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CRIC

Book "C"

4-679

BOOK 3551

# FIELD NOTES

OF THE RETRACEMENT

of the

Hualapai Indian Reservation Bdy. from 44 $\frac{1}{2}$  mile cor. to 44 mile cor.,

and Survey of

Sixth Standard Parallel North, thru. part of Range 13 West, and

Part (Completion) of the North bdy., and

Part (Completion) of the Subdivision lines

of

TOWNSHIP 25 NORTH, RANGE 13 WEST,

(In the Hualpai Indian Reservation)

Of the Gila and Salt River Base and Meridian,

In the State of Arizona.

EXECUTED BY

Dupree R. Averill and James C. O'Brien,

In the capacity of U. S. Surveyors, under instructions dated February 20, 1920, issued by the United States Surveyor General to govern surveys included in Group No. 109, Ariz, which were approved by the Commissioner of the General Land Office, March 10, 1920, and Assignment Instructions dated September 10, 1920.

Survey commenced September 13, 1920

Survey completed October 11, 1920.

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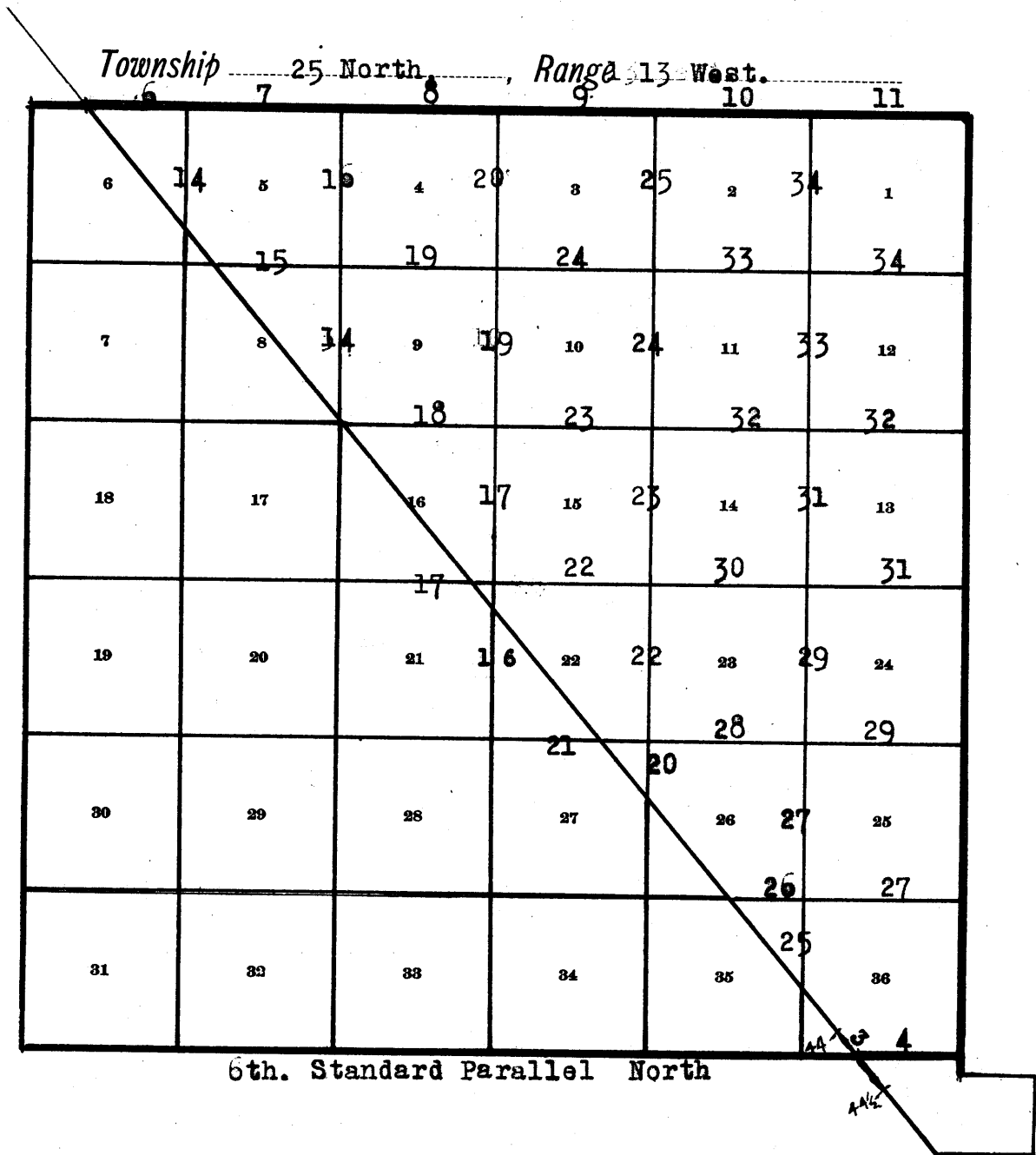
1A

Book "C"

Group 109 - - - Arizona.

BOOK 3551

# INDEX DIAGRAM.



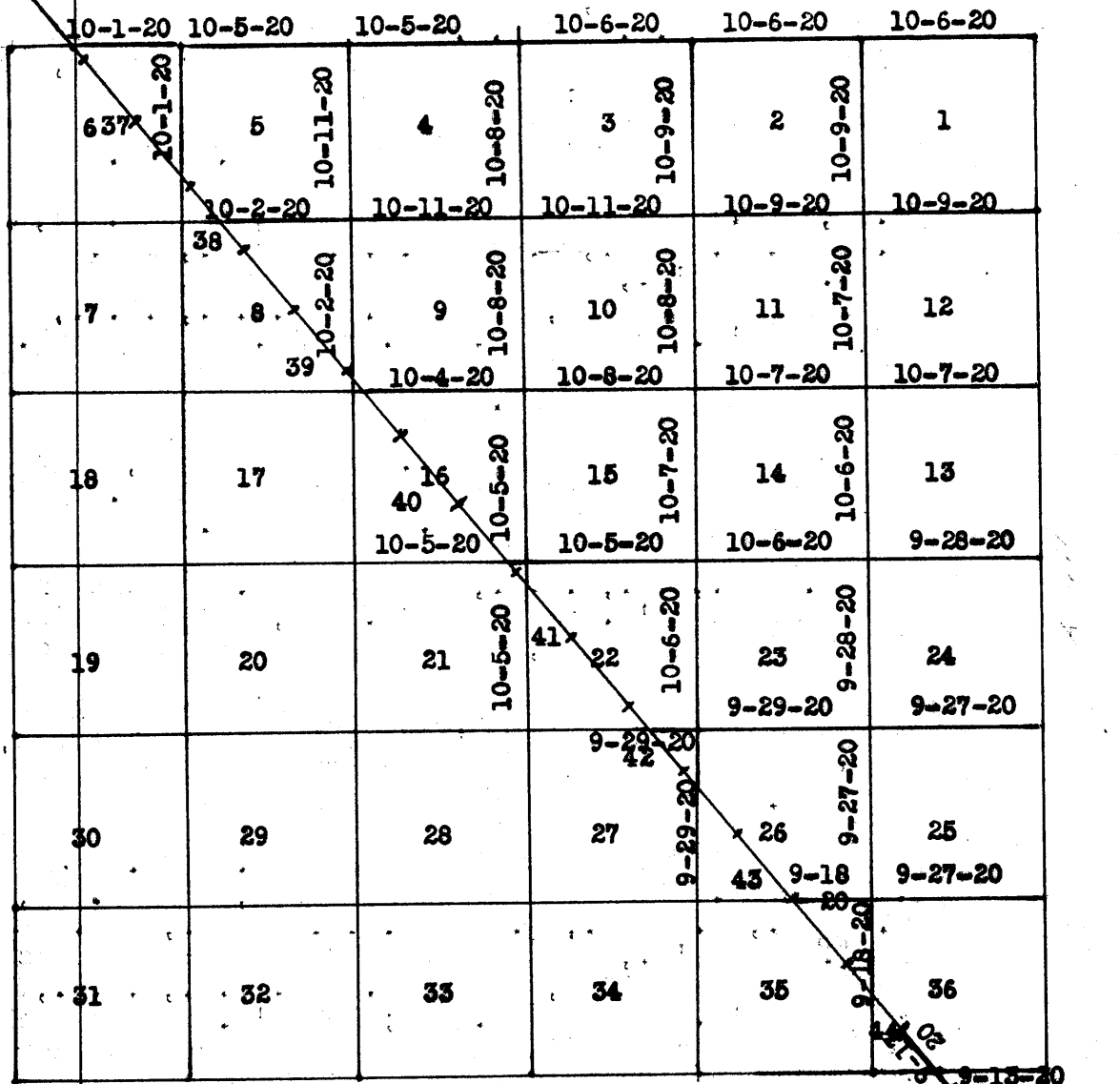
- Lines surveyed under Group 109.
- Accepted surveys, covering  
Areas surveyed as per accepted plats on file.
- Lines retraced under Group 109.

DATE DIAGRAM.

Book "C"

Group 109 - - - - Arizona

Township 25 North, Range 13 West.



6th Std. Par. N.

Green lines indicate surveys by Dupree R. Averill, U.S.S., on dates shown thereon.

Red lines indicate surveys by James G. O'Brien, U.S.S., on dates shown thereon.

Brown lines indicate accepted surveys.

Surveys hereinafter described executed by Dupree R. Averill and James C. O'Brien, U.S. Surveyors, on dates shown on diagram on page 1 hereof, using respectively Buff solar transit No. 9223 and Young and Sons' light mountain transit No. 8389. For description of instruments and certificate of approval, see Book "B".

Unless otherwise specified, all measurements are made with a Lufkin steel tape, 5 chs. in length, compared with a Chesterman standard steel tape and found correct. The measurements are made on the slope, the vertical angles determined and the slope measurements properly reduced to true horizontal distances.

We examine the adjustments of the transit and correct all errors; then, to test the solar apparatus, by comparing their indications, resulting from solar observations made during a.m. and p.m. hours with a meridian determined by observations on Polaris at elongation, we proceed as follows:

Field test of instrument No. 8389.

Sept. 12, 1920. At our camp at Mud Tank, in sec. 34, T. 25 N. R. 12 W., G. and S.R.B. and M., lat.  $35^{\circ}31'N.$ , long.  $113^{\circ}33\frac{1}{2}'W.$ , using the meridian established as described in Book "A", at 9 hrs. 0 m. a.m., l.m.t., I set off  $35^{\circ}31'N.$  on the lat. arc;  $4^{\circ}5\frac{1}{2}'N.$  on the decl. arc; and determine a meridian with the solar which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting decl. is  $4^{\circ}5\frac{1}{2}'N.$ , which is the computed decl. of the sun.

At 3 hrs. 0 m. p.m., l.m.t., with the lat. arc unchanged I set off  $4^{\circ}2\frac{1}{2}'N.$  on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian, I conclude that the adjustments of the solar are satisfactory.

Field test of instrument No. 9223.

Sept. 19, 1920. At our camp at Mud Tank, in sec. 34, T. 25 N., R. 12 W., G. and S.R.B. and M., lat.  $35^{\circ}31'N.$ , long.  $113^{\circ}33\frac{1}{2}'W.$ , using the meridian established as described in Book "A", at 9 hrs. 0 m. a.m., l.m.t., I set off  $35^{\circ}31'N.$  on the lat. arc;  $1^{\circ}26\frac{1}{2}'N.$  on the decl. arc; and determine a meridian with the solar which agrees with the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting decl. is  $1^{\circ}23\frac{1}{2}'N.$ , which is the computed decl. of the sun.

At 3 hrs. 0 m. p.m., l.m.t., with the lat. arc unchanged, I set off  $1^{\circ}20\frac{1}{2}'N.$  on the decl. arc, and determine a meridian with the solar, which agrees with the true meridian.

As all of the solar observations during the usual hours of solar work come within  $1'30''$  of the true meridian, I conclude that the adjustments of the solar are satisfactory.

Retracement of the Hualpai

Indian Reservation Boundary from 44 1/2 Mile Cor. to 44 Mile Cor.

Chains The boundaries of the Hualpai Indian Reservation were surveyed in August and September, 1900, by Albert T. Colton, U. S. Deputy Surveyor, no mile of which through T.24 N., R.12 W. has been retraced or resurveyed.

From the 44 1/2 mile cor., on the Hualpai Indian Reservation Boundary, which is a limestone, 6 x 10 x 5 ins. above ground, marked H. I. R. 44 1/2 N. on NE. face, and P. L. on SW. face, witnessed by a mound of stone, S. 40° E. of cor.,

N. 40° W. on retracement of N. half of 45 mile.

Over rolling land, through scattering undergrowth.

15.25 Intersect the closing cor. of sec. 36, T.25 N., R.13 W., which is an iron post, 3 ins. diam., set 10 ins. in the ground, in a mound of stone, witnessed by a mound of stone, W. of cor.

