. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., on bedrock, with a stone 4x4x2 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 26, 27, 34 and 35, with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">T41N</td> <td style="padding: 0 5px;">R8E</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S27</td> <td style="padding: 0 5px;">S26</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S34</td> <td style="padding: 0 5px;">S35</td> </tr> </table>	T41N	R8E	S27	S26	S34	S35
T41N	R8E						
S27	S26						
S34	S35						
	1937						
	Land, rolling. Soil, rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, greasebrush and cacti.						
	East, bet. secs. 26 and 35. Over rolling and broken land, thru scattering undergrowth. Ascend gradually over N. and NW. slopes to						
24.50	Ridge, bears NE. and SW.; desc. gradually over SE. slope to canyon rim.						
40.00	Set a brass cap, $3\frac{1}{2}$ ins. diam., 3 in. stem, in concrete in solid rock, for $\frac{1}{4}$ sec. cor., with cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 0 5px;">$\frac{1}{4}$</td> <td style="border-right: 1px solid black; padding: 0 5px;">S 26</td> </tr> <tr> <td></td> <td style="border-right: 1px solid black; padding: 0 5px;">S 35</td> </tr> </table>	$\frac{1}{4}$	S 26		S 35		
$\frac{1}{4}$	S 26						
	S 35						
	1937						
	raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.						
42.47	Intersect right rim of Glen Canyon, bears NE. and SW. Set temp. monument for traverse of canyon rim thru secs. 26 and 35, as hereinafter described. Discontinue survey of the section line at this point owing to precipitous descent into canyon.						
	Land, rolling and broken. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage and grease brush; cacti.						
	The true point for corner of secs. 25, 26, 35 and 36, is in bottom of Glen Canyon, near water surface of the Colorado River, where it is inaccessible and cannot be monumented.						
	Thence, N. 0°01' W., bet. secs. 25 and 26. Over mountainous land. Asc. approximately 600 ft. over precipitous SE. slope on right wall of canyon. Measurement by traverse thru sec. 26, along right rim of Glen Canyon, as hereinafter described.						

SUBDIVISION: PART OF T. 41 N., R. 8 E.

E. 1/2 Sec. 23

19

Chains

11.72 Right rim of Glen Canyon, bears NE. and W. This being the nearest accessible point to the sec. cor. point, but exceeding the allowable limit in dist., no witness cor. to the cor. of secs. 25, 26, 35 and 36 can be established. Thence over rolling and broken land, thru scattering undergrowth, continuing line and measurement by chaining. Ascend gradually over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

	$\frac{1}{4}$	
S26		S25
1937.		

Thence over rolling, broken, sandstone outcroppings; asc. 223 ft. over SE. slope.

78.00 Ridge, brs. NE. and SW., thence over nearly level top of same to

80.00 Set a brass cap $3\frac{1}{2}$ ins. diam., with stem 3 ins. long, set in concrete and in solid rock for cor. of secs. 23, 24, 25 and 26, marked on cap

T41N		R8E
S23		S24
S26		S25
1937		

of stone 4 ft. base, 2 ft. high, W. of cor. raise a mound

From cor., Chimney Rock, bears N. $46\frac{1}{2}^{\circ}$ E.
Red Butte, bears N. $73\frac{3}{4}^{\circ}$ W.
North Peak, S. of Lees Ferry, bears S. $38\frac{1}{4}^{\circ}$ W.

Land, mountainous, rolling and broken.

Soil, rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage, greasebrush and cacti.

East, bet. secs. 24 and 25 (W. $\frac{1}{2}$)

Over rolling and broken land, thru scattering undergrowth.

Across nearly level top of ridge.

7.00 Leave top of ridge, bearing NE. and SW.; desc. 187 ft. over SE. slope.

10.00 Point from which, a dome shaped butte, about 100 ft. high, with large cave facing South, bears N. 46° E., about 30 chs. dist.

20.65 Wash, 10 lks. wide, course SE.

23.20 Wash, 20 lks. wide, course NE.; desc. 61 ft. over NE. slope to rim of canyon.

37.35 Sandstone butte, 18 ft. high, on line.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over an 18 in. cross (+) chiseled in exposed surface rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION: PART OF T. 41 N., R. 8 E.

20

Chains

$$\frac{1}{4} \begin{array}{c} S 24 \\ S 25 \end{array}$$

1937

41.86

Right rim of Glen Canyon, bears NW. and SW. Set temp. monument for traverse of canyon rim thru secs. 24 and 25. Discontinue survey of sec. line at this point. The Colorado River lies easterly about 18 chs. dist., and about 900 ft. below this rim.

Land, rolling, broken and mountainous.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage and greasebrush and cacti.

From cor. of secs. 23, 24, 25 and 26.

N. 0°01'W., bet. secs. 23 and 24.

Over mountainous land, thru scattering undergrowth.

Desc. 248 ft. over NW. slope.

27.90

Wash, 30 lks. wide, course NE.; leave mountainous and enter rolling and broken land; asc. 12 ft. over SE. slope to

40.00

Set an iron post, 3 ft. long, 1 in. in diam., over an 18 in. cross (+) chiseled in exposed surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \begin{array}{c} | \\ S23 \quad | \quad S24 \\ | \\ 1937 \end{array}$$

Desc. gradually over rolling E. and NE. slopes to

78.80

Wash, 20 lks. wide, course NE.

Ascend gradually over SE. slope to

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 13, 14, 23 and 24, with brass cap marked

$$\begin{array}{c} T41N \quad | \quad R8E \\ \hline S14 \quad | \quad S13 \\ \hline S23 \quad | \quad S24 \end{array}$$

1937

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

From cor., Castle Rock, bears N. 23 $\frac{1}{2}$ °E.

Navajo Mt., bears N. 80°E.

Dome Mt. in SW $\frac{1}{4}$ sec. 24, bears S. 20°E.

Land, mountainous, rolling and broken.

Soil, rocky, 4th rate.

Timber, none.

Undergrowth, native weeds, sage and greasebrush and cacti.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

Chains

East, bet. secs. 13 and 24.

Over gently rolling land, thru scattering undergrowth.
 Desc. 18 ft. over SE. slope to
 1.88 Wash, 20 lks. wide, course NE.; desc. slightly over NE.
 slope to

7.51 Right rim of Glen Canyon, bears N. and SE. Set temp.
 monument for traverse of canyon rim thru secs. 13 and
 24. Discontinue survey of sec. line at this point.
 The center of the Colorado River is about 20 chs. east-
 erly and 900 ft. below this point on rim.

Land, gently rolling.
 Soil, rocky, 4th rate.
 Timber, none.
 Undergrowth, native weeds, sage and grease brush and
 cacti.

From cor. of secs. 13, 14, 23 and 24.

N. 0°01'W., bet. secs. 13 and 14.

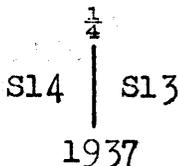
Over gently rolling land, thru scattering undergrowth.

Asc. 23 ft. over SE. slope.

5.00 Sandy spur, slopes E.; desc. 34 ft. over N. slope.

11.00 Wash, 10 lks. wide, course E.; enter mountainous land;
 asc. 124 ft. over broken SE. slope to

40.00 Set a brass cap 3 ins. diam., with stem 3 ins. long, in
 concrete, in solid rock, for $\frac{1}{4}$ sec. cor. with brass cap
 marked



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

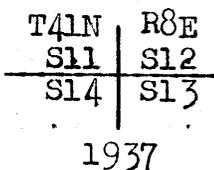
From this $\frac{1}{4}$ sec. cor. measure East 7.51 chs. to right or
 west rim of Glen Canyon at its junction with right rim
 of Wahweap Creek Canyon, and set temp. monument for
 traverse of rim of Glen Canyon thru S. $\frac{1}{2}$ of Sec. 13.

Ascend 8 ft. over SE. slope.

41.00 White sandstone spur, slopes NE.; desc. 171 ft. over N.
 slope.

70.80 Rocky wash, 10 lks. wide, course NE.; asc. 108 ft. over
 SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., on solid
 rock, with a stone 4x4x3 ins., marked with a cross (+)
 deposited at base, and in a mound of stone to top, for
 cor. of secs. 11, 12, 13 and 14, with brass cap marked



SUBDIVISION: PART OF T. 41 N., R. 8 E.

Chains

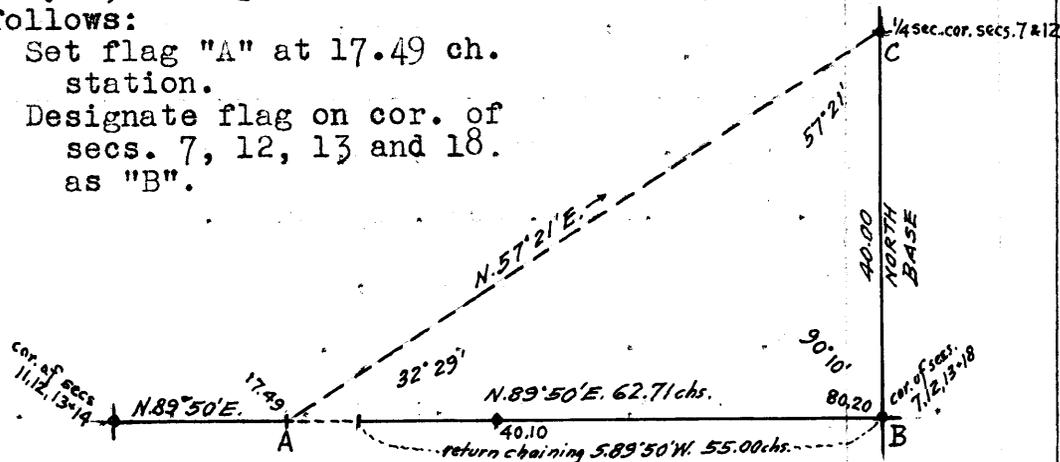
Land, gently rolling and mountainous.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, native weeds, sage and greasewood; cacti.

N. 89°50'E., on random line, bet. secs. 12 and 13, for distance only as a flag is visible at such bearing on the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp.

17.49 Right or west rim of Wahweap Creek Canyon, bearing N. and S.

It being impracticable to chain measurement across this canyon, triangulate measurement of remainder of line as follows:

Set flag "A" at 17.49 ch. station.
Designate flag on cor. of secs. 7, 12, 13 and 18 as "B".



Set flag "C" on the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 on E. bdy. of Tp., which bears N. 57°21'E., from "A"
Vertical angle from "A" to "B" is + 1 $\frac{3}{4}$ °.
The base "B-C" is the S. $\frac{1}{2}$ of line bet. secs. 7 and 12; North, 40.00 chs.

Included angles of the triangle "A-B-C" are 32°29', 90°10' and 57°21', the sum of which is 180°00'.

Dist. chained on random sec. line to "A" = 17.49 chs.

N. 89°50'E.

Dist. triangulated from "A" to "B" = 62.71 chs.

N. 89°50'E.

Total length of random sec. line = 80.20 chs.

N. 89°50'E.

80.20 Intersect the cor. of secs. 7, 12, 13 and 18 on the E. bdy. of the Tp., established under this group and described in field notes of survey of part of T. 41 N., R. 9 E.

Thence

S. 89°50'W., on true line, bet. secs. 12 and 13.

Over mountainous land, thru scattering undergrowth.

Measurement by chaining to left rim of Wahweap Creek Canyon.

Asc. 72 ft. over broken NE. slope.

