Exterior

BOOK-X-

2551

FIELD NOTES

OF THE SURVEY OF THE

West, East and North boundaries of Tp. 30 North of Range No. 15 East.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED AS ~~SURVEYED~~ BY

Sidney E Blount, Examiner of Surveys, United States ~~Deputy Surveyor~~,

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

Survey commenced May 10th 11, 1909

Survey completed May 13th 11, 1909

6—151

22
(17)

BOOK 2551 NAMES AND DUTIES OF ASSISTANTS.

Van L. White	Compassman
Lafayette Jennings	Chainman
Chas L. Shumway	Chainman
Fred L. Warner	Roundman
Arthur A. Beard	Axman
Jay E. Jellick.	Flagman

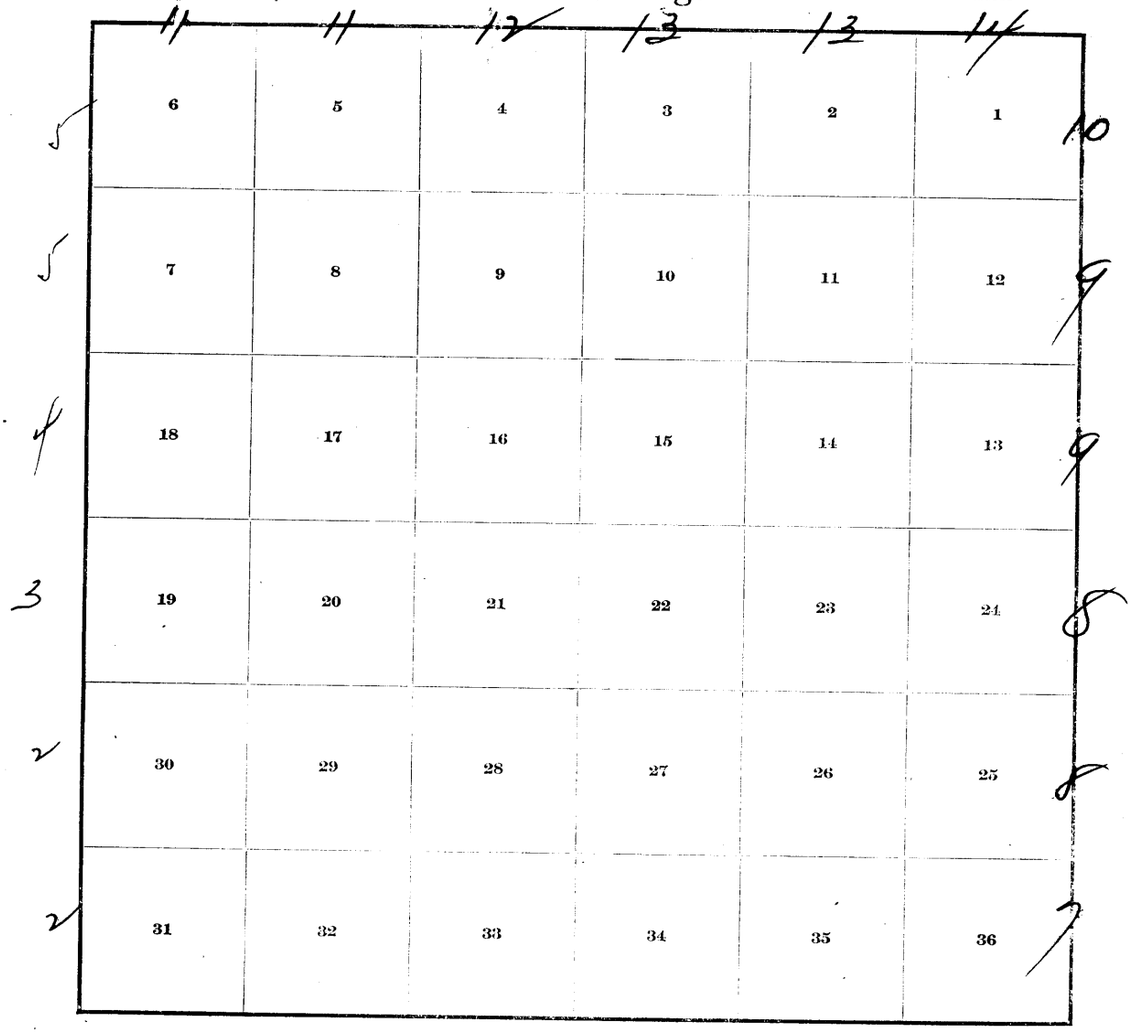
6—151

23
12

BOOK 2551

INDEX DIAGRAM.