40.12 Intersect the 44 mile cor., which is a granite stone, 6 x 20 x 12 ins. above ground, firmly set, marked H. I. R. 44 M. on NE., P.L. on SW faces, witnessed by a mound of stone, S. 40° E. of cor.

The true course and distance of this half mile are therefore S. 40° E., 40.12 chs.

No timber  
Undergrowth, cactus  
Land, rolling.  
Soil, rocky, 4th rate.

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4 Completion of the Survey  
of the 6th Standard Parallel North Through Range 13 West

Chains	<p>In October 1910, J.B. Wright, U.S. Surveyor, surveyed the 6th Standard Parallel North through Range 13 West to an intersection with the Hualpai Indian Reservation Boundary, where a closing cor. was established for sec. 36, T. 25 N., R. 13 W., which is the cor. herein-after described.</p> <p>From the closing cor. of sec. 36, T. 25 N., R. 13 W., which is an iron post, 3 ins. diam., projecting 12 ins. above ground, properly marked, witnessed by a mound of stone, and established 29.48 chs. East of the standard cor. of secs. 35 and 36, T. 25 N., R. 13 W.,</p> <p>East along the S. bdy. of sec. 36, Over broken alnd, through scattering timber and undergrowth. Desc. 40 ft.</p> <p>6.02 Wash, 6 lks. wide, course S. Asc. 10.52 (40.00 chs. East of the standard cor. of secs. 35 and 36, T. 25 N., R. 13 W.) Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for standard <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;">. S C <u><math>\frac{1}{4}</math>S36</u> 1920</p> <p>From which A cedar, 6 ins. diam., brs. N. 27<math>\frac{1}{2}</math>°W., 33 lks. dist., marked BT. A pinyon, 10 ins. diam., brs. N. 25°E., 105 lks. dist., marked <math>\frac{1}{4}</math>S36 SC BT.</p> <p>Continue ascent, 50 ft.</p> <p>15.32 Spur, slopes S. Desc. 65 ft. 33.02 Wash, 5 lks. wide, course SE. Asc. 20 ft. 35.32 Spur, slopes S. Desc. 20 ft. 37.52 Wash, 10 lks. wide, course SW. Asc. 90 ft. 43.02 Spur, slopes S. Desc. 50.52 (80.00 chs. East of the standard cor. of secs. 35 and 36, T. 25 N., R. 13 W.) Set an iron post, 3 ft. long, 3 ins. diam., 26 ins. in the ground, for SE. cor., of T. 25 N., R. 13 W., marked on brass cap</p> <p style="text-align: center;">SC T25N R13W <u>S36</u> 1920</p> <p>From which A cedar, 14 ins. diam., brs. N. 31<math>\frac{1}{2}</math>°W., 280 lks. dist., marked T25N R13W S36 SC BT. Raise a mound of stone 2 ft. base, 1<math>\frac{1}{2}</math> ft. high, NW of cor. Land, broken. Soil, rocky, 3rd rate. Timber, cedar. Undergrowth, scrub oak, sagebrush, Spanish bayonet and cactus. Good growth of grass.</p> <p>-----</p>
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Boundaries of that Portion of  
T. 24 N., R. 13 W. surveyed under this Assignment.

Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
South Boundary	West	36.50	chs.	chs.	chs.	chs.
Reservation Bdy.	N.40°W.	55.25	42.32			36.50 35.51
North Boundary. (6th Std. Par. N.)	East	72.31			72.31	
W. Bdy. T. 25 N., R. 12 W.	South	7.65		7.65		
East Boundary	South	34.80		34.80		
Convergency					.01	
Totals			42.32	42.45	72.32	72.01
Error in lat.				.13		
Error in dep.					.31	

GENERAL DESCRIPTION

The portion of T:24 N., R. 13 W. surveyed at this time rolling and rolling mountainous land; suitable for grazing, without timber or water, but covered with a scattering growth of cactus. There are no settlers, nor are there any indications of mineral.

Completion of the

Survey of the North Boundary of T. 25 N., R. 13 W.

Chains

In January 1917, S. Frank Walters, U.S. Transitman, surveyed the N. bdy. of T. 25 N., R. 13 W. to an intersection with the Haulpai Indian Reservation Boundary, where a closing cor. was established for secs. 6 and 31, Ts. 25 and 26 N., R. 13 W., which is the cor. hereinafter described.

From the closing cor. of secs. 6 and 31, on the N. bdy. of T. 25 N., R. 13 W., which is an iron post, 2 ins. diam. set in a mound of stone, 27.77 chs. E. of the cor. of Ts. 25 and 26 N., Rs. 13 and 14 W., witnessed by two bearing trees as follows:

- A cedar, 12 ins. diam., brs. N. 75 1/2° W., 112 lks. dist., marked CC T26N R13W S31 BT.
- A cedar, 10 ins. diam., brs. S. 48 1/2° W., 72 lks. dist., marked CC T25N R13W S6 BT.

East along the N. bdy. of sec. 6, Over broken land, through scattering timber and undergrowth.

12.07 (40.00 chs. West of the cor. of secs. 31 and 32, T. 26 N., R. 13 W., hereinafter described.) Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 1/4 sec. cor., of sec. 31, T. 26 N., R. 13 W., marked on brass cap

1/4 S 31  
1920

From which

- A cedar, 12 ins. diam., brs. N. 38° E., 249 lks. dist., marked 1/4 S 31 BT.
- A cedar, 6 ins. diam., brs. N. 76° W., 104 lks. dist., marked 1/4 S 31 BT.

12.23 (40.00 chs. East of the cor. of Ts. 25 and 26 N., Rs. 13 and 14 W.) Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground for 1/4 sec. cor. of sec. 6, T. 25 N., R. 13 W., marked on brass cap

1/4 S 6  
1920

From which

- A cedar, 4 ins. diam., brs. S. 24 1/2° E., 101 lks. dist., marked 1/4 S 6 BT.
- A cedar, 6 ins. diam., brs. S. 39 1/2° W., 97 lks. dist., marked 1/4 S 6 BT.

- 12.28 Draw, 2 ft. deep, course N.
- 16.73 Wash, 8 lks. wide, 3 ft. deep, course N. Asc. 55 ft.
- 33.73 Spur, slopes N. Desc. 60 ft.
- 39.13 Wash, 4 lks. wide, course N. Thence over rolling land.
- 44.23 Draw, course N.

52.07 (80.00 chs. West of the cor. of secs. 32 and 33, T. 26 N., R. 13 W., hereinafter described.) Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, in a mound of stone, for cor. of secs. 31 and 32, T. 26 N., R. 13 W., marked on brass cap

T26N	R13W
S31	S32
T25N	R13W
S	6
1920	

From which

- A pinyon, 12 ins. diam., brs. N. 31 1/2° E., 148 lks. dist., marked T26N R13W S32 BT.
- A pinyon, 14 ins. diam., brs. N. 77° W., 96 lks. dist., marked T26N R13W S31 BT.

52.23 (80.00 chs. East of the cor. of Ts. 25 and 26 N., Rs. 13 and 14 W.) Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, in a mound of stone, for cor. of secs. 5 and 6, T. 25 N., R. 13 W., marked on brass cap



Chains	<p style="text-align: center;">T26N R13W  <u>S32</u>  S 6   S 5  T25N R13W  1920</p>
	<p>From which  A pinyon, 18 ins. diam., brs. S. 37<math>\frac{1}{4}</math>°E.,  53 lks. dist., marked T25N R13W S5 BT.  A pinyon, 14 ins. diam., brs. S. 71<math>\frac{1}{4}</math>°W.,  81 lks. dist., marked T25N R13W S6 BT.  Land, rolling and broken.  Soil, rocky, 4th rate.  Timber, cedar and pinyon.  Undergrowth, sagebrush, scrub oak and greasewood.</p>
	<p>-----  East along N. bdy. of sec. 5.  Over rolling mountainous land, through scattering timber  and undergrowth.  Asc. 320 ft.</p>
23.00	<p>Spur, slopes NE? Desc. 65 ft., over SE. slope.  (40.00 chs. West of the cor. of secs. 32 and 33, T. 26 N.,  R. 13 W., hereinafter described.) Set an iron post, 3  ft. long, 1 in. diam., on bed rock, in a mound of stone  for <math>\frac{1}{4}</math> sec. cor. of sec. 32, T. 26 N., R. 13 W., marked on  brass cap</p>
39.84	<p style="text-align: center;"><u><math>\frac{1}{4}</math>S32</u>  1920</p>
	<p>From which  A pinyon, 8 ins. diam., brs. N. 17<math>\frac{3}{4}</math>°E.,  67 lks. dist., marked <math>\frac{1}{4}</math>S32 BT.  A pinyon, 6 ins. diam., brs. N. 31°W.,  104 lks. dist., marked <math>\frac{1}{4}</math>S32 BT.  40.00 Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the  ground, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor. of sec.  5, T. 25 N., R. 13 W., marked on brass cap</p>
	<p style="text-align: center;"><u><math>\frac{1}{4}</math>S 5</u>  1920</p>
	<p>From which  A cedar, 10 ins. diam., brs. S. 37°E.,  84 lks. dist., marked <math>\frac{1}{4}</math>S5 BT  A cedar, 8 ins. diam., brs. S. 59<math>\frac{1}{4}</math>°W.,  111 lks. dist., marked <math>\frac{1}{4}</math>S5 BT.</p>
54.00	<p>Continue descent, 65 ft.  Wash, course NE. Thence over rolling land.  (80.00 chs. West of the cor. of secs. 33 and 34, T. 26 N.,  R. 13 W., hereinafter described.) Set an iron post, 3  ft. long, 2 ins. diam., 4 ins. in the ground, in a mound  of stone, for cor. of secs. 32 and 33, T. 26 N., R. 13 W.,  marked on brass cap</p>
79.84	<p style="text-align: center;">T26N R13W  <u>S32 S33</u>  T25N R13W  S 5  1920</p>
	<p>From which  A pinyon, 10 ins. diam., brs. N. 54<math>\frac{3}{4}</math>°E.,  94 lks. dist., marked T26N R13W S33 BT.  A pinyon, 14 ins. diam., brs. N. 15<math>\frac{1}{4}</math>°W.,  203 lks. dist., marked T26N R13W S32 BT.  80.00 Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in the  ground, in a mound of stone, for cor. of secs. 4 and 5.</p>

## Completion of the

8

Survey of the North Boundary of T. 25 N., R.13 W.

Chains T. 25 N., R. 13 W., marked on brass cap

T26N R13W

S33

T25N R13W

S 5 S 4

1920

From which

A pinyon, 6 ins. diam., brs. S. 33°E.,  
59 lks. dist., marked T25N R13W S4 BT.A pinyon, 7 ins. diam., brs. S. 35½°W.,  
49 lks. dist., marked T25N R13W S5 BT.

Land, rolling and rolling mountainous..

Soil, 2nd and 3rd rates.

Timber, cedar and pinyon.

Undergrowth, Spanish bayonet.

Good grass.

East along N.bdy. of sec. 4.

Over rolling land; through scattering timber and under-  
growth.

Asc. 25 ft.

Spur, slopes NE. Desc. 70 ft.

Wash, course N. Asc. 115 ft., over W. slope.

10.00

28.70

39.84

(40.00 chs. West of the cor. of secs. 33 and 34, T.26 N.,  
R.13 W., hereinafter described.) Set an iron post, 3  
ft. long, 1 in. diam., 24 ins. in the ground, in a  
mound of stone, for ¼ sec. cor. of sec. 33, T.26 N., R.13 W.,  
marked on brass cap¼S33

1920

From which

A pinyon, 12 ins. diam., brs. N. 74½°E.,  
158 lks. dist., marked ¼S33 BT.A pinyon, 10 ins. diam., brs. N. 39½°W.,  
204 lks. dist., marked ¼S33 BT.40.00 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the  
ground, for ¼ sec. cor. of sec. 4, T.25 N., R.13 W., marked  
on brass cap¼S 4

1920

From which

A pinyon, 8 ins. diam., brs. S. 62½°E.,  
42 lks. dist., marked ¼S4 BT.A pinyon, 8 ins. diam., brs. S. 75½°W.,  
106 lks. dist., marked ¼S4 BT.

Cor. falls on spur, slopes NE. Desc. 100 ft.

50.00

Draw, course NE. Thence over rolling land.

69.50

Draw, course NE.

79.84

(80.00 chs. West of the cor. of secs. 34 and 35, T.26 N.,  
R.13 W., hereinafter described.) Set an iron post, 3  
ft. long, 2 ins. diam., 28 ins. in the ground, for cor.  
of secs. 33 and 34, T.26 N., R.13 W., marked on brass  
cap

T26N R13W

S33 S34

T25N R13W

S 4

1920

From which

A cedar, 24 ins. diam., brs. N. 39½°E.,  
73 lks. dist., marked T26N R13W S34 BT.A cedar, 20 ins. diam., brs. N. 32°W.,  
242 lks. dist., marked T26N R13W S33 BT.

