19

Exterior

BOOK "AR"

2371

FIELD NOTES

BOOK 2571

OF THE SURVEY OF THE

West and North Boundaries of Tp. 30 N. R. 17 E.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED AS ~~SURVEYED~~ BY

Van L. White U.S. Transitman, ~~United States Deputy Surveyor,~~

Under ~~his Contract No.~~ Special Instructions from the Commissioner of the General Land Office, dated Oct 2nd 1907 and May 15th, 1908

Survey commenced November 15th, 1910

Survey completed November 17th, 1910

6—151

20
(1A)

BOOK 2571

NAMES AND DUTIES OF ASSISTANTS.

T. Y. White	Chainman
Oscar W. Fetters	Chainman
Ralph C. Sampson	Mound man
George B. Seig	Axman
Nelson Polacca	Axman
William R. Carson	Flagman

6—151

21
13

BOOK 2571

INDEX DIAGRAM.

Township 30 N., Range 14 E.

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

Meanders Page .....

6—151

22

BOOK 2571

PRELIMINARY OATHS OF ASSISTANTS.

WE, T. J. White and Oscar W. Fetters do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of West and North Bdrys. of Tp 30 N. R. 14 E. of the G. & S. R. Base & Meridian, Arizona

T. J. White, Chainman.

Oscar W Fetters, Chainman.

Subscribed and sworn to before me this 15th day of November, 1910

Van L. White
U.S. Transitman

SEAL

~~I~~ WE, Ralph C. Sampson ~~and.~~

do solemnly swear that ~~I~~ will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~me~~, to the best of ~~my~~ skill and ability, in the survey of West and North Bdry's of Tp 30 N. R 14 E. of the G. & S. R. Base & Meridian, Arizona.

Ralph C Sampson, Moundman.

, ~~Moundman.~~

Subscribed and sworn to before me this 15th day of November, 1910

Van L. White
U.S. Transitman

SEAL

WE, George B. Seig and Nelson Polacca

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of West and North Bdrys of Tp 30 N R 14 E of the G. & S. R. Base & Meridian, Arizona.

George B. Seig, Axman.

Nelson Polacca, Axman.

Subscribed and sworn to before me this 15th day of November, 1910

Van L. White
U.S. Transitman

SEAL

I, William R. Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of West and North Bdrys of Tp 30 N R 14 E. of the G. & S. R. Base & Meridian, Arizona.

William R Carson, Flagman.

Subscribed and sworn to before me this 15th day of November, 1910

Van L. White
U.S. Transitman

SEAL

6—151

Selawik

West boundary of Tp. 30 N. R 14 E.

Survey commenced November 15th 1910, and executed with a W. & L. E. Gurley engineers transit No. 76 with a Burh Solar attachment, the horizontal limb being provided with one double vernier which reads to single minutes of arc. The verniers of the latitude and declination arcs. each read to 0° 30" of arc.

Determined the adjustment of the transit and correct the level and collimation errors.; then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observation on Polaris & proceed as follows.

At my camp which is located near the cor. of secs. 15. 16. 21 and 22. T 30 N., R 14 E., Latitude 35°59'17" N. Longitude 110° 50' 25" W. & set off 35° 59' N. on the lat. arc. 18° 25½' S. on the decl. arc. and at 2h 45m p.m. l.m.t. determine a meridian with the solar and mark a point thereof by a tack driven in a stake set in the ground 5.00 chs. N. of my instrument

At. 8h 50m p.m. l.m.t. by my watch which is correct local mean time I observe Polaris in accordance with instructions in the Manual and mark the direction thus determined by a tack driven in a stake set in the ground 5.00 chs. N. of my instrument.

Astronomical time of obs. 1910. Nov. 15			8h 50m
Equivalent to time of Nov. 14			32.52
Astron time U.C. Polaris Nov. 15	9 51.6		
Reduction to Nov. 14, add.	3.9		
Astron time U.C. Polaris. Nov. 14	9.55.5	Subtract	9 55.5
Hour angle of Polaris at observation			22 56.5
Subtract from			23 56.1
Nine argument for Table VII			0° 59.6
Azimuth of Polaris at observation			0° 22½' E.

November 15 1910.

Nov. 16th 1910 At. 7h 30m a.m. l.m.t. I lay off the azimuth of Polaris 0° 22½' to the west and mark the meridian thus determined by a tack driven in the stake already

West boundary of Twp. 30 N. R14 E

Sch 5.00 chs. N. of my instrument on which the meridian falls. 0.3 lins. East of the point determined by the Solar.