Township No. 30 N., Range No. 15 E.



Meanders Page .....

6—151

24
1C
BOOK 2551

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
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—

_____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____
day of _____, 19

_____

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____
day of _____, 19

_____

SEAL

_____

WE, _____ and _____
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

_____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____
day of _____, 19

_____

SEAL

_____

I, _____, 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 _____

_____, *Flagman.*

Subscribed and sworn to before me this _____
day of _____, 19

_____

SEAL

_____

6—151

Survey Commenced May 10th 11 1909 and executed with a W[est] L.E. Gurley engineers transit No. 76 with a Burh Solar attachment, The horizontal limb is provided with one double vernier reading to single minutes of arc, the verniers of the latitude and decl. arcs reading to 0° 30" of arc. I examine the adjustments of the transit and correct the level and collimation error 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 determined by observation on Polaris I proceed as follows.

At my Camp which is located at the Cor. of secs. 16 17, 20 and 21, T 29 N. R 15 E. Latitude 35° 54' N. Longitude 110° 45' W. I set off 35° 54' N. on the lat. arc. 17° 40' N. on the decl. arc. and at 4h 00m p.m. l.m.t determine a meridian with the solar and mark a point there of by a nail driven in a stake set in the ground 5 chs. N of my instrument

At 7h 06m 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 nail driven in a stake set in the ground 5 chs N of my instrument

Astronomic time obs. May 10th 11		10h 06m
Equivalent to time May 9th		31h 06.
UC. Polaris May 1st 1909,	22h 46.5m	
Reduction to May 9th 11 Subtract	31 4	
UC. Polaris May 9th 11	22. 15 1	Subtract 22 15,1
Hour angle and Diff. arg. for Table VII		8, 51
Azimuth Polaris at Obs.		1° 02' W.

May 10th 11 1909

May 11th 11,1 1909 at 6h 30m 1,1 a.m. l.m.t I lay off the azimuth of Polaris 1° 02' to the east and mark the meridian thus determined by a nail driven in the stake already set 5 chs. N. of my instrument on which the meridian falls. 0.2 ins E of the point determined by the Solar

At 7h 00m a.m. 1,1 l.m.t I set off 35° 54' N. on the lat. arc 17° 50' on the decl. arc and determine a meridian

with the solar and mark a point thereof by a nail driven in the stake already set 5 chs. N. of my instruments, This point falls 0.4 ins E of the point determined by the Polaris observation
The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'10" W. and 0'20" east of the meridian determined by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory
I begin at the cor. of Tps 29 and 30 N. R's 14 and 15 E. which I established April 26th 1909, as described in Exterior Book "W" Latitude 35°56'41" N. Longitude 110°47'13" W.
At 9h 00m a.m., 1 m.t. I set off 35°56½' N. on the lat. arc 17°50½' N. on the decl. arc, and determine a meridian with the solar at this cor.;
Thence I run;

North, bet. secs. 31 and 36,
Over level 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 ¼ S 36 on W half and S 31 on E half.
Dig pits 18×18×12 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. 25, 30, 31 and 36 marked on brass cap T 30 N. on N half, R 14 E S 25 in N.W. R 15 E S 30 in N.E. S 31 in S.E. and S 36 in S.W. quadrant.
Dig pits 18×18×12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land level soil sandy 2nd and 3rd rate.
No timber

North, bet. secs 25 and 30,
Over level sandy land through sage and greasewood brush 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 ¼ S 25 on W half and S 30 on E half.

West ... boundary of Tp 30 N. R 15 E.

Chains 3

Dig pits 18 X 18 X 12 ins. N and S. of post. 3 fh. dist. and raise a mound of earth 3½ fh. base, 1½ fh. high W. of Cor.

42.00 Leave level land bear N.E and S.W., Enter rolling land bears N.E and S.W. Ascend gradually over S. slope.

80.00 Set an iron post 3 fh. 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. on N. half, R 14 E S 24 ins N.W. R 15 E S 19 ins N.E. S 30 ins S.E. and S 25 ins S.W. quadrants. Dig pits 18 X 18 X 12 ins. in each sec, 5½ fh. dist, and raise a mound of earth 4 fh. base, 2 fh. high W. of cor.