8.50 Spur, slopes NE.; desc. 35 ft. over NW. slope.

11.60 Draw, course NE.; asc. 64 ft. over SE. slope.

14.00 Spur, slopes NE.; desc. 175 ft. over NW. slope to

40.10 Set an iron post, 3 ft. long, 1 in. in diam., over an 8 in. cross (+) cut in exposed surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION: PART OF T. 41 N., R. 8 E.

23

Chains

$$\frac{1}{4} \frac{S 12}{S 13}$$

1937

Descend gradually over W. slope to

55.00 Left or east rim of Wahweap Creek Canyon, brs. N. and S.
Discontinue chaining.Measurement of sec. line across canyon by triangulation
hereinbefore described.

Desc. about 220 ft. over precipitous W. slope.

58.00 (Approx.) Wahweap Creek, course S., in bottom of canyon,
with stream of muddy water, 1 ft. deep.

Asc. about 200 ft. over precipitous E. slope to

62.71 Triang. point "A" on right or West rim of Wahweap Creek
Canyon, brs. N. and S.
Resume chaining; continuing measurement.

Asc. 30 ft. over E. slope.

66.40 Point of spur, slopes NE., desc. 16 ft. over NW. slope.

67.10 Wash, 10 lks. wide, course NE.; asc. 222 ft. over SE.
slope to

80.20 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous.

Soil, rocky and sandy, 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

N. 0°01'W., bet. secs. 11 and 12.

Over mountainous land, thru scattering undergrowth.

Asc. 143 ft. over SE. slope.

30.00 Spur, slopes NE.; desc. 40 ft. over N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ | \\ S11 \quad | \quad S12 \\ | \\ 1937 \end{array}$$

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

Desc. 26 ft. over NE. slope.

43.60 Wash, 10 lks. wide; course SE.; asc. 49 ft. over SE.
slope.45.00 Low saddle, bears E. and W.; desc. gradually over NE.
slope.

46.25 Wash, 10 lks. wide, course NE.; asc. 23 ft. over SE. slope.

49.20 Spur, slopes NE.; desc. 17 ft. over NE. slope.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

24

Chains

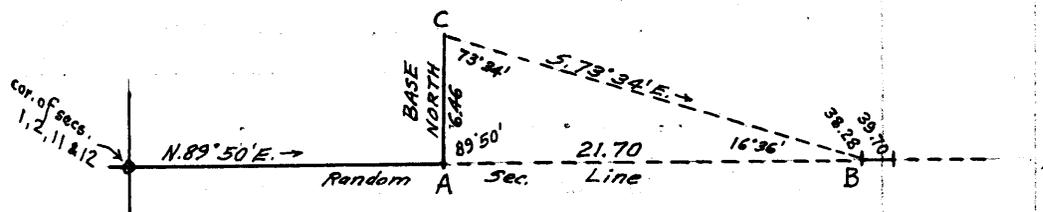
- 67.40 Wash, 15 lks. wide, course NE.; asc. gradually over SE. slope.
- 70.00 Point of spur, slopes E.; desc. 63 ft. over N. slope.
- 75.90 Wash, 30 lks. wide, course NE.; asc. 30 ft. over SE. slope to
- 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 1, 2, 11 and 12, with brass cap marked

T41N	R8E
S2	S1
S11	S12

1937

Land, mountainous.
Soil, rocky and sandy 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

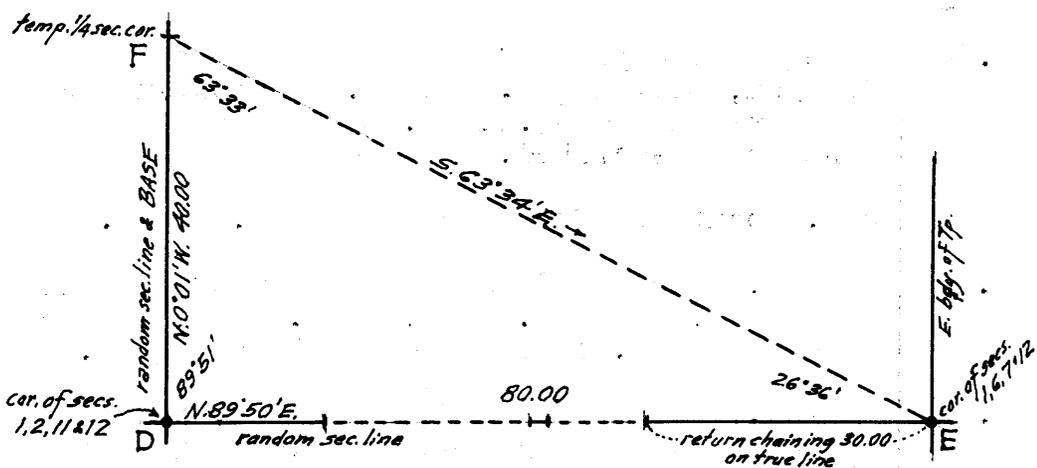
- N. 89°50'E., on a random line, bet. secs. 1 and 12, for dist. only, toward flag visible on corner of secs. 1, 6, 7 and 12, on E. bdy. of the Tp.
- 16.58 Right rim of Wahweap Creek Canyon, bears N. and S. Beyond this point the sec. line crosses and recrosses said canyon, rendering chaining impracticable, therefore triangulate measurement of a portion of the sec. line as follows:



Designate 16.58 ch. station as "A".
Set flag "B" ahead on sec. line in bend of right rim of canyon.
Vertical angle from "A" to "B" is -9°.
From "A" chain a base North, 6.46 chs. to point "C".
Bearing from "C" to "B" is S. 73°34'E.
Included angles of triangle "A-B-C" are 89°50', 16°36' and 73°34', the sum of which is 180°00'.
Dist. chained on random sec. line to "A" = 16.58 chs.
N. 89°50'E.
Dist. triangulated "A" to "B" = 21.70 chs.
N. 89°50'E.
Dist. on sec. line, sec. cor. to "B" = 38.28 chs.
N. 89°50'E.

- 38.28 Triangulation point "B" on right rim of Wahweap Creek Canyon, bearing NE. and SW. Resume chaining and continue measurement.
- 39.70 Right rim of Wahweap Creek Canyon, brs. NW. and SE. Beyond this point the sec. line recrosses the canyon and it is impracticable to continue chaining, therefore triangulate measurement of the remainder of the sec. line as follows:

Chains



Designate cor. of secs. 1, 2, 11 and 12 as "D", and the flag on the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp. as "E". Vertical angle from "D" to "E" is -2° .

From "D" measure a base N. $0^\circ 01' W.$, 40.00 chs. on random line bet. secs. 1 and 2, to the temp. $\frac{1}{4}$ sec. cor., designated point "F" of this triangulation, and from which flag "E" bears S. $63^\circ 34' E.$

Included angles of the triangle "D-E-F" are $89^\circ 51'$, $26^\circ 36'$ and $63^\circ 33'$; the sum of which is $180^\circ 00'$.

Length of sec. line bet. secs. 1 and 12 (D-E) = 80.00 chs.

80.00 Intersect the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp., established under this group as described in field notes of survey of part of T. 41 N., R. 9 E.

Thence,

S. $89^\circ 50' W.$, on true line, bet. secs. 1 and 12.

Over mountainous land, thru scattering undergrowth.

Desc. over gradual SW. slope to

30.00 Left or east rim of Wahweap Creek Canyon, bears NW. and SE. Discontinue chaining at this point. Measurement to 40.30 ch. station by triangulations hereinbefore described on random line; desc. about 300 ft. over broken, nearly vertical wall, facing SW.

35.00 (Approx.) Wahweap Creek, in bottom of canyon, with stream of water, 100 lks. wide, 1 ft. deep, course SE.; asc. about 300 ft. over nearly vertical broken wall facing NE.

40.00 True point for $\frac{1}{4}$ sec. cor. falls on vertical wall facing NE. where it is impractical to monument the cor., therefore establish witness cor. at 65 lks. S. $89^\circ 50' W.$, as hereinafter described.

40.30 Right rim of Wahweap Creek Canyon, bears NW. and SE. Resume chaining, continuing measurement across broken land in bend of right rim of canyon.

40.65 Set an iron post, 3 ft. long, 1 in. in diam., over an 18 in. cross (+) cut in surface rock, and in a mound of stone to top, for witness cor. to $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ $\frac{S 1}{S 12}$ WC

1937

SUBDIVISION: PART OF T. 41 N., R. 8 E.

26

Chains	
41.72	Triangulation point "B" on right rim of Wahweap Creek Canyon, bearing NE. and SW. Discontinue chaining. Measurement to 63.42 ch. station by triangulation hereinafter described.
	Desc. about 300 ft. over broken NW. slope.
46.00	(Approx.) Wahweap Creek, in bottom of canyon, with stream of water, 100 lks. wide, 1 ft. deep, course NE.; asc. about 300 ft. over broken wall facing SE.
50.00	(Approx.) Point of spur, sloping SW. and forming sharp bend in left rim of Wahweap Creek Canyon; desc. about 300 ft. over broken wall facing SW.
54.00	(Approx.) Wahweap Creek in bottom of canyon, with stream of water 100 lks. wide, 1 ft. deep, course South.
	Asc. about 425 ft. over precipitous east slope to
63.42	Right or west rim of Wahweap Creek Canyon, bears N. and S. and triangulation point "A". Resume chaining and continue measurement. Asc. gradually over NE. slope.
72.00	Wash, 30 lks. wide, course NE. Asc. 80 ft. over SE. slope to
80.00	The cor. of secs. 1, 2, 11 and 12. Land, mountainous. Soil, rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	N. 0°01'W., on a random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor., and triangulation point "F" of the triangulation of line bet. secs. 1 and 12, hereinbefore described.
80.35	Intersect N. bdy. of Tp. at 16 lks. E. of cor. of secs. 1, 2, 35 and 36, hereinbefore described.
	Thence,
	S. 0°08'E., on true line bet. secs. 1 and 2.
	Over rolling land, thru scattering undergrowth.
	Asc. 40 ft. over N. slope.
3.15	Spur slopes NE.; desc. 57 ft. over SE. slope.
15.20	Trail bears NE. and SW.
16.05	Wash, 30 lks. wide, course NE.; asc. 70 ft. over N. slope.
30.00	Spur, slopes E.; desc. 85 ft. over S. slope to
40.35	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ S2 S1
	1937
	raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

BOOK 3187

Chains	Desc. 36 ft. over S. slope.
42.25	Wash, 10 lks. wide, course SE.; asc. 26 ft. over NE. slope.
43.80	Point of spur, slopes E.; desc. 20 ft. over SE. slope.
45.80	Wash, 20 lks. wide, course E.; asc. 71 ft. over N. slope.
56.00	Spur, slopes E.; desc. 43 ft. over SE. slope.
67.20	Wash, 20 lks. wide, course NE.; asc. 164 ft. over NW. slope.
78.00	Spur, slopes NE.; desc. 28 ft. over SE. slope to
80.35	The cor. of secs. 1, 2, 11 and 12.
	Land, rolling and mountainous. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	From the cor. of secs. 26, 27, 34 and 35. N. 0°01'W., bet. secs. 26 and 27. Over rolling broken land, thru scattering undergrowth. Desc. 116 ft. over N. and NW. slopes.
36.50	Wash, 10 lks. wide, course W.; asc. 15 ft. over S. slope.
39.00	Low sandstone spur, slopes W.; desc. slightly over N. slope to
40.00	Set a brass cap $3\frac{1}{2}$ ins. diam., with 3 in. stem, set in concrete in solid rock, for $\frac{1}{4}$ sec. cor., cap marked
	$\frac{1}{4}$ S27 S26 1937 raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.
	From cor., Echo Peak, bears S. $34\frac{1}{2}$ °W. Distant White Butte in Utah, bears N. 27°W.
	Desc. gradually over N. slope.
51.50	Draw, course W.; asc. gradually over S. slope.
62.00	Spur, slopes W.; desc. 25 ft. over N. slope.
69.50	Wash, 20 lks. wide, course W.; thence over W. slope.
79.30	Wash, 10 lks. wide, course W.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., over a cross (+) 2 ins. long cut in exposed surface rock, and in a mound of stone to top, for cor. of secs. 22, 23, 26 and 27, with brass cap marked.

