

4-379  
(April 1933)

BOOK 4128

# FIELD NOTES

4128

of the SURVEY of the

NORTH BOUNDARY

and

SUBDIVISION LINES

of

TOWNSHIP 39 NORTH, RANGE 4 EAST

Of the Gila and Salt River Base and Meridian,

In the State of ARIZONA

EXECUTED BY

DANIEL M. WEIR and

ELLIOTT PEARSON

U. S. TRANSITMEN

Under special instructions dated July 30, 1936, which provided for the surveys included under Group No. 207, bearing the approval of the Commissioner of the General Land Office under date of August 12, 1936 and assignment instructions dated August 12 and Sept. 8, 1936

Survey commenced October 6, 1936

Survey completed November 17, 1936




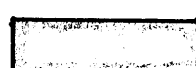

4128

4128

BOOK 4128

# INDEX DIAGRAM.

Township 39 NORTH		Range 4 EAST		
3	4	5	6	7
6	54 5	43 4	35 3	26 2 17 1
54	53	42	34	25 17
7	52 8	41 9	33 10	24 11 16 12
51	51	40	32	24 15
18	50 17	40 16	31 15	23 14 14 13
49	49	39	31	22 14
19	47 20	38 21	29 22	21 23 13 24
47	46	37	29	20 12
30	46 29	37 28	28 27	19 26 11 25
45	44	36	27	19 9
31	44 32	35 33	27 34	18 35 9 36

-  Accepted surveys.
-  Surveyed under this group.
-  Surveyed under current group No. 181.
-  Areas surveyed as per accepted plats on file.
-  Areas surveyed under group No. 181.

Survey: North Boundary T. 39 N., R. 4 E.

Chains

The survey of the subdivisions of T. 39 N., R. 4 E. was executed with Young and Sons transits 8526 and 8540. For description and tests of instruments, description of other equipment and method of survey, see field notes of the subdivisions of T. 41 N., R. 2 E., surveyed under this group.

From the cor. of Ts. 39 and 40 N., Rs. 4 and 5 E., established under current group No. 181 and described in the notes of the survey of the W. bdy. of T. 39 N., R. 5 E.

West, on a random line, setting temp. cors. at intervals of 40.00 chs. and at 479.30 chs. intersect N. and S. line, 14 lks. S. of the cor. of Ts. 39 and 40 N., Rs. 3 and 4 E., which is an iron post, 3 ins. diam., projecting 18 ins. above ground, firmly set in a mound of stone with brass cap properly mkd. and witnessed by four bearing trees, each properly mkd. and bearing N.  $63\frac{1}{2}^\circ$  E., 237 lks. dist., S.  $39^\circ$  E., 163 lks. dist.; S.  $58\frac{1}{4}^\circ$  W., 82 lks. dist., and N.  $64\frac{1}{4}^\circ$  W., 59 lks. dist.

Thence

S.  $89^\circ 59'$  E. bet. secs. 31 and 6.

Over nearly level land, thru dense timber and scattering undergrowth.

15.00 Swale, course N.; asc. 29 ft. over gentle west slope.

23.00 Thence over level land.

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

$\frac{1}{4}$  S 31  
S 6

1936

from which

Pinyon, 14 ins. diam., brs. N.  $59\frac{1}{4}^\circ$  E., 174 lks. dist., mkd.  $\frac{1}{4}$  S 31 BT.

Juniper, 15 ins. diam., brs. S.  $45^\circ$  E., 103 lks. dist., mkd.  $\frac{1}{4}$  S 6 BT.

Desc. 62 ft. over E. slope.

78.00 Draw, 5 lks. wide, course N.

79.30 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a mound of stone to top for cor. of secs. 5, 6, 31 and 32, with brass cap mkd.

T 40 N R 4 E  
S 31 | S 32  
S 6 | S 5  
T 39 N

1936

from which

Juniper, 36 ins. diam., brs. N.  $66^\circ$  E., 18 lks. dist., mkd. T 40 N R 4 E S 32 BT.

Juniper, 14 ins. diam., brs. S.  $61\frac{3}{4}^\circ$  E., 34 lks. dist., mkd. T 39 N R 4 E S 5 BT.

Juniper, 12 ins. diam., brs. S.  $31^\circ$  W., 397 lks. dist., mkd. T 39 N R 4 E S 6 BT.

Survey: North Boundary T. 39 N., R. 4 E.

4.

Juniper, 10 ins. diam., brs. N.  $80\frac{1}{2}^\circ$  W., 151 lks. dist.,  
mkd. T 40 N R 4 E S 31 BT.

Land, nearly level and level.  
Soil, sandy, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush and rabbitweed.  
Grass, fair.

S.  $89^\circ 59'$  E. bet. secs. 5 and 32.

Over nearly level land, thru dense timber and scattering  
undergrowth; asc. 12 ft. over W. slope.

6.50 Desc. 38 ft. over E. slope.

16.50 Thence over level land.

31.50 Enter gently rolling land; desc. 50 ft. over E. slope.

38.30 Drain, 8 lks. wide, course N., enter rolling land; asc.  
35 ft. over W. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the  
ground to bedrock, and in a mound of stone to top, for  
 $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 32

S 5

1936

from which

Pinyon, 8 ins. diam., brs. N.  $5\frac{3}{4}^\circ$  E., 72 lks. dist.,  
mkd.  $\frac{1}{4}$  S 32 BT.

Pinyon, 18 ins. diam., brs. S.  $83^\circ$  E., 99 lks. dist.,  
mkd.  $\frac{1}{4}$  S 5 BT.

Asc. 20 ft. over W. slope.

43.40 Low ridge, brs. N. and S.; desc. 15 ft. over E. slope.

48.40 Thence over nearly level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in  
the ground for cor. of secs. 4, 5, 32 and 33, with  
brass cap mkd.

T 40 N R 4 E

S 32 S 33

S 5 S 4

T 39 N

1936

from which

Juniper, 6 ins. diam., brs. N.  $21^\circ$  E., 96 lks. dist.,  
mkd. T 40 N R 4 E S 33 BT.

Juniper, 7 ins. diam., brs. S.  $60^\circ$  E., 131 lks. dist.,  
mkd. T 39 N R 4 E S 4 BT.

Juniper, 10 ins. diam., brs. S.  $85^\circ$  W., 65 lks. dist.,  
mkd. T 39 N R 4 E S 5 BT.

Juniper, 30 ins. diam., brs. N.  $35^\circ$  W., 140 lks. dist.,  
mkd. T 40 N R 4 E S 32 BT.

## Chains

Land, nearly level, gently rolling and rolling.  
Soil, sandy, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush and rabbitweed.  
Grass, fair.

S. 89° 59' E. bet. secs. 4 and 33.

Over nearly level land, thru dense timber and scattering undergrowth.

- 3.50 Desc. 23 ft. over E. slope.  
18.50 Enter gently rolling land; desc. 19 ft. over E. slope.  
22.70 Wash, 10 lks. wide, course N.; asc. 25 ft. over W. slope.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \begin{array}{c} S 33 \\ S 4 \end{array}$$

1936

from which

✓ Juniper, 20 ins. diam., brs. S. 19 $\frac{1}{2}$ ° W., 89 lks. dist., mkd.  $\frac{1}{4}$  S 4 BT.

✓ Juniper, 24 ins. diam., brs. N. 36 $\frac{1}{2}$ ° W., 69 lks. dist., mkd.  $\frac{1}{4}$  S 33 BT.

- Continue over gently rolling land;  
45.00 Desc. 13 ft. over NE. slope.  
50.00 Swale, course NW.; asc. 61 ft. over W. slope.  
65.00 Spur, slopes N.; desc. 10 ft. over E. slope.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 3, 4, 33 and 34, with brass cap mkd.

$$T 40 N R 4 E$$

$$\begin{array}{c} S 33 | S 34 \\ S 4 | S 3 \end{array}$$

T 39 N

1936

from which

✓ Juniper, 20 ins. diam., brs. N. 45° E., 128 lks. dist., mkd. T 41 N R 4 E S 34 BT.

✓ Juniper, 34 ins. diam., brs. S. 31 $\frac{1}{2}$ ° E., 90 lks. dist., mkd. T 39 N R 4 E S 3 BT.

✓ Juniper, 10 ins. diam., brs. S. 41 $\frac{1}{2}$ ° W., 40 lks. dist., mkd. T 39 N R 4 E S 4 BT.

✓ Juniper, 14 ins. diam., brs. N. 14 $\frac{1}{2}$ ° W., 182 lks. dist., mkd. T 40 N R 4 E S 33 BT.

Land, nearly level and gently rolling.  
Soil, sandy, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush and rabbitweed.  
Grass, fair.

Survey: North Boundary T. 39 N., R. 4 E.

6.

Chains

S. 89° 59' E. bet. secs. 3 and 34.

Over nearly level land, thru dense timber and scattering undergrowth.

25.00 Drain, 5 lks. wide, course NW.; asc. gentle W. slope.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a mound of stone to top for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$  S 34  
S 3

1936

from which

Juniper, 6 ins. diam., brs. N. 50° W.; 222 lks. dist., mkd.  $\frac{1}{4}$  S 34 BT.

Juniper, 14 ins. diam., brs. S. 40 $\frac{1}{2}$ ° W., 272 lks. dist., mkd.  $\frac{1}{4}$  S 3 BT.

Asc. 31 ft. over W. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 2, 3, 34 and 35, with brass cap mkd.

T 40 N R 4 E  
S 34 | S 35  
S 3 | S 2  
T 39 N

1936

from which

Juniper, 10 ins. diam., brs. N. 48° E., 60 lks. dist., mkd. BT.

Pinion, 6 ins. diam., brs. S. 30° E., 109 lks. dist., mkd. BT.

Juniper, 12 ins. diam., brs. S. 13 $\frac{1}{4}$ ° W., 78 lks. dist., mkd. T 39 N R 4 E S 3 BT.

Juniper, 8 ins. diam., brs. N. 41 $\frac{1}{2}$ ° W., 103 lks. dist., mkd. T 40 N R 4 E S 34 BT.

Land, nearly level.

Soil, sandy, 3rd and 4th rate.

Timber, juniper, pinyon.

Undergrowth, sagebrush and rabbitweed.

Grass; fair.

S. 89° 59' E. bet. secs. 2 and 35.

Over nearly level land, thru dense timber and scattering undergrowth; asc. 10 ft. over W. slope.

10.00 Low spur, slopes N.; desc. 38 ft. over E. slope.

20.00 Swale, course N.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock and in a mound of stone to top for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

Survey: North Boundary T. 39 N., R. 4 E.

BOOK 4128

7.

Chains

$$\frac{1}{4} \frac{S 35}{S 2}$$

1936

from which

Pinyon, 6 ins. diam., brs. S.  $8^{\circ}$  W., 44 lks. dist.,  
mkd.  $\frac{1}{4}$  S 2 BT.

Juniper, 8 ins. diam., brs. N.  $51\frac{1}{4}^{\circ}$  W., 52 lks.  
dist., mkd.  $\frac{1}{4}$  S 35 BT.

Asc. 12 ft. over gentle NW. slope.

50.00 Wash, 10 lks. wide, course NW.; asc. 67 ft. over gentle NW slope to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground for cor. of secs. 1, 2, 35 and 36, with brass cap mkd.

$$\begin{array}{r} T 40 N R 4 E \\ S 35 | S 36 \\ \hline S 2 | S 1 \\ T 39 N \end{array}$$

1936

from which

Juniper, 12 ins. diam., brs. N.  $81\frac{1}{2}^{\circ}$  E., 300 lks.  
dist., mkd. T 40 N R 4 E S 36 BT.

Juniper, 10 ins. diam., brs. S.  $61\frac{1}{2}^{\circ}$  E., 180 lks.  
dist., mkd. T 39 N R 4 E S 1 BT.

Juniper, 14 ins. diam., brs. S.  $64\frac{1}{2}^{\circ}$  W., 145 lks.  
dist., mkd. T 39 N R 4 E S 2 BT.

Juniper, 14 ins. diam., brs. N.  $51\frac{1}{4}^{\circ}$  W., 85 lks.  
dist., mkd. T 40 N R 4 E S 35 BT.

Land, nearly level.

Soil, sandy, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, sagebrush and rabbitweed.

Grass, fair.

S.  $89^{\circ} 59'$  E. bet. secs. 1 and 36.

Over nearly level land, thru dense timber and scattering undergrowth.

151.00 Desc. 14 ft. over E. slope.

18.10 Swale, course N.; asc. 52 ft. over W. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.
$$\frac{1}{4} \frac{S 36}{S 1}$$

1936

from which

Juniper, 6 ins. diam., brs. S.  $85\frac{1}{4}^{\circ}$  W., 72 lks. dist.,  
mkd.  $\frac{1}{4}$  S 1 BT.

Survey: North Boundary T. 39 N., R. 4 E.

8.

Chains	Juniper, 8 ins. diam., brs. N. 42° E., 39 lks. dist., mkd. $\frac{1}{4}$ S 36 BT.
	Asc. 36 ft. over gentle W. slope.
75.50	Low ridge, brs. N. and S.; desc. 20 ft. over gentle E. slope to
80.00	Cor. of Ts. 39 and 40 N., Rs. 4 and 5 E., described in the field notes of the W.bdy. of T. 39 N., R. 5 E. surveyed under Land, nearly level. group 181. Soil, sandy, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.



Survey: Subdivision Lines T. 39 N., R. 4 E.

Book 4128

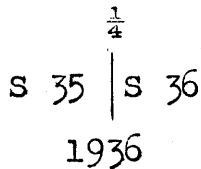
Chains

From the cor. of secs. 1, 2, 35 and 36 on S. bdy. of Tp. which is an iron post, projecting 10 ins. above ground with brass cap properly mkd. and witnessed by 4 pits, one in each sec., 3 ft. dist.

N. 0° 01' W. bet. secs. 35 and 36.

Over nearly level land thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, deposit a. stone 4 x 4 x 3 ins., mkd. with a cross (x) at base and raise a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.



50.00 Leave nearly level and enter rolling land; asc. 41 ft. over S. slope.

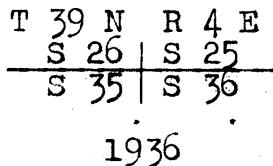
56.66 Top of hill; desc. 30 ft. over NW. slope.

58.81 Drain, course S. 15° W.; asc. 30 ft. over SE. slope.

64.06 Top of hill; desc. 74 ft. over NW. slope.

70.65 Wash, 15 lks. side, 2 ft. deep, course S. 20° W.; asc. 77 ft. over SE. slope.

80.00 Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground with cross (+) on sandstone, 4 x 4 x 2 ins. at base for cor. of secs. 25, 26, 35 and 36, with brass cap mkd.