Land level and rolling.

Soil sandy 2nd and 3rd rate.

No timber

North, bet secs. 19 and 24,

Ascend SW. slope over rolling and hilly sandy land. through a cattery sage and greasewood brush undergrowth and bunch grass.

16.00 Top of sandridge bears N.W. and S.E. desc. over N.E. slope

30.00 Bottom of descent. leave hilly land bears N.W. and S.E. enter level land bears N.W. and S.E.

40.00 Set an iron post 3 fh. 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 18 X 18 X 12 ins. N and S. of post. 3 fh. dist. and raise a mound of earth 3½ fh. base, 1½ fh high W. of cor.

49.50 Leave level land bears N.W. and S.E., enter hilly land bears N.W. and S.E., ascend S.E. slope.

63.00 Top of sand ridge bears N.E and S.W. desc over N.W slope.

66.00 Bottom of descent in depression bears N.E. and S.W. drains to S.W. asc.

80.00 Set an iron post 3 fh long 3 ins. in diam. 24 ins. in the ground for Cor. of secs, 13, 18, 19 and 24. mkd. on brass Cap T 30 N. on N half R 14 E. S 13 ins N.W. R 15 E S 18 ins N.E. S 19 ins S.E. and S. 24 ins S.W. quadrants.

Dig pits 18 X 18 X 12 ins. in each sec. 5½ fh. dist. and

Chains	
	raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level rolling and hilly
	Soil sandy 2nd and 3rd rate
	No timber
NOTE:	At this cor. I set off 17°52' N. on the decl. arc and [illegible] at noon, observed the sun on the meridian the resulting latitude being 35°59' N.
	North, bet. secs. 13 and 18;
	Ascend S.W. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass
9.00	Top of adobe ridge bears N.W. and S.E. desc. N.E. slope
16.00	Dry ravine course S.E. asc. S.W. slope.
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 S13 on W. half and S18 on E. half.
	Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
40.25	Top of adobe ridge bears E. and W. desc.
42.75	Dry ravine course E. asc. S. slope.
75.00	Top of sand ridge bears N.W. and S.E. desc.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked on brass cap T30N. on N. half, R14E S12 in N.W., R15E S7 in N.E. S18 in S.E. and S13 in S.W. quadrant.
	Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor
	Land hilly,
	Soil sandy and adobe 2nd and 3rd rate.
	No timber

North, Bet. secs 7 and 12,
Descend N. E. slope over hilly sandy land through sage and greasewood brush underg rowth and bunch grass
0.75 Dig ranging Furrow N.W. & S.E. Steeply over S.W. slope
6.20 Top of Slope ascend ov S. edge of mesa bears N.W and S.E. Enter scattering pinion pine and cedar timber bears N.W. and S.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. From which.
A cedar 8 ins. in diam. bears N 39 3/4 E 120 lks. dist. marked 1/4 S 7 B.T.
A cedar 6 ins in diam bears N 79 3/4 W 117 lks. dist. marked 1/4 S 12 B.T.
43.75 Begin descend over sand stone ledge bears E. and W.
45.00 Foot of ledge bears Stony land bears E and W. Enter rolling sandy land bears E. and W.
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. on N. half. R 14 & 15 E. W. R 15 E S 6 in NE. S 7 in S.E. and S 12 in S.W. quadrant from which.
A cedar 12 ins in diam bears N 27° E 90 lks. dist. marked T 30 N. R 15 E S 6 B.T.
A cedar 14 ins. in diam bears N 1 1/2° W 206 lks. dist. marked T 30 N. R 14 E S. 1 B.T.
No other trees available.
Dig pits 24 x 24 x 12 ins. in each sec. S.E. and S.W. of post 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W of Cor.
Land rolling and hilly
Soil Sandy 3rd rate.
Timber scattering cedar and pinion pine.