T41N R8E
 S22 | S23
 S27 | S26

1937

SUBDIVISION: PART OF T. 41 N., R. 8 E.

28

Chains	<p>From cor., North Peak, S. of Lees Ferry, bears S. $32\frac{1}{2}^{\circ}$W. Red Butte, bears N. 73°W. White Butte on Paria Plateau, bears S. $70^{\circ}35'$W.</p> <p>Land, rolling and broken. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, greasewood and cacti.</p>
	<p>East, on a random line, bet. secs. 23 and 26.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the cor. of secs. 23, 24, 25 and 26.
	Thence,
	West, on true line, bet. secs. 23 and 26.
	Over mountainous land, thru scattering undergrowth.
	Desc. 171 ft. over NW. slope.
30.55	Wash, 20 lks. wide, course NE.; asc. 57 ft. over E. slope.
35.40	Sandstone point, on spur, slopes N.; desc. 52 ft. over NW. slope to
40.00	Set a brass cap, $3\frac{1}{2}$ ins. diam., with 3 in. stem in concrete, in solid rock, for $\frac{1}{4}$ sec. cor., with cap marked
	$\frac{1}{4} \quad \frac{S \ 23}{S \ 26}$
	1937
	raise a mound
	of stone 3 ft. base, 2 ft. high, N. of cor.
	From cor., The Tower, bears N. $76\frac{1}{2}^{\circ}$ E. Red Butte, bears N. $73\frac{1}{2}^{\circ}$ W. Chimney Rock, at mouth of Warm Springs Canyon, bears N. $48\frac{1}{2}^{\circ}$ E.
	Desc. 36 ft. over NW. slope.
45.90	Wash, 10 lks. wide, course SW.; asc. 57 ft. over SE. slope
50.00	Point of sandstone spur, slopes S.; desc. 70 ft. over steep SW. slope to
54.20	Foot of steep slope, brs. N. and S. Leave mountainous and enter rolling and broken land; desc. gradually over W. slope to
80.00	The cor. of secs. 22, 23, 26 and 27.
	Land, mountainous, rolling and broken. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, greasebrush and cacti.
	N. $0^{\circ}01'$ W., bet. secs. 22 and 23.
	Over rolling and broken land, thru scattering undergrowth.
	Ascend gradually over W. slope.
15.50	Draw, 20 lks. wide, course SW.; leave rolling and enter mountainous and broken land. Asc. 144 ft. over steep SE. slope to

SUBDIVISION: PART OF T. 41 N., R. 8 E.

E000
29

Chains	
23.90	Top of sandstone outcropping, bears NE. and SW.; leave mountainous and enter gently rolling land. Asc. 57 ft. over S. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S22 S23 1937 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist. From cor., The Tower and Navajo Mountain, bears N. 79°20'E. S. end Table Mt. bears S. 62 $\frac{1}{2}$ °E. Red Butte, bears N. 76°W. Continue over gently rolling land; asc. gradually over S. and SW. slopes to sec. cor.
70.00	Shallow draw, course SW.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 14, 15, 22 and 23, with brass cap marked T41N R8E S15 S14 ----- S22 S23 1937 dig pits 18x18x12 ins., in each sec., 3 ft. dist. From cor., Navajo Mt. bears N. 79 $\frac{1}{2}$ °E.; Red Butte, bears N. 79 $\frac{1}{2}$ °W.; S. edge of Table Mt., bears S. 60 $\frac{1}{2}$ °E. Land, rolling, broken and mountainous. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, greasebrush and cacti.
	East, on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.08	Intersect the cor. of secs. 13, 14, 23 and 24. Thence, West, on true line, bet. secs. 14 and 23. Over mountainous land, thru scattering undergrowth. Asc. 226 ft. over steep SE. slope to
18.20	Top of steep ascent and sandstone outcropping, bears NE. and SW.; leave mountainous and enter gently rolling land. Ascend 100 ft. over E. slope to
40.04	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S14 ----- S23 1937 dig pits 18x18x12 ins., E. and W. of post, 3 ft. dist. From cor., Echo Peak, bears S. 32°W.; Cave Mt. bears

SUBDIVISION: PART OF T. 41 N., R. 8 E.

30

Chains	<p>S. $45\frac{1}{4}^{\circ}$E. 1 mile; S. end Table Mt. bears S. $59\frac{1}{2}^{\circ}$E.; The Tower, bears N. $81\frac{1}{2}^{\circ}$E.; Chimney Rock brs. N. $72^{\circ}10'$E. Castle Peak, bears N. $28\frac{1}{2}^{\circ}$E.; Red Butte, bears N. 80°W.</p> <p>Continue over gently rolling land; asc. 30 ft. over E. slope.</p>
55.00	Low ridge, bears N. and S.; desc. gradually over W. and SW. slopes to
80.08	The cor. of secs. 14, 15, 22 and 23.
	<p>Land, mountainous and gently rolling. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
	<p>N. $0^{\circ}01'$W., bet. secs. 14 and 15.</p> <p>Over gently rolling land, thru scattering undergrowth.</p> <p>Asc. 86 ft. over SW. slope to</p>
16.00	Ridge, bears NW. and SE.; thence along flat top of spur, sloping slightly N.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	<p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S15 S14</p> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., N. and S. of cor., 3 ft. dist.</p> <p>From cor., North Peak, S. of Lees Ferry, bears S. $27\frac{1}{2}^{\circ}$W. N. end of The Tower, bears N. 84°E. Red Butte, bears N. $82\frac{1}{2}^{\circ}$W.</p> <p>Desc. gradually over N. slope from point of low spur sloping N.</p>
50.00	Draw, course E.; asc. gradually over S. slope.
60.00	Low rim, bears E. and W. Thence over nearly level land sloping slightly SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 10, 11, 14 and 15, with brass cap marked
	<p style="text-align: center;">T41N R8E</p> <p style="text-align: center;">S10 S11</p> <p style="text-align: center;">S15 S14</p> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., in each sec., 3 ft. dist.</p> <p>From cor., N. end of Table Mt. bears S. $59\frac{1}{2}^{\circ}$E. N. Ferry Peak, bears S. $25\frac{1}{2}^{\circ}$W. Red Butte, bears N. $82\frac{1}{2}^{\circ}$W.</p> <p>Land, gently rolling and nearly level. Soil, sandy, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>

Chains	<p>East, on a random line, bet. secs. 11 and 14.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.06 Intersect N. and S. line, 9 lks. S. of the cor. of secs. 11, 12, 13 and 14.</p> <p>Thence,</p> <p>S. $89^{\circ}56'$ W., on true line, bet. secs. 11 and 14.</p> <p>Over mountainous land, thru scattering undergrowth.</p> <p>Asc. 336 ft. over broken SE. slope.</p> <p>20.00 Rim of mesa, bears NE. and SW.; thence over gently rolling S. slope, on sandy top of mesa, at S. end of same.</p> <p>35.00 Rim of same mesa, bears NW. and SE.; leave mesa, and desc. 29 ft. over SW. slope to</p> <p>40.03 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, with stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4} \begin{array}{l} S 11 \\ S 14 \end{array}$ <p>1937</p> <p style="text-align: right;">from which</p> <p>South end of Table Mt., bears S. $45^{\circ}52'$ E. Center peak of Lees Ferry Peaks, bears S. $28^{\circ}18'$ W. Red Butte, bears N. $86^{\circ}18'$ W.</p> <p>Desc. 58 ft. over SW. slope to</p> <p>60.00 Foot of descent from mesa, brs. NW. and SE. Thence over nearly level land.</p> <p>62.50 Trail, bears NW. and SE.</p> <p>80.06 The cor. of secs. 10, 11, 14 and 15.</p> <p>Land, mountainous, gently rolling and nearly level. Soil, rocky and sandy, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p> <hr/> <p>N. $0^{\circ}01'$ W., bet. secs. 10 and 11.</p> <p>Over nearly level land, thru scattering undergrowth.</p> <p>3.50 Leave nearly level and enter gently rolling land; asc. gradually over SE. slope.</p> <p>10.00 Low sand ridge, bears NE. and SW.; desc. 40 ft. over NW. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked.</p> <div style="text-align: center;"> $\frac{1}{4} \begin{array}{l} S 10 \\ S 11 \end{array}$ <p>1937</p> <p style="text-align: right;">dig pits</p> </div> </div>
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SUBDIVISION: PART OF T. 41 N., R. 8 E.

32

Chains

18x18x12 ins., in each sec., 3 ft. dist.

From cor. Castle Peak, bears N. $43\frac{3}{4}^{\circ}$ E.
 Navajo Mt. bears N. 83° E.
 Red Butte, bears N. $89\frac{1}{4}^{\circ}$ W.

Continue over gently rolling land, thru scattering undergrowth.

Desc. gradually over NW. slope to sec. cor.

69.60 Trail bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with brass cap marked

T41N	R8E
S3	S2
S10	S11

1937

18x18x12 ins., in each sec., 3 ft. dist. dig pits

From cor., S. edge of Big Rock, in Sec. 1, T. 41 N., R. 7
 E., bears N. $77^{\circ}25'$ W.
 Castle Peak, bears N. 49° E.
 N. end of The Tower, bears S. 87° E.

Land, nearly level and gently rolling.

Soil, sandy 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

N. $89^{\circ}56'E.$, on a random line, bet. secs. 2 and 11.40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.20 Intersect N. and S. line, 5 lks. S. of cor. of secs. 1, 2, 11 and 12.

Thence,

S. $89^{\circ}54'W.$, on true line, bet. secs. 2 and 11.

Over rolling land, thru scattering undergrowth.

Asc. 38 ft. over SE. slope.

2.65 Spur, slopes NE.; descend 45 ft. over NW. slope.

11.62 Wash, 5 lks. wide, course NE.; asc. 34 ft. over E. slope.

20.70 Spur, slopes N.; desc. 70 ft. over W. slope.

30.18 Wash, 10 lks. wide, course N. Leave rolling and enter gently rolling land. Asc. 42 ft. over NE. slope.

34.60 Desc. 15 ft. over NW. slope.

39.70 Draw, course N.; asc. slightly over NE. slope to

40.10 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 2
	S 11

1937

SUBDIVISION: PART OF T. 41 N., R. 8 E.