Ah. 7h 45m a.m. l.m.t. I sch off. 35° 59' N. on the lab. arc. 18° 34' S. on the decl. arc and determined a meridian with the solar and mark a point thereof by a tack driven in the stake already sch. 5.00 chs. N. of my instrument. This point falls 0.4 lins East of the meridian established by the Polaris observation. , The solar apparatus by p.m. and a.m. observations defined positions for meridians respectively about 0' 16" West. and 0' 21" East of the meridian determined by the Polaris observation therefore I conclude that the adjustments of the instruments are satisfactory

I begin at the Cor. of Twps. 29 and 30 N. Rs 13 and 14 E. described in Exterior Book "AQ" which I established September 27th 1910, Latitude 35° 56' 41" N., Longitude 110° 53' 38" W.

Ah. 9h 15m a.m. l.m.t. Nov. 16, 1918 I sch off. 35° 56½' N. on the lab. arc. 18° 37' S. on the decl. arc and determine a meridian with the solar at this Cor, thence I run;

North, bet. secs. 31 and 36,

Ascend S.E. slope over rolling sandy and stony land. through scattering sage and greasewood brush undergrowth and bunch grass, and scattering cedar timber

17.50 Top of rocky ridge bears N.E. and S.W. desc N.W. slope.

31.25 Sandstone ledge 10 ft. high. bears N 30° E and S 30° W.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins in the ground for ¼ sec. Cor. marked on brass Cap ¼ S 36 on W. half and S 31 on E half. from which.

A cedar 10 ins. in diam. bears S 88° E 90 lks. dist. marked ¼ S 31 B.T.

A cedar 8 ins. in diam. bears N 78½° W 40 lks. dist. marked ¼ S 36 B.T.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for Cor. of secs. 25, 30, 31 and 36 marked on brass Cap T 30 N. in N. half. R 13 E. S 25 in N.W. R 14 E S 30 in N.E., S 31 in S.E. and S 36

in S.W. quadrant, from which.
A cedar 6 ins. in diam. bears N 50 3/4° E 84 lks. dist
marked T 30 N, R 14 E, S 30 B.T.
No other trees suitable for bearing trees within limits
Raise a mound of stone 2 ft base, 1 1/2 ft. high. W.
of Cor. Pits impracticable
Land rolling.
Soil sandy and Stony 3rd rate.
Timber Cedar

North, bet. secs. 25 and 30,
Descend N.W. slope over hilly sandy and stony land
through scattering cedar timber and sage brush, under
growth and bunch grass
9.15 Sand stone ledge 30 ft. high. bears E and W. Leave timber bears E and W.
11.00 Dry ravine 20 lks. wide course N.W. asc.
13.30 Top of clay ridge bears N.W. and S.E. desc.
38.70 Dry ravine 25 lks. wide course N.W. asc
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins in
the ground for 1/4 sec. Cor. marked on brass cap.
1/4 S 25 on W. half and S 30 on E half
Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. ditch. and
raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high.
W. of Cor.
This cor is situated on top of ridge bears E and W.
desc.
49.50 Dry ravine 25 lks wide Course N.E. asc
64.65 Top of clay ridge bears E. and W. extends 3.00 chs.
W. of line. desc
67.20 Dry ravine 20 lks. wide 30 ft. below tops of ridge
Course N.W. asc.
80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24
ins. in the ground for Cor. of secs. 19. 24. 25. and
30. marked on brass Cap T 30 N. in N. half
R 13 E S 24 in N.W., R 14 E S 19 in N.E. S 30 in S.E.
and S 25 in S.W. quadrant.; Raise a mound
of stone 2 ft base. 1 1/2 ft. high. W. of Cor. Pits
impracticable
Land broken and hilly.
Soil sandy and Stony 3rd and 4th rate.
Timber Cedar.

4 Sections — West boundary of Pp 30 N. R 14 E

NOTE:- At this cor. Deck off 18°39'3. ow the decl. arc. and at noon observe the sun on the meridian, and obtain a reading of 35°58½' N. on the Lab. arc.

North, bet. secs. 19 and 24,
Ascend S slope of clay ridge over hilly land covered with scattering sag brush undergrowth 2½ ft high.