North, bet. secs 1 and 6,
Descend N slope over rolling stony land through scattering pinion pine and cedar timber and sage brush underg rowth and bunch grass.
14.00 Begin steep descend over sand stone ledge, bears E. and W.
14.50 Foot of steep descend - desc gradually

30 BOOK 2551

West boundary of Ps 30 N. R15 E

6	Chains	
	40.00	Set an iron post 3ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S1 on W. half and 86 on E half., from which Cedar 6 ins. in diam. bears S63¾ E 36 lks. dist., marked ¼ S 6 B.T. Cedar 5 ins in diam bears S38½° W 146 lks. dist. marked ¼ S 1. B.T.
	58.00	Sand wash 100 lks. wide 6 ft. deep course N.W. and S.W. slope,
	80.00	Set an iron post 3ft. long 3 ins in diam. 24 ins in the ground for Cor. of Ps. 30 and 31 N. Rs 14 and 15 E. marked on brass cap T 31 N on N half. T 30 N. on S half. R14 E S36 in NW. R15E. S.31 in NE. R15E S6 in S.E. R14E S1 in S.W. quadrant. from which. Cedar 6 ins. in diam, bears N45° E 149 lks. dist. marked T 31 N R15E S 31 B.T. Cedar 5 ins. in diam bears S5° E 126 lks. dist. mked. T30 N R15E S6 B.T. Cedar 10 ins. in diam bears S41¼° W 94 lks. dist, marked T30 N R14E S1 B.T. and. Cedar 8 ins. in diam. bears N10¼° W. 73 lks. dist, marked T 31 N. R14E S 36 B.T. Land hilly, Soil sandy and stony 3rd and 4th rate. Timber pinon pine and cedar

May 11th 1909.

East boundary of Tp. 30 N. R 15 E

Colorado 7

Survey Commenced May 12th 1909, and executed with a W. & L.E. Gurley Engineers transit No. 76 with a Burt Solar attachment; the horizontal limb is provided with one double vernier reading to single minutes of arc. The verniers of the latitude and declination arcs reading to single minutes of arc. Examined the adjustments of the transit and found them to be perfect and know from recent tests of the solar apparatus by comparing its indications resulting from solar observations made on the sun during a.m. and p.m. hours with a meridian determined by observations on Polaris that it is in satisfactory adjustments, therefore, I began at the Cor. of Tps. 29 and 30 N, Rs 15 and 16 E, which I established April 8th 1909, as described in Exterior Book "W" Latitude 35° 56' 41" N, Longitude 110° 40' 48" W.

At 8h 00m a.m. L.m.L. I set off 35° 56½' N on the lat. arc 18° 06½' N on the decl. arc. and determined a meridian with the solar at the above Cor.,

Thence I run,

North, bet. secs. 31 and 36,

Ascend S. slope of rocky knoll over hilly land through scattering pinion pine and cedar timber

1.00 Pass top of knoll 20 ft. above Cor. desc. over N.W. slope.

8.00 Leave timber bears N.E. and S.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

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.

61.25 Dry sand wash. 75 lks wide Course W. asc. S. slope of sand ridge.

75.00 Pass top of sand ridge bears E and W. desc.

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. on N. half, R 15 E S 25 in N.W. R 16 E S 30 in N.E. S 31 in S.E. S 36 in S.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.

Sand hilly

East boundary of T. 30 N., R. 15 E.

Soil sandy and stony 2nd and 3rd rate,
Timber pinon pine and cedar

North, bet. secs. 25 and 30,
Descend N.W. slope over rolling sandy land through 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 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. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
57.00 Land rolling land bears N.E. and S.W. Entire level land bears N.E. and S.W.
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. on N. half. R 15 E S. 24 in N.W. R 16 E S. 19 in N.E. S 30 in S.E. and S. 25 in S.W. quad rank.
Dig pits 18 x 18 x 12 ins. in each. sec 5 1/2 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high W of cor.
Land level and rolling.
Soil sandy 2nd rate
No timber

North, bet. secs. 19 and 24,
Over level sandy land through 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 24 on W half and S 19 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 3 1/2 ft. base 1 1/2 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. 13, 18, 19 and 24 marked on brass cap. T 30 N. on N. half R 15 E S 13 in N.W.

R 16 E S. 18 in N.E. S 19 in S.E. and S. 24 in S.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 level.
Soil sandy 2nd rate.
No timber.

NOTE: At this Cor. Deck off 18° 01½' N now the decl. are. and at noon observed the sun on the meridian and obtained on the lab are a reading of 35° 59' N.

North, 4 chs. secs 13 and 18;
Over level sandy land through sage and greasewood brush undergrowth 3 ft. high.