No bearing trees available.

Land, nearly level and rolling.

Soil, sandy, 4th rate.

Timber, none

Undergrowth, sagebrush.

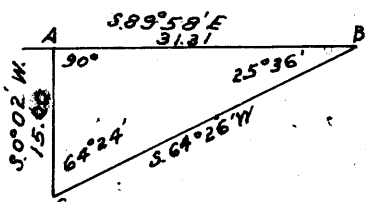
Grass, fair.

S. 89° 58' E. on a random line bet. secs. 25 and 36.

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

60.00 Base of Vermillion Cliffs with nearly perpendicular ascent. Chaining is impracticable, therefore, return to the temp.  $\frac{1}{4}$  sec. cor. to triangulate as follows:

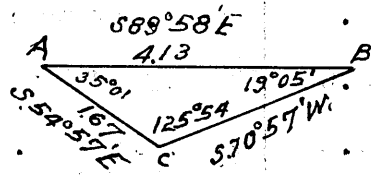
Designate temp.  $\frac{1}{4}$  sec. cor. of secs. 25 and 36 as point "A"



## Survey: Subdivision Lines T. 39 N., R. 4 E.

101

## Chains

- Set a flag "B" ahead on line at top of cliff.
- From point "A" measure a base S.  $0^{\circ} 02'$  W., 15.00 chs. and set flag "C" which bears S.  $64^{\circ} 26'$  W. from "B".
- The included angles of the triangle A, B, C, are  $90^{\circ}$ ,  $25^{\circ} 36'$  and  $64^{\circ} 24'$ , the sum of which is  $180^{\circ} 00'$ .
- Distance triangulated 31.31 chs.  
Distance chained to "A" 40.00 chs.  
Distance on line to "B" 71.31 chs.
- 71.31 Triangulation point at top of cliff brs. NW. and SE., continue line and measurement by chaining.
- 75.87 Edge of Vermillion Cliffs with nearly perpendicular descent. Chaining is impracticable, therefore triangulate as follows:
- Designate 75.87 ch. station on line as "A".
- Set a flag ahead on the true point <sup>for cor.</sup> of secs. 25, 30, 31 and 36, which is on line, as point "B". The vertical angle to which from point "A" is  $-39^{\circ} 54'$ .
- From flag "A" measure a base S.  $54^{\circ} 57'$  E., 1.67 chs. and set flag point at "C" which brs. S.  $70^{\circ} 57'$  W. from point "B".
- 
- The included angles of the triangle A, B, C, are  $35^{\circ} 01'$ ,  $19^{\circ} 05'$  and  $125^{\circ} 54'$ , the sum of which is  $180^{\circ}$  dist. triangulated 4.13 chs. Dist. on line 75.87 chs. Total 80.00 chs.
- 80.00 Intersect the true point for cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the Tp. established under current Group 181 and witnessed by 2 in. diam. brass capped iron post, 0.37 chs. N. as described in the notes of the survey of the W. bdy. of T. 39 N., R. 5 E.
- Thence from true cor. point, N.  $89^{\circ} 58'$  W. on true line bet. secs. 25 and 36.
- Over mountainous land, thru scattering timber and undergrowth.
- Asc. 228 ft. over nearly perpendicular E. face of the Vermillion Cliffs. Measurement by triangulation as hereinbefore described.
- 4.13 Triangulation point at edge of Vermillion Cliffs, brs. N. and S., resume chaining, asc. 42 ft. over E. slope.
- 8.69 Edge of Vermillion Cliffs, brs. N.  $75^{\circ}$  W. and S.  $75^{\circ}$  E., desc. approx. 500 ft. over nearly perpendicular cliffs. Measurement by triangulation as hereinbefore described.
- 20.00 Base of Vermillion Cliffs, resume chaining; desc. 120 ft. over W. slope to
- 40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, deposit a stone 4 x 4 x 3 ins., mkd. with a cross (+) at base of post, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

Survey: Subdivision Lines T. 39 N., R. 4 E.

BOOK 4128

11

## Chains

$$\frac{1}{4} \frac{S 25}{S 36}$$

1936

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

- Desc. 120 ft. over W. slope.
- 51.18 Wash, 10 lks. wide, 2 ft. deep, course S.  
Enter rolling land, asc. 44 ft. over E. slope.
- 60.64 Top of hill; desc. 66 ft. over NW. slope.
- 74.50 Junction of washes from NW. and NE. with wash 15 lks. wide  
2 ft. deep, course S.; asc. 65 ft. over NE. slope to
- 80.00 Cor. of secs. 25, 26, 35 and 36.
- Land, mountainous and rolling.  
Soil, rocky, 4th rate.  
Timber, juniper  
Undergrowth, sagebrush.  
Grass, poor.

N. 0° 01' W. bet. secs. 25 and 26.

Over rolling land, thru scattering timber and undergrowth;  
desc. 64 ft. over NE. slope.

- 5.29 Wash, 10 lks. wide, 2 ft. deep, course S. 70° E.; asc. 63  
ft. over SW. slope.
- 7.68 Desc. 20 ft. over broken W. slope.
- 15.44 Desc. 34 ft. over NW. slope.
- 17.89 Wash, 10 lks. wide, 2 ft. deep, course SW. for 2 chs., then  
SE.; asc. 44 ft. over SE. slope.
- 27.65 Desc. 71 ft. over broken W. slope.
- 34.96 Asc. 40 ft. over S. slope.
- 40.00 Base of Vermillion Cliffs.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the  
ground to bedrock, deposit a stone 4 x 5 x 3 ins., mkd.  
with a cross (x) at base of post and raise a mound of  
stone to top for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{2}$$

$$S 26 \quad | \quad S 25$$

1936

- No bearing trees available  
Discontinue chaining and triangulate as follows:  
Designate the cor. of secs. 25, 26, 35 and 36 as point "A".  
Set a flag "B" ahead on line at top of cliffs, the vertical  
angle to which from "A" is + 22° 04'.  
From point "B" measure a base S. 54° 57' E., 12.23 chs. and  
set a flag "C" which brs. N. 10° 52' E. from point "A".

Survey: Subdivision Lines T. 39 N., R. 4 E.

12.

Chains

The included angles of the triangle A, B, C. are  $10^{\circ} 53'$ ,  $54^{\circ} 56'$  and  $114^{\circ} 11'$ , the sum of which is  $180^{\circ}$ .

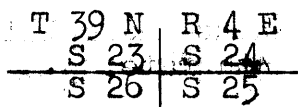
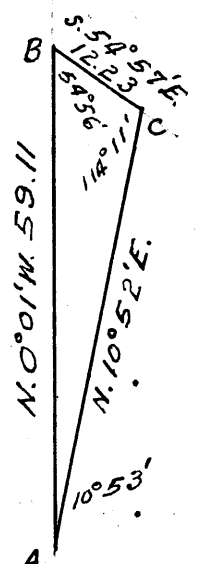
Distance triangulated 59.11 chs.  
 Distance chained 40.00 chs.  
 Distance from base of cliff to top of cliff 19.11 chs.

Asc. 1,627 ft. from base of cliff, over nearly perpendicular cliffs.

59.11 Edge of Vermillion Cliffs, brs. W. and S.  $80^{\circ}$  E.; asc. 9 ft. over S. slope.

60.50 Slope changes; desc. 37 ft. over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap mkd.



1936

from which

- ✓ Pinyon, 24 ins. diam., brs. N.  $13\frac{1}{2}^{\circ}$  E., 294 lks. dist., mkd. T 39 N R 4 E S 24 BT.
- ✓ Pinyon, 20 ins. diam., brs. S,  $50^{\circ}$  E., 77 lks. dist., mkd. T 39 N R 4 E S 25 BT.
- ✓ Pinyon, 18 ins. diam., brs. S,  $85\frac{1}{2}^{\circ}$  W., 166 lks. dist., mkd. T 39 N R 4 E S 26 BT.
- ✓ Pinyon, 20 ins. diam., brs. N.  $37^{\circ}$  W., 112 lks. dist., mkd. T 39 N R 4 E S 23 BT.

Land, rolling and mountainous.  
 Soil, rocky, 4th rate.  
 Timber, pinyon and juniper.  
 Undergrowth, sagebrush.  
 Grass, fair.

40.00 S.  $89^{\circ} 58'$  E. on a random line bet. secs. 24 and 25.

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

80.02 Intersect cor. of secs. 19, 24, 25 and 30. on the E. bdy. of Tp. established under current group No. 181 and described in the notes of the survey of the W. bdy. of T. 39 N., R. 5 E.

Thence, N.  $89^{\circ} 58'$  W. on true line bet. secs. 24 and 25.

Over rolling land, thru dense timber and scattering undergrowth; asc. 76 ft. over E. slope.

12.00 Top of ledge; desc. 12 ft. over W. slope.

21.60 Asc. 65 ft. over E. slope to

40.01 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

Chains	
	$\frac{1}{4} \frac{S 24}{S 25}$ <p>1936</p> <p>from which</p> <p>✓ Pinyon, 16 ins. diam., brs. S. 18° E., 83 lks. dist., mkd. <math>\frac{1}{4}</math> S 25 BT.</p> <p>✓ Pinyon, 14 ins. diam., brs. N. 35° W., 9 lks. dist., mkd. <math>\frac{1}{4}</math> S 24 BT.</p> <p>Asc. 53 ft. over E. slope.</p>
52.00	Divide, brs. NW. and SE, thence over gently rolling land.
70.00	Sandstone outcropping.
80.02	Cor. of secs. 23, 24, 25 and 26.
	<p>Land, rolling and nearly level. Soil, sandy and rocky, 3rd and 4th rate. Timber, Juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
	<p>N. 0° 01' W. bet. secs. 23 and 24.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor. with a brass cap mkd.
	$\frac{1}{4} \frac{S 23}{S 24}$ <p>1936</p> <p>from which</p> <p>✓ Pinyon, 10 ins. diam., brs. N. 61<math>\frac{1}{2}</math>° E., 72 lks. dist., mkd. <math>\frac{1}{4}</math> S 24 BT.</p> <p>✓ Pinyon, 8 ins. diam., brs. N. 13<math>\frac{1}{2}</math>° W., 157 lks. dist., mkd. <math>\frac{1}{4}</math> S 23 BT.</p>
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bed rock and in a mound of stone to top for cor. of secs. 13, 14, 23 and 24, with a brass cap mkd.
	$\begin{array}{c} T 39 N R 4 E \\ \hline S 14 S 13 \\ \hline S 23 S 24 \end{array}$ <p>1936</p> <p>from which</p> <p>✓ Pinyon, 10 ins. diam., brs. N. 54° E., 50 lks. dist., mkd. T 39 N R 4 E S 13 BT.</p> <p>✓ Pinyon, 10 ins. diam., brs. S. 44<math>\frac{1}{2}</math>° E., 118 lks. dist., mkd. T 39 N R 4 E S 24 BT.</p> <p>✓ Pinyon, 8 ins. diam., brs. S. 61<math>\frac{3}{4}</math>° W., 67 lks. dist., mkd. T 39 N R 4 E S 23 BT.</p> <p>✓ Pinyon, 8 ins. diam., brs. N. 62<math>\frac{3}{4}</math>° W., 49 lks. dist., mkd. T 39 N R 4 E S 14 BT.</p>

## Survey: Subdivision Lines T. 39 N., R. 4 E.

14.

Chains	
	<p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth. Sagebrush and rabbitweed. Grass, fair.</p>
	<p>S. 89° 58' E. on a random line bet. secs. 13 and 24.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.02	<p>Intersect N. and S. line 9 lks. S. of the cor. of secs. 13, 18, 19 and 24 on east bdy. of Tp. established under current Group No. 181 as described in the notes of the survey of the west bdy. of T. 39 N., R. 5 E.</p>
	<p>Thence</p>
	<p>S. 89° 58' W. on true line bet. secs. 13 and 24.</p>
	<p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
38.52	<p>Drain course NE.</p>
39.96	<p>Set an iron post, 3 ft. long, 1 in. diam., over a cross (x) on bed rock, and in a mound of stone to top, for witness <math>\frac{1}{4}</math> sec. cor. with a brass cap mkd.</p>
	<p style="text-align: center;"> <math display="block">\begin{array}{r} \checkmark \text{ WC } \frac{1}{4} \quad \begin{array}{l} \text{S } 13 \\ \text{S } 24 \end{array} \\ 1936 \end{array}</math> </p>
	<p style="text-align: right;">from which</p>
	<p>Pinyon, 8 ins. diam., brs. N. 63<math>\frac{3}{4}</math>° E., 140 lks. dist., mkd. WC <math>\frac{1}{4}</math> S 13 BT.</p>
	<p>Pinyon, 10 ins. diam., brs. S. 45<math>\frac{1}{2}</math>° E., 75 lks. dist., mkd. WC <math>\frac{1}{4}</math> S 24 BT.</p>
40.01	<p>True point for <math>\frac{1}{4}</math> sec. cor. falls on a steep rock ledge where it is impractical to set a monument, therefore, at a point 5 lks. N. 89° 58' E., establish WC as described above.</p>
43.52	<p>Drain 10 lks. wide, course SE.</p>
80.02	<p>Cor. of secs. 13, 14, 23 and 24.</p>
	<p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
	<p>N. 0° 01' W. bet. secs. 13 and 14.</p>
	<p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bed rock and in a mound of stone to top, for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p>

Survey: Subdivision Lines T. 39 N., R. 4 E.

BOOK 4128

15

Chains

$$\begin{array}{c} \frac{1}{4} \\ \hline S\ 14 \mid S\ 13 \end{array}$$

1936

from which .

Pinyon, 24 ins. diam., brs. S.  $52\frac{1}{4}^{\circ}$  E., 57 lks. dist.,  
mkd.  $\frac{1}{4}$  S 13 BT.

Pinyon, 18 ins. diam., brs. N.  $58\frac{1}{2}^{\circ}$  W., 61 lks. dist.,  
mkd.  $\frac{1}{4}$  S 14 BT.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the  
ground to bed rock and in a mound of stone to top for  
cor. of secs. 11, 12, 13 and 14, with brass cap mkd.

$$\begin{array}{c} T\ 39\ N\ R\ 4\ E \\ \hline S\ 11 \mid S\ 12 \\ \hline S\ 14 \mid S\ 13 \end{array}$$

1936

from which .

Pinyon, 10 ins. diam., brs. N.  $51\frac{1}{2}^{\circ}$  E., 125 lks. dist.,  
mkd. T 39 N R 4 E S 12 BT.

Pinyon, 10 ins. diam., brs. S.  $65\frac{1}{4}^{\circ}$  E., 38 lks. dist.,  
mkd. T 39 N R 4 E S 13 BT.