5.35 Pof of ridge bears E and W. dec.

18.60 Dry ravine 15 lks. wide 40 ft. below top of ridge course West. arc.

22.60 Pof of clay ridge bears E and W. extends 25 lks. W. of line. dec.

36.20 Dry ravine 10 lks. wide 50 ft. below top of spur course West. arc.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap. ¼ S 24 on W half and S 19 on E half.
Dig pits 18x18x12 ins. N and S. of post. 3 ft. distant and raise a mound of earth 3½ ft base. 1½ ft high. W. of cor.

46.65 Pof of clay ridge 25 ft. above ¼ sec cor. bears E and W. dec.

47.90 Dry ravine 20 ft. below top of spur or ridge course West. arc

62.50 Pof of clay ridge bears E and W. dec.

75.20 Dry ravine 30 lks. wide course west. arc.

80.00 Set an iron post 3 ft. long. 3 ins. in diam. 24 ins. in the ground for cor. of secs. 13. 18. 19 and 24 marked on brass cap T 30 N. in N. half., R 13 E. S 13 in N.W. R 14 E S 18 in N.E. S 19 in S.E. and S 24 in S.W. Quadranch. Raise a mound of stone 2 ft base 1½ ft high. W. of cor. Pits impracticable
Land hilly.
Soil clayey and sandy 3rd rate.
No timber

North, bet. secs. 13 and 18,
Ascend S. slope of ridge over sandy and clayey land through scattering sage brush undergrowth and bunch grass

West boundary of Twp 30 N., R 14 E.

Chains

1.40 Pos. of ridge bears E and W. desc gradually
19.75 Begin abrupt descent over perpendicular bluff 30 ft. high. bears E and W.
20.00 Foot of bluff. thence over low ridges and shallow ravines descending.
38.30 Dry ravine 20 lks wide course S 40° W asc. steeply
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass cap. 1/4 S 13 on W. half and S 18 on E half.
Raise a mound of stone 2 ft base 1½ ft. high. W. of Cor. Pits impracticable
72.00 Pos of steep ascent. on ridge bears NE and SW., Land hilly land bears NE and SW. Enter rolling land. desc gradually over NW. slope.
80.00 Set an iron post 3 ft. long, 3 ins in diam. 24 ins. in the ground for Cor. of secs. 7. 12. 13 and 18. marked on brass cap T 30 N. in N. half, R 13 E. S 12 in NW. R 14 E S 7 in NE. S 18 in SE. and S 13 in SW. quadrant. Dig pits 18 x 18 x 12 ins. in each. sec. 5½ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of Cor.
Land. rolling, hilly and broken
Soil Sandy, Clayey, and stony 3rd and 4th rate.
No timber

North, bet. secs. 7 and 12,
Descend NW. slope over rolling sandy land, through sage and greasewood bush undergrowth and bunch. grass.
15.54 Road to Tuba, Arizona, bears N 45° W. and S 45° E.
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass cap 1/4 S 12 on W. half and S 7 on E half.
Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist. and raise a mound of earth 3½ ft base, 1½ ft. high. W. of Cor.
80.00 Set an iron post 3 ft. long. 3 ins. in diam. 24 ins. in the ground for Cor. of secs 1. 6. 7. and 12. marked on brass cap T 30 N. in N. half, R 13 E S 1 in NE, R 14 E S 6 in NE., S 7 in SE. and S 12. in SW quadrant. Dig pits 18 x 18 x 12 ins. in each.

West boundary of Ps. 30 N. R14 E

	sec. 5½ ft. disk. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
	Land rolling.
	Soil sandy 3rd rate.
	No timber
	North, bet. Secs. 1 and 6,
	Descend N.W. slope over rolling sandy land, through scattering sage and greasewood brush undergrowth and bunch grass
40.00	Set an iron post 3 ft. long, 1 in in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass Cap 1/4 S1 on W. half and S 6 on E half.
	Raise a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable
41.00	Dry ravine 15 lks. wide course N 40° E sec.
	Leave rolling land bears N.E and S.W. enter hilly land
44.30	Top of sand ridge bears N 35° E and S 35° W. desc
48.80	Dry ravine 20 lks. wide 10 ft. below top of ridge Course N 30° E sec.
52.00	Top of sand ridge bears N.E. and S.W. desc.
55.50	Dry ravine 20 lks. wide course N 40° E sec.
58.85	Top of sand ridge bears N.E and S.W. desc.
77.00	Dry ravine 40 lks. wide 20 ft. deep Course N.E. sec.
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for cor. of Ps. 30 and 31 N. R. 13 and 14 E, marked on brass Cap T 31 N. in N half T 30 N. in S. half. R13E S 36 in N.W. R14E S31 in N.E. R14E S6 in S.E. and R13E. S1 in S.W. Quadrant.
	Raise a mound of stone 2 ft base 1½ ft. high. S of cor. Pits impracticable
	Land rolling and hilly.
	Soil sandy and stony 3rd and 4th rate.
	No timber.
	November 16th 1910