33

Chains

- 18x18x12 ins., E. and W. of cor., .3 ft. dist. dig pits
- From cor., Castle Rock, brs. N. $43\frac{1}{2}^{\circ}$ E.
Thumb and Finger, bears N. $1^{\circ}17'$ W.
Natural Bridge, bears N. $6^{\circ}14'$ E.
- Continue over gently rolling land, thru scattering undergrowth. Asc. gradually over NE. and E. slopes to
- 48.00 Spur, slopes NE.; desc. 48 ft. over NW. slope to
- 80.20 The cor. of secs. 2, 3, 10 and 11.
- Land, rolling and gently rolling.
Soil, sandy 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.
-
- N. $0^{\circ}08'$ W., on a random line, bet. secs. 2 and 3.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.36 Intersect N. bdy. of $\frac{1}{4}$ p. at 16 lks. E. of cor. of secs. 2, 3, 34 and 35, hereinbefore described.
- Thence,
- S. $0^{\circ}15'$ E., on true line, bet. secs. 2 and 3.
- Over gently rolling land, thru scattering undergrowth.
Asc. 15 ft. over N. slope.
- 5.00 Low sand ridge, bears E. and W.; desc. 63 ft. over SE. slope.
- 18.16 Trail, bears NE. and SW.
- 35.35 Draw, course E.; asc. 20 ft. over N. slope to
- 40.36 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$
 S3 | S2
 1937
- 18x18x12 ins., N. and S. of cor., .3 ft. dist. dig pits
- Asc. 30 ft. over N. slope.
- 55.00 Point of spur, slopes E.; desc. 20 ft. over SE. slope.
- 60.30 Draw, course NE.; asc. 50 ft. over NW. slope to sec. cor.
- 65.00 Trail, bears NE. and SW.
- 80.36 The cor. of secs. 2, 3, 10 and 11.
- Land, gently rolling.
Soil, sandy 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

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34

Chains	From standard cor. of secs. 33 and 34, on S. bdy. of Tp. (10th Std. Parallel North) hereinbefore described								
	N. 0°02'W., bet. secs. 33 and 34.								
	Over mountainous land, thru scattering undergrowth.								
	Asc. 32 ft. over SW. slope.								
3.87	Desc. 13 ft. over NW. slope.								
5.95	Wash, 10 lks. wide, course SW.; asc. 95 ft. over SW. and W. slopes to								
32.00	Asc. 46 ft. over SW. slope.								
37.00	Sandstone spur, slopes W. from ridge bearing N. and S. about 5 chs. E.								
	Desc. 17 ft. over NW. slope to								
40.00	Set a brass cap $3\frac{1}{2}$ ins. diam., with stem 3 ins. long, in concrete in solid rock, for $\frac{1}{4}$ sec. cor., with cap marked								
	$\frac{1}{4}$ <table style="margin: auto;"> <tr> <td>S33</td> <td> </td> <td>S34</td> </tr> <tr> <td colspan="3" style="text-align: center;">1937</td> </tr> </table>	S33		S34	1937				
S33		S34							
1937									
	.raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.								
	From cor., Red Butte, bears N. $61\frac{1}{2}^{\circ}$ W. Big Rock, bears N. $34\frac{1}{2}^{\circ}$ W.								
	Desc. 113 ft. over broken W. slope to								
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 27, 28, 33 and 34, with brass cap marked								
	<table style="margin: auto;"> <tr> <td>T41N</td> <td>R8E</td> </tr> <tr> <td>S28</td> <td> </td> <td>S27</td> </tr> <tr> <td>S33</td> <td> </td> <td>S34</td> </tr> </table>	T41N	R8E	S28		S27	S33		S34
T41N	R8E								
S28		S27							
S33		S34							
	1937								
	Land, mountainous. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage and grease brush and cacti.								
	East, on a random line, bet. secs. 27 and 34.								
40.00	Set temp. $\frac{1}{4}$ sec. cor.								
80.00	Intersect N. and S. line, 2 lks. S. of the cor. of secs. 26, 27, 34 and 35.								
	Thence,								
	S. $89^{\circ}59'$ W., on true line, bet. secs. 27 and 34.								
	Over rolling and broken land, thru scattering undergrowth.								
	Desc. 50 ft. over N. slope to								
18.50	Desc. 81 ft. over NW. slope to								

SUBDIVISION: PART OF T. 41 N., R. 8 E.

BOOK 107

35

Chains	
29.20	Left or east rim of canyon, brs. N. and S. Leave rolling and enter mountainous land. Desc. 200 ft. over steep W. slope.
34.35	Wash, 100 lks. wide, course S. in bottom of canyon; asc. 48 ft. over E. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S 27 \\ S 34 \end{array}$
	1937
	raise a mound of stone 4 ft. base, 2 ft. high, N. of cor.
	Desc. slightly over SW. slope.
40.50	Gully, course SE.; asc. 190 ft. over steep broken E. slope to
47.60	Right or west rim of canyon, brs. N. and S. Leave canyon. Asc. 135 ft. over E. slope.
75.10	Ridge, bears N. and S.; desc. 32 ft. over W. slope to
80.00	The cor. of secs. 27, 28, 33 and 34.
	Land, rolling, broken and mountainous. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	N. 0°02'W., bet. secs. 27 and 28,
	Over mountainous land, thru scattering undergrowth.
	Desc. gradually over W. slope.
2.80	Asc. 63 ft. over SW. slope.
7.50	Sandstone spur, slopes NW.; desc. 45 ft. over N. slope to
18.50	Draw, course NW., near head; desc. 100 ft. over NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on exposed bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \begin{array}{l} S28 \\ S27 \end{array}$
	1937
	This cor. is in a swale, course SW.; near head.
	Asc. 12 ft. over SW. slope.
42.00	Sandstone spur, slopes NE. from SE.; desc. 200 ft. over NW. slope.
60.00	Draw, 100 lks. wide, in Ferry Swale, course SW. Asc. gradually over SE. slope to

SUBDIVISION: PART OF T. 41 N., R. 8 E.

36.

Chains							
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 21, 22, 27 and 28, with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>T41N</td> <td>R8E</td> </tr> <tr> <td>S21</td> <td>S22</td> </tr> <tr> <td>S28</td> <td>S27</td> </tr> </table>	T41N	R8E	S21	S22	S28	S27
T41N	R8E						
S21	S22						
S28	S27						
	1937						
	dig pits						
	18x18x12 ins., in each sec., 3 ft. dist.						
	Land, mountainous.						
	Soil, sandy and rocky, 4th rate.						
	Timber, none.						
	Undergrowth, native weeds, sage, grease brush and cacti.						
	N. 89°59' E., on a random line, bet. secs. 22 and 27.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.92	Intersect N. and S. line, 7 lks. N. of cor. of secs. 22, 23, 26 and 27.						
	Thence,						
	N. 89°58' W., on true line, bet. secs. 22 and 27.						
	Over gently rolling land, thru scattering undergrowth.						
	Desc. gradually over W. slope.						
4.00	Shallow wash, 10 lks. wide, course SW.; asc. gradually over SE. slope.						
18.20	Sandstone spur, slopes SW.; desc. 30 ft. over W. slope.						
23.50	Desc. gradually over S. slope.						
38.20	Saddle in ridge, bearing NE. and SW.; desc. slightly over NW. slope to						
39.96	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	<table style="margin-left: auto; margin-right: auto;"> <tr> <td>$\frac{1}{4}$</td> <td>S 22</td> </tr> <tr> <td></td> <td>S 27</td> </tr> </table>	$\frac{1}{4}$	S 22		S 27		
$\frac{1}{4}$	S 22						
	S 27						
	1937						
	raise a mound						
	of stone 3 ft. base, 2 ft. high, N. of cor.						
	Continue over gently rolling land; desc. 75 ft. over NW. slope.						
72.50	Wash, 100 lks. wide, course SW. in Ferry Swale; asc. gradually over SE. slope to						
79.92	The cor. of secs. 21, 22, 27 and 28.						
	Land, gently rolling.						
	Soil, sandy and rocky, 4th rate.						
	Timber, none.						
	Undergrowth, native weeds, sage, grease brush and cacti.						

SUBDIVISIONS PART OF T. 41 N., R. 8 E.

37

Chains	<p>N. 0°02' W., bet. secs. 21 and 22.</p> <p>Over gently rolling land, thru scattering undergrowth.</p> <p>Ascend gradually over SE. slope.</p> <p>6.00 Point of low spur, slopes NE.; desc. 20 ft. over NE. slope.</p> <p>13.30 Wash, 20 lks. wide, course SE. in Ferry Swale; asc. gradual S. slope.</p> <p>27.15 Foot of sandstone outcropping; bears E. and W. Leave gently rolling and enter mountainous land. Asc. 222 ft. over steep S. slope.</p> <p>38.00 Top of sandstone outcropping, bears E. and W. Leave mountainous and enter gently rolling land. Ascend slightly over SE. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <div style="text-align: center;"> $\frac{1}{4}$ <table style="margin: auto;"> <tr> <td>S21</td> <td style="border-left: 1px solid black; border-right: 1px solid black;">S22</td> </tr> </table> <p>1937</p> <p style="text-align: right;">from which</p> <p>S. end of Table Mt., bears S. 64°35' E. Navajo Mt., bears N. 80$\frac{1}{2}$° E. The Tower is on same line as this bearing. A Big Cave, bears S. 65$\frac{3}{4}$° E., about one mile dist.</p> <p>Continue over gently rolling land, general SE. drainage, thru sand hills. Ascend gradually to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 15, 16, 21 and 22, with brass cap marked</p> <div style="text-align: center;"> <table style="margin: auto;"> <tr> <td>T41N</td> <td>R8E</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;">S16</td> <td style="border-left: 1px solid black; border-right: 1px solid black;">S15</td> </tr> <tr> <td style="border-left: 1px solid black; border-right: 1px solid black;">S21</td> <td style="border-left: 1px solid black; border-right: 1px solid black;">S22</td> </tr> </table> <p>1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., in each sec. 3 ft. dist.</p> <p>From cor., Navajo Mt., bears N. 80$\frac{1}{2}$° E. N. end of Table Mt., bears S. 65$\frac{1}{2}$° E. Red Butte, bears N. 78° W.</p> <p>Land, gently rolling and mountainous. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p> <hr/> <p>S. 89°58' E., on a random line, bet. secs. 15 and 22.</p> <p>40.00 Set temp. $\frac{1}{4}$ sec. cor.</p> <p>80.00 Intersect the cor. of secs. 14, 15, 22 and 23.</p> <p>Thence,</p> <p>N. 89°58' W., on true line, bet. secs. 15 and 22.</p> </div></div>	S21	S22	T41N	R8E	S16	S15	S21	S22
S21	S22								
T41N	R8E								
S16	S15								
S21	S22								

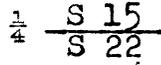
SUBDIVISION: PART OF T. 41 N., R. 8 E.

Chains

Over gently rolling land, general slope SW., thru low sand hills and scattering undergrowth.

30.00 Shallow draw, course S.; asc. gradually over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

Continue over gently rolling land, ascending over general SE. slope, thru low sand hills.

80.00 The cor. of secs. 15, 16, 21 and 22.

Land, gently rolling.

Soil, sandy 4th rate.

Timber, none.

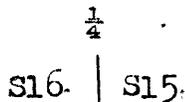
Undergrowth, native weeds, grass, sage and grease brush and cacti.

N. 0°02'W., bet. secs. 15 and 16.

Over gently rolling land, thru low sand hills and scattering undergrowth.

Ascend gradually over general SE. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



1937

18x18x12 ins., N. and S. of cor., 3 ft. dist. dig pits

From cor., Nava'jo Mt., bears N. 81°E.

S. end of Table Mt., bears S. 61°E.

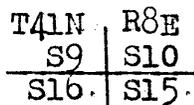
Continue over gently rolling land thru low sand hills.

Asc. over general SE. slope.

42.00 Draw, course SE.

75.00 Low sand ridge, bears NE. and SW.; desc. slightly over NW. slope to.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with brass cap marked



1937

18x18x12 ins., in each sec. 3 ft. dist. dig pits

SUBDIVISION: PART OF T. 41 N., R. 8 E.