Pinyon, 10 ins. diam., brs. S.  $46\frac{3}{4}^{\circ}$  W., 75 lks. dist.,  
mkd. T 39 N R 4 E S 14 BT.

Pinyon, 10 ins. diam., brs. N.  $58\frac{1}{2}^{\circ}$  W., 141 lks. dist.,  
mkd. T 39 N R 4 E S 11 BT.

Land, gently rolling.  
Soil, sandy and rocky, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush and rabbitweed.  
Grass, fair.

N.  $89^{\circ} 58'$  E. on a random line bet. secs. 12 and 13.

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

80.10 Intersect N. and S. line, 4 lks. N. of the cor. of secs.  
7, 12, 13 and 18 on the east bdy. of Tp, established  
under current Group No. 181 as described in the notes  
of the survey of the west bdy. of T. 39 N., R. 5 E.

Thence

West on a true line bet. secs. 12 and 13.

Over gently rolling land, thru dense timber and scattering  
undergrowth.

40.05 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the  
ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \begin{array}{c} S\ 12 \\ \hline S\ 13 \end{array}$$

1936

from which

Juniper, 12 ins. diam., brs. N., 104 lks. dist.,  
mkd.  $\frac{1}{4}$  S 12 BT.

## Survey: Subdivision Lines T. 39 N., R. 4 E.

16.

Chains	
	Juniper, 6 ins. diam., brs. S. 21 lks, dist., mkd. $\frac{1}{4}$ S 13 BT.
70.00	Open draw course SE.
80.10	Cor. of secs. 11, 12, 13 and 14.
	Land, gently rolling. Soil, rocky and sandy, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.
	N. 0° 01' W. bet. secs. 11 and 12
	Over nearly level land, thru dense timber and scattering undergrowth.
30.00	Low ridge, brs. N. and SW. Thence along top of ridge.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 11   S 12
	1936
	from which
	Juniper limb, 6 ins. diam., brs. S. 75 $\frac{1}{2}$ ° E., 130 lks. dist., mkd. $\frac{1}{4}$ S 12 BT.
	Pinyon, 8 ins. diam., brs. N. 76 $\frac{3}{4}$ ° W., 43 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.
	Continue along top of low ridge.
50.00	Low spur, slopes W. from ridge, continue along top of low ridge, bearing N. and S.
75.00	Leave low ridge, bearing S. and NE.; desc. slightly along W. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground, to bedrock and in a mound of stone to top for cor. of secs. 1, 2, 11 and 12, with brass cap mkd.
	T 39 N R 4 E S 2   S 1 S 11   S 12
	1936
	from which
	Juniper, 12 ins. diam., brs. N. 34° E., 37 lks. dist. mkd. T 39 N R 4 E S 1 BT.
	Juniper, 8 ins. diam., brs. S. 41° E., 30 lks. dist., mkd. T 39 N R 4 E S 12 BT.
	Juniper, 12 ins. diam., brs. S. 11 $\frac{1}{2}$ ° W., 71 lks. dist. mkd. T 39 N R 4 E S 11 BT.
	Juniper, 12 ins. diam., brs. N. 72 $\frac{1}{4}$ ° W., 25 lks. dist. mkd. T 39 N R 4 E S 2 BT.



Survey: Subdivision Lines T. 39 N., R. 4 E.

BOOK 4128

17.

Chains

Land, nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

East on a random line bet. secs. 1 and 12.

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

80.16 Intersect East bdy. of Tp. 2 lks. N. of the cor. of secs. 1, 6, 7 and 12, established under current Group No. 181 and described in the notes of the survey of the W. bdy. of T. 39 N., R. 5 E.

Thence N.  $89^{\circ} 59'$  W. on true line bet. secs. 1 and 12.

Over nearly level land, thru dense timber and scattering undergrowth.

26.70 Low divide, brs. N. and S.

40.08 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.
$$\frac{1}{4} \quad \frac{S 1}{S 12}$$

1936

from which

Juniper, 6 ins. diam., brs. S.  $86\frac{3}{4}^{\circ}$  W., 116 lks. dist.  
mkd.  $\frac{1}{4}$  S 12 BT.

Juniper, 16 ins. diam., brs. N.  $8^{\circ}$  E., 77 lks. dist.,  
mkd.  $\frac{1}{4}$  S 1 BT.

74.00 Low ridge, brs. NE. and SW.; desc. slightly over W. slope to

80.16 Cor. of secs. 1, 2, 11 and 12.

Land, nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

N.  $0^{\circ} 01'$  W. on a random line bet. secs. 1 and 2.40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.07 Intersect the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp. hereinbefore described.

Thence S.  $0^{\circ} 01'$  E. on true line bet. secs. 1 and 2.

Over nearly level land, thru dense timber and scattering undergrowth.

18.07 Low spur, slopes W.

28.07 Wash, 10 lks. wide, course NW.

35.07 Small water pockets in surface bedrock.

## Survey- Subdivision Lines T. 39 N., R. 4 E.

18.

Chains

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

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

1936

from which

✓ Juniper, 16 ins. diam., brs. N.  $48^{\circ}$  E., 121 lks. dist., mkd.  $\frac{1}{4}$  S 1 BT.

✓ Pinyon, 8 ins. diam., brs. N.  $30\frac{3}{4}^{\circ}$  W., 135 lks. dist., mkd.  $\frac{1}{4}$  S 2 BT.

Asc. gradually over NW. and W. slopes to

80.07 Cor. of secs. 1, 2, 11 and 12.

Land, nearly level.

Soil, sandy and gravelly, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, sagebrush.

Grass, fair.

From the cor. of secs. 2, 3, 34 and 35 on the S. bdy of Tp., which is an iron post projecting 10 ins. above ground, firmly set, with brass cap properly mkd. and witnessed by four pits, one in each sec., 3 ft. dist.

Thence N.  $0^{\circ} 01'$  W. bet. secs. 34 and 35.

Over nearly level land, thru scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground and deposit charred stake at base, for  $\frac{1}{4}$  sec. cor., with brass cap mkd.

$\frac{1}{4}$   
S 34 | S.35

1936

Continue over nearly level land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and deposit a sandstone 5 x 4 x 2 ins., mkd. with cross (x) at base for cor. of secs. 26, 27, 34 and 35, with brass cap mkd.

T 39 N | R 4 E

S 27 | S.26

S 34 | S 35

1936

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

Land, nearly level.

Soil, gravelly, 4th rate.

Timber, none.

Undergrowth, sagebrush.

Grass, fair.

Survey: Subdivision Lines T. 39 N., R. 4 E.

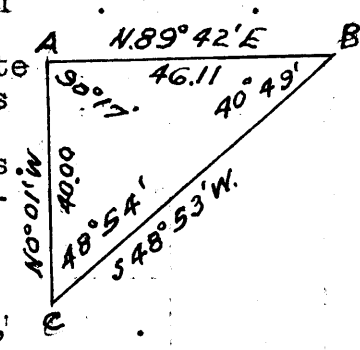
BOOK 4128

19

Chains	S. 89° 58' E. on random line bet. secs. 26 and 35.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.06	Intersect the cor. of secs. 25, 26, 35 and 36. Thence N. 89° 58' W. on true line bet. secs. 26 and 35. Over rolling land, thru scattering undergrowth; asc. 20 ft. over SE. slope.
13.28	Top of hill; desc. 102 ft. over W. slope.
16.39	Wash, 15 lks. wide, 2 ft. deep, course S.; asc. 87 ft. over SE. slope.
23.92	Desc. over broken S. slope.
30.88	Desc. 65 ft. over W. slope.
35.51	Wash, 8 lks. wide, 2 ft. deep, course S.; asc. 34 ft. over E. slope.
37.17	Asc. 7 ft. over broken S. slope to
40.03	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, over a cross (x) mkd. on bedrock, and raised a mound of stone to top, for $\frac{1}{4}$ sec. cor., with brass cap mkd.
	$\frac{1}{4}$ $\frac{S\ 26}{S\ 35}$ 1936
	Asc. over broken S. slope.
47.56	Desc. 94 ft. over broken NW. slope.
57.22	Wash, 15 lks. wide, 2 ft. deep, course S.; asc. 76 ft. over NE. slope.
59.56	Spur, slopes S.; desc. 28 ft. over SW. slope.
71.06	Drain, course S.; asc. 40 ft. over SE. slope.
75.18	Top of hill, desc. 51 ft. over SW. slope.
79.56	Foot of descent; leave rolling and enter nearly level land.
80.06	Cor. of secs. 26, 27, 34 and 35. Land, rolling. Soil, sandy and rocky, 4th rate. Timber, none. Undergrowth, sagebrush. Grass, fair.
	N. 0° 01' W. bet. secs. 26 and 27. Over nearly level land, thru scattering undergrowth.
.50	Leave nearly level and enter mountainous land; asc. 143 ft. over SW. slope.
16.58	Spur slopes NW.; desc. 106 ft. over NW. slope.
27.41	Wash, 10 lks. wide, 2 ft. deep, course SW.; asc. 130 ft. over SW. slope.

20.

Chains  
 39.00' Spur slopes W.; desc. 21 ft. over N. slope to  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
 ground, deposit a sandstone 4 x 5 x 3 ins. mkd. with a  
 cross (x) at base, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.  
 $\frac{1}{4}$   
 S 27 | S 26  
 1936  
 from which  
 raise a mound of stone 3 ft. base, 2 ft. high W. of cor.  
 40.50 Drain, course SW.; asc. 468 ft. over S. slope to  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the  
 ground, and deposit a sandstone 4 x 4 x 3 ins. mkd. with  
 a cross (x) at base, for cor. of secs. 22, 23, 26 and  
 27, with brass cap mkd.  
 T 39 N. R 4 E  
 S 22 | S 23  
 S 27 | S 26  
 1936  
 from which  
 Rock, 15 x 8 x 6 ft. brs. E. 14 lks. dist., mkd. X B R.  
 Rock, 18 x 12 x 10 ft. brs. W. 3 lks. dist., mkd. X B R  
 Land, mountainous.  
 Soil, sandy and rocky, 4th rate.  
 Timber, none.  
 Undergrowth, sagebrush.  
 Grass, fair.

26.43 S. 89° 58' E. on random line bet. secs. 23 and 26.  
 Base of Vermillion Cliffs with nearly perpendicular ascent.  
 Chaining beyond this point is impracticable, therefore  
 triangulate as follows:  
 Designate the cor. of secs. 22, 23, 26 and 27 as point "A"  
 Set a flag "B" ahead, N. 89° 42' E., on  
 top of the cliff, the vertical angle  
 to which from "A" is + 37 $\frac{1}{2}$ °. Designate  
 the  $\frac{1}{4}$  sec. cor. of secs. 26 and 27 as  
 point "C" which brs. S. 48° 53' W.  
 from "B" and use N $\frac{1}{2}$  of line bet. secs  
 26 and 27 as a base for this triangu-  
 lation.  
  
 The included angles of the triangle A-  
 B-C are 90° 17', 40° 49' and 48° 54';  
 the sum of which is 180° 00'.  
 Distance triangulated 46.11 chs.  
 46.11' 25 lks. S. of triangulation point "B", continue line and  
 measurement by chaining.  
 80.10 Intersect N. and S. line, 26 lks. S. of the cor. of secs.  
 23, 24, 25 and 26.

Survey: Subdivision Lines T. 39 N., R. 4 E.

BOOK 21 4128

Chains ✓ Thence S. 89° 51' W. on true line bet. secs. 23 and 26.  
 Over rolling land, thru scattering timber and undergrowth.  
 Asc. 35 ft. over NE. slope.

12.50 Thence over level land.

21.00 Rocky ledge, brs. NW and SE.; leave level land and enter mountainous land; desc. 60 ft. over broken SW. slope.

30.10 Drain, course S.; asc. 21 ft. over NE. slope to

33.33 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone to top for witness cor. to  $\frac{1}{4}$  sec. cor. with brass cap mkd.

WC  $\frac{1}{4}$   $\frac{S\ 23}{S\ 26}$

1936

from which

✓ Pinyon, 20 ins. diam. brs. N. 53° E., 172 lks. dist., mkd. WC  $\frac{1}{4}$  S 23 BT.

No other bearing tree available.

33.99 Edge of Vermillion Cliffs brs. N. 70° W. and S. 70° E. Discontinue chaining. Measurement by triangulation as hereinbefore described; desc. 2072 ft. over nearly perpendicular cliffs.

40.05 True point for  $\frac{1}{4}$  sec. cor. falls on face of cliffs and is inaccessible.

53.67 Base of Vermillion Cliffs. Resume chaining; desc. 283 ft. over broken S. slope.

80.10 Cor. of secs. 22, 23, 26 and 27.

Land, rolling, level and mountainous.  
 Soil, rocky, 4th rate.  
 Timber, Pinyon and juniper.  
 Undergrowth, sagebrush.  
 Grass, fair.

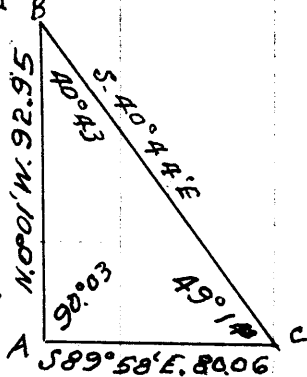
N. 0° 01' W. bet. secs. 22 and 23.

Over mountainous land, thru scattering timber and undergrowth. The sec. line passes over the Vermillion Cliffs with a nearly perpendicular ascent, chaining is impracticable, therefore, triangulate as follows:

Designate the cor. of secs. 26, 27, 34 and 35 as point "A".

Set a flag "B" ahead on line at top of the cliffs. The vertical angle to which from "A" is + 47° 48".

Use the sec. line bet. secs. 26 and 35, which is 80.06 chs. S. 89° 58' E. as the base and designate the cor. of secs. 25, 26, 35 and 36 as point "C" which brs. S. 40° 44' E. from "B".



The included angles of the triangle ABC are 90° 03', 40° 43' and 49° 14' the sum of which is 180° 00'.