Claims

North Boundary of T 30 N. R 14 E

7

Survy Commenced Novembr 17th 1910 and executed with a W & L.E. Gurley engineers transit No 76 with a Burt Solar attachment, the horizontal limb being provided with two double verniers which reads to single minutes of arc. The verniers of the latitude and declination arcs read to 0' 30" of arc
For last complete test of instrument see field notes of the survy of the West boundary of T 30 N, R 14 E. page one of this book.

Began at the cor. of Ps. 30 and 31 N. Rs 14 and 15 E established Sidney E. Blout, May 11, 1909
which is an iron pipe 3 ins. in diam. 12 ins. above ground, firmly set, marked on brass cap T 31 N, in N half T 30 N. in S. half. R 14 E S 36 in N.W. R 15 E S 31 in N.E. R 15 E S 6 in S.E. and R 14 E S. 1 in S.W. quadrants from which

A cedar 6 ins. in diam. brs N 45° E 149 lks. dist. mkd T 31 N, R 15 E S 31 B.T.

A cedar 5 ins. in diam. brs S 5° E 126 lks. dist. marked T 30 N. R 15 E S 6 B.T.

A cedar 10 ins. in diam. brs S 41¼° W 94 lks. dist. marked T 30 N. R 14 E S 1 B.T. and

A cedar 8 ins. in diam. brs N 10¼° W 73 lks. dist. marked T 31 N. R 14 E S 36 B.T., Latitude 36° 01' 54" N. Longitude 110° 47' 13" W.

Nov 17th 1910, At 7h 45m a.m. Lmt Drch ff 36° 02' N. on the lat. arc. 18° 50' S on the decl. arc and determine a meridian with the solar at the above described cor. thence Drun

S. 89° 57' W, on a random line, along the north boundary of T 30 N. R 14 E., setting temp ¼ sec. and Sec. cors. at intervals of 40.00 chs. and at 478.70 chs. intersect W. bdry. of Tp. 30 lks. S, of the cor. of Ps. 30 and 31 N. Rs 13 and 14 E. which I established Nov. 16th 1910. as hereinbefore described.

The following answers to a correction of 0° 02' or 5 lks N. per mile counting from the N.E. cor. of the Tp., therefore Drun,

N. 89° 59' E., brg. sect. 6 and 31, marking and blazing true line.

Descend E slope over stony hilly land, through scattering sage and greasewood brush undergrowth and timber grass.

8 Chains — North boundary of Tp 30 N., R 14 E

2.30	Dry ravine 100 lks. wide 20 ft. deep course North asc.
11.20	Pof. of sand ridge bears N and S. desc.
20.50	Bottom of canyon 200 lks. wide 30 ft. deep course North asc.
31.70	Pof. of sand ridge E. side of canyon bears N 20° E. and S 20° W. desc
38.70	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass Cap 1/4 S 31 on N. half and 36 on S. half. Raised mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable
NOTE:	At this cor. I set off 18° 54' S. on the decl. arc and at noon observed the Sun on the meridian and obtain a reading of 36° 02' N. on the lab. arc.
44.70	Dry ravine 10 lks. wide course NE asc.
48.70	Pof. of ridge bears N and S. desc.
55.30	Dry ravine 30 lks. wide. banks 4 ft. high course North asc.
62.70	Pof. of sand ridge bears N and S. desc.
65.80	Dry ravine 20 lks. wide 4 ft. deep course North asc.
67.70	Pof. of sand ridge bears N and S. desc.
78.70	Set an iron post 3 ft. long 3 ins. in diam. 24 ins in the ground for Cor. of secs. 5, 6, 31 and 32, marked on brass Cap R 14 E in E half. T 31 N. S 32 in N.E. T 30 N. S 5 in S.E. S 6 in S.W. and S 31 in N.W. quadrants. Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. distt. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land hilly. Soil sandy and stony 3rd and 4th rate. No timber
	N. 89° 59' E., bet. secs 5 and 32, Descend NE. slope over hilly sandy and stony land through sage and greasewood brush undergrowth and bunch grass.
12.85	Dry ravine 30 lks. wide 5 ft. deep course North. Enter hilly land bears N and S.. Enter rolling land.
29.33	Dry ravine 15 lks. wide, banks 3 ft. high. course S.W.
40.00	Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass cap.