39

Chains	Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage and grease brush and cacti.
	S. 89°58'E., on a random line, bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line at 18 lks. S. of cor. of secs. 10, 11, 14 and 15. Thence, S. 89°54'W., on true line, bet. secs. 10 and 15. Over nearly level land, thru scattering undergrowth.
5.50	Leave nearly level and enter gently rolling land; asc. gradually over SE. slope.
25.00	Low sand ridge, bears NE. and S.; descend gradually over NW. slope thru low sand hills to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4} \frac{S 10}{S 15}$ 1937 18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits
	From cor., The Thumb and Finger Rock, bears N. 4°15'E. Castle Rock, bears N. 43°20'E. Red Butte, bears N. 85 $\frac{1}{4}$ °W. Desc. gradually over NW. slope.
43.50	Head of shallow draw, course N. 10°W.; asc. 28 ft. over NE. slope.
60.00	Low sand ridge, bears NW. and SE.; desc. 20 ft. over SW. slope.
69.00	Trail, bears NE. and SW., in head of shallow draw, course S.; asc. 15 ft. over SE. slope.
78.00	Low sand ridge, bears NE. and SW.; desc. gradually over NW. slope to
80.00	The cor. of secs. 9, 10, 15 and 16. Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage and grease brush and cacti.
	N. 0°02'W., bet. secs. 9 and 10. Over gently rolling land, thru low sand hills and scattering undergrowth. Desc. 40 ft. over NW. slope.
24.00	Draw, course NE.; asc. gradually over SE. slope to $\frac{1}{4}$ sec. cor.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

Chains							
24.80	Trail, bears NE. and SW.						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked						
	$\frac{1}{4}$						
	S9 S10.						
	1937						
	dig pits						
	18x18x12 ins., N. and S. of cor., 3 ft. dist.						
	Continue over gently rolling land, thru low sand hills; along general E. slope.						
66.25	Desc. 15 ft. over N. slope.						
69.40	Wash, 30 lks. wide, course NE.; asc. 45 ft. over sandy SE. slope to						
73.00	Asc. 60 ft. over white sandstone on SE. slope to						
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 3, 4, 9 and 10, with brass cap marked						
	<table style="margin: auto;"> <tr><td>T41N</td><td>R8E</td></tr> <tr><td>S4</td><td>S3</td></tr> <tr><td>S9</td><td>S10</td></tr> </table>	T41N	R8E	S4	S3	S9	S10
T41N	R8E						
S4	S3						
S9	S10						
	1937						
	raise a mound						
	of stone 4 ft. base, 2 ft. high, W. of cor.						
	Land, gently rolling.						
	Soil, sandy and rocky 4th rate.						
	Timber, none.						
	Undergrowth, native weeds, sage and grease brush and cacti.						
	N. 89°54'E., on a random line, bet. secs. 3 and 10.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.00	Intersect N. and S. line 14 lks. N. of cor. of secs. 2, 3, 10 and 11.						
	Thence,						
	West, on true line, bet. secs. 3 and 10.						
	Over gently rolling land thru low sand hills and scattering undergrowth. Desc. 30 ft. over NW. slope.						
20.00	Shallow draw, course NE.						
29.70	Trail, bears NE. and SW.						
38.70	Trail, bears NE. and SW., on low sand spur, sloping NE. Desc. slightly over NW. slope to						
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked						
	$\frac{1}{4}$ $\frac{S 3}{S 10}$						
	1937						

Chains

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

Desc. 15 ft. over NW. slope to

42.70 Wash, 15 lks. wide, course NE.; asc. 62 ft. over SE. slope.

54.00 Spur, slopes NE.; desc. 10 ft. over NW. slope.

55.50 Wash, 10 lks. wide, course NE.; asc. 67 ft. over sandy SE. slope to

69.00 Asc. 118 ft. over white sandstone on SE. slope to

80.00 The cor. of secs. 3, 4, 9 and 10.

Land, gently rolling.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage and grease brush and cacti.

N. 0°16'W., on a random line, bet. secs. 3 and 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.33 Intersect N. bdy. of Tp. at 32 lks. W. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described.

Thence,

S. 0°02'E., on true line, bet. secs. 3 and 4.

Over gently rolling land, thru scattering undergrowth.

Asc. gradually over NE. slope.

15.33 Low sand ridge, bears E. and W.; desc. 45 ft. over S. slope to $\frac{1}{4}$ sec. cor.

18.00 Trail, bears NE, and SW.

40.33 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S4 | S3

1937

18x18x12 ins., N. and S. of cor., 3 ft. dist. dig pits

From cor., S. end of Table Mt., bears S. 54°18'E.

Castle Rock, bears N. 61°40'E.

Red Butte, bears S. 83°12'W.

Desc. gradually over S. slope.

44.35 Draw, course E.; asc. 70 ft. over sandy N. slope to

70.85 Asc. 96 ft. over white sandstone on N. slope.

75.70 Ridge, bears NE. and SW. Point of same is about 10 chs. NE. Desc. 23 ft. over white sandstone on SE. slope to

80.33 The cor. of secs. 3, 4, 9 and 10.

Land, gently rolling.

Soil, sandy and rocky 4th rate.

Chains

Timber, none.
Undergrowth, native weeds, sage, and grease brush, cacti.

From the std. cor. of secs: 32 and 33, on S. bdy. of Tp. (10th Std. Parallel North) hereinbefore described.

N. 0°03'W., bet. secs. 32 and 33.

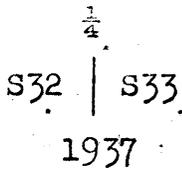
Over mountainous land, thru scattering undergrowth.

Desc. 142 ft. over broken NE. slope to

23.65 Wash, 20 lks. wide, course N. 10° W.; desc. 40 ft. over NW. slope.

37.75 Same wash, 20 lks. wide, course NE.; asc. 15 ft. over SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over a 4 in cross (+) cut in exposed surface sandstone, and in a mound of stone to top, for 1/4 sec. cor., with brass cap marked

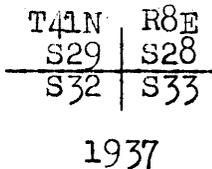


Asc. 34 ft. over SE. slope.

48.70 Sandstone spur, slopes E.; desc. 97 ft. over N. and NW. slopes

63.30 Wash, 20 lks. wide, course NE.; asc. 102 ft. over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone 3x3x2 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 28, 29, 32 and 33, with brass cap marked



Land, mountainous.
Soil, rocky 4th rate.
Timber, none.
Undergrowth, native weeds, sage and grease brush and cacti.

East, on a random line, bet. secs. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

80.20 Intersect N. and S. line, 5 lks. N. of cor. of secs. 27, 28, 33 and 34.

Thence,

N. 89°58'W., on true line, bet. secs. 28 and 33.

Over mountainous land, thru scattering undergrowth.

Chains	Desc. 194 ft. over W. slope.
25.00	Wash, 10 lks. wide, course SW.; asc. 55 ft. over SE. slope to
27.50	Thence along S. slope.
35.15	Desc. 95 ft. over SW. slope to
40.10	Set a brass cap $3\frac{1}{2}$ ins. diam., with stem 3 ins. long, in concrete, in solid rock, for $\frac{1}{4}$ sec. cor., with cap marked
	$\frac{1}{4}$ $\frac{S\ 28}{S\ 33}$
	1937
	raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
	Desc. 47 ft. over SW. slope.
41.90	Main wash, 50 lks. wide, course S. 10°E. in canyon; asc. 210 ft. over E. slope.
49.00	Right or west rim of canyon, bears N. and S. Leave canyon. Asc. 20 ft. over E. slope.
54.50	Point of spur, slopes NE.; asc. slightly over N. slope to
58.40	Right rim of gulch, bears NE. and SW.; desc. 75 ft. over NW. slope.
62.00	Wash, 20 lks. wide, course NE. in bottom of gulch; asc. 112 ft. over SE. slope to
66.50	Left rim of gulch, bears NE. and SW. Leave gulch. Asc. 89 ft. over SE. slope to
80.20	The cor. of secs. 28, 29, 32 and 33.
	Land, mountainous. Soil, rocky 4th rate. Timber, none. Undergrowth; native grass, sage, grease brush and cacti.
	N. 0°03'W., bet. secs. 28 and 29.
	Over rolling land, thru scattering undergrowth.
	Asc. 35 ft. over white sandstone on SE. slope.
6.00	Sandstone spur, slopes NE.; desc. 120 ft. over broken sandstone on NW. and N. slopes to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., on solid rock, with a stone 4x4x2 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S29. S28
	1937
	Desc. 67 ft. over N. slope.
55.00	Main wash, 100 lks. wide, course E. in Ferry Swale, asc. 56 ft. over SE. slope to

SUBDIVISION: PART OF T. 41 N., R. 8 E.

44

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap marked

T41N	R8E.
S20	S21
S29	S28

1937

18x18x12 ins., in each sec., 3 ft. dist. dig pits

From cor., Peak, bears N. 87°W., about 10 miles dist.

Peak, bears S. 51 $\frac{1}{2}$ °W., 5 miles dist.

Cave, bears N. 51°W., 1/2 mile dist.

Land, rolling.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

S. 89°58'E., on a random line, bet. secs. 21 and 28.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

80.10

Intersect N. and S. line, 5 lks. S. of cor. of secs. 21, 22, 27 and 28.

Thence,

West, on true line, bet. secs. 21 and 28.

Over gently rolling land thru scattering undergrowth. Asc. gradually over SE. slope.

9.00

Low spur, slopes NE.; asc. gradually over N. slope.

21.00

Desc. gradually over NW. slope.

37.50

Wash, 50 lks. wide, course NE. in Ferry Swale. Asc. gradually over SE. slope to

40.05

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 21
	S 28

1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

Continue over gently rolling land, thru low sand hills in Ferry Swale. Asc. gradually over SE. slope to sec. cor.

65.00

Wash, 20 lks. wide, course SE.

80.10

The cor. of secs. 20, 21, 28 and 29.

Land, gently rolling.

Soil, sandy, 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

Chains	N. 0°03'W., bet. secs. 20 and 21. Over gently rolling sandy land, thru scattering undergrowth. Asc. gradually over SE. slope.
12.00	Desc. slightly over NE. slope.
17.70	Wash, 20 lks. wide, in bend, course SE. from SW. Asc. slightly over S. slope to
20.00	Foot of sandstone outcropping, brs. E. and W. Leave gently rolling and enter mountainous land. Asc. 186 ft. over steep S. slope to
30.42	Top of sandstone outcropping brs. NE. and SW. Leave mountainous and enter gently rolling land. Asc. 28 ft. over S. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in the ground to bedrock, with a stone 8x4x2 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\begin{array}{c} \frac{1}{4} \\ \text{S20} \mid \text{S21} \\ 1937 \end{array}$ Continue over gently rolling sandy land, thru scattering undergrowth. Asc. gradually over general S. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21, with brass cap marked $\begin{array}{cc} \text{T41N} & \text{R8E} \\ \text{S17} & \mid \text{S16} \\ \hline \text{S20} & \mid \text{S21} \end{array}$ 1937 18x18x12 ins., in each sec., 3 ft. dist. dig pits From cor., S. end of Table Mt., bears S. 64 $\frac{1}{2}$ °E. Navajo Mt., bears N. 80°E. Red Butte, bears N. 76°W. Land, gently rolling and mountainous. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage and grease brush and cacti.
40.00	East, on a random line, bet. secs. 16 and 21. Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect the cor. of secs. 15, 16, 21 and 22. Thence, West, on true line, bet. secs. 16 and 21. Over gently rolling land thru low sand hills and scattering undergrowth.

SUBDIVISION: PART OF T. 41 N., R. 8 E.