## Survey: Subdivision Lines T. 39 N., R. 4 E.

22

Chains	
	Distance triangulated = 92.95 'chs. Distance bet. secs. 26 and 27. = 80.00 chs. Distance bet. secs. 22 and 23 = 12.95 chs.
	Asc. 942 ft. to
12.95	Triangulation point at edge of Vermillion Cliffs, bearing N. 70° W. and S. 70° E., facing SW.
	Resume chaining; leave mountainous and enter nearly level land; asc. gradually over SW. slope.
35.00	Descend slightly over N. slope to
40.00	Set iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \text{S } 22 \mid \text{S } 23 \\ 1936 \end{array}$
	from which
	✓ Pinyon, 30 ins. diam., brs. S. 81 $\frac{1}{2}$ ° E., 23 lks. dist., mkd. $\frac{1}{4}$ S 23 BT.
	✓ Pinyon, 24 ins. diam., brs. S. 0 $\frac{1}{2}$ ° W., 135 lks. dist., mkd. $\frac{1}{4}$ S 22 BT.
	Continue over nearly level land; desc. slightly.
45.00	Basin, 10 chs. diam., no outlet. Asc. gradually to
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground and in a mound of stone to top, for cor. of secs. 14, 15, 22 and 23, with a brass cap mkd.
	$\begin{array}{c} \text{T } 39 \text{ N } \text{ R } 4 \text{ E} \\ \text{S } 15 \mid \text{S } 14 \\ \text{S } 22 \mid \text{S } 23 \\ 1936 \end{array}$
	from which
	✓ Pinyon, 14 ins. in diam., brs. N. 18 $\frac{1}{8}$ ° E., 63 lks. dist. mkd. T 39 N R 4 E S 14 BT.
	✓ Pinyon, 14 ins. diam. brs. S. 65 $\frac{1}{2}$ ° E., 152 lks. dist., mkd. T 39 N R 4 E S 23 BT.
	✓ Pinyon, 20 ins. diam., brs. S. 31 $\frac{1}{4}$ ° W., 70 lks. dist., mkd. T 39 N R 4 E S 22 BT.
	✓ Pinyon, 10 ins. diam., brs. N. 79 $\frac{1}{4}$ ° W., 49 lks. dist., mkd. T 39 N R 4 E S 15 BT;
	Land, mountainous and nearly level. Soil, rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.
	N. 89° 51' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.00	Intersect N. and S. line, 21 lks. N. of the cor. of secs. 13, 14, 23 and 24.

Chains

Thence West on true line bet. secs. 14 and 23.

Over gently rolling land, thru dense timber and scattering undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground over a cross (+) mkd. on bed rock and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with a brass cap mkd.
$$\frac{S 14}{S 23}$$

1936

from which

Pinyon, 14 ins. in diam., brs. S.  $39\frac{1}{2}^{\circ}$  W., 94 lks. dist., mkd.  $\frac{1}{4}$  S 23 BT.Pinyon, 8 ins. diam., brs. N.  $37\frac{3}{4}^{\circ}$  W., 65 lks. dist., mkd.  $\frac{1}{4}$  S 14 BT.

Continue over gently rolling land.

80.00

Cor. of secs. 14, 15, 22 and 23.

Land, gently rolling.

Soil, rocky, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, sagebrush and rabbitweed.

Grass, fair.

N.  $0^{\circ} 01'$  W. bet. secs. 14 and 15.

Over gently rolling land, thru dense timber and scattering undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor. with a brass cap mkd.
$$S 15 \quad | \quad S 14$$

1936

from which

Pinyon, 20 ins. diam., brs. N.  $21\frac{1}{4}^{\circ}$  E., 47 lks. dist., mkd.  $\frac{1}{4}$  S 14 BT.Pinyon, 20 ins. diam., brs. S.  $36^{\circ}$  W., 81 lks. dist., mkd.  $\frac{1}{4}$  S 15 BT.

60.00

Open draw course NW.

65.00

Thence along E. edge of open draw.

80.00

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 10, 11, 14 and 14, with a brass cap mkd.

$$\begin{array}{c} T 39 N \quad R 4 E \\ S 10 \quad | \quad S 11 \\ \hline S 15 \quad | \quad S 14 \end{array}$$

1936

from which

SURVEY: Subdivision Lines T. 39 N., R. 4 E.

24

Chains	<ul style="list-style-type: none"> <li>✓ Pinyon, 12 ins. diam., brs. N. <math>34\frac{1}{4}^{\circ}</math> E., 96 lks. dist., mkd. T 39 N R 4 E S 11 BT.</li> <li>✓ Pinyon, 14 ins. diam., brs. S. <math>43^{\circ}</math> E., 140 lks. dist., mkd. T 39 N R 4 E S 14 BT.</li> <li>✓ Pinyon, 10 ins. diam., brs. S. <math>6\frac{1}{4}^{\circ}</math> W., 132 lks. dist., mkd. T 39 N R 4 E S 15 BT.</li> <li>✓ Pinyon, 10 ins. diam., brs. N. <math>39^{\circ}</math> W., 115 lks. dist., mkd. T 39 N R 4 E S 10 BT.</li> </ul> <p>Land, gently rolling. Soil, rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
40.00 79.90 39.95	<p>East on a random line bet. secs. 11 and 14.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>Intersect N. and S. line, 2 lks. N. of the cor. of secs. 11, 12, 13 and 14.</p> <p>Thence N. <math>89^{\circ} 59'</math> W. on true line bet. secs. 11 and 14.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with a brass cap mkd.</p>
52.40 61.90 79.90	<p style="text-align: center;"><math>\frac{1}{4}</math> <math>\frac{S 11}{S 14}</math></p> <p style="text-align: center;">1936</p> <p style="text-align: right;">from which</p> <ul style="list-style-type: none"> <li>✓ Pinyon, 28 ins. in diam., brs. N. <math>5\frac{1}{2}^{\circ}</math> W., 66 lks. dist., mkd. <math>\frac{1}{4}</math> S 11 BT.</li> <li>✓ Pinyon, 16 ins. diam., brs. S. <math>74^{\circ}</math> W., 110 lks. dist., mkd. <math>\frac{1}{4}</math> S 14 BT.</li> </ul> <p>Continue over gently rolling land.</p> <p>Swale, course NE.</p> <p>Water pocket.</p> <p>Cor. of secs. 10, 11, 14 and 15.</p> <p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
10.00	<p>N. <math>0^{\circ} 01'</math> W. bet. secs. 10 and 11.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p> <p>Open draw, course NW.</p>



Chains							
23.00	Drain, course East.						
40.00	Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bed rock and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with a brass cap mkd.						
	$\frac{1}{4}$ S 10   S 11 1936						
	from which						
	Pinyon, 14 ins. diam., brs. N. $23\frac{1}{4}^{\circ}$ E., 76 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.						
	Pinyon, 14 ins. diam., brs. S. $75\frac{1}{4}^{\circ}$ W., 54 lks. dist., mkd. $\frac{1}{4}$ S 10 BT.						
	Continue over gently rolling land.						
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 2, 3, 10 and 11, with a brass cap mkd.						
	<table border="1" style="margin: auto;"> <tr> <td>T 39 N</td> <td>R 4 E</td> </tr> <tr> <td>S 3</td> <td>S 2</td> </tr> <tr> <td>S 10</td> <td>S 11</td> </tr> </table> 1936	T 39 N	R 4 E	S 3	S 2	S 10	S 11
T 39 N	R 4 E						
S 3	S 2						
S 10	S 11						
	from which						
	Pinyon, 10 ins. diam., brs. N. $49\frac{1}{4}^{\circ}$ E., 86 lks. dist., mkd. T 39 N R 4 E S 2 BT.						
	Pinyon, 8 ins. diam., brs. S. $62\frac{1}{4}^{\circ}$ E., 52 lks. dist., mkd. T 39 N R 4 E S 11 BT.						
	Pinyon, 6 ins. diam., brs. S. $35\frac{1}{4}^{\circ}$ W., 16 lks. dist., mkd. T 39 N R 4 E S 10 BT.						
	Pinyon, 12 ins. diam., brs. N. $61\frac{3}{4}^{\circ}$ W., 76 lks. dist., mkd. T 39 N R 4 E S 3 BT.						
	Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.						
	S. $89^{\circ} 59'$ E. on a random line bet. secs. 2 and 11.						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
79.88	Intersect N. and S. line, 8 lks. S. of the cor. of secs. 1, 2, 11 and 12.						
	Thence S. $89^{\circ} 58'$ W. on true line bet. secs. 2 and 11.						
	Over nearly level land, thru scattering timber and undergrowth.						
5.00	Drain, course N. $20^{\circ}$ E.; asc. 29 ft. over E. slope.						
12.00	Low spur, slopes N.; desc. 29 ft. over W. slope.						
24.00	Drain, course N.						

Survey: Subdivision Lines T. 39 N., R. 4 E.

26

Chains	
39.94	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4} \begin{array}{c} S 2 \\ S 11 \end{array}$
	1936
	from which
	Pinyon, 8 ins. diam., brs. N. $44\frac{1}{2}^{\circ}$ W., 46 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.
	Pinyon, 9 ins. diam., brs. S. $6\frac{1}{4}^{\circ}$ E., 56 lks. dist., mkd. $\frac{1}{4}$ S 11 BT.
42.00	Small wash, 5 lks. wide, course N. $10^{\circ}$ E.
47.38	Low spur, slopes NW., desc. 52 ft. over W. slope.
60.88	Wash, 15 lks. wide, course N. $10^{\circ}$ E.; asc. 41 ft. over NE. slope.
69.88	Low spur, slopes N.; desc. slightly over W. slope to
79.88	Cor. of secs. 2, 3, 10 and 11.
	Land, nearly level. Soil, sandy and rocky, 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush. Grass, fair.
	N. $0^{\circ} 01'$ W. on a random line bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.12	Intersect N. bdy. of Tp. 16 lks. E. of the cor. of secs. 2, 3, 34 and 35, hereinbefore described
	Thence S. $0^{\circ} 08'$ E. on true line bet. secs. 2 and 3.
	Over nearly level land, thru dense timber and scattering undergrowth; asc. 23 ft. over N. slope.
25.12	Top of low knoll; desc. 29 ft. over S. slope.
30.12	Swale, course W.
40.12	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone to top for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4} \begin{array}{c} S 3 \\ S 2 \end{array}$
	1936
	from which
	Juniper, 6 ins. diam., brs. N. $16^{\circ}$ E., 79 lks. dist., mkd. $\frac{1}{4}$ S 2 BT.
	Juniper, 16 ins. diam., brs. N. $63\frac{1}{2}^{\circ}$ W., 82 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.
80.12	Cor. of secs. 2, 3, 10 and 11.

Chains

Land; nearly level.  
Soil, sandy and rocky, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

From the cor. of secs. 3, 4, 33 and 34 on S. bdy. of Tp. which is an iron post, 2 ins. diam., projecting 10 ins. above the ground, firmly set, with brass cap properly mkd. and witnessed by a mound of stone, W. of cor.

Thence N. 0° 02' W. bet. secs. 33 and 34.

Over gently rolling land, thru scattering undergrowth.

Asc. 23 ft. over gentle SW. slope.

5.00 Flat ridge, brs. E. and W.; desc. 17 ft. over N. slope.

10.00 Drain, course west; asc. 46 ft. over gentle S. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground over a cross (x) mkd. on bed rock, and raise a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 33 | S 34

1936

Thence over rolling land; asc. 18 ft. over SW. slope.

41.80 Spur, slopes W.; desc. 129 ft. over N. slope.

59.00 Drain, course SE.; asc. 11 ft. over S. slope.

69.00 Flat spur, slopes SE.; desc. 28 ft. over E. slope.

77.05 Wash, 20 lks. wide, course SE. Enter gently rolling land.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, deposit a piece of petrified wood, 3 x 3 x 2 ins. at base, for cor. of secs. 27, 28, 33 and 34, with brass cap mkd.

T 39 N R 4 E  
S 28 | S 27  
S 33 | S 34

1936

Dig pits, 18 x 18 x 12 ins. in each sec. 3 ft. dist.

Land, gently rolling.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, none.  
Undergrowth, sagebrush.  
Grass, good.

S. 89° 58' E. on random line, bet. secs. 27 and 34.

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

79.98 Intersect N. and S. line, 35 lks. N. of the cor. of secs.

## Survey: Subdivision Lines T. 39 N., R. 4 E.

28

Chains	26, 27, 34 and 35.
	Thence N. $89^{\circ} 43'$ W. on true line bet. secs. 27 and 34. Over nearly level land; thru scattering undergrowth.
11.39	Wash, 10 lks. wide, 2 ft. deep, course S.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground and deposit a stone 4 x 4 x 4 ins, mkd. with a cross (x) at base, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ $\frac{S 27}{S 34}$
	1936
	Raised a mound of stone 3 ft. base, 2 ft. high, N. of cor.
	Cabin brs. N. $21^{\circ} 53'$ W.
41.21	Wash, 10 lks. wide, 2 ft. deep, course S.
48.30	Road, brs. N. to cabin and S.
52.84	Cabin, brs. N. $4^{\circ} 16'$ E.
58.11	Wash, 20 lks. wide, 2 ft. deep, course SE.
79.98	Cor. of secs. 27, 28, 33 and 34. Land, nearly level and gently rolling. Soil, sandy, 4th rate. Timber, none. Undergrowth, sagebrush. Grass, good.
	N: $0^{\circ} 02'$ W. bet. secs. 27 and 28. Over gently rolling land; thru scattering undergrowth.
9.48	Road brs. NE. and SW. Enter rolling foot hills; asc. 158 ft. over S. slope.
19.46	Spur, slopes E. Natural rock water tank brs. N. $55^{\circ} 20'$ E. Desc. 46 ft. over N. slope to.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, and deposit a sand stone 4 x 4 x 3 ins. mkd. with a cross (x) at base, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$
	S 28   S 27
	1936
	Raised a mound of stone 4 ft. base, 2 ft. high, W. of cor.
	Same water hole brs. S. $39^{\circ}$ E.; desc. 47 ft. over N. slope.
44.54	Drain, course SE. Enter mountainous land; asc. 479 ft. over S. slope.
64.70	Spur slopes SE., thence over nearly level top of spur.
72.60	Leave top of spur; desc. 147 ft. over N. slope.

## Chains

78.00 Drain, course SE.; asc. over S. slope to  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground and deposit a stone 4 x 3 x 3 ins. mkd. with a cross (x) at base, for cor. of secs. 21, 22, 27 and 28, with brass cap mkd.

T 39 N	R 4 E
S 21	S 22
S 28	S 27

1936

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

Land, gently rolling, hilly and mountainous.  
 Soil, rocky, 4th rate.  
 Timber, none.  
 Undergrowth, sagebrush.  
 Grass, fair.

S. 89° 43' E. on random line bet. secs. 22 and 27.

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

79.96 Intersect N. and S. line, 5 lks. S. of cor. of secs. 22, 23, 28 and 27.

Thence, N. 89° 45' W. on true line bet. secs. 22 and 27, along S. slope of Vermillion Cliffs.

39.98 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, and deposit a sandstone 4 x 4 x 4 ins. mkd. with a cross (x) at base, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$	S 22	S 27
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1936

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

Asc. 147 ft. over steep S. slope of Vermillion Cliffs to sec. cor.

44.82 Ravine, 8 lks. wide, course south.

66.21 Wash, 8 lks. wide, course SE.

79.96 Cor. of secs. 21, 22, 27 and 28.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, none.  
 Undergrowth, sagebrush.  
 Grass, poor.