North boundary of Wp 30 N., R. 14 E

Chains		
		9
	1/4 S 32 on N. half and S 5 on S half. Dig pits 18 x 18 x 12 ins. E and W of post 3 ft. distt. and raise a mound of earth 3½ ft. base, 1½ ft. high. N. of cor.	
80.00	Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for Cor. of secs. 4. 5. 32 and 33. marked on brass cap R14E in E half., T31 N. S 33 in N.E. T 30 N. S 4 in S.E. S 5 in S.W. and S 32 in N.W. quadrants.	
	Raise a mound of stone 2 ft base, 1½ ft. high. W of. Cor. Pits impracticable	
	Land rolling and hilly.	
	Soil sandy and stony 3rd rate.	
	No timber	
	N. 89° 59' E, bet. secs. 4 and 33,	
	Over rolling sandy land. through scattering sage and greasewood brush underghowth and bunch grass.	
3.00	Wp of sandy ridge bears N.E and S.W. desc.	
8.00	Dry wash 20 lks. wide course S 50° W. a-cend gradually.	
30.50	Road to Spring. bears N 20° E and S 20° W	
40.00	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground. for 1/4 sec. cor. marked on brass cap 1/4 S 33 on N. half and S 4 on S. half. Dig pits 18 x 18 x 12 ins. E and W. of. post. 3 ft. distt. and raise a mound of. earth 3½ ft. base, 1½ ft. high. N of Cor.	
71.56	Road to Tuba, Arizona, bears N 20° W and S 20° E.	
80.00	Set an iron post. 3 ft. long. 3 ins. in diam. 24 ins. in the ground for cor. of secs 3. 4. 33. and 34 marked on brass cap R14E in E half. T31 N. S 34 in N.E., T30 N. S 3 in S.E. S 4 in S.W. and S 33 in N.W. quadrants.	
	Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. distt. and raise a mound of earth 4 ft. base, 2 ft. high. W. of Cor.	
	Land rolling.	
	Soil sandy 3rd rate.	
	No timber	
	N. 89° 59' E., bet. secs. 3 and 34,	

10 Chains North boundary of Mp 30 N. R 14 E

Ascend gentle S.W. slope over rolling sandy land, through scattering sage and greasewood brush undergrowth and bunch grass

40.00 Set an iron post 3 ft. long, 1 in. in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 34 on N. half and S 3 on S. half.
Dig pits 18 x 18 x 12 ins. E and W. of post 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor

80.00 Set an iron post 3 ft. long 3 ins in diam. 24 ins. in the ground for cor. of secs. 2. 3. 34 and 35 marked on brass cap R 14 E in E half, T 31 N. S 35 in N.E. T 30 N. S 2 in S.E. S 3 in S.W. and S 34 in N.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft dist. and raise a mound of earth 4 ft. base. 2 ft high. W of cor.
Land rolling.
Soil sandy 3rd rate.
No timber

N. 89° 59' E., bet. secs. 2 and 35;
Ascend gently rolling S.W. slope over sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground, for 1/4 sec. cor. marked on brass cap. 1/4 S 35 on N. half and S 2 on S. half. Dig pits 18 x 18 x 12 ins. E and W. of post 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. N. of cor.

80.00 Set an iron post 3 ft. long. 3 ins. in diam. 24 ins. in the ground for cor. of secs. 1. 2. 35 and 36. marked on brass cap, R 14 E in E half. T 31 N. S 36 in N.E. T 30 N. S 1 in S.E. S 2 in S.W. and S 35 in N.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor..
Land rolling.
Soil sandy 3rd rate.
No timber

North boundary of Twp 30 N R 14 E. BOOK 2571

Chains

N. 89° 59' E., bet. secs. 1 and 36;
Ascend S.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

37.50 Pass S. sand ridge bears N. and S. desc.

39.00 Enter scattering cedar timber bears N and S

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 36 on N. half. and S1 on S. half., from which A Cedar 16 ins. in diam. bears N 59° E 102 lks. dist. marked 1/4 S 36 B.T.
A cedar 6 ins. in diam. bears S 9 1/2° E 50 lks. dist. marked 1/4 S1 B.T.