46

Chains

Asc. gradually over general SE. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S \cdot 16}{S \ 21}$$

1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

From cor.; N. end of The Tower, bears N. $82\frac{1}{2}^{\circ}$ E.
 S. end of Table Mt., bears S. $63\frac{3}{4}^{\circ}$ E.
 Red Butte, bears N. $77\frac{1}{4}^{\circ}$ W.

Continue over gently rolling land, thru low sand hills and scattering undergrowth. Asc. gradually over S. slope to

80.00 The cor. of secs. 16, 17; 20 and 21.

Land, rolling sand hills.

Soil, sandy 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

N. $0^{\circ}03'$ W., bet. secs. 16 and 17.

Over gently rolling land, thru low sand hills and scattering undergrowth.

Asc. 82 ft. over S. slope.

35.00 Low sand ridge, bears E. and W. Desc. gradually over N. slope to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4}$$

S17 | S16

1937

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

From cor.; Navajo Mt., bears N. 81° E.
 S. end of Table Mt., bears S. $62\frac{1}{2}^{\circ}$ E.
 Center of Big Rock, bears N. $46\frac{1}{2}^{\circ}$ W.
 Castle Rock, bears N. $50\frac{1}{2}^{\circ}$ E.

Continue over gently rolling land thru sand hills and scattering undergrowth. Desc. gradually over N. slope.

54.00 Shallow draw, course E.; asc. gradually over SE. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 8, 9, 16 and 17, with brass cap marked

$$\begin{array}{c|c} T41N & R8E \\ \hline S8 & S9 \\ \hline S17 & S16 \end{array}$$

1937

18x18x12 ins., in each sec., 3 ft. dist., and set a dig pits

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BOOK 4157

47

Chains	<p>stone 10x10x4 ins., marked with a cross (+) as an additional witness object, alongside the cor.</p> <p>From cor., Navajo Mt., bears N. 82°E. S. end of Table Mt., bears S. 62°E. Red Butte, bears N. 85°W.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
40.00 80.00	<p>East, on a random line, bet. secs. 9 and 16.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line, 2 lks. S. of cor. of secs. 9, 10, 15 and 16.</p> <p>Thence, S. 89°59'W., on true line, bet. secs. 9 and 16.</p> <p>Over gently rolling land thru low sand hills and scattering undergrowth. Desc. gradually over NW. slope.</p> <p>Draw, course NE.; asc. gradually over SE. slope.</p> <p>Desc. gradually over SW. slope to</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p>
10.00 29.00 40.00	$\frac{1}{4} \frac{S 9}{S 16}$ <p>1937</p> <p>18x18x12 ins., E. and W., 3 ft. dist. dig pits</p> <p>From cor., Navajo Mt., bears N. 82°E. N. end of Table Mt., bears S. 62$\frac{3}{4}$°E. Red Butte, bears N. 85°W.</p> <p>Continue over gently rolling land, thru sandy hills and scattering undergrowth. Desc. gradually over SW. slope.</p> <p>Shallow wash, course SE.; asc. gradually over SE. slope to</p>
80.00	<p>The cor. of secs. 8, 9, 16 and 17.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p> <p>N. 0°03'W., bet. secs. 8 and 9.</p> <p>Over gently rolling land, thru low sand hills and scattering undergrowth.</p> <p>Ascend gradually over SE. slope to $\frac{1}{4}$ sec. cor.</p> <p>Head of draw, course SE.</p> <p>Low sand ridge, bears NE. and SW. Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p>

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48

Chains

	$\frac{1}{4}$ s8 s9 1937 dig pits 18x18x12 ins., N. and S. of cor., 3 ft. dist. From cor., Big Rock, bears N. 60°W. Navajo Mt., bears N. 83°E. Continue over gently rolling land, thru low sand hills and scattering undergrowth. Desc. gradually over NW. slope to sec. cor. 44.00 Head of draw, course NW. 63.60 Trail, bears NE. and SW. 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for cor. of secs. 4, 5, 8 and 9, with brass cap marked T41N R8E S5 S4 S8 S9 1937 from which Echo Peak, bears S. 12°48'W. High Rock, bears N. 11°44'E. Castle Peak, bears N. 62°09'E. Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	N. 89°59'E., on a random line, bet. secs. 4 and 9. 40.00 Set temp. $\frac{1}{4}$ sec. cor. 79.96 Intersect N. and S. line, 5 lks. S. of cor. of secs. 3, 4, 9 and 10. Thence, S. 89°57'W., on true line, bet. secs. 4 and 9. Over rolling land, thru scattering undergrowth. Asc. 25 ft. over white sandstone on SE. slope. 5.00 Ridge, bears NE. and SW.; desc. 70 ft. over white sand- stone on NW. slope. 17.85 Wash, 10 lks. wide, course NW. near head; leave white sandstone outcropping. Desc. gradually over NW. slope. 31.95 Draw, course NE. and trail brs. NE. and SW.; asc. grad- ually over E. slope to 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

Chains

$$\frac{1}{4} \frac{S 4}{S 9}$$

1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

From cor., Natural Bridge, bears N. 32°13'E.
Thumb and Finger rock, bears N. 10°22'E.

Continue over gently rolling land thru low sand hills and scattering undergrowth; asc. gradually over E. slope.

68.80 Trail, bears NE. and SW.

70.00 Ridge, bears NE. and SW.; desc. gradually over NW. slope to

79.96 The cor. of secs. 4, 5, 8 and 9.

Land, gently rolling.

Soil, sandy 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

N. 0°03'W., on a random line, bet. secs. 4 and 5.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. bdy. of Tp. at the cor. of secs. 4, 5, 32 and 33, hereinbefore described.

Thence,

S. 0°03'E., on true line, bet. secs. 4 and 5.

Over gently rolling land, thru scattering undergrowth.

Asc. gradually over NW. slope.

1.00 Spur, slopes NE.; desc. 73 ft. over SE. slope.

8.50 Wash, 20 lks. wide, course NE.; asc. 80 ft. over NW. slope.

15.25 Desc. 25 ft. over SW. slope.

24.40 Wash, 10 lks. wide, course W. Asc. 60 ft. over white sandstone on N. slope to

29.10 Sandstone rim, brs. E. and W. Thence over gently rolling land thru low sand hills; asc. 30 ft. over NW. slope to $\frac{1}{4}$ sec. cor.

39.00 Shallow draw, course NW.

40.10 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4}$$

S5 | S4

1937

18x18x12 ins., N. and S. of cor., 3 ft. dist. dig pits

From cor., Thumb and Finger rock, bears N. 14°17'E.

A high rock, bears N. 78°48'W.

Red butte, bears S. 82°06'W.

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50.

Chains	Continue over gently rolling land, thru low sand hills and scattering undergrowth. Asc. 120 ft. over NW. slope to
80.10	The cor. of secs. 4, 5, 8 and 9. Land, gently rolling. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	From standard cor. of secs. 31 and 32, on S. bdy. of Tp. (10th Standard Parallel North), hereinbefore described. N. 0°03'W., bet. secs. 31 and 32. Over mountainous land, thru scattering undergrowth. Desc. 190 ft. over sandstone on NW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., over an 8 in. cross (+) cut in surface rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked $\frac{1}{4}$ S31 S32 1937 Desc. 38 ft. over NW. slope to
49.35	Wash, 10 lks. wide, course NW.; desc. gradually over rocky W. slope.
69.70	Low saddle, bears E. and W.; desc. gradually over NW. slope to
80.00	Set a brass cap $3\frac{1}{2}$ ins. in diam., with 3 in. stem, in concrete, in solid rock, for cor. of secs. 29, 30, 31 and 32, with cap marked T41N R8E S30 S29 S31 S32 1937 of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound Land, mountainous. Soil, rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	East, on a random line, bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect the cor. of secs. 28, 29, 32 and 33. Thence, West, on true line, bet. secs. 29 and 32. Over rolling land, thru scattering undergrowth. Asc. 46 ft. over broken sandstone on SE. slope to

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51

Chains	
7.50	Sandstone ridge, brs. NE. and SW.; desc. 50 ft. over sandstone on NW. slope to
26.35	Wash, 10 lks. wide, course NE.; asc. 69 ft. over E. slope.
29.50	Spur, slopes N.; desc. 20 ft. over NW. slope to $\frac{1}{4}$ sec. cor.
40.05	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 29}{S 32}$
	1937
	Desc. slightly over NW. slope.
41.20	Wash, 20 lks. wide, course NE.; asc. gradually over E. slope.
49.20	Spur, slopes N.; desc. gradually over NW. slope.
59.00	Asc. 23 ft. over NE. slope.
78.00	Desc. 12 ft. over NW. slope to
80.10	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling. Soil, rocky and sandy, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	West, on a random line, bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.90	Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36, hereinbefore described.
	Thence,
	East, on true line, bet. secs. 30 and 31.
	Over mountainous land, thru scattering undergrowth.
	Desc. 85 ft. over broken E. slope.
3.00	Trail, brs. N. and S.
4.50	Wash, 20 lks. wide; course SE.; asc. 60 ft. over broken SW. slope.
13.30	Point of sandstone spur, slopes SE.; desc. 90 ft. over E. slope.
23.90	Wash, 100 lks. wide, course NE.; enter gently rolling land; asc. 27 ft. over NW. slope.
32.10	Spur, slopes NE.; desc. 33 ft. over SE. slope to
39.90	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 30}{S 31}$
	1937

SUBDIVISION: PART OF T. 41 N., R. 8 E.

Chains	
	<p style="text-align: right;">dig pits</p> <p>18x18x12 ins., E. and W. of cor., 3 ft. dist.</p> <p>Thence over level land, brs. NE. and SW.</p>
46.20	Leave level and enter gently rolling land; asc. 10 ft. over W. slope.
51.20	Spur, slopes N.; desc. 36 ft. over E. slope.
67.20	Wash, 60 lks. wide, course NE.; asc. 35 ft. over NW. slope to sec. cor.
68.30	Trail, bears N. and S.
79.90	The cor. of secs. 29, 30, 31 and 32.
	<p>Land, mountainous, gently rolling and level. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
	<p>N.0°03'W., bet. secs. 29 and 30. Over gently rolling land, thru scattering undergrowth. Desc. 32 ft. over NW. slope.</p>
5.00	<p>Draw, course W.; water pocket 30 ft. diam., in sandstone, with water 2 ft. deep, brs. E. 50 lks. dist., and another water pocket 50 ft. diam., with water 2 ft. deep brs. W. 50 lks. dist.</p> <p>Asc. 60 ft. over S. slope.</p>
20.00	Sandstone spur, slopes west; desc. 20 ft. over NW. slope.
25.00	Draw, course W.; asc. 20 ft. over SW. slope.
29.10	Sandstone spur, slopes west; desc. 47 ft. over NW. slope to
40.00	<p>Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone 5x5x3 ins. marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S30 S29</p> <p style="text-align: center;">1937</p>
	Desc. 43 ft. over NW. slope.
61.00	Center of wash, 4.00 chs. wide, course SE. in Ferry Swale. Asc. 23 ft. over SE. slope to
65.00	Wash, 50 lks. wide, course SE.; asc. 80 ft. over SW. slope to
74.00	Asc. 35 ft. over S. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to bedrock, with a stone 4x4x4 ins., marked with a cross (+) deposited at base, and in a mound of stone to top for cor. of secs. 19, 20, 29 and 30, with brass cap marked

Chains

T41N	R8E
S19	S20
S30	S29

1937

Land, gently rolling and broken.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

East, on a random line, bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line, 5 lks. N. of cor. of secs. 20, 21, 28 and 29.