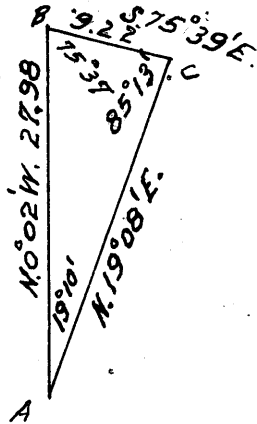
N. 0° 02' W. bet. secs. 21 and 22.

Over mountainous land, thru scattering timber and undergrowth.

Chains

Owing to precipitous ascent over Vermillion Cliffs, chaining is impracticable, therefore triangulate as follows:

Designate cor. of secs. 21, 22, 27 and 28 as point "A".



Set a flag "B" ahead on line at top of Vermillion Cliffs, the vertical angle to which from "A" is + 34° 40'.

From "B" chain a base S. 75° 39' E., 9.22 chs. dist. and set flag "C" which brs. N. 19° 08' E. from "A". The included angles of the triangle A-B-C are 19° 10', 75° 37' and 85° 13', the sum of which is 180° 00'. Distance triangulated = 27.98 chs.

27.98 Top of Vermillion Cliffs and rim of mesa, brs. N. 10° W. and S. 10° E., 1277 ft. above sec. cor.

Resume chaining and continue measurement from sec. cor.

Over gently rolling land, thru scattering timber and undergrowth.

28.69 U. S. Geological Survey Triangulation Station, brs. S. 79° 20' E., 10.83 chs. dist.

35.00 Cement trough, 51 ft. x 3 ft. x 16 ins. brs. S. 64° 11' W., 5.76 chs. dist. End of road and pipe line.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground to bed rock and in a mound of stone to top for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 21 | S 22

1936

from which

✓ Pinyon, 8 ins. diam., brs. S. 17 $\frac{3}{4}$ ° E., 167 lks. dist., mkd.  $\frac{1}{4}$  S 22 BT.

✓ Pinyon, 8 ins. diam., brs. N. 35° W., 38 lks. dist., mkd.  $\frac{1}{4}$  S 21 BT.

71.50 Road, brs. S. 45° W. and N. 45° E.

75.50 Road, brs. N. 45° W. and S. 20° E.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 15, 16, 21 and 22 with brass cap mkd.

T 39 N R 4 E  
S 16 | S 15  
S 21 | S 22

1936

from which

Chains	<p>✓ Pinyon, 24 ins. diam., brs. N. <math>44\frac{1}{2}^{\circ}</math> E., 67 lks. dist., mkd. T 39 N R 4 E S 15 BT.</p> <p>✓ Juniper, 10 ins. diam., brs. S. <math>43\frac{1}{2}^{\circ}</math> E., 276 lks. dist., mkd. T 39 N R 4 E S 22 BT.</p> <p>✓ Pinyon, 10 ins. diam., brs. S. <math>33\frac{1}{4}^{\circ}</math> W., 217 lks. dist., mkd. T 39 N R 4 E S 21 BT.</p> <p>✓ Pinyon, 24 ins., diam., brs. N. <math>81\frac{1}{4}^{\circ}</math> W., 149 lks. dist., mkd. T 39 N R 4 E S 16 BT.</p> <p>Land, mountainous and gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, poor.</p>
40.00	<p>S. <math>89^{\circ} 45'</math> E. on a random line bet. secs. 15 and 22.</p> <p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
80.00	<p>Intersect N. and S. line, 25 lks. S. of the cor. of secs. 14, 15, 22 and 23.</p> <p>Thence N. <math>89^{\circ} 56'</math> W. on true line bet. secs. 15 and 22.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math> <math>\frac{S\ 15}{S\ 22}</math></p> <p style="text-align: center;">1936</p> <p style="text-align: right;">from which</p> <p>A pinyon, 15 ins. diam. brs. S. <math>66\frac{1}{2}^{\circ}</math> W., 34 lks. dist., mkd. <math>\frac{1}{4}</math> S 22 BT.</p> <p>A pinyon, 8 ins. diam. brs. N. <math>20^{\circ}</math> W., 66 lks. dist., mkd. <math>\frac{1}{4}</math> S 15 BT.</p> <p>Continue over gently rolling land.</p>
80.00	<p>Cor. of secs. 15, 16, 21 and 22.</p> <p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
12.50	<p>N. <math>0^{\circ} 02'</math> W. bet. secs. 15 and 16.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
40.00	<p>Center of small basin.</p> <p>Set an iron post, 3 ft. long, 1 in. diam. 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with a brass cap mkd.</p>

Chains

$\frac{1}{4}$   
 S 16 | S 15  
 1936

from which

✓ Juniper, 10 ins. diam., brs. S.  $70\frac{1}{2}^\circ$  E., 92 lks. dist., mkd.  $\frac{1}{4}$  S 15 BT.

✓ Juniper, 10 ins. diam., brs. S.  $26\frac{3}{4}^\circ$  W., 87 lks. dist., mkd.  $\frac{1}{4}$  S 16 BT.

64.20 Drain, course NW.

80.00 Set an iron post, 3 ft. long, 2 in. diam., 28 ins. in the ground for cor. of secs. 9, 10, 15 and 16, with a brass cap mkd.

T 39 N R 4 E  
 S 9 | S 10  
 ---  
 S 16 | S 15  
 1936

from which

✓ Pinyon, 10 ins. diam., brs. N.  $71\frac{3}{4}^\circ$  E., 55 lks. dist., mkd. T 39 N R 4 E S 10 BT.

Pinyon, 16 ins. diam., brs. S:  $25\frac{1}{4}^\circ$  E., 69 lks. dist., mkd. T 39 N R 4 E S 15 BT.

✓ Pinyon, 12 ins. diam., brs. S.  $16\frac{3}{4}^\circ$  W., 75 lks. dist., mkd. T 39 N R 4 E S 16 BT.

Pinyon, 8 ins. diam., brs. N.  $47^\circ$  W., 85 lks. dist., mkd. T 39 N R 4 E S 9 BT.

Land. gently rolling.  
 Soil, sandy and rocky, 3rd and 4th rate.  
 Timber, juniper and pinyon.  
 Undergrowth, sagebrush and rabbitweed.  
 Grass, fair.

S.  $89^\circ 56'$  E. on a random line bet. secs. 10 and 15.

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

80.06 Intersect N. and S. line 2 lks. S. of cor. of secs. 10, 11, 14 and 15.

✓ Thence N:  $89^\circ 57'$  W. on a true line bet. secs. 10 and 15.

Over nearly level land, thru dense timber and scattering undergrowth.

1.06 Swale, course NE.

35.06 Swale, course N.

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

$\frac{1}{4}$  S 10  
 S 15  
 1936

from which



Survey: Subdivision Lines T. 39 N., R. 4 E.

BOOK 4128

33

Chains

✓ Juniper, 7 ins. diam., brs. N.  $54\frac{1}{2}^\circ$  E., 101 lks. dist.,  
mkd.  $\frac{1}{4}$  S 10 BT.

✓ Juniper, 10 ins. diam., brs. S.  $58\frac{1}{2}^\circ$  W., 55 lks. dist.,  
mkd.  $\frac{1}{4}$  S 15 BT.

Ascend slightly over E. slope:

50.06 Low ridge, brs. N. and S.; desc. gradually over NW. slope  
to

80.06 Cor. of secs. 9, 10, 15 and 16.

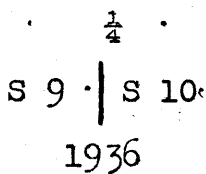
Land, nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

N.  $0^\circ 02'$  W. bet. secs. 9 and 10.

Over nearly level land, thru dense timber and undergrowth.  
Desc. gradually over NW. slope to  $\frac{1}{4}$  sec. cor.

20.00 Open draw, course NW.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the  
ground to bedrock and in a mound of stone to top, for  
 $\frac{1}{4}$  sec. cor. with brass cap mkd.



from which

✓ Pinyon, 8 ins. diam. brs. N.  $66^\circ$  E., 71 lks. dist.,  
mkd.  $\frac{1}{4}$  S 10 BT.

✓ Pinyon, 20 ins. diam., brs. S.  $24^\circ$  W., 176 lks. dist.,  
mkd.  $\frac{1}{4}$  S 9 BT.

Thence over gently rolling land; desc. 15 ft. over NW.  
slope.

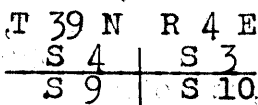
45.96 Head of drain, 5 lks. wide, course NW.; desc. 46 ft. over  
NW. slope to

50.00 Drain, 10 lks. wide, course NW.; desc. 46 ft. over NW.  
slope, to sec. cor.

57.00 Center of water pocket, 5 chs. diam. on surface of bedrock.

75.50 Drain, 20 lks. wide, course NW.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the  
ground to bedrock and in a mound of stone to top, for  
cor. of secs. 3, 4, 9 and 10, with brass cap mkd.



1936

from which

Chains	<p>✓ Pinyon, 6 ins. diam., brs. N. 24° E., 52 lks. dist., mkd. T 39 N R 4 E S 3 BT</p> <p>✓ Pinyon, 8 ins. diam., brs. S. 20° E., 46 lks. dist., mkd. T 39 N R 4 E S 10 BT.</p> <p>✓ Pinyon, 6 ins. diam., brs. S. 45½° W., 80 lks. dist., mkd. T 39 N R 4 E S 9 BT.</p> <p>✓ Pinyon, 14 ins. diam., brs. N. 43¼° W., 139 lks. dist., mkd. T 39 N R 4 E S 4 BT.</p> <p>Land, nearly level and gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush. Grass, fair.</p>
	<p>S. 89° 57' E. on a random line bet. secs. 3 and 10.</p> <p>40.00 Set temp. ¼ sec. cor.</p> <p>80.14 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 2, 3, 10 and 11.</p> <p>Thence N. 89° 56' W. on true line bet. secs. 3 and 10.</p> <p>Over nearly level land, thru dense timber and scattering undergrowth; asc. gradually over E. slope.</p> <p>25.00 Low spur, slopes N. 20° W.; desc. 46 ft. over W. slope.</p> <p>40.07 Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, for ¼ sec. cor. with brass cap mkd.</p> <p style="text-align: center;">¼    <math>\frac{S\ 3}{S\ 10}</math></p> <p style="text-align: center;">1936</p> <p style="text-align: right;">from which</p> <p>✓ Pinyon, 10 ins. diam., brs. S. 74½° E., 64 lks. dist., mkd. ¼ S 10 BT.</p> <p>✓ Pinyon, 12 ins. diam., brs. N. 45½° W., 89 lks. dist., mkd. ¼ S 3 BT.</p> <p>Continue over nearly level land.</p> <p>42.54 Drain, course NW.</p> <p>58.68 Small wash, 10 lks. wide, 3 ft. deep, course N.; asc. gradually over E. slope.</p> <p>76.14 Low spur, slopes NW.; desc. slightly over NW. slope to</p> <p>80.14 Cor. of secs. 3, 4, 9 and 10.</p> <p>Land, nearly level. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush. Grass, fair.</p>

Chains	
40.00	N. $0^{\circ} 08'$ W. on random line bet. secs, 3 and 4. Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. bdy. of Tp. 9 lks. W. of the cor. of secs. 3, 4, 33 and 34, hereinbefore described. Thence S. $0^{\circ} 04'$ E. on true line bet. secs. 3 and 4. Over nearly level land, thru dense timber and scattering undergrowth, asc. gradually over NW. slope to $\frac{1}{4}$ sec. cor.
37.84	Drain, 10 lks. wide, course NW.
40.14	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 4   S 3 1936
	from which
	Juniper, 12 ins. diam., brs. S. $26^{\circ}$ E., 144 lks. dist., mkd. $\frac{1}{4}$ S 3 BT.
	Pinyon, 8 ins. diam., brs. N. $61\frac{1}{2}^{\circ}$ W., 89 lks. dist., mkd. $\frac{1}{4}$ S 4 BT.
	Continue over nearly level land sloping slightly NW.
80.14	Cor. of secs. 3, 4, 9 and 10. Land, nearly level. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon, Undergrowth, sagebrush. Grass, fair.
	From cor. of secs. 4, 5, 32 and 33 on S. bdy. of Tp., which is an iron post, 2 ins. diam. projecting 10 ins. above ground, firmly set, with brass cap properly mkd. and witnessed by four pits, one in each sec. 3 ft. dist.
	Thence N. $0^{\circ} 03'$ W. bet. secs. 32 and 33.
	Over level land, thru scattering undergrowth.
7.80	Old road bears E. and W.
32.00	Leave level and enter gently rolling land; desc. 24 ft. over north slope to
40.00	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, and deposit a stone 4 x 3 x 3 ins., mkd. with a cross (x) at base, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 32   S 33 1936
	Continue over gently rolling land.
47.60	Old road brs. S. $30^{\circ}$ W. and N. $30^{\circ}$ E.