43.00 Dry ravine 10 lks. wide Course S 45° W. asc.

52.00 Pass S. sand ridge bears N and S. desc.

72.50 Dry ravine 30 lks. wide Course South asc.

80.00 Intersect the Cor. of Twps. 30 and 31 N. Rs 14 and 15 E., described in Exterior Book "X."

Land rolling
Soil Sandy 3rd rate.
Timber Cedar.

November 17th 1910

Boundaries of T 30 N. R 14 E.
Latitudes Departures and Closing Errors.

Line Designated	True Bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W
South Boundary	S 89° 57' W	479.62		.42		479.62
West. Boundary	North	480.00	480.00			
North Boundary	N 89° 59' E	478.70	.14		478.70	
East Boundary	South	480.00		480.00		
Convergency					.52	
TOTALS			480.14	480.42	479.22	479.62
				480.14		479.22
		Error in Lat.		0.28		
				Error in Dep.		0.40

General Description

This township is rough and broken in the western and northeastern parts; rolling in the interior and northern parts with some level land near the South east cor. The soil over the greater portion of the township is

very sandy, and can nearly all be classified as 3rd rate,

The township is poorly watered, and poorly timbered with a scrub-cedar valuable only for fuel purposes.

The greater portion of the township is prairie land, and affords excellent pasture for stock.

The township should be surveyed

Sam L. White

November 17, 1910. U.S. Transitman

BOOK 2671 35 13

FINAL OATHS OF ~~DEPUTY SURVEYOR~~ U.S. TRANSITMAN AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Van L. White U.S. Transitman, ~~United States Deputy Surveyor,~~ to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of West and North Bdrys of Tp 30 N, R. 14 E of the G.&S.R. Base & Meridian, Arizona. showing the respective capacities in which they acted:

T. J. White, Chainman.
Oscar W Fetters, Chainman.
Ralph C Sampson, Moundman.
~~Moundman.~~
George B. Seig, Axman.
Nelson Polacca, Axman.
William R Carson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Van L. White U.S. Transitman, ~~United States Deputy Surveyor,~~ in surveying all those parts or portions of the West and North Bdrys of Tp. 30 N. R 14 E.

of the Gila and Salt River Base and Meridian, Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully ~~surveyed~~ executed and the corner monuments established, according to the instructions furnished by the ~~United States Surveyor General for~~ Commissioner of the General Land Office

T. J. White, Chainman.
Oscar W Fetters, Chainman.
Ralph C. Sampson, Moundman.
~~Moundman.~~
George B Seig, Axman.
Nelson Polacca, Axman.
William R Carson, Flagman.

Subscribed and sworn to before me this 30th day of November, 1910

SEAL

Van L. White
U.S. Transitman.

6—151

36
14

BOOK 2571

FINAL OATH OF ~~UNITED~~ ~~STATES~~ ~~DEPUTY SURVEYOR.~~ TRANSITMAN

I, Van L White U.S. Transitman, ~~United States Deputy Surveyor,~~ do solemnly swear that, in pursuance of ~~a contract~~ Special Instructions received from the Commissioner of the General ~~United States Surveyor General for~~ Land Office, bearing date of the 2nd day of Dec. 1907 ~~day of~~ and the 15th day of May, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ~~United States Surveyor~~ Commissioner of the General ~~for~~ Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the West and North boundaries of Township No. 30 North of Range No. 14 East

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear 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 ~~United States Surveyor~~ Commissioner of the General ~~for~~ Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Van L. White

~~United States Deputy Surveyor.~~ Transitman

Subscribed by said Van L. White, and sworn to before me this 27th day of December, 19 14

Lytton R. Taylor,
U.S. Commissioner
at Las Cruces, N. Mex.

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25, 1914

The foregoing field notes of the survey of the

West and North boundaries of

Township No. 30 North, Range No. 14 East of the
Gila and Salt River Base and Meridian, Arizona

executed by VAN. L. WHITE, U.S. Transitman, under Special Instructions from
~~executed by~~ the Commissioner of the General Land Office
~~under his contract No.~~ _____, dated October 2, 1907 and May 15, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank Ingalls
~~United States Surveyor General.~~
SURVEYOR-GENERAL OF ARIZONA

~~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.~~

~~United States Surveyor General.~~

6—151