Chains  
80.00

Set an iron post, 3 ft. long, 2 ins. diam.; 24 ins. in the ground, for cor. of secs. 3 and 4, T. 25 N., R. 13 W., marked on brass cap

T26N R13W  
S34  
-----  
S 4 | S 3  
T25N R13W  
1920

From which

- A cedar, 12 ins. diam., brs. S. 83 $\frac{3}{4}$ °E., 104 lks. dist., marked T25N R13W S3 BT.
- A cedar, 18 ins. diam., brs. S. 57°W., 172 lks. dist., marked T25N R13W S4 BT.

Land, rolling.  
Soil, rocky, 2nd and 3rd rates.  
Timber, cedar and pinyon.  
Undergrowth, Spanish bayonet..  
Good grass.

-----  
East along N. bdy. of sec. 3.  
Over rolling land, through scattering timber and undergrowth.

- 5.00 Desc. 40 ft.
- 30.00 Draw, course NW. Asc. 55 ft.
- 38.80 Spur, slopes NE. Desc. 30 ft.
- 39.84 Draw, course NE.

(40.00 chs. West of the cor. of secs. 34 and 35, T. 26 N., R. 13 W., hereinafter described.) Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in a mound of stone, for  $\frac{1}{4}$  sec. cor. of sec. 34, T. 26 N., R. 13 W., marked on brass cap

$\frac{1}{4}$ S34  
1920

From which

- A cedar, 12 ins. diam., brs. N. 29°E., 185 lks. dist., marked  $\frac{1}{4}$ S34 BT.
- A cedar, 6 ins. diam., brs. N. 57 $\frac{1}{2}$ °W., 285 lks. dist., marked  $\frac{1}{4}$ S34 BT.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in a mound of stone; for  $\frac{1}{4}$  sec. cor., of sec. 3, T. 25 N., R. 13 W., marked on brass cap

$\frac{1}{4}$ S 3  
1920

From which

- A cedar, 6 ins. diam., brs. S. 32°E., 147 lks. dist., marked  $\frac{1}{4}$ S3 BT.
- A cedar, 4 ins. diam., brs. S. 51 $\frac{1}{2}$ °W., 253 lks. dist., marked  $\frac{1}{4}$ S3 BT.

- 50.00 Asc.
- 65.80 Spur, slopes NE. Desc. 80 ft.
- 79.84 Draw, course N. Asc. 85 ft., over W. slope.

(80.00 chs. West of the cor. of secs. 35 and 36, T. 26 N., R. 13 W., hereinafter described.) Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, in a mound of stone, for cor. of secs. 34 and 35, T. 26 N., R. 13 W., marked on brass cap

T26N R13W  
S34 S35  
-----  
T25N R13W  
S 3  
1920

From which

- A cedar, 12 ins. diam., brs. N. 24 $\frac{3}{4}$ °E., 60 lks. dist., marked T26N R13W S35 BT.

Completion of the

Survey of the North Boundary of T. 25 N., R.13 W.

Chains

80.00 A cedar, 12 ins. diam., brs. N. 46 $\frac{1}{2}$ OW.,  
 220 lks. dist., marked T26N R13W S34 BT.  
 Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the  
 ground, for cor. of secs. 2 and 3, T. 25 N., R. 13 W.,  
 marked on brass cap

T26N R13W  
 S35  
S 3 | S 2  
 T25N | R13W  
 1920

From which

A pinyon, 8 ins. diam., brs. S. 36 $\frac{3}{4}$ OE.,  
 86 lks. dist., marked T25N R13W S2 BT.  
 A pinyon, 10 ins. diam., brs. S. 36 $\frac{3}{4}$ OW.,  
 150 lks. dist., marked T25N R13W S3 BT.

Land, rolling.  
 Soil, rocky, 2nd and 3rd rates.  
 Timber, cedar and pinyon.  
 Undergrowth, Spanish bayonet.  
 Good grass.

-----  
 East along N. bdy. of sec. 2.  
 Over rolling and broken land, through scattering timber  
 and undergrowth.

Asc. 55 ft.  
 10.00 Spur, slopes NW. Desc. 40 ft.  
 14.50 Wash, course NW. Asc.  
 22.00 Spur, slopes N. Desc. 60 ft. over E. slope.  
 29.80 Draw, course NE. Asc. 75 ft.  
 36.00 Spur, slopes N. Desc. 45 ft.

39.84 (40.00 chs. West of the cor. of secs. 35 and 36, T.26 N.,  
 R.13 W., hereinafter described.) Set an iron post, 3  
 ft. long, 1 in. diam., on bed rock, in a mound of stone,  
 for  $\frac{1}{4}$  sec. cor., of sec. 35, T.26 N., R.13 W., marked  
 on brass cap

$\frac{1}{4}$ S 35  
 1920

From which

A cedar, 12 ins. diam., brs. N. 14 $\frac{1}{2}$ OE.,  
 43 lks. dist., marked  $\frac{1}{4}$ S35 BT.  
 A pinyon, 10 ins. diam., brs. N. 53 $\frac{1}{2}$ OW.,  
 129 lks. dist., marked  $\frac{1}{4}$ S35 BT.

40.00 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in  
 a mound of stone, for  $\frac{1}{4}$  sec. cor., of sec. 2, T.25N.,  
 R.13 W., marked on brass cap

$\frac{1}{4}$ S 2  
 1920

From which

A pinyon, 10 ins. diam., brs. S. 47 $\frac{1}{4}$ OE.,  
 90 lks. dist., marked  $\frac{1}{4}$ S2 BT.  
 A pinyon, 10 ins. diam., brs. S. 72OW.,  
 48 lks. dist., marked  $\frac{1}{4}$ S2 BT. Desc. 55 ft.

46.20 Draw, course NW. Asc. 165 ft.  
 59.00 Spur, slopes NE. Desc. 185 ft., over SE slope.  
 70.60 Draw, course NE. Asc. 25 ft. over NW slope.  
 79.84 (80.00 chs. W. of the cor. of Ts. 25 and 26N., R.13 W., on the  
 E. bdy. of T.25 N., R.13 W., hereinafter described.)  
 Set an iron post, 3 ft. long, 2 ins. diam., on bed rock,  
 in a mound of stone, for cor. of secs. 35 and 36, T.25  
 N., R.13 W., marked on brass cap

Chains	<p style="text-align: center;"> <u>T26N R13W</u>  <u>S35 S36</u>  T25N R13W  S 2  1920 </p> <p>From which  A pinyon, 12 ins. diam., brs. N.34<math>\frac{1}{2}</math>°E.,  184 lks. dist., marked T26N R13W S36 BT.  A cedar, 14 ins. diam., brs. N.52°W.,  117 lks. dist., marked T26N R13W S35 BT.</p>
80.00	<p>Set an iron post, 3 ft. long, 2 ins. diam., on bed rock, in a mound of stone, for cor. of secs. 1 and 2, T. 25 N., R. 13 W.; marked on brass cap</p> <p style="text-align: center;"> <u>T26N R13W</u>  <u>S36</u>  S 2   S 1  <u>T25N R13W</u>  1920 </p> <p>From which  A cedar, 14 ins. diam., brs. S.63<math>\frac{1}{2}</math>°E.,  16 lks. dist., marked T25N R13W S1 BT.  A pinyon, 14 ins. diam., brs. S.44°W.,  82 lks. dist., marked T25N R13W S2 BT.</p> <p>Land, rolling and broken.  Soil, rocky, 3rd rate.  Timber, cedar and pinyon.  Undergrowth, sagebrush, dogwood and Spanish bayonet.  Good growth of grass.</p> <p>-----</p> <p>East along the N. bdy. of sec. 1.  Over rolling and broken land, through scattering timber and undergrowth.  Desc. 25 ft.</p>
7.80	Draw, course NE. Asc. 105 ft., over W. slope.
28.30	Road, brs. N. to Milkweed Spring and S. to Hackberry.
39.84	(40.00 chs. West of the cor. of Ts. 25 and 26 N., R. 13 W., hereinafter described.) Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor. of sec. 36, T. 26 N., R. 13 W., marked on brass cap
	<u><math>\frac{1}{4}</math>S36</u> 1920
40.00	<p>From which  A pinyon, 12 ins. diam., brs. N.21<math>\frac{1}{4}</math>°E.,  62 lks. dist., marked <math>\frac{1}{4}</math>S36 BT.  A cedar, 12 ins. diam., brs. N.59<math>\frac{1}{4}</math>°W.,  103 lks. dist., marked <math>\frac{1}{4}</math>S36 BT.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor. of sec. 1, T. 25 N., R. 13 W., marked on brass cap</p> <p style="text-align: center;"> <u><math>\frac{1}{4}</math>S 1</u>  1920 </p> <p>From which  A cedar, 12 ins. diam., brs. S. 61<math>\frac{3}{4}</math>°E.,  72 lks. dist., marked <math>\frac{1}{4}</math>S1 BT.  A pinyon, 10 ins. diam., brs. S.55°W.,  117 lks. dist., marked <math>\frac{1}{4}</math>S1 BT.</p>
49.00	Continue ascent, 85 ft.
54.60	Ridge, brs. NW. and SE. Desc. 260 ft.
65.00	Rock cliff, brs. NE. and SW. Continue descent.
79.84	Draw, course NE. Asc. 90 ft.
	Intersect the W. bdy. of T. 26 N., R. 12 W., 8.00 chs. North of the cor. of Ts. 25 and 26 N., R. 12 W., de-

Completion of the

Survey of the North Boundary of T. 25 N., R. 13 W.

Chains

scribed in Book "B".

At the point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the ground, in a mound of stone for cor. of Ts. 25 and 26 N., R. 13 W., marked on brass cap

T26N		
R13W		
S36		T26N
S 1		R12W
T25N		S31

From which 1920

A pinyon, 12 ins. diam., brs. S.42 $\frac{1}{2}$ W.,  
167 lks. dist., marked T25N R13W S1 BT.

A pinyon, 14 ins. diam., brs. N.24 $\frac{1}{2}$ W.,  
105 lks. dist., marked T26N R13W S36 BT.

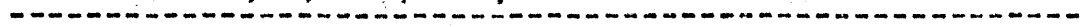
Land, rolling and broken.

Soil, rocky, 3rd rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush, dogwood and Spanish bayonet.

Good grass.



Boundaries of that Portion of T. 25 N., R. 13 W.  
 Surveyed Under This Assignment  
 Latitudes, departures and closing errors.

Line designated.	True bearing.	Dist. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W. chs.
South Boundary	West.	50.52				50.52
Hualpai Indian Reservation Bdy	N.40°W.	551.64	422.58			354.59
"	N.40°2'W.	36.97	28.31			23.78
"	N.39°57'W.	37.49	28.74			24.07
North Boundary	East	452.07			452.07	
East Boundary	South	480.35		480.35		
Convergency					.27	
Totals			479.63	480.35	452.34	452.96
				479.63		452.34
Error in lat.				.72		
Error in dep.						.62

## Survey of the Completion

14

of the Subdivision of T. 25 N., R.13 W.

Chains During January, February and July, 1917, S. Frank Walters and James C. Hooper, U.S. Transitmen, surveyed the subdivision of T. 25 N., R. 13 W. to an intersection with the Hualpai Indian Reservation Boundary, where closing cors. were set, which are the cors. hereinafter described.

The closing cor. of secs. 5 and 6, on the Hualpai Indian Reservation Boundary, is an iron post, 2 ins. diam., in a mound of stone, properly marked, witnessed as follows:

- A pinyon, 12 ins. diam., brs. S. 18° E.,  
213 lks. dist., marked CC T25N R13W S5 BT.
- A cedar, 8 ins. diam., brs. West 18 lks. dist.,  
marked CC T25N R13W S5 BT.

I mark the section numbers 5 and 6 above the markings H I R on the N. side of cap. This cor. is set 17.87 chs. N. 0° 01' E. of the cor. of secs. 5, 6, 7 and 8.

Thence N. 0° 01' E., bet. secs. 5 and 6.

Over broken land, through heavy timber and undergrowth.  
Desc. 170 ft.

0.50 Four strand barb wire fence, brs. N. 40° W. and S. 40° E.  
22.13 (40.00 chs. N. 0° 01' E. of the cor. of secs. 5, 6, 7 and 8). Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

†  
S 6 | S 5  
1920

From which

- A cedar, 18 ins. diam., brs. N. 46° E.,  
75 lks. dist., marked  $\frac{1}{4}$  S 5 BT.
- A pinyon, 12 ins. diam., brs. N. 50° W.,  
60 lks. dist., marked  $\frac{1}{4}$  S 6 BT.