Chains	<p>51.30 Wash, 15 lks. wide, 2 ft. deep, course SW. Enter rolling land; asc. 176 ft. over S. slope.</p> <p>79.65 Spur slopes SE.; desc. slightly to.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground and deposit a stone 4 x 4 x 6 ins. mkd. with a cross (x) at base for cor. of secs. 28, 29, 32 and 33, with a brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td>T 39 N</td> <td>T 4 E</td> </tr> <tr> <td>S 29</td> <td>S 28</td> </tr> <tr> <td>S 32</td> <td>S 33</td> </tr> </table> <p>1936</p> <p>raise a mound of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>Land, level, gently rolling and rolling. Soil, sandy and gravelly, 3rd and 4th rate. Timber, none. Undergrowth, sagebrush. Grass, fair.</p> </div>	T 39 N	T 4 E	S 29	S 28	S 32	S 33
T 39 N	T 4 E						
S 29	S 28						
S 32	S 33						
	<p>S. 89° 58' E. on random line bet. secs. 28 and 33.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>80.00 Intersect cor. of secs. 27, 28, 33 and 34.</p> <p>Thence N. 89° 58' W. on true line, bet. secs. 28 and 33. Over nearly level land, thru scattering undergrowth.</p> <p>10.10 Wash, 20 lks. wide, 2 ft. deep, course south.</p> <p>13.36 Old road, brs. N. and S.</p> <p>40.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, and deposit a stone 4 x 3 x 3 ins. mkd. with a cross (x) at base, for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr> <td><math>\frac{1}{4}</math> S 28</td> </tr> <tr> <td>S 33</td> </tr> </table> <p>1936</p> <p>raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> </div> <p>48.77 Drain, course south.</p> <p>63.96 Drain, course south, enter rolling land; asc. 57 ft. over E. slope.</p> <p>69.88 Top of small hill; desc. 21 ft. over W. slope.</p> <p>70.94 Drain, course South; asc. 199 ft. over E. slope to</p> <p>80.00 Cor. of secs. 28, 29, 32 and 33.</p> <p>Land, nearly level and rolling. Soil, sandy, 3rd rate. Timber, none. Undergrowth, sagebrush. Grass, fair.</p>	$\frac{1}{4}$ S 28	S 33				
$\frac{1}{4}$ S 28							
S 33							

Chains	<p>N. 0° 03' W. bet. secs. 28 and 29.</p> <p>Over rolling land, thru scattering undergrowth; desc. 197 ft. over NE. slope.</p> <p>10.77 Drain, course SE.; asc. 57 ft. over S. slope.</p> <p>16.89 Spur, slopes W.; desc. 11 ft. over N. slope.</p> <p>21.89 Drain, course SW.; asc. 157 ft. over SW. slope.</p> <p>29.20 Spur, slopes W.; desc. 122 ft. over N. slope.</p> <p>39.77 Drain, course SW.; asc. slightly over S. slope to</p> <p>40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, deposit a stone 4 x 4 x 2 ins. mkd. with a cross (x) at base for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math></p> <p style="text-align: center;">✓ S. 29   S 28.</p> <p style="text-align: center;">1936</p> <p>raise mound of stone 3 ft. base, 2 ft. high, W. of cor.</p> <p>Asc. 30 ft. over gradual S. slope to</p> <p>50.00 Enter mountainous land; asc. 405 ft. over steep S. slope to</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bed rock, and in a mound of stone to top for cor. of secs. 20, 21, 28 and 29, with brass cap mkd.</p> <p style="text-align: center;">T 39 N R 4 E S 20   S 21 S 29   S 28</p> <p style="text-align: center;">1936</p> <p>Land, rolling and mountainous. Soil, gravelly and rocky, 4th rate. Timber, none. Undergrowth, sagebrush. Grass, fair.</p>
	<p>S. 89° 58' E. on random line bet. secs. 21 and 28.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>79.98 Intersect N. and S. line, 2 lks. N. of the cor. of secs. 21, 22, 27 and 28.</p> <p>✓ Thence N. 89° 59' W. on true line bet. secs. 21 and 28.</p> <p>Over mountainous land, thru scattering undergrowth.</p> <p>Along steep S. slope from Vermillion Cliffs.</p> <p>39.99 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground and deposit a stone mkd. with a cross (x) at base for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 21 S 28</p> <p style="text-align: center;">1936</p>

Survey: Subdivision Lines T. 39 N., R. 4 E.

38

Chains

79.98 raise a mound of stone, 4 ft. base, 3 ft. high, N. of  
 cor. Continue along steep S. slope from Vermillion Cliffs.  
 Cor. of secs. 20, 21, 28 and 29.

Land, mountainous.  
 Soil, rocky, 4th rate.  
 Timber, none.  
 Undergrowth, sagebrush.  
 Grass, fair.

N.  $0^{\circ} 03'$  W. bet. secs. 20 and 21.

Over mountainous land, thru scattering undergrowth.

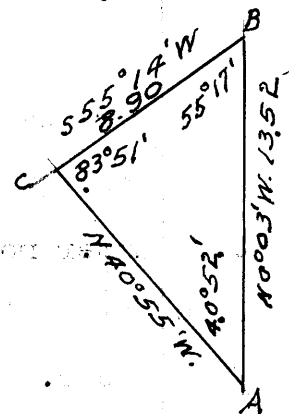
Chaining is impracticable owing to precipitous ascent over  
 Vermillion Cliffs, therefore triangulate as follows:

Designate the cor. of secs. 20, 21, 28 and 29 as "A".

Set a flag "B" ahead on line at top of  
 the cliffs, the vertical angle to  
 which from "A" is  $+ 47^{\circ} 46'$ .

From "B" measure a base S.  $55^{\circ} 14'$  W.,  
 8.90 chs. dist. and set flag "C"  
 which brs. N.  $40^{\circ} 55'$  W. from "A".

The included angles of the triangle  
 A-B-C, are  $40^{\circ} 52'$ ,  $55^{\circ} 17'$  and  $83^{\circ}$   
 $51'$ , the sum of which is  $180^{\circ}$ . Dist.  
 triangulated = 13.52 chs.



13.52 Top of Vermillion Cliffs and rim of mesa, brs. NE. and SW.  
 983 ft. above sec. cor.

Resume chaining, continuing measurement from cor. of secs.  
 20, 21, 28 and 29.

Over nearly level land, thru scattering timber and under-  
 growth.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 20 | S 21

1936

from which

Pinyon, 16 ins. diam., brs. N.  $29\frac{1}{2}^{\circ}$  E., 55 lks. dist.,  
 mkd.  $\frac{1}{4}$  S 21 BT.

Pinyon, 16 ins. diam., brs. N.  $23\frac{1}{4}^{\circ}$  W., 77 lks. dist.,  
 mkd.  $\frac{1}{4}$  S 20 BT.

Thence over gently rolling land.

Desc. 23 ft. over N. slope.

61.50 Swale, course NW.; asc. 23 ft. over S. slope.

66.50 Small knoll; desc. 24 ft. over N. slope to

80.00 Set an iron post, 3 ft. long, 2 in. diam., 27 ins. in the  
 ground for cor. of secs. 16, 17, 20 and 21, with brass

Chains							
	cap mkd.						
	<table border="1" style="margin: auto;"> <tr> <td>T 39 N</td> <td>R 4 E</td> </tr> <tr> <td>S 17</td> <td>S 16</td> </tr> <tr> <td>S 20</td> <td>S 21</td> </tr> </table>	T 39 N	R 4 E	S 17	S 16	S 20	S 21
T 39 N	R 4 E						
S 17	S 16						
S 20	S 21						
	1936						
	from which						
	<ul style="list-style-type: none"> <li>✓ Pinyon, 16 ins. diam., brs. N. <math>76\frac{1}{4}^{\circ}</math> E., 28 lks. dist., mkd. T 39 N R 4 E S 16 BT.</li> <li>✓ Pinyon, 8 ins. diam., brs. S. <math>2^{\circ}</math> E., 28 lks. dist., mkd. T 39 N R 4 E S 21 BT.</li> <li>✓ Juniper, 10 ins. diam., brs. S. <math>40\frac{1}{2}^{\circ}</math> W., 12 lks. dist., mkd. T 39 N R 4 E S 20 BT.</li> <li>✓ Pinyon, 8 ins. diam., brs. N. <math>34\frac{1}{4}^{\circ}</math> W., 94 lks. dist., mkd. T 39 N R 4 E S 17 BT.</li> </ul>						
	<p>Land, mountainous, nearly level and gently rolling.                      Soil, gravelly and rocky, 3rd and 4th rate.                      Timber, Juniper and pinyon.                      Undergrowth, sagebrush and rabbitweed.                      Grass, fair.</p>						
	S. $89^{\circ} 59'$ E. on random line bet. secs. 16 and 21						
40.00	Set temp. $\frac{1}{4}$ sec. cor.						
80.00	Intersect N. and S. line, 2 lks. South of cor. of secs. 15, 16, 21 and 22.						
	Thence, West on true line bet. secs. 16 and 21.						
	Over gently rolling land, thru dense timber and scattering undergrowth.						
3.30	Road brs. N. $45^{\circ}$ W. and S. $45^{\circ}$ E.						
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for $\frac{1}{4}$ sec. cor. with a brass cap mkd.						
	<table border="1" style="margin: auto;"> <tr> <td><math>\frac{1}{4}</math></td> <td>S 16</td> </tr> <tr> <td></td> <td>S 21</td> </tr> </table>	$\frac{1}{4}$	S 16		S 21		
$\frac{1}{4}$	S 16						
	S 21						
	1936						
	from which						
	<ul style="list-style-type: none"> <li>✓ Juniper, 10 ins. diam., brs. N. <math>1^{\circ} 30'</math> E., 85 lks. dist., mkd. <math>\frac{1}{4}</math> S 16 BT.</li> <li>✓ Pinyon, 12 ins. diam., brs. S. <math>81\frac{1}{2}^{\circ}</math> W., 87 lks. dist., mkd. <math>\frac{1}{4}</math> S 21 BT.</li> </ul>						
	Over gently rolling land.						
55.00	Desc. 15 ft. over W. slope.						
60.00	Asc. 29 ft. over E. slope.						
70.00	Low ridge, brs. N. and S.; desc. gradually over W. slope to						
80.00	Cor. of secs. 16, 17, 20 and 21.						

Chains	
	<p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
	<p>N. 0° 03' W. bet. secs. 16 and 17.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p>
40.00	<p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with a brass cap mkd.</p> <p style="text-align: center;"> <math>\frac{1}{4}</math>  S 17   S 16  1936 </p> <p style="text-align: right;">from which</p> <p>Pinyon, 8 ins. diam., brs. S. 89<math>\frac{1}{4}</math>° E., 60 lks. dist., mkd. <math>\frac{1}{4}</math> S 16 BT.</p> <p>Juniper, 8 ins. diam., brs. S. 32<math>\frac{1}{4}</math>° W., 68 lks. dist., mkd. <math>\frac{1}{4}</math> S 17 BT.</p>
	<p>Continue over gently rolling land.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 8, 9, 16 and 17, with a brass cap mkd.</p> <p style="text-align: center;"> T 39 N R 4 E  S 8   S 9  -----  S 17   S 16  1936 </p> <p style="text-align: right;">from which</p> <p>Pinyon, 8 ins. diam., brs. N. 36<math>\frac{1}{2}</math>° E., 98 lks. dist., mkd. T 39 N R 4 E S 9 BT.</p> <p>Pinyon, 12 ins. diam., brs. S. 31<math>\frac{1}{4}</math>° E., 148 lks. dist., mkd. T 39 N R 4 E S 16 BT.</p> <p>Pinyon, 10 ins. diam., brs. S. 36<math>\frac{3}{4}</math>° W., 86 lks. dist., mkd. T 39 N R 4 E S 17 BT.</p> <p>Pinyon, 12 ins. diam., brs. N. 46<math>\frac{1}{2}</math>° W., 127 lks. dist., mkd. T 39 N R 4 E S 8 BT.</p>
	<p>Land, gently rolling. Soil, gravelly and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
	<p>East on random line bet. secs. 9 and 16.</p>
40.00	<p>Set temp. <math>\frac{1}{4}</math> sec. cor.</p>
79.98	<p>Intersect N. and S. line 4 lks. N. of the cor. of secs. 9, 10, 15 and 16.</p>
	<p>Thence N. 89° 58' W., on true line bet. secs. 9 and 16.</p>



Chains

Over gently rolling land, thru dense timber and scattering undergrowth; desc. 74 ft. over SW. slope.

12.00 Drain, 15 lks. wide, course NW.; asc. 74 ft. over NE. slope.

18.65 Low ridge, brs. N. and S.; desc. 67 ft. over SW. slope.

32.13 Drain, 25 lks. wide, course NE.; asc. 60 ft. over E. slope to  $\frac{1}{4}$  sec. cor.

35.03 Log hut 1.15 chs. N.

39.99 Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   $\frac{S 9}{S 16}$

1936

from which

Pinyon, 12 ins. diam., brs. S.  $21\frac{1}{2}^\circ$  W., 97 lks. dist., mkd.  $\frac{1}{4}$  S 16 BT.

Pinyon, 10 ins. diam., brs. N.  $44^\circ$  E., 38 lks. dist., mkd.  $\frac{1}{4}$  S 9 BT.

Continue over gently rolling land.

44.28 Drain, 5 lks. wide, course N.; asc. 38 ft. over NE. slope.

45.98 Old road, brs. N.  $60^\circ$  W. and S.  $45^\circ$  E.

57.48 Low ridge, brs. N. and S.; desc. 23 ft. over gentle W. slope to

79.98 Cor. of secs. 8, 9, 16 and 17.

Land, gently rolling.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

N.  $0^\circ 03'$  W. bet. secs. 8 and 9.

Over nearly level land, thru dense timber and scattering undergrowth.

14.80 Old wood road, brs. N.  $70^\circ$  W. and S.  $70^\circ$  E.

22.00 Swale, course W.; asc. slightly over S. slope.

35.00 Low ridge, brs. E. and W.; desc. gradually over NW. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bed rock and in a mound of stone to top, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
S 8 | S 9

1936

Survey: Subdivision Lines T. 39 N., R. 4 E.

Chains	<p style="text-align: right;">from which</p> <p>Pinyon, 8 ins. diam., brs. S. <math>77\frac{3}{4}^{\circ}</math> E., 51 lks. dist., mkd. <math>\frac{1}{4}</math> S 9 BT.</p> <p>Pinyon, 16 ins. diam., brs. S. <math>32\frac{1}{4}^{\circ}</math> W., 76 lks. dist., mkd. <math>\frac{1}{4}</math> S 8 BT.</p> <p>Thence over gently rolling land.</p> <p>Desc. 81 ft. over NW. slope.</p> <p>75.00 Draw, 5 lks. wide, course NE.</p> <p>80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 4, 5, 8 and 9, with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td>T 39 N</td><td>R 4 E</td></tr> <tr><td>S 5</td><td>S 4</td></tr> <tr><td>S 8</td><td>S 9</td></tr> </table> <p>1936</p> <p style="text-align: right;">from which</p> <p>Juniper, 8 ins. diam., brs. N. <math>53^{\circ}</math> E., 117 lks. dist., mkd. T 39 N R 4 E S 4 BT.</p> <p>Pinyon, 20 ins. diam., brs. S. <math>67\frac{1}{2}^{\circ}</math> E., 102 lks. dist., mkd. T 39 N R 4 E S 9 BT.</p> <p>Pinyon, 10 ins. diam., brs. S. <math>48\frac{1}{2}^{\circ}</math> W., 176 lks. dist., mkd. T 39 N R 4 E S 8 BT.</p> <p>Juniper, 10 ins. diam., brs. N. <math>46\frac{1}{2}^{\circ}</math> W., 126 lks. dist., mkd. T 39 N R 4 E S 5 BT.</p> <p>Land, nearly level and gently rolling. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush. Grass, fair.</p> <hr/> <p>S. <math>89^{\circ} 58'</math> E. on random line bet. secs. 4 and 9.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>80.06 Intersect N. and S. line, 7 lks. N. of the cor. of secs. 3, 4, 9 and 10.</p> <p>Thence N. <math>89^{\circ} 55'</math> W. on true line bet. secs. 4 and 9.</p> <p>Over nearly level land, thru dense timber and scattering undergrowth.</p> <p>2:30 Drain, 18 lks. wide, course NW.</p> <p>21.60 Drain, 10 lks. wide, course NW. Enter gently rolling land; desc. 29 ft. over NW. slope.</p> <p>40.03 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <div style="text-align: center;"> <table border="1"> <tr><td><math>\frac{1}{4}</math></td><td>S 4</td></tr> <tr><td></td><td>S 9</td></tr> </table> <p>1936</p> </div> </div>	T 39 N	R 4 E	S 5	S 4	S 8	S 9	$\frac{1}{4}$	S 4		S 9
T 39 N	R 4 E										
S 5	S 4										
S 8	S 9										
$\frac{1}{4}$	S 4										
	S 9										

Chains

from which

Pinyon, 10 ins. diam., brs. S. 8° E., 42 lks. dist.,  
mkd.  $\frac{1}{4}$  S 9 BT.