Thence,

N. 89°58'W., on true line, bet. secs. 20 and 29.

Over gently rolling land, thru low sand hills and scattering undergrowth, in Ferry Swale.

Ascend gradually over SE. slope to

18.00 Foot of sandstone outcropping bearing NE. and SW. From this point a cave bears N. in a cove about 20 chs. dist. at head of wash, course easterly. Most of the year there is a dripping of water from ledges around this cove which is known as Smiths Cove. SW. of this point on sec. line and about 8 chs. dist., is a cave in which was found the skeleton of a human being supposedly 1000 years old. As was to be expected when the skeleton was gathered up in the arms of Chief of Party it disintegrated, all except the skull.

Leave gently rolling land and enter mountainous land.

Asc. 111 ft. over sandstone on broken SE. slope.

32.10 Sandstone spur, slopes SW. Leave mountainous and enter broken land. Desc. 13 ft. over NW. slope.

35.40 Gully, 10 lks. wide, course SW.; asc. 28 ft. over SE. slope to

40.05 Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, with a stone 4x4x3 ins., marked with a cross (+) deposited at base, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 20
	S 29

1937

Continue over broken land; asc. gradually over SE. slope to

44.00 Leave broken and enter mountainous land; asc. 63 ft. over SE. slope to

48.90 Spur, slopes S.; desc. 27 ft. over broken SW. slope to

52.50 Leave mountainous and enter gently rolling and broken land, along S. slope to

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54

Chains	
80.10	<p>The cor. of secs. 19, 20, 29 and 30.</p> <p>Land, gently rolling, broken and mountainous. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
40.00	<p>West, on a random line, bet. secs. 19 and 30.</p> <p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.80	<p>Intersect W. bdy. of Tp. at 2 lks. N. of cor. of secs. 19, 24, 25 and 30, hereinbefore described.</p> <p>Thence,</p> <p>N. 89°59'E., on true line, bet. secs. 19 and 30.</p> <p>Over gently rolling land, thru scattering undergrowth.</p> <p>Desc. gradually over NE. slope to</p>
36.60	<p>Wash, 70 lks. wide, course SE.; desc. gradually over S. slope to</p>
39.80	<p>Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S 19}{S 30}$</p> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., E. and W. of cor., 3 ft. dist.</p> <p>Alongside cor., set a stone 12 ins. long, 6 ins. wide, and 4 ins. thick, marked on side with a cross (+) as additional witness object.</p> <p>Desc. gradually over SE. slope.</p>
49.50	<p>Draw, 30 lks. wide, course SE.; continue gradual descent over SE. slope.</p>
67.40	<p>Trail, bears NE. and SW.</p>
69.00	<p>Wash, 30 lks. wide, course SE.; asc. gradually over broken sandstone formation on SW. and S. slopes to</p>
79.80	<p>The cor. of secs. 19, 20, 29 and 30.</p> <p>Land, gently rolling and broken. Soil, sandy and rocky 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
7.30	<p>N. 0°03'W., bet. secs. 19 and 20.</p> <p>Over mountainous land over sandstone, thru scattering undergrowth.</p> <p>Asc. 103 ft. over S. slope to</p> <p>Rim of sandstone formation, bears E. and NW. Leave mountainous and enter gently rolling sandy land.</p> <p>Asc. gradually over W. and SW. slopes to</p>

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

S19 | S20

1937

dig pits

18x18x12 ins., N. and S. of cor., 3 ft. dist.

Continue over gently rolling, sandy land, thru scattering undergrowth. Asc. gradually over SW. slope to sec. cor.

41.20 Trail, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 17, 18, 19 and 20, with brass cap marked

T41N R8E
S18 | S17
S19 | S20

1937

dig pits

18x18x12 ins., in each sec., 3 ft. dist.

Land, mountainous and gently rolling.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

S. 89°58'E., on a random line, bet. secs. 17 and 20.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line, 5 lks. S. of cor. of secs. 16, 17, 20 and 21.

Thence,

West, on true line, bet. secs. 17 and 20.

Over gently rolling land, thru low sand hills and scattering undergrowth.

Asc. gradually over S. slope to

39.98 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 17
S 20

1937

dig pits

18x18x12 ins., E. and W. of cor., 3 ft. dist.

From cor., S. end Table Mt., bears S. 65 $\frac{1}{2}$ °E.

N. end Chimney Rock, bears N. 83°E.

Red Butte, bears N. 75°W.

Continue over gently rolling land, thru low sand hills and scattering undergrowth. Desc. gradually over S. and SW. slopes to

79.96 The cor. of secs. 17, 18, 19 and 20.

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56

Chains	
	Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	S. 89°59'W., on a random line, bet. secs. 18 and 19.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.75	Intersect W. bdy. of Tp. 7 lks. N. of cor. of secs. 13, 18, 19 and 24, hereinbefore described.
	Thence,
	N. 89°56'E., on true line, bet. secs. 18 and 19.
	Over nearly level land, thru scattering undergrowth.
	Desc. slightly over NE. slope to
39.75	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$ $\frac{S 18}{S 19}$
	1937
	dig pits
	18x18x12 ins., E. and W. of cor., 3 ft. dist.
	Continue over nearly level land, thru scattering undergrowth; desc. slightly over NE. slope to
60.75	Draw, course SE.; enter gently rolling land; asc. gradually over SW: slope to
79.75	The cor. of secs. 17, 18, 19 and 20.
	Land; nearly level and gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	N. 0°03'W., bet. secs. 17 and 18.
	Over gently rolling sandy land, thru scattering undergrowth.
	Asc. 50 ft. over SW. slope.
30.00	Low flat topped sand ridge, bears NW. and SE.; desc. gradually over NE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4}$
	S18 S17
	1937
	dig pits
	18x18x12 ins., N. and S. of cor., 3 ft. dist.
	From cor., S. edge of Table Mt., bears S. 65 $\frac{1}{2}$ °E. N. edge of The Tower, bears N. 84 $\frac{1}{4}$ °E. Center of Red Butte, bears N. 78 $\frac{3}{4}$ °W.
	Continue over gently rolling sandy land; thru scattering undergrowth.

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EOW 117

57

Chains	Desc. gradually over NE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap marked
	$\begin{array}{c c} T41N & R8E \\ \hline S7 & S8 \\ \hline S18 & S17 \end{array}$
	1937
	dig pits
	18x18x12 ins., in each sec., 3 ft. dist.
	From cor., SE. end of red salient of rock, on E. side of Warm Springs Canyon, bears N. 65°E. S. edge of The Tower, bears N. 87½°E. Red Butte, bears N. 84°W.
	Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	East, on a random line, bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect the cor. of secs. 8, 9, 16 and 17.
	Thence,
	West, on true line, bet. secs. 8 and 17.
	Over gently rolling land, thru scattering undergrowth.
	Asc. gradually over SE. and S. slopes to
39.97	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S 8}{S 17}$
	1937
	dig pits
	18x18x12 ins., E. and W. of cor., 3 ft. dist.
	Continue over gently rolling land, thru scattering undergrowth. Asc. gradually over S. slope to
74.90	Draw, course SE., asc. slightly over NE. slope to
79.94	The cor. of secs. 7, 8, 17 and 18.
	Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	S. 89°56'W., on a random line, bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
79.60	Intersect W. bdy. of Tp. 5 lks. N. of cor. of secs. 7, 12, 13 and 18, hereinbefore described.
	Thence,

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Chains	<p>N. 89°54'E., on true line, bet. secs. 7 and 18. Over gently rolling land, thru scattering undergrowth. Asc. gradually over SW. slope to</p> <p>39.60 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S 7}{S 18}$</p> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., E. and W. of cor., 3 ft. dist.</p> <p>From cor., S. end of Table Mt., bears S. 63°44'E. Castle Rock, bears N. 60°38'E. Thumb and Finger Rock, bears N. 19°42'E.</p> <p>Continue over gently rolling land, thru scattering undergrowth; asc. gradually over SW. slope.</p> <p>44.60 Low sand ridge, bears NW. and SE.; desc. gradually over NE. slope to</p> <p>79.60 The cor. of secs. 7, 8, 17 and 18.</p> <p>Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.</p>
	<p>N. 0°03'W., bet. secs. 7 and 8. Over gently rolling land, thru scattering undergrowth. Desc. gradually over NE. slope.</p> <p>3.00 Shallow draw, course SE.; asc. gradually over SW. slope.</p> <p>30.00 Ridge, bears NW. and SE.; desc. gradually over NE. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked</p> <p style="text-align: center;">$\frac{1}{4}$</p> <p style="text-align: center;">S7 S8</p> <p style="text-align: center;">1937</p> <p style="text-align: right;">dig pits</p> <p>18x18x12 ins., N. and S. of cor., 3 ft. dist.</p> <p>From cor., Table Rock Mt., bears S. 61°17'E. South end of the Henry Mts., bears N. 66°03'E. Castle Rock, bears N. 62°14'E.</p> <p>Continue over gently rolling land, thru scattering undergrowth; desc. gradually over NE. slope.</p> <p>50.00 Draw, course E.; asc. gradually over S. slope.</p> <p>60.00 Ridge, bears NE. and W.; desc. 55 ft. over N. slope to sec. cor.</p> <p>65.00 Sandstone outcropping, bears E. and W.</p>

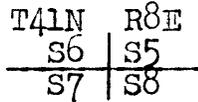
SUBDIVISION: PART OF T. 41 N., R. 8 E.

415.

Chains

80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 26 ins. in the ground for cor. of secs. 5, 6, 7 and 8, with brass cap marked



1937

18x18x12 ins., in each sec., 3 ft. dist. dig pits

From cor., South end of High Rock, bears N. 59°05'W.
Thumb and Finger Rock, bears N. 19°05'E.
Castle Rock, bears N. 66°15'E.

Land, gently rolling.
Soil, sandy, 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

East, on a random line, bet. secs. 5 and 8.

40.00

Set temp. 1/4 sec. cor.

79.92

Intersect N. and S. line, 2 lks. S. of cor. of secs. 4, 5, 8 and 9.

Thence;

S. 89°59'W., on true line, bet. secs. 5 and 8.

Over gently rolling land, thru scattering undergrowth.

Desc. gradually over NW. slope.

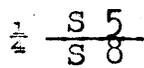
37.50

Draw, course NE.; asc. gradually over SE. slope.

39.96

Low spur, slopes NE.

Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground, for 1/4 sec. cor., with brass cap marked



1937

18x18x12 ins., E. and W. of cor., 3 ft. dist. dig pits

From cor., Thumb and Finger Rock, bears N. 6°22'E.
S. end of High Rock, bears N. 59°05'W.

Continue over gently rolling land, thru scattering undergrowth; desc. gradually over NW. slope.

65.00

Draw, course NW.; desc. gradually over N. slope to

79.92

The cor. of secs. 5, 6, 7 and 8.