From the  $\frac{1}{4}$  sec. cor.,

40.16 N. 0° 01' E. on a random line, bet. secs. 5 and 6.  
Fall 8 lks. E. of the cor. of secs. 5 and 6, on the N. bdy. of Tp., hereinbefore described.

Thence S. 0° 06' E. on a true line, bet. secs. 5 and 6.

Over broken land, through heavy timber and undergrowth.

8.50 Gulch, course NW.

25.50 Gulch, course SW.

29.00 Gulch, course NW.

39.50 Gulch, course NW.

40.16 The  $\frac{1}{4}$  sec. cor. of secs. 5 and 6.

Land, broken.

Soil, rocky, 4th rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush and dogwood.

The closing cor. of secs. 8 and 9, on the Hualpai Indian Reservation Boundary, is an iron post, 2 ins. diam., set in a mound of stone, properly marked, witnessed by two bearing trees as follows:

- A cedar, 8 ins. diam., brs. S. 10 $\frac{1}{2}$ ° E.,  
62 lks. dist., marked CC T25N R13W S9 BT.
- A cedar, 10 ins. diam., brs. S. 31° W.,  
51 lks. dist., marked CC T25N R13W S8 BT.

I mark the section numbers 8 and 9 above the markings H I R on the N. side of the cap. This cor. is set 2.14 chs. N. 0° 01' E. of the cor. of secs. 8, 9, 16 and 17.

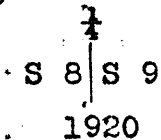
Thence N. 0° 01' E., bet. secs. 8 and 9.

Over broken land, through scattering timber and undergrowth.



Chains  
0.78  
14.90  
32.86  
37.86

Desc. 125 ft.  
Four strand barb wire fence, brs. N.40°W., and S.40°E.  
Wash, 3 lks. wide, course E. Asc. 230 ft.  
Desc.  
(40.00 chs. N.001'E. of the cor. of secs. 8, 9, 16 and 17). Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap

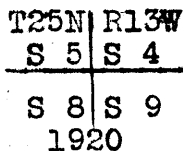


From which

A pinyon, 12 ins. diam., brs. N. 30 3/4°E.,  
133 lks. dist., marked 1/4 S9 BT.  
A pinyon, 4 ins. diam., brs. S. 35 3/4°W.,  
200 lks. dist., marked 1/4 S8 BT.

53.51  
70.21  
77.86

Desc. 90 ft.  
Draw, course E. Asc. 115 ft.  
Ridge, brs. NW. and SE. Desc. 105 ft.  
(80.00 chs. N.001'E. of the cor. of secs. 8, 9, 16 and 17)  
Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, on bed rock, with marked stone, for cor. of secs. 4, 5, 8 and 9; and raise a mound of stone around post, with brass cap marked



Land, broken.  
Soil, gravelly and rocky, 3rd rate.  
Timber, cedar and pinyon.  
Undergrowth, oak brush.

40.00  
65.18

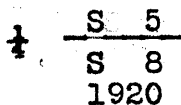
S.89°55'W. on a random line, bet. secs. 5 and 8.  
Set temp. 1/4 sec. cor.  
Fall 25 lks. S. of the closing cor. of secs. 5 and 8, on the Hualpai Indian Reservation Bdy., which is an iron post, 2 ins. diam., set in a mound of stone, properly marked, and witnessed by two bearing trees as follows:  
A pinyon, 8 ins. diam., brs. N.78 1/2°W.,  
41 lks. dist., marked CC T25N R13W S5 BT.  
A pinyon, 8 ins. diam., brs. S.27 1/4°W.,  
44 lks. dist., marked CC T25N R13W S8 BT.

This cor. is established 15.04 chs. East of the cor. of secs. 5, 6, 7 and 8. I add the section numbers 5 and 8 to the E. side of the brass cap, which was formerly marked H I R.

Thence East on a true line bet. secs. 5 and 8, Over-rolling mountainous land, through heavy timber and undergrowth. Desc. 45 ft.

1.02  
6.16  
25.07

Four strand barb wire fence, brs. N.40°W. and S.40°E..  
Draw, course SW. Asc. 185 ft.  
(40.11 chs. East of the cor. of secs. 5, 6, 7 and 8) Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, in a mound of stone, for 1/4 sec. cor., marked on brass cap



From which

A pinyon, 14 ins. diam., brs. N.20°W.,  
62 lks. dist., marked 1/4 S5 BT.

## Survey of the Completion

16 of the Subdivision of T. 25 N., R. 13 W.

Chains	<p>A pinyon, 14 ins. diam., brs. S.70°W., 59 lks. dist., marked <math>\frac{1}{4}</math>S8 BT. Thence S.89°46'E., continuing measurement Continue ascent, 95 ft.</p> <p>34.96 Desc. 90 ft.</p> <p>43.86 Draw, course NE. Asc. 200 ft.</p> <p>49.96 Leave timber, brs. NE. and SE.</p> <p>63.96 Spur, slopes N. Desc.</p> <p>65.18 The cor. of secs. 4, 5, 8 and 9. Land, rolling mountainous. Soil, rocky, 4th rate. Timber, cedar, and pinyon. Undergrowth, sagebrush and dogwood cactus.</p> <p>-----</p> <p>N.0°3'W. on a random line, bet. secs. 4 and 5. 40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>80.06 Fall 14 lks. E. of the cor. of secs. 4 and 5, on the N. bdy. of Tp., hereinbefore described. Thence S.0°9'E., on a true line, bet. secs. 4 and 5. Over rolling mountainous land, through heavy timber and scattering undergrowth. Asc. 250 ft.</p> <p>37.00 Hill, brs. NE. and SW. Desc.</p> <p>40.06 Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"><math>\frac{1}{4}</math> S 5   S 4 1920</p> <p>From which A pinyon, 10 ins. diam., brs. N.63<math>\frac{1}{2}</math>°E., 90 lks. dist., marked <math>\frac{1}{4}</math>S4 BT. A twin pinyon, 8 ins. diam., brs. N. 40°W., 53 lks. dist., marked <math>\frac{1}{4}</math>S5 BT.</p> <p>60.00 Continue descent, 190 ft.</p> <p>80.06 Wash, 10 lks. wide, course NE. Asc. 295 ft. The cor. of secs. 4, 5, 8 and 9. Land, rolling mountainous. Soil, rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, sagebrush, scrub oak, Spanish bayonet and cactus.</p> <p>-----</p> <p>The closing cor. of secs. 21 and 22, on the Boundary of the Hualpai Indian Reservation, is an iron post, 2 ins. diam., set in a mound of stone, properly marked, witnessed by two bearing trees, as follows: A pinyon, 8 ins. diam., brs. S. 22<math>\frac{1}{2}</math>°E., 250 lks. dist., marked CC T25N R13W S22 BT. A pinyon, 8 ins. diam., brs. N.82°W., 194 lks. dist., marked CC T25N R13W S21 BT. This cor. is established 66.11 chs., N.0°2'E. of the cor. of secs. 21, 22, 27 and 28. I add the sec. numbers to the cap above the markings H I R, on the N. side of cap. Thence N.0°2'E., bet. secs. 21 and 22, over broken land, through heavy timber and undergrowth.</p> <p>0.01 Four strand barb wire fence, brs. N.40°W. and S.40°E. Desc. 55 ft.</p> <p>13.90 (80.01 chs. N.0°2'E. of the cor. of secs. 21, 22, 27 and 28) A point due East of the closing cor. of secs. 16 and 21, on the Hualpai Indian Reservation Boundary, hereinafter described. Set an iron post, 3 ft. long, 2 ins. diam.,</p>
--------	--

Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

Chains 4 ins. in the ground, in a mound of stone, for cor. of secs. 15, 16, 21 and 22, marked on brass cap

T25N | R13W  
S16 | S15  
S21 | S22  
1920

From which

- A pinyon, 12 ins. diam., brs. N. 50 $\frac{1}{2}$ <sup>0</sup>E., 192 lks. dist., marked T25N R13W S15 BT.
- A pinyon, 10 ins. diam., brs. S. 66 $\frac{3}{4}$ <sup>0</sup>E., 36 lks. dist., marked T25N R13W S22 BT.
- A pinyon, 12 ins. diam., brs. S. 36 $\frac{1}{2}$ <sup>0</sup>W., 68 lks. dist., marked T25N R13W S21 BT.
- A pinyon, 12 ins. diam., brs. N. 50 $\frac{1}{2}$ <sup>0</sup>W., 76 lks. dist., marked T25N R13W S16 BT.

Land, broken.  
Soil, gravelly, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak.

The closing cor. of secs. 16 and 21, on the Hualpai Indian Reservation Boundary, is an iron post, 2 ins. diam., in a mound of stone, properly marked, witnessed by two bearing trees as follows:

- A pinyon, 10 ins. diam., brs. N. 81 $\frac{1}{2}$ <sup>0</sup>W., 22 lks. dist., marked CC T25N R13W S16 BT.
- A cedar, 8 ins. diam., brs. S. 41 $\frac{3}{4}$ <sup>0</sup>W., 56 lks. dist., marked CC T25N R13W S21 BT.

This cor. is established 68.65 chs. E. of the cor. of secs. 16, 17, 20 and 21. I add the section numbers 16 and 21 to the E. side of the brass cap, which was formerly marked H I-R only.

Thence East on a true line, over rolling mountainous land, through heavy timber and undergrowth.

Asc. 75 ft.

0.02 Four strand barb wire fence, brs. N. 40<sup>0</sup>W and S. 40<sup>0</sup>E.  
11.60 (80.25 chs. East of the cor. of secs. 16, 17, 20 and 21.)  
The cor. of secs. 15, 16, 21 and 22.

Land, rolling mountainous.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak.

N. 0<sup>0</sup>2'E. bet. secs. 15 and 16. Over rolling mountainous land, through heavy timber and undergrowth.

Desc. 105 ft.

12.50 Draw, course NE. Asc. 125 ft., over SE. slope.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$   
S16/S15  
1920

From which

- A pinyon, 12 ins. diam., brs. N. 81<sup>0</sup>E., 29 lks. dist., marked  $\frac{1}{4}$ S15 BT.
- A cedar, 14 ins. diam., brs. N. 84<sup>0</sup>W., 58 lks. dist., marked  $\frac{1}{4}$ S16 BT.

Continue ascent.

## Survey of the Completion

18

of the Subdivision of T. 25 N., R. 13 W.

Chains

41.50 Spur, slopes NE. Desc. 270 ft., over N. slope.  
 65.00 Wash, 8 lks. wide, course N. 75°E. Leave timber, brs.  
 N. 75°E. and S. 75°W. Asc. 65 ft.  
 67.00 Enter timber, brs. N. 75°E. and S. 75°W.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 26 ins. in the  
 ground, for cor. of secs. 9, 10, 15 and 16, marked on  
 brass cap

T25N R13W  
 S 9 | S10  
 S16 | S15  
 1920

From which

A pinyon, 12 ins. diam., brs. N. 15½°E.,  
 42 lks. dist., marked T25N R13W S10 BT.  
 A pinyon, 16 ins. diam., brs. S. 48°E.,  
 75 lks. dist., marked T25N R13W S15 BT.  
 A twin pinyon, 14 ins. diam., brs. S. 38½°W.,  
 164 lks. dist., marked T25N R13W S16 BT.  
 A pinyon, 18 ins. diam., brs. N. 65°W.,  
 76 lks. dist., marked T25N R13W, S9 BT.

Land, rolling mountainous.

Soil, gravelly and rocky, 3rd and 4th rates.

Timber, cedar and pinyon.

Undergrowth, scrub oak and sagebrush.

40.00 West on a random line, bet. secs. 9 and 16.  
 Set temp. ¼ sec. cor.

78.40 Intersect the closing cor. of secs. 9 and 16, on the Hual-  
 pai Indian Reservation Boundary, which is an iron post,  
 2 ins. diam., in a mound of stone, properly marked, wit-  
 nessed by two bearing trees as follows:

A pinyon, 10 ins. diam., brs. N. 55½°W.,  
 70 lks. dist., marked CC T25N R13W S9 BT.

A pinyon, 6 ins. diam., brs. S. 18½°E.,  
 26 lks. dist., marked CC T25N R13W S16 B T.

This cor. is established 1.80 chs. East of the cor. of  
 secs. 8, 9, 16 and 17. I add the section numbers 9 and  
 16 to the E. side of the brass cap, which was formerly  
 marked H I R only.

Thence East on a true line, bet. secs. 9 and 16, continuing  
 measurement.

Over rolling mountainous land, through heavy timber and  
 undergrowth.

Desc. 60 ft.