Pinyon, 10 ins. diam., brs. N. 53° E., 32 lks. dist.,  
mkd.  $\frac{1}{4}$  S 4 BT.

Continue over gently rolling land.

Desc. 27 ft. over NW. slope.

42.00 Drain, 25 lks. wide, course N.; asc. 29 ft. over E. slope.

45.00 Spur, slopes N.; desc. 62 ft. over W. slope.

51.40 Drain, 25 lks. wide, course N.; asc. 48 ft. over E. slope.

60.00 Spur, slopes N.; desc. 34 ft. over W. slope.

70.80 Drain, 15 lks. wide, course NW. Enter nearly level land.

80.06 Cor. of secs. 4, 5, 8 and 9.

Land, nearly level and gently rolling.  
Soil, sandy, rocky and 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

N. 0° 04' W. on random line bet. secs. 4 and 5.

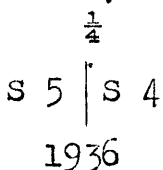
40.00 Set temp.  $\frac{1}{4}$  sec. cor.

80.04 Intersect. N. bdy. of Tp., 2 lks. W. of 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 nearly level land, thru dense timber and scattering  
undergrowth; asc. 29 ft. over gradual N. slope to

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



from which

Pinyon, 6 ins. diam., brs. S. 39 $\frac{1}{4}$ ° E., 54 lks. dist.,  
mkd.  $\frac{1}{4}$  S 4 BT.

Pinyon, 8 ins. diam., brs. S. 62° W., 46 lks. dist.,  
mkd.  $\frac{1}{4}$  S 5 BT.

Continue over nearly level land.

Asc. 34 ft. over gentle N. slope to

80.04 Cor. of secs. 4, 5, 8 and 9.

Land, nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

Survey: Subdivision Lines T. 39 N., R. 4 E.

44

## Chains

From the cor. of secs. 5, 6, 31 and 32 on S. bdy. of Tp., which is an iron post, 2 ins. diam., projecting 10 ins. above ground, firmly set, with brass cap properly mkd. and witnessed by four pits, one in each sec. 3 ft. dist.

Thence N.  $0^{\circ} .03'$  W. bet. secs. 31 and 32.

Over gently rolling land, thru scattering undergrowth; asc. 57 ft. over S. slope thru a group of small sandstone hills.

15.00 Top of hill; desc. 40 ft. over N. slope to

22.65 Foot of hill, thence over nearly level land.

36.61 Wash, 8 lks. wide, 2 ft. deep, course E.; old road brs. E. and W.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground and deposit a stone 5 x 5 x 3 ins. mkd. with a cross (x) at base, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
S 31 | S 32

1936

Continue over nearly level land; desc. 44 ft. over N. slope.

55.97 Wash, 15 lks. wide, 2 ft. deep, course SE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, and deposit a stone 4 x 6 x 3 ins. mkd. with a cross (x) at base, for cor. of secs. 29, 30, 31 and 32, with brass cap mkd.

T 39 N. R' 4 E

S 30 | S 29  
S 31 | S 32

1936

Land, gently rolling and nearly level.

Soil, sandy, 3rd rate.

Timber, none.

Undergrowth, sagebrush.

Grass, fair.

S.  $89^{\circ} 58'$  E. on random line bet. secs. 29 and 32.

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

79.90 Intersect N. and S. line 2 lks. S. of cor. of secs. 28, 29, 32 and 33.

Thence N.  $89^{\circ} 59'$  W. on true line bet. secs. 29 and 32.

Over rolling land, thru scattering undergrowth, thru sandstone hills; asc. 19 ft. over E. slope.

2.00 Spur, slopes SE.; desc. 176 ft. over W. slope.

10.85 Drain, course south; asc. 55 ft. over E. slope.

15.67 Spur, slopes south; desc. 188 ft. over broken SW. slope.

Chains	
39.95	Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the ground, over a cross (x) mkd. on bed rock, and in a mound of stone to top, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4} \frac{S 29}{S 32}$
	1936
	Continue over rolling land; desc. 90 ft. over broken SW. slope.
67.95	Wash, 15 lks. wide, 2 ft. deep, course south.
	Thence over nearly level land.
79.90	Cor. of secs. 29, 30, 31 and 32.
	Land, rolling and nearly level.
	Soil, sandy, 3rd rate.
	Timber, none.
	Undergrowth, sagebrush.
	Grass, fair.
	N. 89° 58' W. on random line bet. secs. 30, and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.50	Intersect W. bdy. of Tp. 2 lks. S. of the cor. secs. 25, 30, 31 and 36, which is an iron post, 2 ins. diam., projecting 10 ins. above ground, firmly set with brass cap properly mkd. and witnessed by a mound of stone W. of cor.
	Thence S. 89° 57' E. on true line bet. secs. 30 and 31.
	Over nearly level land, thru scattering undergrowth.
9:62	Wash; 20 lks. wide, 2 ft. deep, course south.
29.61	Road; brs. NW. and SE.
39.50	Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4} \frac{S 30}{S 31}$
	1936
	dig pits 18 x 18 x 12 ins. E. and W. of post, 3 ft. dist.
	Storage tank and corral brs. S. 1° 30' W., 13.60 chs. dist.
	Continue over nearly level land.
58.40	Leave nearly level and enter rolling land; desc. 72 ft. over E. slope.
69.81	Wash, 20 lks. wide, 2 ft. deep, course SE.
	Thence over nearly level sandy land.
79.50	Cor. of secs. 29, 30, 31 and 32.

## Chains

Land, nearly level and rolling.  
Soil, sandy, 3rd rate.  
Timber, none.  
Undergrowth, sagebrush.  
Grass, fair.

N. 0° 03' W. bet. secs. 29 and 30.

Over nearly level land, thru scattering undergrowth.

12.57 Wash, 20 lks. wide, 2 ft. deep, course SE.

Leave nearly level and enter rolling land; asc. 79 ft. over SW. slope.

28.40 Top of rocky point of hill; desc. 107 ft. over N. slope.

35.07 Drain, course SE.; asc. 57 ft. over S. slope to

40.00 Set an iron post, 3 ft. long, 1 in. diam.; 28 ins. in the ground, and deposit a stone 4 x 4 x 2 ins. mkd. with a cross (x) at base, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   
S 29 | S 30

1936

Continue over rolling land; asc. 9 ft. over S. slope.

40:50 Small spur, slopes East; desc. 86 ft. over broken N. slope.

50.62 Drain, course East; asc. 80 ft. over S. slope to

60.00 Foot of steep south slope. Enter mountainous land; asc. 583 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground, over a cross (x) mkd. on bed rock and in a mound of stone to top, for cor. of secs. 19, 20, 29 and 30, with brass cap mkd.

T 39 N R 4 E  
S 19 | S 20  
S 30 | S 29

1936

Land, nearly level, rolling, broken and mountainous.  
Soil, gravelly and rocky, 4th rate.  
Timber, none.  
Undergrowth, sagebrush.  
Grass, fair.

S. 89° 59' E. on random line bet. secs. 20 and 29.

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

79.90 Intersect N. and S. line, 2 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 mountainous land, thru scattering undergrowth, along

Chains

steep broken S. slope from Vermillion Cliffs.

39.95

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground and deposit a stone 4 x 2 x 2 ins. mkd. with a cross (x) at base for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \frac{S 20}{S 29} \\ 1936$$

Continue over mountainous land along steep broken S. slope of Vermillion Cliffs.

79.90

Cor. of secs. 19, 20, 29 and 30.

Land, mountainous.  
Soil, gravelly and rocky, 4th rate.  
Timber, none.  
Undergrowth, sagebrush.  
Grass, poor.

N. 89° 57' W. on random line bet. secs. 19 and 30.

40.00

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

79.42

Intersect W. bdy. of Tp. 2 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, projecting 24 ins. above ground, firmly set in a mound of stone with brass cap properly mkd.

Thence S. 89° 56' E. on true line bet. secs. 19 and 30.

Over mountainous land along steep south slope of Vermillion Cliffs, thru scattering undergrowth.

39.42

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$$\frac{1}{4} \frac{S 19}{S 30}$$

1936

Continue over mountainous land; along steep S. slope.

79.42

Cor. of secs. 19, 20, 29 and 30.

Land, mountainous.  
Soil, gravelly and rocky, 4th rate.  
Timber, none.  
Undergrowth, sagebrush.  
Grass, poor.

N. 0° 03' W. bet. secs. 19 and 20.

Over mountainous land, thru scattering undergrowth; asc. 50 ft. over steep S. slope to

3.76

Base of Vermillion Cliffs. From this point the line passes over the nearly perpendicular ascent of the cliffs. Chaining is impracticable, therefore, triangulate as follows:

Designate the  $\frac{1}{4}$  sec. cor. of secs. 29 and 30 as point "A".

Set a flag "B" ahead N. 0° 16' W. on top of the cliff, the vertical angle to which from "A" is + 20° 48'.

## Chains

From "B" measure a base S.  $67^{\circ} 51'$  W., 5.25 chs. and set flag "C" which brs. N.  $5^{\circ} 46'$  W. from "A".

The included angles of the triangle A-B-C- are  $5^{\circ} 30'$ ,  $68^{\circ} 07'$  and  $106^{\circ} 23'$ , the sum of which is  $180^{\circ} 00'$ .

Dist. triangulated = 52.55 chs.

Dist. on line bet. secs. 29 and 30 = 40.00 chs.

Dist. triangulated bet. secs. 19 and 20 = 12.55 chs.

Dist. from base of cliff to top 8.79 chs.

Measure 20 lks. E. to obtain point on line at

12.55 Top of Vermillion Cliffs and rim of mesa brs. SW. and East 702 ft. above cor. of secs. 19, 20, 29 and 30.

Resume measurement by chaining, over gently rolling mesa.

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

S 19 | S 20

1936

from which

Juniper, 14 ins. diam., brs. N.  $35^{\circ} 30'$  W., 116 lks. dist., mkd.  $\frac{1}{4}$  S 19 BT.

Pinyon, 20 ins. diam., brs. N.  $84^{\circ} 45'$  E., 76 lks. dist., mkd.  $\frac{1}{4}$  S 20 BT.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 17, 18, 19 and 20, with brass cap mkd.

T 39 N R 4 E

S 18 | S 17

S 19 | S 20

1936

from which

Juniper, 8 ins. diam., brs. N.  $13^{\circ}$  E., 54 lks. dist., mkd. T 39 N R 4 E S 17 BT.

Pinyon, 12 ins. diam., brs. S.  $67^{\circ}$  E., 70 lks. dist., mkd. T 39 N R 4 E S 20 BT.

Pinyon, 10 ins. diam., brs. S.  $40^{\circ}$  W., 20 lks. dist., mkd. T 39 N R 4 E S 19 BT.

Juniper, 24 ins. diam., brs. N.  $57^{\circ}$  W., 91 lks. dist., mkd. T 39 N R 4 E S 18 BT.

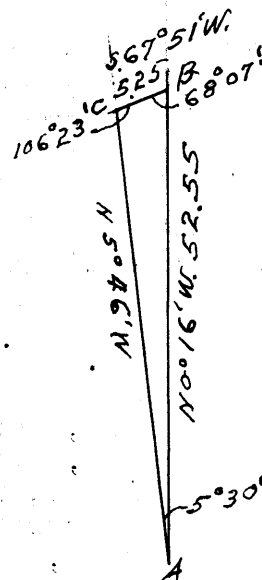
Land, mountainous and gently rolling.

Soil, sandy, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, sagebrush.

Grass, fair.





Chains

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

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

80.02 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 rolling land, thru dense timber and undergrowth.

40.01 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

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

1936

from which

Pinyon, 8 ins. diam., brs. N. 16° 45' E., 66 lks. dist., mkd.  $\frac{1}{4}$  S 17 BT.

Pinyon, 16 ins. diam., brs. S. 46° 30' W., 83 lks. dist., mkd.  $\frac{1}{4}$  S 20 BT.

Continue over gently rolling land.

65.00 Swale, course NW.

80.02 Cor. of secs. 17, 18, 19 and 20.

Land, gently rolling.

Soil, sandy and rocky, 3rd and 4th rate.

Timber, juniper and pinyon.

Undergrowth, sagebrush and rabbitweed.

Grass, fair.

N. 89° 56' W. on random line bet. secs. 18 and 19.

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

79.54 Intersect the W. bdy. of the Tp. 9 lks. N. of cor. of secs 13, 18, 19 and 24, which is an iron post, 2 ins. diam., projecting 8 ins. above ground, firmly set with brass cap properly mkd. and witnessed by four bearing trees each properly mkd. and bearing N. 33 $\frac{1}{2}$ ° E., 145 lks. dist., S. 68 $\frac{3}{4}$ ° E., 334 lks. dist., S. 49 $\frac{1}{4}$ ° W., 87 lks. dist., and N. 42 $\frac{3}{4}$ ° W., 100 lks. dist.

Thence East on true line bet. secs. 18 and 19.

Over gently rolling land, thru dense timber and scattering undergrowth.

11.94 Sandstone outcrop.

19.54 Top of small knoll; desc. gradually.

39.54 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for  $\frac{1}{4}$  sec. cor. with brass cap mkd.

$\frac{1}{4}$   $\frac{S 18}{S 19}$

1936

from which

Survey: Subdivision Lines T. 39 N., R. 4 E.

50.