29.85 Left bank of the De Nebeto Wash. bears N.E and S.W.
30.70 Right bank of the De Nebeto Wash bears N.E and S.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 13 on W Half and S 18 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
52.00 Level level land bears N.E. and S.W., Entirely stony land bears N.E and S.W. ascend steeply
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. on N half, R 15 E S 12 in N.W, R 16 E S 7 in N.E. S 18 in S.E and S 13 in S.W. quadrant
Raise a mound of stone 2 ft. base 1½ ft. high W of Cor. Pits impracticable
Land rolling level and hilly.
Soil sandy and stony 3rd and 4th rate.
No timber

North, 4 chs. secs. 7 and 12;
Ascend a high rocky S. slope over hilly land through sage and greasewood brush undergrowth

34

BOOK 2551

10 Chains

East Boundary of Tp 30 N., R 15 E

7.26 Post of high ridge bears E and W. dec. on N.E. slope.

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 3 1/2 ft. base, 1 1/2 ft. high W of cor.

43.00 Point of descent in depression bears N.E and S.W. drains to the N.E. acc.

55.00 Post of ridge bears E and W. dec

64.00 Depression bears N.E and S.W., drains to N.E. acc

79.00 Post of adobe ridge bears NE and S.W. dec.

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. on N half, R 15 E. S 1 in N.W. R 16 E S 6 in N.E. S 7 in S.E. and S 12 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec 5 1/2 ft. dist. 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

North, 6 ch. secs. 1 and 6,
Ground N.E. slope over hilly sandy and stony land through sage and greasewood brush undergrowth

0.15 Dry Arroyo Course N.E. acc.

1.00 Post of adobe ridge bears N.E and S.W.

5.75 Road bears N.W. and S.E.

6.00 Point descent in depression bears N.W. and S.E. drains to S.E. acc. Enter scattering Cedar timber bears N.W and S.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 1 on W half and S 6 on E half from which,
A pinion 6 ins. in diam bears S 21 3/4° E 29 lks. dist. marked 1/4 S 6 B.T.
A Cedar 16 ins. in diam. bears S 44 1/2° W 86 lks dist. marked 1/4 S 1 B.T.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins

in the ground for cor. of Ps 29, 30 and 31 N. Rs 14 and 16 E. marked on brass Cap T 31 N on N half T 30 N. on S half. R 15 E S 36 in N.W. R 16 E S 31 in N.E. R 16 E S 6 in S.E. and R 15 E S 1 in S.W. quadrant from which,

A pinion pine 10 ins in diam. bears N 82° E 107 lks. dist. marked T 31 N. R 16 E S 31 B.T.

A pinion pine 8 ins in diam bears S 54½° E 174 lks. dist. marked T 30 N. R 16 E S 6 B.T.

A cedar 10 ins in diam bears S 27¾° W. 201 lks dist. marked T 30 N R 15 E S 1. B.T. and

A cedar 8 ins. in diam. bears N 85½° W 85 lks. dist., marked T 31 N. R 15 E S 36 B.T.

Land hilly.

Soil sandy, adobe and stony 3rd and 4th rate.

Timber pinion pine and cedar.

May 12th 1909

North boundary of Pp. 30 N. R 15 E

12 Columbia

May 13th 11 1909. Ah. 6h. 55m a.m. l.m.t. I set Hf. 36° 02' N. on the lab arc. 18° 20½' N. on the decl. arc and determined a meridian with the solar ah the cor. of Pps. 30 and 31 N. R's 15 and 16 E., hereinbefore described Thence I run,

West, on a random line, along the N. bdry of Pp. 30 N. R 15 E; setting temp. ¼ sec. and sec. cor. ah. intervals of 40.00 chs.; and ah 478.45 chs. I intersect the W. bdry of Pp. 12 lks N. of the cor. of Pps 30 and 31 N. R's 14 and 15 E. which I established May 11th 1909. as hereinbefore described,

The following answers to a correction of 0° 01' or 2 lks. S. per mile counting from the N.E. cor of the Pp.; Therefore I run,

N. 89° 59' E., beh. secs 6 and 31, marking and blazing true line. Ground S.W. slope over rolling sandy land through pasture pine and cedar timber and scattering balsam and greasewood brush undergrowth and bunch grass.