0.70 Four strand bard wire fence, brs. N. 40°W. and S. 40°E.

2.50 Draw, course N. Thence over rolling land.

13.20 Draw, course N. Asc.

23.20 Spur, slopes N. Desc. 70 ft.

35.20 Asc. 25 ft.

38.30 (40.10 chs. East of the cor. of secs. 8, 9, 16 and 17) Set an  
 iron post, 3 ft. long, 1 in. diam., 6 ins. in the  
 ground, in a mound of stone, for ¼ sec. cor., marked on  
 brass cap

¼ S 9  
 S 16  
 1920

From which

A pinyon, 12 ins. diam., brs. N. 7°W.,  
 118 lks. dist., marked ¼S9 BT.

A pinyon, 14 ins. diam., brs. S. 15°E.,  
 40 lks. dist., marked ¼S16 BT.

Continue ascent, 80 ft.

48.20 Desc. 325 ft., over SE. slope.

78.40 (80.20 chs. East of the cor. of secs. 8, 9, 16 and 17)

The cor. of secs. 9, 10, 15 and 16.

Land, rolling mountainous.

## Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

19

Chains	Soil, gravelly and rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, scrub oak and sagebrush.
	-----
	N. 002'E., bet. secs. 9 and 10. Over broken land, through heavy timber and scattering undergrowth. Asc. 230 ft.
13.00	Spur, slopes E. Desc. 230 ft., over NE. slope.
30.00	Draw, course E. Asc. 55 ft., over SE. slope.
38.00	Desc. 25 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S 9   S 10 1920
	From which
	A pinyon, 16 ins. diam., brs. S. 77°E., 23 lks. dist., marked $\frac{1}{4}$ S 10 BT.
	A pinyon, 8 ins. diam., brs. N. 82°W., 74 lks. dist., marked $\frac{1}{4}$ S 9 BT.
	Continue descent, 150 ft.
50.00	Leave heavy, enter scattering timber, brs. E. and W.
53.00	Wash, 8 lks. wide, 3 ft. deep, course E. Asc. 280 ft.
79.50	Ridge, brs. E. and W. Desc.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 3, 4, 9 and 10, marked on brass cap
	T25N   R13W S 4   S 3 S 9   S 10 1920
	From which
	A cedar, 16 ins. diam., brs. N. 61 $\frac{1}{2}$ °E., 213 lks. dist., marked T25N R13W S3 BT.
	A pinyon, 12 ins. diam., brs. S. 1 $\frac{1}{2}$ °E., 181 lks. dist., marked T25N R13W S10 BT.
	A cedar, 16 ins. diam., brs. S. 71 $\frac{1}{2}$ °W., 200 lks. dist., marked T25N R13W S9 BT.
	A cedar, 16 ins. diam., brs. N. 33 $\frac{3}{4}$ °W., 24 lks. dist., marked T25N R13W S4 BT.
	Land, broken. Soil, gravelly and rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, scrub oak, dogwood, cactus and sagebrush.
	-----
	West on a random line, bet. secs. 4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.44	Intersect N. and S. line, 30 lks. N. of the cor of secs. 4, 5, 8 and 9.
	Thence N 89°47'E. on a true line, bet. secs. 4 and 9. Over broken mountainous land, through scattering timber and undergrowth. Desc. 150 ft.
11.65	Draw, course N. Asc. 179 ft.
21.35	Lava outcrop. Desc. 180 ft., over NE. slope.
37.95	Gulch, course N. Asc.
40.22	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S 4 S 9 1920

## Survey of the Completion

20

of the Subdivision of T.25 N., R.13 W.

Chains.	<p>From which</p> <p>A pinyon, 12 ins. diam., brs. N.3<math>\frac{1}{2}</math>°E., 176 lks. dist., marked <math>\frac{1}{4}</math>S4 BT.</p> <p>A cedar, 14 ins. diam., brs. S.46°W., 200 lks. dist., marked <math>\frac{1}{4}</math>S9 BT.</p> <p>Continue ascent, 70 ft.</p> <p>50.45 Spur, slopes NE. Desc. 50 ft.</p> <p>60.00 Thence along N. slope of spur.</p> <p>80.44 The cor. of secs. 3, 4, 9 and 10. Land, broken mountainous. Soil, rocky. 4th rate. Timber, cedar and pinyon. Undergrowth, sagebrush and cactus.</p> <hr/> <p>N.0°9'W. on a random line, bet. secs. 3 and 4.</p> <p>40.00 Set temp. <math>\frac{1}{4}</math> sec. cor.</p> <p>79.65 Fall 26 lks. E. of the cor. of secs. 3 and 4, on the N. bdy. of Tp. hereinbefore described. Thence S.0°20'E. on a true line, bet. secs. 3 and 4. Over mountainous land, through scattering timber and undergrowth. Asc. 70 ft.</p> <p>20.00 Desc.</p> <p>27.25 Wash, 8 lks. wide, course NW. Asc. 60 ft.</p> <p>39.65 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, for <math>\frac{1}{4}</math> sec. cor., marked on brass cap</p> <p style="text-align: center;"> <math>\frac{1}{4}</math>  S 4   S 3  1920 </p> <p>From which</p> <p>A cedar, 4 ins. diam., brs. S.88<math>\frac{1}{2}</math>°E., 108 lks. dist., marked <math>\frac{1}{4}</math>S3 BT.</p> <p>A pinyon, 14 ins. diam., brs. N.82°W., 59 lks. dist., marked <math>\frac{1}{4}</math>S4 BT.</p> <p>Desc. 25 ft.</p> <p>52.65 Draw NE. Asc. 280 ft.</p> <p>79.65 The cor. of secs. 3, 4, 9 and 10. Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, sagebrush and cactus.</p> <hr/> <p>The closing cor. of secs. 26 and 27, on the Boundary of the Hualpai Indian Reservation, is an iron post, 2 ins. diam., set in a mound of stone, properly marked, witnessed by two bearing trees as follows:</p> <p>A pinyon pine, 9 ins. diam., brs. S. 32<math>\frac{1}{2}</math>°E., 40 lks. dist., marked CC T25N R13W S26 BT.</p> <p>A pinyon pine, 8 ins. diam., brs. S.44<math>\frac{1}{2}</math>°W., 92 lks. dist., marked CC T25N R13W S27 BT.</p> <p>This cor. is established 50.94 chs. N.0°3'E. of the cor. of secs. 26, 27, 34 and 35. I add the section numbers 26 and 27 to the cap above the marking H I R, on the N side of cap.</p> <p>Thence N.0°3'E. bet. secs. 26 and 27, over mountainous land, through heavy timber and scattering undergrowth.</p> <p>28.97 (79.91 chs. N.0°3'W. of the cor. of secs. 26, 27, 34 and 35) A point due East of the closing cor. of secs. 22 and 27, on the Reservation Boundary, hereinafter described. Set</p>
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Survey of the Completion  
of the Subdivision of T. 25 N., R. 13 W.

Chains an iron post, 3 ft. long, 2 ins. diam., 14 ins. in the ground, in a mound of stone, for cor. of secs. 22, 23 26 and 27, marked on brass cap

T25N R13W  
S22 S23  
S27 S26  
1920

From which

- A pinyon, 14 ins. diam., brs. N.62°E., 137 lks. dist., marked T25N R13W S23 BT.
- A pinyon, 16 ins. diam., brs. S.42°E., 159 lks. dist., marked T25N R13W S26 BT.
- A pinyon, 10 ins. diam., brs. S.68°W., 146 lks. dist., marked T25N R13W S27 BT.
- A pinyon, 14 ins. diam., brs. N.50°W., 142 lks. dist., marked T25N R13W S 22 BT.

Land, mountainous.

Soil, gravelly and rocky, 3rd and 4th rates.

Timber, cedar and pinyon.

Undergrowth, scrub oak, sagebrush, Spanish bayonet and greasewood.

The closing cor. of secs. 22 and 27, on the Boundary of the Hualpai Indian Reservation, is an iron post, 2 ins. diam., set in a mound of stone, properly marked, witnessed by two bearing trees as follows:

- A pinyon, 12 ins. diam., brs. N. 54°W., 74 lks. dist., marked CC T25N R13W S22 BT.
- A pinyon, 8 ins. diam., brs. S.66°W., 24 lks. dist., marked CC T25N R13W S27 BT.

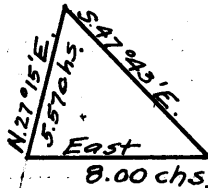
This cor. is established 55.60 chs. East of the cor. of secs. 21, 22, 27 and 28. I add the section numbers 22 and 27 to the east side of the cap, which was formerly marked H I R only.

Thence East on a true line, bet. secs. 22 and 27, over rough mountainous land, through heavy timber and undergrowth.

Asc. 305 ft.

0.15  
16.30

Three strand barb wire fence, brs. N.40°W. and S.40°E. Impracticable to chain from this point. Set a flag ahead on line at the intersection with the line bet. secs. 26 and 27, and from the 16.30 ch. point, measure a base



N.27°15'E. 5.57 chs., from the N. end of which, flag brs. S.47°43'E. The three angles of the triangle are therefore 62°45', 74°58' and 42°17', the sum of which is 180°. The distance triangulated is given by the sine proportion:

$$\begin{array}{r} \sin. 74^{\circ}58' = \frac{X}{8.00} \\ \sin. 42^{\circ}17' = \frac{5.57}{8.00} \\ \log. \sin 74^{\circ}58' = 9.984876 \\ \log. \sin 42^{\circ}17' = 9.827884 \\ \hline \log. 5.57 = .745855 \\ \log. X = .902847 \\ X = 8.00 \text{ chs., which added to} \end{array}$$

16.30 chs. gives 24.30 chs.

Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

Chains

24.30 (79.90 chs. East of the cor. of secs. 21, 22, 27 and 28).  
 The cor. of secs. 22, 23, 26 and 27.  
 Land, broken mountainous.  
 Soil, rocky, 4th rate.  
 Timber, pinyon and cedar.  
 Undergrowth, scrub oak, Spanish bayonet, sagebrush and cactus.

-----  
 N.003'E. bet. secs. 22 and 23.  
 Over broken mountainous land, through heavy timber and scattering undergrowth.  
 Asc. 505 ft., over SE. slope.  
 Desc. 180 ft.

21.82  
 30.00  
 40.00  
 Draw, course NE. Thence along E. slope.  
 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor. marked on brass cap



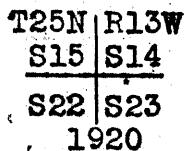
From which

A pinyon, 12 ins. diam., brs. N. 55 $\frac{1}{2}$ °E.,  
 46 lks. dist., marked  $\frac{1}{4}$ S23 BT.

A pinyon, 16 ins. diam., brs. S. 61°W.,  
 32 lks. dist., marked  $\frac{1}{4}$ S22 BT.

55.00 Desc. 345 ft., over NE. slope.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground, in a mound of stone, for cor. of secs. 14, 15, 22 and 23, marked on brass cap



From which

A cedar, 12 ins. diam., brs. N. 42°E.,  
 97. lks. dist., marked T25N R13W S14 BT.

A pinyon, 16 ins. diam., brs. S. 47 $\frac{1}{2}$ °E.,  
 209 lks. dist., marked T25N R13 W S23 BT.

A twin pinyon, 6 ins. diam., brs. S. 31 $\frac{1}{2}$ °W.,  
 65 lks. dist., marked T25N R13W S22 BT.

A pinyon, 10 ins. diam., brs. N. 6°W.,  
 48 lks. dist., marked T25N R13W S15 BT.

Land, broken mountainous.  
 Soil, gravelly and rocky, 3rd and 4th rates.  
 Timber, cedar and pinyon.  
 Undergrowth, scrub oak and sagebrush.

-----  
 West on a random line, bet. secs. 15 and 22.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.78 Intersect N. and S line, 5 lks. S. of the cor. of secs. 15, 16, 21 and 22.

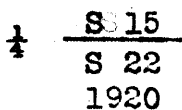
Thence S. 89°58'E. on a true line, bet. secs. 15 and 22.  
 Over mountainous land, through heavy timber and scattering undergrowth.

Asc. 45 ft.

7.50 Desc. 25 ft.  
 11.50 Draw, course N. 15°W. Asc. 230 ft.

22.50 Spur, slopes NE. Desc. 335 ft., over SE. slope.

39.89 Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap





Survey of the Completion

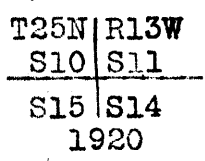
of the Subdivision of T. 25 N., R. 13 W.

Chains From which  
 A pinyon, 14 ins. diam., brs. North  
 28 lks. dist., marked  $\frac{1}{4}$ S15 BT.  
 A pinyon, 12 ins. diam., brs. S.100W.,  
 62 lks. dist., marked  $\frac{1}{4}$ S22 BT.  
 Continue descent, 45 ft.  
 46.00 Center of draw, 3 chs. wide, course N. Asc. 145 ft., over  
 NW. slope.  
 70.00 Desc. 80 ft., over NE. slope.  
 79.78 The cor. of secs. 14, 15, 22 and 23.  
 Land, mountainous and broken.  
 Soil, gravelly and rocky, 3rd and 4th rates.  
 Timber, cedar and pinyon.  
 Undergrowth, scrub oak and sagebrush.