Chains	<p>✓ Pinyon, 10 ins. diam., brs. S: 45° E., 69 lks. dist., mkd. <math>\frac{1}{4}</math> S 19 BT.</p> <p>✓ Pinyon, 8 ins. diam., brs. N. 37° W., 63 lks. dist., mkd. <math>\frac{1}{4}</math> S 18 BT.</p> <p>Continue over gently rolling land, thru dense timber and scattering undergrowth.</p>
79.54	<p>Cor. of secs. 17, 18, 19 and 20.</p> <p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>
40.00	<p>N. 0° 03' W. bet. secs. 17 and 18.</p> <p>Over gently rolling land, thru dense timber and scattering undergrowth.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for <math>\frac{1}{4}</math> sec. cor. with brass cap mkd.</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 18   S 17 1936</p> <p style="text-align: right;">from which</p> <p>✓ Pinyon, 6 ins. diam., brs. S. 84° E., 17 lks. dist., mkd. <math>\frac{1}{4}</math> S 17 BT.</p> <p>✓ Pinyon, 16 ins. diam., brs. S. 9<math>\frac{1}{2}</math>° W., 176 lks. dist., mkd. <math>\frac{1}{4}</math> S 18 BT.</p> <p>Continue over gently rolling land.</p>
50.00	<p>Open draw course NW.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 7, 8, 17 and 18, with brass cap mkd.</p> <p style="text-align: center;">T 39 N R 4 E S 7   S 8 ----- S 18   S 17</p> <p style="text-align: center;">1936</p> <p style="text-align: right;">from which</p> <p>✓ Juniper, 6 ins. diam., brs. N. 73<math>\frac{1}{2}</math>° E., 263 lks. dist., mkd. T 39 N R 4 E S 8 BT.</p> <p>✓ Pinyon, 8 ins. diam., brs. S. 64<math>\frac{1}{4}</math>° E., 320 lks. dist., mkd. T 39 N R 4 E S 17 BT.</p> <p>✓ Pinyon, 10 ins. diam., brs. S. 23° W., 278 lks. dist., mkd. T 39 N R 4 E S 18 BT.</p> <p>✓ Pinyon, 12 ins. diam., brs. N. 57<math>\frac{1}{2}</math>° W., 138 lks. dist., mkd. T 39 N R 4 E S 7 BT.</p> <p>Land, gently rolling. Soil, sandy and rocky, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.</p>

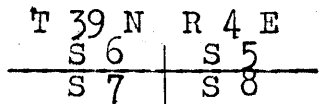
Chains	East on random line bet. secs. 8 and 17
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 2 lks. N. of the cor. of secs. 8, 9, 16 and 17.
	Thence N. $89^{\circ} 59'$ W. on true line bet. secs. 8, and 17.
	Over gently rolling land, thru dense timber and scattering undergrowth; desc. 23 ft. over NW. slope.
4.98	Drain, 15 lks. wide, course NW.; asc. 15 ft. over NE. slope
9.98	Small knoll; desc. 12 ft. over NW. slope.
14.98	Swale course NE.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\begin{array}{c} \text{S. 8} \\ \text{S 17} \\ 1936 \end{array}$
	from which
	Pinyon, 14 ins. diam., brs. S. $15^{\circ}$ E., 94 lks. dist., mkd. $\frac{1}{2}$ S 17 BT.
	Pinyon, 8 ins. diam., brs. N. $16\frac{1}{2}^{\circ}$ W., 103 lks. dist., mkd. T S 8 BT.
	Continue over gently rolling land.
	Desc. 30 ft. over W. slope.
59.98	Swale, course NW.
79.98	Cor. of secs. 7, 8, 17 and 18.
	Land, gently rolling. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush. Grass, fair.
	West on random line bet. secs. 7 and 18.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.39	Intersect W. bdy. of Tp. 7 lks. S. of the cor. of secs. 7, 12, 13 and 18, which is an iron post, 2 ins. diam., projecting 9 ins. above ground, firmly set, with brass cap properly mkd. and witnessed by four bearing trees, each properly mkd. and bearing N. $37\frac{1}{2}^{\circ}$ E.; 47 lks. dist., S. $10\frac{1}{2}^{\circ}$ E., 136 lks. dist., S. $22^{\circ}$ W., 64 lks. dist. and N. $37^{\circ}$ W., 8 lks. dist.
	Thence S. $89^{\circ} 57'$ E. on true line bet. secs. 7 and 18.
	Over nearly level land, thru dense timber and scattering undergrowth.
20.00	Swale, course NW.; asc. gentle SW. slope.

## Survey: Subdivision Lines T. 39 N., R. 4 E.

52

Chains	
35.00	Desc. over gentle E. slope to
39.39	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ $\frac{S 7}{S 18}$ 1936 from which
	Pinyon, 10 ins. diam., brs. S. $2\frac{1}{2}^{\circ}$ W., 51 lks. dist., mkd. $\frac{1}{4}$ S 18 BT.
	Pinyon, 10 ins. diam., brs. N. $45^{\circ}$ W., 46 lks. dist., mkd. $\frac{1}{4}$ S 7 B T.
	Continue over nearly level land.
60.00	Low spur, slopes N.
70.00	Swale course N.; asc. 11 ft. over W. slope.
77.50	Low spur, slopes N.; desc. slightly to
79.39	Cor. of secs. 7, 8, 17 and 18.
	Land, nearly level. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.
	N. $0^{\circ} 03'$ W. bet. secs. 7 and 8.
	Over nearly level land, thru dense timber and scattering undergrowth.
20.00	Small drain, course NW.; enter gently rolling land.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap mkd.
	$\frac{1}{4}$ S 7   S 8 1936 from which
	Pinyon, 14 ins. diam., brs. S. $64^{\circ}$ E., 100 lks. dist., mkd. $\frac{1}{4}$ S 8 BT.
	Juniper, 14 ins. diam., brs. S. $74\frac{1}{2}^{\circ}$ W., 43 lks. dist., mkd. $\frac{1}{4}$ S 7 BT.
	Continue over gently rolling land; asc. gradually over SW. slope.
45.00	Spur, slopes NW.; desc. 29 ft. over N. slope to sec. cor.
63.50	Wood road, brs. N. $70^{\circ}$ W. and S. $70^{\circ}$ E.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap mkd.

Chains



1936

from which

Juniper, 14 ins. diam., brs. N.  $57\frac{1}{4}^\circ$  E., 69 lks. dist.  
mkd. T 39 N R 4 E S 5 BT.

Juniper, 8 ins. diam., brs. S.  $85^\circ$  E., 106 lks. dist.,  
mkd. T 39 N R 4 E S 8 BT.

Juniper, 30 ins. diam., brs. S.  $37\frac{1}{2}^\circ$  W., 249 lks. dist.  
mkd. T 39 N R 4 E S 7 BT.

Juniper, 8 ins. diam., brs. N.  $21^\circ$  W., 121 lks. dist.,  
mkd. T 39 N R 4 E S 6 BT.

Land, nearly level and gently rolling.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

S.  $89^\circ 59'$  E. on random line bet. secs. 5 and 8.

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

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

Thence West on true line bet. secs. 5 and 8.

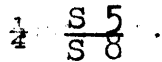
Over gently rolling land, thru dense timber and scatter-  
ing undergrowth; asc. 29 ft. over NE. slope.

4.90 Low ridge, brs. NW. and SE.; desc. 30 ft. over SW. slope.

20.90 Swale, course NW.; asc. 15 ft. over NE. slope.

24.90 Thence over nearly level land.

39.95 Set an iron post, 3 ft. long, 1 in. diam., 11 ins. in the  
ground to bedrock and in a mound of stone to top for  
 $\frac{1}{4}$  sec. cor. with brass cap mkd.



1936

from which

Pinyon, 10 ins. diam., brs. S.  $59\frac{1}{4}^\circ$  E., 45 lks. dist.,  
mkd.  $\frac{1}{4}$  S 8 BT.

Pinyon, 14 ins. diam., brs. N.  $29\frac{1}{2}^\circ$  E., 140 lks. dist.  
mkd.  $\frac{1}{4}$  S 5 BT.

Continue over nearly level land.

64.90 Swale, course NW.; asc. 22 ft. over E. slope to

79.90 Cor. of secs. 5, 6, 7 and 8.

Land, gently rolling and nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.

Survey: Subdivision Lines T. 39 N., R. 4 E.

54.

Chains	Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.
	N. 89° 57' W. on random line bet. secs. 6 and 7.
40:00	Set temp. $\frac{1}{4}$ ' sec. cor.
79.35	Intersect cor. of secs. 1, 6, 7 and 12, on W. bdy. of Tp. which is an iron post, 2 ins. diam., projecting 7 ins. above ground, firmly set with brass cap properly mkd. and witnessed by four bearing trees, each properly mkd. and bearing N. 12 $\frac{1}{4}$ ° E., 367 lks. dist., S. 70 $\frac{1}{4}$ ° E., 362 lks. dist., S. 27 $\frac{3}{4}$ ° W., 63 lks. dist., and N. 34 $\frac{1}{2}$ ° W., 229 lks. dist.
	Thence S. 89° 57' E. on true line bet. secs. 6 and 7.
	Over nearly level land, thru dense timber and scattering undergrowth; asc. over gentle west slope.
15.00	Low spur slopes N., desc: gentle E. slope.
20.00	Asc. gentle SW. slope.
22.77	Wood road, brs. N. 60° W. and S. 60° E.
35.00	Low spur, slopes NW.; desc. gentle E. slope to
39.35	Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground for $\frac{1}{4}$ ' sec. cor. with brass cap mkd.
	$\frac{1}{4}$ $\frac{S 6}{S 7}$
	1936
	from which
	✓ Juniper, 10 ins. diam., brs: N. 48 $\frac{1}{2}$ ° E., 157 lks. dist., mkd. $\frac{1}{4}$ S 6 BT.
	✓ Juniper, 12 ins. diam., brs. S. 46 $\frac{1}{2}$ ° W., 154 lks. dist., mkd: $\frac{1}{2}$ S 7 BT.
	Desc. over gentle E. slope.
59.35	Asc. 15 ft. over W. slope.
64.35	Low spur, slopes N.; desc. 15 ft. over E. slope to
79.35	Cor. of secs. 5, 6, 7 and 8.
	Land, nearly level. Soil, sandy and gravelly, 3rd and 4th rate. Timber, juniper and pinyon. Undergrowth, sagebrush and rabbitweed. Grass, fair.
	N. 0° 03' W. on random line bet. secs. 5 and 6.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. bdy. of Tp. 3 lks. E. of the cor. of secs. 5, 6, 31 and 32 hereinbefore described.
	Thence S. 0° 04' E. on true line bet. secs. 5 and 6.

Chains

Over level land, thru dense timber and scattering undergrowth.

40.10

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

$\frac{1}{4}$   
S 6 | S 5

1936

from which

✓ Pinyon, 8 ins. diam., brs. N.  $24\frac{3}{4}^{\circ}$  E., 51 lks. dist., mkd.  $\frac{1}{4}$  S 5 BT.

✓ Pinyon, 10 ins. diam., brs. N.  $46\frac{1}{4}^{\circ}$  W., 147 lks. dist., mkd.  $\frac{1}{4}$  S 6 BT.

Thence over nearly level land.

80.10

Cor. of secs. 5, 6, 7 and 8.

Land, level and nearly level.  
Soil, sandy and gravelly, 3rd and 4th rate.  
Timber, juniper and pinyon.  
Undergrowth, sagebrush.  
Grass, fair.

#### FINAL TEST OF TRANSIT NO. 8540.

Nov. 1, 1936: At camp in the NW $\frac{1}{4}$  of sec. 6, T. 38 N., R. 5 E., at 9h. 0m. a.m., app. t., set off  $36^{\circ} 44'$  N. on the lat. arc,  $14^{\circ} 30'$  S. on the decl. arc, and orient the instrument with the solar; the line of sight agrees with the meridian determined by Polaris observation.

At 3h. 0m. p. m. app. t., with the lat. arc unchanged, set off  $14^{\circ} 35'$  S. on the decl. arc, and repeat the test of the solar; the line of sight agrees with the meridian determined by Polaris observation.

#### FINAL TEST OF TRANSIT NO. 8526.

Nov. 15, 1936; At camp in the NW $\frac{1}{4}$  of sec. 6, T. 38 N., R. 5 E., at 9h. 0m. app. t., set off  $36^{\circ} 44'$  N. on the lat. arc  $18^{\circ} 31\frac{1}{2}'$  S. on the decl. arc, and orient the instrument with the solar; the line of sight agrees with the meridian determined by Polaris observation.

At 3h. 0m. p.m. app. t., with the lat. arc. unchanged, set off  $18^{\circ} 35\frac{1}{2}'$  S. on the decl. arc, and repeat the test of the solar; the line of sight agrees with the meridian determined by Polaris observation.

#### GENERAL DESCRIPTION.

The N. 4 miles of this Tp. is on the Paria Plateau which is about 6500 ft. above sea level.

The S. 2 miles is below the Vermilion Cliffs, which traverses the Tp. E. and W. and is about 1000 to 1500 ft. lower than the plateau above the cliffs.

The soil in the upper part of the Tp. is stony, 3rd and 4th rate in character and is unfit for agricultural purposes.

The soil in the lower part of the Tp. is sandy 4th. rate in character and is unfit for agricultural purposes.

The upper part of the Tp. is well timbered with scrub

juniper and pinyon unfit for anything but fuel and fence post.

There is little or no timber in the lower part of the Tp.

This Tp. is suitable for stock raising and is now used as such.

The only settler is located in sec. 27.

No mineral deposits were noted.



4-680  
(August, 1926)

**FIELD ASSISTANTS.**

NAMES.	CAPACITY.
Dawson Cooley	Prin. Assistant.
Ed Brenizer	Chainman
James D. King	Cornerman
Archer Munger	Flagman
Assistants of Elliott Pearson	
A.W. Stacey	Prin. Assistant
E.W. James	2nd Chainman
Harold Spires	Flagman
Walter Fields	Axman
J.R. Butler	Axman
F. Brown	Flagman
Fred D. Harris	Axman
Bert Gilbert	Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR

We, Elliott Pearson, U.S. Transitman and Daniel Wier, U. S. Transitman,

hereby certify upon honor that, in pursuance of special instructions received from the District Cadastral Engineer for Arizona

bearing date of the 30th day of July, 1936, we 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~~ the

NORTH BOUNDARY and SUBDIVISION LINES

of

TOWNSHIP 39 NORTH, RANGE 4 EAST

of the Gila and Salt

River Base and Meridian, in the State of Arizona, which are represented in

the foregoing field notes as having been executed by me, and under the direction of Benjamin J. Kinsey, U.S. Surveyor; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the 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.

Phoenix, Arizona February 23, 1937.

Springerville Ariz June 7, 1937.

Handwritten signatures of Daniel M. Wier and Elliott Pearson, U.S. Transitman.

APPROVAL

OFFICE OF U. S. SUPERVISOR OF SURVEYS,

Denver, Colorado, June 21, 1937

The foregoing field notes of the survey of the

NORTH BOUNDARY

and

SUBDIVISION LINES

of

TOWNSHIP 39 NORTH, RANGE 4 EAST

of the Gila and Salt River Base and Meridian, in the State of Arizona

executed by Daniel Wier and Elliott Pearson, U. S. Transitmen

under his special instructions dated July 30th, 1936, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Handwritten signature of 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.