38.45 Set an iron post. 3ft. long 1 in in diam, 26 ins in the ground for ¼ sec. cor. marked on brass Cap ¼ S 31 on N. half and S 6 on S half, from which.

A cedar 14 ins. in diam. bears N 25° W 120 lks. dist mkd. 1/4 S 31 B.T.

A cedar 12 ins. in diam. bears S 20¼° E 160 lks dist. mkd ¼ S 6 B.T.

NOTE:- Ah this cor. I set Hf 18° 22⅓' N. on the decl arc and ah noon when the sun on the meridian and obtained on the lab arc a reading of 36° 02' N. nearly

54.00 Pps of ascent bears N.W. and S.E., thence over rolling land slopes to N.

78.45 Set an iron post. 3ft. long 3 ins. in diam 24 ins. in the ground for cor. of secs. 5, 6, 31 and 32. marked on brass Cap R 15 E on E half T 31 N 3 2 ins N.E. T 30 N. 3 5 ins S.E. S 6 in S.W. and 3 1 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. No trees within limits.

Land rolling and hilly.

Soil sandy and stony 3rd rate.

Timber pasture pine and cedar.

N. 89° 59' E, beh. secs. 5 and 32,

North boundary of Pt. 30 N. R15 E

13

Chains	
	Over rolling sandy land sloped to N. through scattering scrub cedar and pinion pine timber and sage and greasewood brush undergrowth
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 32 on N. half and 33 on S half.
	No trees available.
	Dig pit 18 X 18 X 12 ins. East 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. 4, 5, 32 and 33 marked on brass cap R15E on E half, T31 N S 33 in N.E. T30 N, S 4 in S.E. S5 in S.W. and S 32 in N.W. quadrants. from which.
	A cedar 6 ins. in diam bears N71¾° E 214 lks. dist. mkd. T31 N. R15E S 33 B.T.
	A cedar 5 ins. in diam, bears S36° E 128 lks dist. mkd. T30 N R15E S4 B.T.
	A cedar 6 ins. in diam, bears S33½° W lks dist. mkd T30 N. R15E S 5 B.T.
	No other trees available.
	Dig pit 36 X 36 X 12 ins in Sec 32. 5½ ft dist. and raise a mound of earth 4 ft. base, 2 ft high W. of cor.
	Land rolling
	Soil sandy 3rd rate.
	Timber pinion pine and cedar

	N. 89° 59' E., bet. Secs 4 and 33,
	Ascend gently over N.W. slope over rolling sandy land through scattering pinion pine and cedar timber and scattering sage brush undergrowth.
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 33 on N. half and S 4 on S half., from which.
	A cedar 6 ins. in diam bears N9½° E 283 lks. dist marked ¼ S 33 B.T.
	A cedar 10 ins. in diam, bears S11¼° E 275 lks dist, marked ¼ S 4 B.T.
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

Chains North boundary of Tp 30 N. R 15 E

	on brass cap R15E on E half. T 31 N. S 34 in NE. T 30 N. S 3 in S.E. S 4 in S.W. and S 33 in N.W. quadrants from which.
	A cedar 5 ins. in diam bears N 87¼° E 427 lks. dist. mkd T 31 N. R 15 E S 34 B.T.
	A cedar 6 ins. in diam. bears S 59¾° E 93 lks. dist mkd T 30 N. R 15 E S 3 B.T.
	A cedar 8 ins. in diam. bears S 52° W 202 lks. dist. mkd T 30 N. R 15 E S 4 B.T. and
	A cedar 8 ins in diam bears N 46¾° W 61 lks dist, mkd T 31 N R 15 E S 33 B.T.
	Land rolling
	Soil sandy 3rd rate.
	Timber pinon pine and cedar
	N. 89° 59' E., Sch. Secs 3 and 34,
	Over rolling sandy land. slope to N.E. through scattering pinion pine and cedar timber and scattering sage and greasewood brush undergrowth.
10.00	Lose timber bears N and S.
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. 34 on N. half and S, 3 on S half.
	Dig pits 18 x 18 x 12 ins. East W of post. 3 ft. dist, and raise a mound of earth 3 ft. base 1½ ft. high. N. of cor
65.00	Root of decush in depression bears N and S. drains N.
	ascend gradually over W. slope.
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 R15E on E half. T 31 N S 35 in NE. 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.
	Timber pinion pine and cedar
	N. 89° 59' E., Sch. secs, 2 and 35,
	ascend gently over N.W. slope over rolling sandy land

North boundary of Ns 30 N, R 15 E.