-----  
 N.003'W. bet. secs. 14 and 15.  
 Over rolling mountainous land, through heavy timber and  
 scattering undergrowth.  
 Asc. 295 ft., over SW. slope.  
 26.80 Spur, slopes W. Desc. 230 ft., over NW. slope.  
 40.00 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the  
 ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
 brass cap



From which  
 A cedar, 10 ins. diam., brs. S.84°E.,  
 46 lks. dist., marked  $\frac{1}{4}$ S14 BT.  
 A cedar, 12 ins. diam., brs. S. 89°W.,  
 93 lks. dist., marked  $\frac{1}{4}$ S15 BT.  
 Desc. 105 ft.  
 58.10 Draw, course NW. Thence over rolling land.  
 68.00 Asc. 80 ft. over SW slope.  
 77.00 Desc. 30 ft., over NW, slope.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the  
 ground, in a mound of stone, for cor. of secs. 10, 11,  
 14 and 15, marked on brass cap



From which  
 A pinyon, 12 ins. diam., brs. N. 67 $\frac{1}{2}$ °E.,  
 44 lks. dist., marked T25N R13W S11 BT.  
 A pinyon, 12 ins. diam., brs. S.49 $\frac{3}{4}$ °E.,  
 38 lks. dist., marked T25N R13W S14 BT.  
 A pinyon, 14 ins. diam., brs. S. 42 $\frac{1}{2}$ °W.,  
 76 lks. dist., marked T25N R13W S15 BT.  
 A pinyon, 12 ins. diam., brs. N. 31 $\frac{1}{2}$ °W.,  
 35 lks. dist., marked T25N R13W S10 BT.  
 Land, rolling mountainous and rolling.  
 Soil, gravelly and rocky, 3rd and 4th rates.  
 Timber, cedar and pinyon.  
 Undergrowth, scrub oak and sagebrush.

-----  
 N.89°58'W. on a random line bet. secs. 10 and 15.  
 40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 80.02 Intersect N. and S. line, 7 lks. S. of the cor. of secs.  
 9, 10, 15 and 16.  
 Thence S.89°55'E. on a true line, bet. secs. 10 and 15.  
 Over rolling and broken land, through heavy timber and  
 scattering undergrowth.

Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

Chains. Desc. 150 ft.  
 16.30 Wash, 10 lks. wide, course NE. Thence over rolling land.  
 40.01 Set an iron post, 3 ft. long, 1 in. diam., on bed rock, in  
 a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$   $\frac{S\ 10}{S\ 15}$   
 1920

From which

A cedar, 20 ins. diam., brs. N. 45 $\frac{1}{2}$ °E.,  
 78 lks. dist., marked  $\frac{1}{4}$ S10 BT.

A pinyon, 18 ins. diam., brs. S. 29°W.,  
 65 lks. dist., marked  $\frac{1}{4}$ S15 BT.

69.00 Wash, 10 lks. wide, course N. Asc. 105 ft., over W. slope.  
 80.02 The cor. of secs. 10, 11, 14 and 15.

Land, rolling and broken.  
 Soil, gravelly and rocky, 3rd and 4th rates.  
 Timber, cedar and pinyon.  
 Undergrowth, scrub oak and sagebrush.

N. 0°3'E., bet. secs. 10 and 11.

Over rolling land, through scattering timber and under-  
 growth.

38.50 Wash, 10 lks. wide, 3 ft. deep, course W.  
 40:00 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the  
 ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
 brass cap

$\frac{1}{4}$   
 S10 | S11  
 1920

From which

A cedar, 5 ins. diam., brs. S. 63°E.,  
 57 lks. dist., marked  $\frac{1}{4}$ S11 BT.

A cedar, 20 ins. diam., brs. N. 54°W.,  
 124 lks. dist., marked  $\frac{1}{4}$ S10 BT.

60.00 Asc. 50 ft.  
 62.50 Spur, slopes W. Desc. 70 ft.  
 74.00 Draw, course NW. Asc.  
 80.00 Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the  
 ground, in a mound of stone, for cor. of secs. 2, 3, 10  
 and 11, marked on brass cap

T25N | R13W  
 S 3 | S 2  
 S10 | S11  
 1920

From which

A cedar, 14 ins. diam., brs. N. 27 $\frac{1}{2}$ °E.,  
 257 lks. dist., marked T25N R13W S2 BT.

A cedar, 14 ins. diam., brs. S. 27°W.,  
 23 lks. dist., marked T25N R13W S10 BT.

A cedar, 14 ins. diam., brs. N. 74 $\frac{1}{2}$ °W.,  
 215 lks. dist., marked T25N R13W S3 BT.

No other trees within limits. Raise a mound of stone, 2  
 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.  
 Land, rolling.  
 Soil, gravelly and rocky, 3rd and 4th rates.  
 Timber, cedar and pinyon.  
 Undergrowth, scrub oak and sagebrush.

N. 89°55'W. on a random line, bet. secs. 3 and 10.

40.00 Set temp.  $\frac{1}{4}$  sec. cor.  
 79.86 Intersect N. and S. line, 19 lks. S. of the cor. of secs.  
 3, 4, 9 and 10.

## Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

25

Chains	Thence S.89°47'E. on a true line, bet. secs. 3 and 10. Over broken land, through scattering undergrowth. Desc. 280 ft..
39.93.	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap
	$\frac{1}{4} \begin{array}{l} S \quad 3 \\ S \quad 10 \\ 1920 \end{array}$
	From which
	-A cedar, 30 ins. diam., brs. N.78°E., 281 lks. dist., marked $\frac{1}{4}$ S3 BT.
	-A cedar, 12 ins. diam., brs. S.71 $\frac{1}{2}$ °E., 402 lks. dist., marked $\frac{1}{4}$ S10 BT.
	Continue descent, 95 ft.
53.30	Wash, 5 lks. wide, course NE. Thence over rolling land.
60.20	Wash, 20 lks. wide, course NE.
62.60	Old road, brs. NE. and SW.
64.80	Wash, 20 lks. wide, course N. Asc. 80 ft., over SW. slope.
79.86	The cor. of secs. 2, 3, 10 and 11. Land, broken and rolling. Soil, rocky, 3rd and 4th rates. Timber, cedar. Undergrowth, sagebrush. Good growth of grass.
-----	
	N.0°20'W. on a random line, bet. secs. 2 and 3.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.99	Fall 2 lks. W. of the cor. of secs. 2 and 3, on the N.bdy. of Tp., hereinbefore described.
	Thence S:0°19'E. on a true line, bet. secs. 2 and 3. Over rolling land, through scattering undergrowth. Asc: 40 ft.
10:00	Desc: 70 ft.
33.00	Center of junction of draws, 10 chs. wide, course N.15°W., from SW. and SE.
37.20	Wash, 30 lks. wide, 6 ft. deep, course N. from SW. Asc.
39.99	Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec.cor., marked on brass cap
	$\frac{1}{4} \begin{array}{l} S \quad 3 \quad S \quad 2 \\ 1920 \end{array}$
	From which
	-A cedar, 18 ins. diam., brs. N.49 $\frac{1}{2}$ °E., 179 lks. dist., marked $\frac{1}{4}$ S2 BT.
	-A cedar, 8 ins. diam., brs. N.74 $\frac{1}{2}$ °W., 80 lks. dist., marked $\frac{1}{4}$ S3 BT.
	Asc. 205 ft., over NW. slope.
71.00	Spur, slopes NW. Desc.: 75 ft., over SW. slope.
79.99	The cor. of secs. 2, 3, 10 and 11. Land, rolling and broken. Soil, gravelly and rocky, 3rd and 4th rates. Timber, piñon and cedar. Undergrowth, scrub oak..
-----	
	The closing cor. of secs. 35 and 36, on the Boundary of the Hualpai Indian Reservation is an iron post, 2 ins. diam., Set in a mound of stone, properly marked, witnessed by two bearing trees as follows:

## Survey of the Completion

26

of the Subdivision of T. 25 N., R. 13 W.

Chains

A juniper, 12 ins. diam., brs. S. 17 $\frac{1}{2}$ ° E.,  
 147 lks. dist., marked CC T25N R13W S36 BT.  
 A juniper, 6 ins. diam., brs. S. 26 $\frac{1}{2}$ ° W.,  
 116 lks. dist., marked CC T25N R13W S35 BT.  
 This cor. is established 34.96 chs. N. 0° 3' E. of the  
 standard cor. of secs. 35 and 36. I add the section  
 numbers 35 and 36 to the north side of the cap, which  
 was formerly marked H I R only.  
 Thence N. 0° 3' E. bet. secs. 35 and 36.  
 Over broken alnd, through scattering timber and undergrowth.  
 Three strand barb wire fence, brs. N. 40° W. and S. 40° E.  
 Wash, course SE.  
 0.11 (40.00 chs. N. 0° 3' E. of the std. cor. of secs. 35 and 36)  
 3.70 Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in  
 5.04 the ground, for  $\frac{1}{4}$  sec. cor., marked on brass cap

↑
S35   S36

1920

From which

A cedar, limb, 10 ins. diam., brs. S. 77 $\frac{1}{2}$ ° E.,  
 141 lks. dist., marked  $\frac{1}{4}$  S36 BT.  
 A cedar limb, 8 ins. diam., brs. N. 21° W.,  
 52 lks. dist., marked  $\frac{1}{4}$  S35 BT.  
 8.54 Wash, 5 lks. wide, course SE. Asc. 80 ft.  
 16.54 Spur, slopes SE. Desc. 65 ft.  
 23.54 Wash, 8 lks. wide, course SE. Asc. 90 ft.  
 35.54 Spur, slopes SE. Desc. 50 ft.  
 39.24 Draw, course SE.  
 44.04 Draw, course SE.  
 44.94 (79.90 chs. N. 0° 3' E. of the std. cor. of secs. 35 and 36.)  
 A point due east of the closing cor. of secs. 26 and  
 35 on the Hualpai Indian Reservation Bdy., hereinafter  
 described. Set an iron post, 3 ft. long, 2 ins. diam.,  
 6 ins. in the ground in a mound of stone, for cor. of  
 secs. 25, 26, 35 and 36, marked on brass cap

T25N   R13W
.S26   S25

S35   S36
-----------

1920

From which

A pinyon, 12 ins. diam., brs. N. 36 $\frac{1}{2}$ ° E.,  
 155 lks. dist., marked T25N R13W S25 BT.  
 A cedar, 14 ins. diam., brs. S. 1 $\frac{1}{2}$ ° E.,  
 207 lks. dist., marked T25N R13W S36 BT.  
 A cedar, 14 ins. diam., brs. S. 70 $\frac{1}{2}$ ° W.,  
 186 lks. dist., marked T25N R13W S35 BT.  
 A pinyon, 14 ins. diam., brs. N. 51 $\frac{1}{2}$ ° W.,  
 414 lks. dist., marked T25N R13W S26 BT.  
 Land, broken.  
 Timber, cedar and pinyon.  
 Soil, gravelly and rocky; 3rd and 4th rates.  
 Undergrowth, scrub oak and cactus.

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The closing cor. of secs. 26 and 35, on the Boundary of  
 the Hualpai Indian Reservation, is an iron post, 2 ins.  
 diam., set in a mound of stone, properly marked, wit-  
 nessed by a mound of stone, W. of cor. This cor. is  
 established 42.73 chs. East of the cor. of secs. 26, 27,  
 34 and 35. I add the section numbers 26 and 35 to the  
 east side of the cap, which was formerly marked H I R  
 only.

Survey of the Completion

of the Subdivision of T.25N.,R.13 W.