Land, gently rolling.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

SUBDIVISION:

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Chains	S. 89°54'W., on random line, bet. secs. 6 and 7.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.50	Intersect West bdy. of Tp. 28 lks. S. of cor. of secs. 1, 6, 7 and 12, hereinbefore described.
	Thence,
	S. 89°54'E., on true line, bet. secs. 6 and 7.
	Over gently rolling land, thru scattering undergrowth.
14.50	Draw, course NE.; asc. gradually over N. and NW. slopes to
39:50	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\frac{1}{4} \frac{S.6}{3.7}$
	1937
	dig pits
	18x18x12 ins., E. and W. of cor., 3 ft. dist.
	From cor., S. end of High Rock, bears N. 49°50'W. Thumb and Finger rock, bears N. 21°41'E. Castle Rock, bears N. 67°51'E.
	Continue over gently rolling land, thru scattering undergrowth; asc. gradually over NW. slope.
47.50	Low spur, slopes N.; desc. gradually over E. slope.
53.00	Draw, course N.; asc. gradually over NW. and N. slopes to
79.50	The cor. of secs. 5, 6, 7 and 8.
	Land, gently rolling. Soil, sandy 4th rate. Timber, none. Undergrowth, native weeds, sage, grease brush and cacti.
	N. 0°03'W., on a random line, bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. bdy. of Tp. at the cor. of secs. 5, 6, 31 and 32, hereinbefore described.
	Thence,
	S. 0°03'E., on true line, bet. secs. 5 and 6.
	Over level top of ridge, bearing NE. and SW. thru scattering undergrowth.
15.00	SE. edge of top of ridge bearing NE. and SW. Leave top of ridge and enter gently rolling land; desc. gradually over SE. slope to
33.80	Draw, course NE.; asc. gradually over N. slope.
38.70	Spur, slopes E.; desc. gradually over S. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

SUBDIVISION: PART OF T. 41 N., R. 8 E.

BOOK 4157

Chains

1/2
S6 | S5
1937

18x18x12 ins., N. and S. of cor., 3 ft. dist. dig pits

From cor., Red Butte, bears S. 84°W.
Big Rock, bears N. 59°W.
Red salient of rock, NE. of Warm Springs,
bears N. 60°50'E.

Continue over gently rolling land, thru scattering under-
growth; desc. gradually over S. slope.

50.00 Low swale, course E.; asc. gradually over N. slope to

80.00 The cor. of secs. 5, 6, 7 and 8.

Land, gently rolling.
Soil, sandy, 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

Traverse of the Right Rim of Glen Canyon
of the Colorado River in
T. 41 N., R. 8 E.

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Traverse thru sec. 35, from the witness cor. to std. cor. of secs. 34 and 35, which is 20 lks. N. $0^{\circ}01'W.$, from true point for said cor.

Over rolling and broken land, thru scattering undergrowth.

N. $21\frac{1}{2}^{\circ}E.$, 42.70 chs. to temp. monument set on rim at 15.49 chs. E. from $\frac{1}{2}$ sec. cor. of secs. 34 and 35 as hereinbefore described, thence

N. $33\frac{1}{2}^{\circ}E.$, 48.00 chs. to temp. monument on line bet. secs. 26 and 35, set on right rim of canyon 42.47 chs. East from cor. of secs. 26, 27, 34 and 35.

Land, rolling and broken.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, sage, grease brush, weeds and cacti.

Traverse thru sec. 26.

Over rolling land, thru scattering low undergrowth.

N. $55^{\circ}00'E.$, 20.43 chs., thence

East, 20.80 chs. to computed point of intersection of the right rim of Glen Canyon with the line bet. secs. 25 and 26, at 11.72 chs. N. $0^{\circ}1'W.$, from true point for cor. of secs. 25, 26, 35 and 36, and 80.00 chs. in E. departure from cor. of secs. 26, 27, 34 and 35. Set temp. monument at this point of intersection for traverse of canyon rim thru sec. 25.

Land, rolling.
Soil, sandy and rocky, 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

Traverse thru sec. 25.

Over rolling and broken land, thru scattering low undergrowth.

N. $31\frac{1}{2}^{\circ}E.$ 80.08 chs. to temp. monument on line bet. secs. 24 and 25, set on right rim of Glen Canyon at 41.86 chs. East of cor. of secs. 23, 24, 25 and 26.

Land, rolling and broken.
Soil, sandy and rocky 4th rate.
Timber, none.
Undergrowth, native weeds, sage, grease brush and cacti.

Traverse of the Right Rim of Glen Canyon
of the Colorado River in
T. 41 N., R. 8 E.

BOOK 4157

63

Traverse thru sec. 24.

Over rolling and broken land, thru scattering low undergrowth.

N. $23\frac{1}{4}^{\circ}$ W., 87.07 chs. to temp. monument on line bet. secs. 13 and 24, set on right rim of Glen Canyon 7.51 chs. East of the cor. of secs. 13, 14, 23 and 24.

Land, rolling and broken.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

Traverse thru sec. 13. (S. $\frac{1}{2}$)

Over rolling and broken land, thru scattering low undergrowth.

N. $0^{\circ}01'$ W., 40.00 chs. to temp. monument on right rim of Glen Canyon at 7.51 chs. E. of the $\frac{1}{4}$ sec. cor. of secs. 13 and 14.

Land, rolling and broken.

Soil, sandy and rocky 4th rate.

Timber, none.

Undergrowth, native weeds, sage, grease brush and cacti.

GENERAL DESCRIPTION

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The land within the portion of this township which was surveyed as described in the foregoing notes, lies on the plateau above and west of the Glen Canyon of the Colorado River, between Lees Ferry; Arizona, and the Arizona-Utah state boundary line. The elevation ranges from 3,500 to 5,000 feet above sea level; the lowest areas being along Wahweap Creek in the northeastern part and the highest points along the South bdy. of the township. The entire area is subject to heavy snowfall yearly; has the customary summer showers and while the temperature during the winter months drops as low as 40° below zero, in summer it rises to as high as 100° above. The formation is chiefly sandstone, and the soil is sand, with average depth of three feet to bed-rock. Towering formations, assuming various peculiar shapes, rise from the sandy levels; the dome shaped hills predominate and in all of these are found large and small caves usually facing the south, in which at one time, in the distant past, have lived tribes of Indians. The caves, after excavation work, yield old pottery, arrows, spears and also skeletons. The great number of arrowheads found indicate the past presence of quite a large population.

The drainage is into the Colorado River. Glen Canyon of said river forms the southeastern barrier to completion of the surveys of the township. The sides of the canyon are sheer walls, 600 to 900 feet high; only two or three places were found where conditions were favorable to climb down to the river. The Colorado River in the bottom of the canyon is bordered part of the way through the township by strips of land, with growth of dense brush on same. Elsewhere, there is no footing along the base of the cliffs.

The soil is only fitted for the growth of native weeds, sage, grease brush, cacti and grasses.

A few hackberry trees grow in scattered parts of the area surveyed, including the northern edge of Ferry Swale which drains through the south center of the township in an easterly direction.

The Wahweap Creek, which is about 100 lks. wide, with depth of 1 to 3 ft. of poor quality water, drains from distant parts of Utah to its entry into the Colorado River in sec. 13. This creek flows through a formidable gorge which starts in sec. 1, and in sec. 13, the depth of same equals that of the Glen Canyon.

In sec. 31, there is a peculiar sandstone formation, consisting of natural wells, which retain surface water for long periods of time and is usable until contaminated. These holes are close to the old trail from Lees Ferry to points in Utah, including Warm Creek Canyon; it is said the notorious John D. Lee often traveled this trail to and from his various polygamous settlements. In the winter months especially, the formation of the land assists in retaining a water supply. In the SE. quarter of sec. 20, there is a cove known as Smith's Cove on the north side of the Ferry Swale, which drips water from its northern walls until the middle of the month of May.

No living water was found elsewhere.

No settlers live in the township.

Stockmen from Arizona and Utah, range their cattle and sheep throughout the area in the cold season.

Two trails from Lees Ferry enable the area to be reached from the south.

No evidence of mineral was noted.

The lands are fit for grazing only.

The center of the Colorado River forms the boundary of the Navajo Indian Reservation, the lands to the east of the river being within said Reservation.

FINAL TEST OF INSTRUMENT

March 21, 1937: at station at cor. of Ts. 41 and 42 N., Rs. 8 and 9 E., G. & S.R. Meridian, Arizona, in latitude $36^{\circ}59'21''$ N., longitude $111^{\circ}28'23''$ W., and on the meridian determined at this station by Polaris observation on March 20 and 21 with Young and Son's transit No. 8570 as described in field notes of T. 41 N., R. 9 E., test the solar apparatus of Buff transit No. 18000 as follows:

At 9h. 00m., a.m., app.t., set off $36^{\circ}59\frac{1}{2}'$ N. on the lat. arc; $0^{\circ}16\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar, which agrees with the true meridian.

At app. noon, with the lat. arc unchanged, observe the sun on the meridian, and obtain a reading of $0^{\circ}19\frac{1}{2}'$ N. on the decl. arc, which agrees with the computed declination of the sun.

At 3h. 00m., p.m., with the lat. arc unchanged, set off $0^{\circ}22\frac{1}{2}'$ N. on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations taken during the usual hours of solar work agree within 1' with the true meridian, conclude that this instrument has remained in satisfactory adjustment throughout the surveys executed with same which are described in the foregoing field notes.

CERTIFICATE OF UNITED STATES SURVEYOR

I, Elliott Pearson Transitman (P.W.), hereby certify upon honor that, in pursuance
 supplemental
 of special instructions received from the District Cadastral Engineer for Arizona
 bearing date of the 27th day of March, 1936, I have well, faithfully, and truly
 in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
 tions, and the laws of the United States, surveyed all those parts or portions of
the North Boundary
 and
Subdivision Lines of
Township 41 North, Range 8 East of the Gila and
Salt River Meridian, in the State of Arizona, which are represented in
 the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
 said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
 tions, and the supplemental
 special written instructions of the District Cadastral Engineer for Arizona
 and in the specific manner described in the field notes, and that the foregoing are the original field notes of
 such survey.

Fredonia, Arizona
 January 4, 1938

Elliott Pearson
 Transitman (P.W.)

~~APPROVAL~~

~~OFFICE OF U. S. SUPERVISOR OF SURVEYS,~~

~~19~~

~~The foregoing field notes of the survey of~~

~~executed by~~
~~under his special instructions dated~~ 10 ~~19~~ ~~having been~~
~~critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys~~
~~they describe, are hereby approved.~~

~~U. S. Supervisor of Surveys.~~

~~I certify that the foregoing transcript of the field notes of the above-described surveys in~~
~~has been correctly copied from the original notes on file in this office.~~

~~U. S. Supervisor of Surveys.~~

CERTIFICATE OF UNITED STATES SURVEYOR

I, Benjamin J. Kinsey, Surveyor, hereby certify upon honor that, in pursuance supplemental of special instructions received from the District Cadastral Engineer for Arizona

bearing date of the 27th day of March, 1936, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of 10th Standard Parallel North in Range 8 East; West Boundary, North Boundary, Subdivision Lines of, and Right or West rim of Glen Canyon of the Colorado River in

Township 41 North, Range 8 East of the Gila and Salt River Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the supplemental special written instructions of the District Cadastral Engineer for Arizona

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Feb. 15, 1938. Phoenix, Arizona

Benjamin J. Kinsey, Surveyor.

APPROVAL

OFFICE OF SUPERVISOR OF SURVEYS,

Denver, Colorado, June 29, 1938.

The foregoing field notes of the survey of 10th Standard Parallel North thru part of Range 8 East; West Boundary, North Boundary, Part of Subdivision Lines of, and Traverse of Right or West rim of Glen Canyon of the Colorado River thru Part of, Township 41 North, Range 8 East, of the Gila and Salt River Meridian, in the State of Arizona.

executed by Benjamin J. Kinsey, Surveyor, and Elliott Pearson, Transitman (P.W.) supplemental under special instructions dated March 27, 1936 for Group 181, Ariz., having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Elliott Pearson, Supervisor of Surveys.

I certify that the foregoing transcript of the field notes of the above described surveys in, has been correctly copied from the original notes on file in this office.

Supervisor of Surveys.