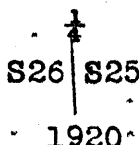
Chains	Thence East on a true line, bet. secs. 26 and 35, continuing measurement, over broken land, through scattering timber and undergrowth.
0.15	Three strand barb wire fence, brs. N.40°W. and S.40°E.
0.78	Small wash, course S.
6.03	Wash, 20 lks. wide, course S. Asc. 25 ft.
14.98	Spur, slopes SE. Desc. 45 ft.
17.68	Draw, course SE. Asc. 40 ft.
22.98	Spur, slopes SE. Desc. 95 ft.
36.18	Draw, course SE. Asc. 10 ft.
37.50	(80.23 chs. East of the cor. of secs. 26, 27, 34 and 35.) The cor. of secs. 25, 26, 35 and 36. Land, broken. Soil, rocky, 3rd rate. Timber, cedar. Undergrowth, scrub oak, Spanish bayonet, sagebrush and cactus.
-----	
	East on a random line, bet. secs. 25 and 36.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.53	Fall 10 lks. S. of the cor. of secs. 25 and 36, on the E. bdy. of T <sub>0</sub> , described in Book "B". Thence S.89°56'W. on a true line, bet. secs. 25 and 36. Over broken land, through scattering timber and undergrowth. Asc. 70 ft.
10.00	Spur, slopes S.20°E. Desc. 40 ft.
14.20	Draw, course SE. Thence over rolling land.
30.00	Draw, course SE. Asc. 45 ft.
39.53	Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4} \frac{S'25}{S'36}$ 1920
	From which A cedar, 12 ins. diam., brs. N.67°W., 60 lks. dist., marked $\frac{1}{4}$ S25 BT. A cedar, 18 ins. diam., brs. S.4°W., 178 lks. dist., marked $\frac{1}{4}$ S36 BT.
	Desc.
40.50	Draw, course SE. Asc. 70 ft.
52.00	Spur, slopes S.25°E. Desc. 40 ft.
62.50	Wash, course S.20°E. Asc. 40 ft.
65.70	Spur, slopes S.20°E. Desc. 60 ft.
69.00	Wash, 10 lks. wide, course SW. Thence over rolling land.
79.53	The cor. of secs. 25, 26, 35 and 36. Land, broken. Soil, gravelly, and rocky, 3rd rate. Timber, cedar and pinyon. Undergrowth, sagebrush, and scrub oak.
-----	
	N.0°3'E., bet. secs. 25 and 26. Over broken land, through scattering timber and undergrowth. Asc. 35 ft.
3.00	Spur, slopes SE. Desc. 45 ft.
7.20	Wash, 10 lks. wide, course SE. Asc. 60 ft.
15.00	Spur, slopes SE. Desc. 40 ft.
25.00	Asc. 185 ft.

Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

Chains  
40.00

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap



From which

- A cedar, 16 ins. diam., brs. S. 54° E., 142 lks. dist., marked  $\frac{1}{4}$  S25 BT.
- A cedar, 14 ins. diam., brs. N. 68° W., 72 lks. dist., marked  $\frac{1}{4}$  S26 B.T.

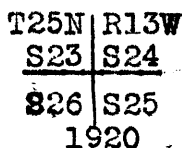
Desc. 40 ft.

52.50

Wash, 5 lks. wide, course SE. Asc. 470 ft.

80.00

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



From which

- A pinyon, 18 ins. diam., brs. N. 20 $\frac{1}{2}$ ° E., 330 lks. dist., marked T25N R13W S24 BT.
- A pinyon, 10 ins. diam., brs. S. 12 $\frac{1}{2}$ ° E., 110 lks. dist., marked T25N R13W S25 BT.
- A pinyon, 8 ins. diam., brs. S. 39 $\frac{1}{2}$ ° W., 283 lks. dist., marked T25N R13W S26 BT.

No other trees within limits. Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor.

Land, broken and mountainous.

Soil, gravelly and rocky, 3rd and 4th rates.

Timber, cedar and scattering pinyon.

Undergrowth, sagebrush and scrub oak.

-----  
It being impossible to measure West on a random line bet. secs. 23 and 26, because of the broken nature of the country, I run traverse line as follows:

S. 82 $\frac{3}{4}$ ° W. 14.72 chs.  
N. 81° W. 11.90 chs.

to a point 26.35 chs. West of the cor. of secs. 23, 24, 25 and 26.

Thence West on a random line, bet. secs. 23 and 26, continuing measurement.

40.00

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

79.90

Intersect N. and S. line, 16 lks. S. of the cor. of secs. 22, 23, 26 and 27.

Thence S. 89° 53' E. on a true line, bet. secs. 23 and 26.

Over broken land, through scattering timber and undergrowth.

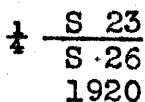
Desc. 315 ft.

33.00

Wash, 5 lks. wide, course S. Asc. 60 ft.

39.95

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



From which

- A pinyon, 10 ins. diam., brs. N. 23° W., 28 lks. dist., marked  $\frac{1}{4}$  S23 BT.
- A pinyon, 16 ins. diam., brs. S. 53° W., 55 lks. dist., marked  $\frac{1}{4}$  S26 BT.

Continue ascent, 315 ft.

53.55

Traverse point. From this point, distance determined by traverse, as hereinbefore described.

Survey of the Completion

BOOK 3551  
29

of the Subdivision of T. 25 N., R. 13 W.

Chains  
79.90

The cor. of secs. 23, 24, 25 and 26.  
Land, broken.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, sagebrush, scrub oak and Spanish bayonet.

40.00  
79.55

N.89°56'E. on a random line, bet. secs. 24 and 25.  
Set temp.  $\frac{1}{4}$  sec. cor.  
Fall 19 lks. N. of the cor. of secs. 24 and 25, on the E. bdy. of Tp. described in Book "B".  
Thence N.89°56'W. on a true line, bet. secs. 24 and 25..  
Over rolling mountainous land, through heavy timber and scattering undergrowth.  
Asc. 145 ft.

39.55

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on brass cap

$\frac{1}{4}$   $\frac{S\ 24}{S\ 25}$   
1920

From which

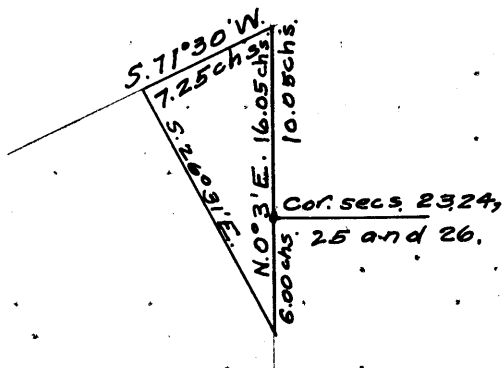
- A pinyon, 12 ins. diam., brs. N. 76 $\frac{1}{2}$ °W., 182 lks. dist., marked  $\frac{1}{4}$ S24 BT.
- A cedar, 12 ins. diam., brs. South 59 lks. dist., marked  $\frac{1}{4}$ S25 BT.

Continue ascent, 550 ft.

79.55

The cor. of secs. 23, 24, 25 and 26.  
Land, rolling mountainous.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak and cactus.

It being impracticable to measure north on the line bet. secs. 23 and 24 because of the mountainous and broken nature of the country, I triangulate a portion of this mile as follows: Set a flag ahead on line, from which



I measure a base S.71°30'W., 7.25 chs., from the W. end of which, a flag 6.00 chs. S.0°03'W. of the cor. of secs. 23, 24, 25 and 26 brs. S.26°31'E. The three angles of the triangle are therefore 26°34', 81°59' and 71°27', the sum of which is 180°. The distance triangulated is given by the sine proportion as follows:

$$\frac{7.25}{\sin.26^{\circ}34'} = \frac{X}{\sin.81^{\circ}59'}$$

log. 7.25 - .860338  
log.sin.26°34' -9.650539  
log.sin.81°59' =9.995735

log. X =1.205534

log. X = 16.05 chs., or 10.05 chs.

N.0°03'E. of the cor. of secs. 23, 24, 25 and 26.

Thence N.0°03'E. bet. secs. 23 and 24, continuing measurement. Over mountainous land, through scattering timber and undergrowth.

Survey of the Completion  
of the Subdivision of T. 25 N., R. 13 W.

Chains	Desc. 205 ft.
30.00	Asc. 85 ft.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ S23   S24 1920
	From which
	A pinyon, 12 ins. diam., brs. N. 85°E., 57 lks. dist., marked $\frac{1}{4}$ S24 BT.
	A pinyon, 12 ins. diam., brs. N. 84 $\frac{1}{2}$ °W., 65 lks. dist., marked $\frac{1}{4}$ S23 BT.
	Continue ascent.
47.00	Desc. 30 ft.
65.00	Asc. 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground, in a mound of stone, for cor. of secs. 13, 14, 23 and 24, marked on brass cap
	T25N   R13W S14   S13 S23   S24 1920
	From which
	A pinyon, 12 ins. diam., brs. N. 15 $\frac{1}{2}$ °E., 78 lks. dist., marked T25N R13W S13 BT.
	A pinyon, 12 ins. diam., brs. S. 45 $\frac{1}{2}$ °E., 92 lks. dist.; marked T25N R13W S24 BT.
	A pinyon, 12 ins. diam., brs. S. 40 $\frac{1}{2}$ °W., 67 lks. dist., marked T25N R13W S23 BT.
	A pinyon, 12 ins. diam., brs. N. 22 $\frac{1}{2}$ °W., 182 lks. dist., marked T25N R13W S14 BT.
	Land, mountainous. Soil, gravelly and rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, scrub oak.
	-----
	N. 89°53'W., on a random line, bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.78	Intersect N. and S. line, 23 lks. N. of the cor. of secs. 14, 15, 22 and 23.
	Thence N. 89°57'E. on a true line, bet. secs. 14 and 23. Over rolling mountainous land, through heavy timber and scattering undergrowth.
	Asc. 290 ft. over W. slope.
16.50	Spur, slopes N. Desc. 315 ft. over E. slope.
32.00	Wash, 5 lks. wide, in center of draw, 2 chs. wide, course N. Asc. 40 ft., over W. slope.
39.89	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4}$ <u>S 14</u> S 23 1920
	From which
	A pinyon, 12 ins. diam., brs. N. 2 $\frac{1}{4}$ °W., 80 lks. dist., marked $\frac{1}{4}$ S14 BT.
	A pinyon, 14 ins. diam., brs. S. 23°W., 146 lks. dist., marked $\frac{1}{4}$ S23 BT.
	Continue ascent, 365 ft., over W. slope.
79.50	Ridge, brs. N. and S. Desc.
79.78	The cor. of secs. 13, 14, 23 and 24. Land, rolling mountainous.



Survey of the Completion  
of the Subdivision of T. 25 N., R. 13 W.

BOOK 31 3551

Chains

Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak and sagebrush.

40.00 S. 89056'E. on a random line, bet. secs. 13 and 24.  
Set temp. 1/4 sec. cor.  
79.52 Fall 2 lks. S. of the cor. of secs. 13 and 24, on the E.  
bdy. of Tp., described in Book "B".  
Thence N. 89057'W. on a true line, bet. secs. 13 and 24.  
Over mountainous land, through heavy timber and under-  
growth.  
Asc. 150 ft. over E. slope.  
10.00 Desc. 90 ft.  
16.70 Wash, 5 lks. wide, course NE. Asc. 165 ft.  
39.52 Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the  
ground, for 1/4 sec. cor., marked on brass cap

1/4	S 13
	S 24
	1920

From which

A pinyon, 12 ins. diam., brs. N. 64 1/2° E.,  
61 lks. dist., marked 1/4 S13 BT.  
A pinyon, 16 ins. diam., brs. S. 31° W.,  
36 lks. dist., marked 1/4 S24 BT.

Continue ascent, 900 ft.  
52.00 Cliff, 50 ft. high, brs. NE. and SW. Continue ascent.  
79.52 The cor. of secs. 13, 14, 23 and 24.  
Land, mountainous.  
Soil, rocky, 4th rate.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak, sagebrush and cactus.

N. 0° 3'E. bet. secs. 13 and 14.  
Over rolling mountainous land, through heavy timber and  
undergrowth.

40.00 Desc. 420 ft.  
Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the  
ground, in a mound of stone, for 1/4 sec. cor., marked on  
brass cap

	1/4	
S14		S13
	1920	

From which

A pinyon, 12 ins. diam., brs. N. 25 1/2° E.,  
44 lks. dist., marked 1/4 S13 BT.  
A pinyon, 12 ins. diam., brs. S. 74 1/2° W.,  
65 lks. dist., marked 1/4 S14 BT.

Continue descent, 145 ft., over E. slope.  
50.00 Gulch, course E. Asc. 60 ft.  
55.00 Desc. 40 ft.  
71.40 Gulch, course E. Asc. 75 ft.  
80.00 Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the  
ground, in a mound of stone, for cor. of secs. 11, 12,  
13 and 14, marked on brass cap

T25N		R13W
S11		S12
S14		S13
	1920	

From which

A pinyon, 8 ins. diam., brs. N. 66° E.,  
88 lks. dist., marked T25N R13W S12 BT.

## Survey of the Completion

32

of the Subdivision of T. 25 N., R.13 W.,

Chains.

A pinyon, 12 ins. diam., brs. S.77 $\frac{1}{2}$ °E.,  
69 lks. dist., marked T25N R13W S13 BT.  
A pinyon, 12 ins. diam., brs. S.68 $\frac{1}{2}$ °W.,  
45 lks. dist., marked T25N R13W S14 BT.  
A pinyon, 12 ins. diam., brs. N.50 $\frac{1}{2}$ °W.,  
66 lks. dist., marked T25N R13W S11 BT.

Land, rolling mountainous.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak and sagebrush.

40.00

S.89°57'W. on a random line, bet. secs. 11 and 14.

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

79.84

Intersect N. and S. line, 7 lks. S. of the cor. of secs.  
10, 11, 14 and 15.

Thence East on a true line, bet. secs. 11 and 14.

Over rolling mountainous land, through heavy timber and  
undergrowth.

Asc. 150 ft.

11.50

Gulch, course NW. Continue ascent.

15.50

Spur, slopes N. Desc. 80 ft.

27.00

Draw, course N. 15°W. Asc. 50 ft.

32.00

Spur, slopes N. Desc. 50 ft.

37.30

Draw, course N. Asc.

39.92

Set an iron post, 3 ft. long, 1 in. diam., 9 ins. in the  
ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
brass cap
$$\frac{1}{4} \frac{S 11}{S 14}$$

1920

From which

A pinyon, 10 ins. diam., brs. N. 58 $\frac{1}{2}$ °E.,  
92 lks. dist., marked  $\frac{1}{4}$ S11 BT.A cedar, 14 ins. diam., brs. S. 50°E.,  
53 lks. dist., marked  $\frac{1}{4}$ S14 BT.

Desc.

47.40

Draw, course N.25°W. Asc. 140 ft.

57.33

Spur, slopes NE. Desc. 180 ft.

79.84

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

Land, rolling mountainous.

Soil, gravelly and rocky, 3rd and 4th rates.

Timber, cedar and pinyon.

Undergrowth, scrub oak and sagebrush.

40.00

S.89°57'E. on a random line, bet. secs. 12 and 13.

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

79.44

Fall 16 lks. N. of the cor. of secs. 12 and 13, on the  
E. bdy. of Tp., described in Book "B".

Thence N.89°50'W. on a true line, bet. secs. 12 and 13.

Over broken land, through heavy timber and undergrowth.

Desc. 50 ft.

11.45

Wide draw, course NE. Asc. 185 ft..

39.44

Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the  
ground, in a mound of stone, for  $\frac{1}{4}$  sec. cor., marked on  
brass cap
$$\frac{1}{4} \frac{S 12}{S 13}$$

1920

From which

A pinyon, 12 ins. diam., brs. N.24°E.,  
40 lks. dist., marked  $\frac{1}{4}$ S12 BT.A pinyon, 14 ins. diam., brs. S.48°E.,  
61 lks. dist., marked  $\frac{1}{4}$ S13 BT.

Survey of the Completion  
of the Subdivision of T. 25 N., R. 13 W.

Chains  
39.95 Continue ascent.  
53.45 Spur, slopes N. Desc. 105 ft.  
79.44 Draw, course N.60°E. Asc. 315 ft.  
The cor. of secs. 11, 12, 13 and 14.  
Land, broken and mountainous.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, sagebush and scrub oak.

-----  
N.003'E. bet. secs. 11 and 12.  
Over broken and mountainous land, through scattering  
undergrowth.

Desc. 165 ft., over N. slope.  
11.00 Draw, course NE. Asc. 50 ft.  
15.00 Spur, slopes NE. Desc. 110 ft.  
22.50 Draw, course NE. Asc. 175 ft., over SE. slope.  
35.00 Spur, slopes E. Desc.  
37.60 Draw, course E. Asc. 30 ft.  
40.00 Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the  
ground, in a mound of stone, for 1/4 sec. cor., marked on  
brass cap

1/4  
S11 | S12  
1920

From which  
A twin pinyon, 10 ins. diam., brs. N.56 1/2°E.,  
105 lks. dist., marked 1/4 S12 BT.  
A pinyon, 16 ins. diam., brs. S.79°W.,  
157 lks. dist., marked 1/4 S11 BT.

Continue ascent, 30 ft.  
45.00 Desc. along W. slope of spur, slopes N., 305 ft.  
80.00 In wide draw, course from W to SE., set an iron post, 3 ft.  
long, 2 ins. diam., 14 ins. in the ground, in a mound  
of stone, for cor. of secs. 1, 2, 11 and 12, marked  
on brass cap

T25N | R13W  
S 2 | S 1  
S11 | S12  
1920

From which  
A cedar, 5 ins. diam., brs. N. 56 1/2°E.,  
503 lks. dist., marked T25N R13W S1 BT.  
A cedar, 10 ins. diam., brs. S.74 1/2°E.,  
100 lks. dist., marked T25N R13W S12 BT.  
A cedar, 24 ins. diam., brs. S. 28 1/2°W.,  
35 lks. dist., marked T25N R13W S11 BT.  
A pinyon, 14 ins. diam., brs. N.26 1/2°W.,  
132 lks. dist., marked T25N R13W S2 BT.

Land, broken and mountainous.  
Soil, gravelly and rocky, 3rd and 4th rates.  
Timber, cedar and pinyon.  
Undergrowth, scrub oak and sagebrush.

-----  
40.00 West on a random line, bet. secs. 2 and 11  
79.84 Set temp. 1/4 sec. cor.,  
Intersect N. and S. line, 46 lks. N. of the cor. of secs.  
2, 3, 10 and 11.  
Thence N.89°40'E. on a true line, bet. secs. 2 and 11.  
Over broken land, through scattering timber and under-  
growth.  
Asc. 85 ft.

Survey of the Completion  
of the Subdivision of T. 25 N., R. 13 W.

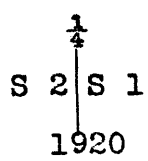
Chains.	
16.35	Spur, slopes NW. Desc.
19.85	Asc. 110 ft.
30.85	Spur, slopes NE. Desc. 105 ft.
39.15	Draw, course N. 15°W. Asc.
39.92	Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4} \frac{S \ 2}{S \ 11}$ 1920
	From which
	A pinyon, 6 ins. diam., brs. N. 16°W., 81 lks. dist., marked $\frac{1}{4}$ S 2 BT.
	A cedar, 16 ins. diam., brs. S. 46°E., 54 lks. dist., marked $\frac{1}{4}$ S 11 BT.
	Continue ascent.
47.85	Spur, slopes NE. Desc. 345 ft., over E. slope.
79.84	The cor. of secs. 2, 3, 10 and 11. Land, broken. Soil, rocky, 3rd rate. Timber, cedar and pinyon. Undergrowth, sagebrush, scrub oak and cactus.
-----	
	S. 89°50'E. on a random line, bet. secs. 1 and 12.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.53	Fall 19 lks. N. of the cor. of secs. 1 and 12, on the E. bdy. of Tp., described in Book "B". Thence N. 89°42'W. on a true line, bet. secs. 1 and 12. Over broken land, through scattering timber and undergrowth.
10.25	Wash, 15 lks. wide, course N. 75°E.
15.15	Road, brs. N. 75°E. to Hackberry and S. 75°W. to Milkweed Spring
39.53	Set an iron post, 5 ft. long, 1 in. diam., 12 ins. in the ground, in a mound of stone, for $\frac{1}{4}$ sec. cor., marked on brass cap
	$\frac{1}{4} \frac{S \ 1}{S \ 12}$ 1920
	From which
	A pinyon, 4 ins. diam., brs. N. 32 $\frac{1}{2}$ °W., 69 lks. dist., marked $\frac{1}{4}$ S 1 BT.
	A twin pinyon, 12 ins. diam., brs. S. 14 $\frac{1}{2}$ °E., 72 lks. Asc. 165 ft., over E. slope. dist. marked $\frac{1}{4}$ S 12 B T.
59.55	Spur, slopes S. Desc. 140 ft., over W. slope.
73.45	Wash, 10 lks. wide, 4 ft. deep, course S. Asc.
76.45	Road, brs. N. to Milkweed Spring and S. to Hackberry.
79.53	The cor. of secs. 1, 2, 11 and 12. Land, broken. Soil, gravelly and rocky, 3rd and 4th rates. Timber, cedar and pinyon. Undergrowth, sagebrush and cactus.
-----	
	N. 0°19'W. on a random line, bet. secs. 1 and 2.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Fall 19 lks. W. of the cor. of secs. 1 and 2, on the N. bdy. of Tp., hereinbefore described. Thence S. 0°11'E. on a true line, bet. secs. 1 and 2. Over rolling land, through heavy timber and scattering undergrowth.
35.00	Asc. gradual N. slope, 105 ft.
39.80	Ridge, brs. NE. and SW. Desc. Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the

Survey of the Completion

of the Subdivision of T. 25 N., R. 13 W.

Chains

ground, in a mound of stone, for  $\frac{1}{4}$  sec.cor., marked on brass cap



From which

A pinyon, 12 ins. diam., brs. N. 30°E., 88 lks. dist., marked  $\frac{1}{4}$ S1 BT.

A pinyon, 8 ins. diam., brs. West 119 lks. dist., marked  $\frac{1}{4}$ S2 BT.

Raise a mound of stone 2 ft. base,  $1\frac{1}{2}$  ft. high, W. of cor. Continue descent, 175 ft., over SE. slope.

55.30 Draw, course E. Asc. 25 ft.

67.00 Spur, slopes E. Desc. 75 ft., over S. slope.

74.00 Thence over rolling land.

79.80 The cor. of secs. 1, 2, 11 and 12.

Land, rolling and broken.

Soil, rocky, 3rd rate.

Timber, cedar and pinyon.

Undergrowth, sagebrush, and Spanish bayonet.

Fair grass.

---

The continued satisfactory adjustment of the solar apparatus during the survey of this township is indicated from field tests as described in Book "D".

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GENERAL DESCRIPTION.

The portion of T. 25 N., R. 13 W. surveyed at this time is broken or rolling mountainous land, covered with a heavy growth of cedar and pinyon timber and dense scrub oak and sagebrush undergrowth. The eastern part drains to the south and east; the rest drains northerly. There are no settlers. The soil is gravelly and rocky, 3rd and 4th rates. A spring near the east  $\frac{1}{4}$  sec.cor. of sec.13 is the only developed water in the township. The grazing is poor, owing to the large amount of undergrowth. There are no indications of mineral deposits.

4-680

BOOK 3551

FIELD ASSISTANTS. to  
James C. O'Brien, U.S.S.

NAMES.	CAPACITY.
T.E. Sheffield,	1st chainman,
Max Dessau,	2nd chainman,
Charles A. Pritchard,	cornerman,
Donald B. Ames,	axeman,
Leon L. Lamb,	flagman.
Hugh Bowers	axeman

38 BOOK 3551

CERTIFICATE OF UNITED STATES SURVEYOR.

I, James C. O'Brien, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 109, Arizona, bearing date of the 20th day of February, 1920 I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the 6th Standard Parallel North, thru part of Range 13 West, and North boundary.

of TOWNSHIP 25 NORTH, RANGE 13 WEST, of the Gila and Salt

River Base & Meridian, in the State of Arizona, which are represented in the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 109, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Place Phoenix, Arizona James C. O'Brien, (deceased) U. S. Surveyor. Date May 14, 1923 By Asst. Supervisor of Surveys.

APPROVAL

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

191

The foregoing field notes of the survey of

executed by under his special instructions dated , 191 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General.

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. Surveyor General.

4-680

FIELD ASSISTANTS. to

Dupree R. Averill, U.S. Surveyor.

NAMES.	CAPACITY.
Howard Hickman,	1st chainman,
Roy Hume,	2nd chainman,
Geoffrey Brewer.	cornerman,
F. P. Ames,	axeman,
J.S. Dameron,	flagman.



40  
BOOK 3551

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Dupree R. Averill, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General, for Group 109, Arizona, bearing date of the 26th day of February, 1920, I have well, faithfully, and truly in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, ~~surveyed~~ **retraced** all those parts or portions of the Hualapai Indian Reservation Bdy. from 44 1/2 M. cor. to 44 M. cor., and surveyed all those parts or portions of the North boundary and Subdivision lines of

TOWNSHIP 25 NORTH, RANGE 13 WEST,

of the Gila and

Salt River Base & Meridian, in the State of Arizona, which are represented in and by diagram on page 1 hereof the foregoing field notes as having been executed by me, and under my direction; and that all the corners of said ~~survey~~ **retracement and** survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the U. S. Surveyor General, for Group 109, Arizona, and in the specific manner described in the field notes, and that the foregoing are the original field notes of such ~~survey~~ **retracement and** survey.

*Dupree R. Averill*  
U. S. Surveyor.

Place Needles Calif

Date April 9, 1923

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, MAY 24 1923, 1923.

The foregoing field notes of the ~~survey of the~~ **retracement of** the Hualapai Indian Reservation Bdy. from 44 1/2 mile cor. to 44 mile cor., and survey of the Sixth Standard Parallel North, thru. part of Range 13 West; and part, (completion) of the North bdy., and part (completion) of the Subdivision lines of TOWNSHIP 25 NORTH, RANGE 13 WEST, of the Gila and Salt River Base and Meridian, in the State of Arizona, executed by Dupree R. Averill, and James C. O'Brien, U.S. Surveyors, under ~~his~~ special instructions dated Feb. 26, 1920, for Grp. 109, Arizona, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

*Frank J. ...*  
U. S. Surveyor General.

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. Surveyor General.