Chains		
		15
	through sage and greasewood brush undergrowth and bunch grass,	
2.30	Road to Tuba Arizona, bears N.W. and S.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 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 3 1/2 ft base, 1 1/2 ft. high N. of cor.	
48.00	Enter scattering pinion pine and cedar timber bears N and S.	
55.00	Top of ridge bears N and S. desc. E slope.	
77.40	Begin through descend over land above ledged bears N.W. and S.E.	
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 15 E on 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 from which.	
	A cedar 10 ins in diam bears N. 75° E 258 lks. dist. marked T 31 N, R 15 E S 36 B.T.	
	A Cedar 5 ins. in diam bears S 26 3/4° E 218 lks. dist. marked T 30 N. R 15 E S 1 B.T.	
	A cedar 6 ins. in diam bears S 76 1/2° W 94 lks. dist. marked T 30 N. R 15 E S 2 B.T.	
	A cedar 14 ins in diam. bears N 46° W 168 lks. dist marked T 31 N R 15 E S. 35 B.T.	
	Land rolling and hilly.	
	Soil sandy and stony 3rd and 4th rate.	
	Timber pinion pine and cedar	
	N. 89° 59' E., bet. secs. 1 and 36,	
	Descend over S.E. slope over hilly stony land through scattering pinion pine and cedar timber and scattering sage and greasewood brush undergrowth. and bunch grass,	
29.75	Old road to Tuba, Arizona bears N.W. and S E	
33.00	Dry ravine Course S.E. asc. S.W. slope.	
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 S 1 on S half. from which.	
	A cedar 10 ins in diam. bears N 50 1/2° W 54 lks. dist marked 1/4 S 36 B.T.	

North boundary of Twp 30 N, R 15 E

16 Chains

A cedar 14 ins. in diam, bears S 7° 3/4 W, 20 lks. dist. marked 1/4 S 1 B.T.

58.00 Dry ravine Course S. arc.

80.00 Intersect the Cor. of Twps 30 and 31 N, Rs 15 and 16 E., hereinbefore described.

Land hilly -

Soil sandy and stony 3rd and 4th rate.

Timber pine and cedar.

May 13th 1909

Boundaries of Tp 30 N. R 15 E.
Latitudes Departures and Closing Errors.

Line Designated	True Bearing	True Distance	Latitudes		Departures	
			N	S	E	W
		Chs	Chs	Chs	Chs	Chs
South Boundary	West.	479.14				479.14
West Boundary	North	480.00	480.00			
North Boundary	N 89° 59' E	478.45	0.14		478.45	
East Boundary	South	480.00		480.00		
Convergency					0.51	
TOTALS			480.14	480.00	478.96	479.14
			480.00			478.96
		Error in Lat	0.14	Error in Dep		0.18

General Description

This township is hilly and mountainous in the northern part - rolling and level in the southern part; The greater portion of the township is prairie land still there is some good farming land along the De Nebets Wash.

The township is poorly watered, but fairly well timbered over the rough hilly and mountainous portions.

The township should be subdivided.

Sidney E Blouh
Examiner of Surveys

NOTE Final Affidavits in book Y. of Exteriors.

41
17

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

BOOK 2551

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E Blouh Examiner of Surveys, ~~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 the West, East and North bdrys. of Tp No. 30 N. R. No. 15 East of the Gila and Salt River Base and Meridian in the Territory of Arizona showing the respective capacities in which they acted:

Van L. White Compassman

Lafayette Jennings, Chainman.

Chas L. Shumway, Chainman.

Fred L. Warner, Moundman.

_____, Moundman.

Arthur A Beard, Axman.

_____, Axman.

Jay E Jellick, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all those parts or portions of the _____

_____ of the _____ meridian, _____ of _____, 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, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for _____

Exterior Book "Y"

_____, Chainman.

_____, Chainman.

_____, Moundman.

_____, Moundman.

_____, Axman.

_____, Axman.

_____, Flagman.

Subscribed and sworn to before me this _____ day of _____, 19

_____

6-151

BOOK 42 2551
18

FINAL OATH OF ~~UNITED~~ ~~STATES~~ EXAMINER OF SURVEYS ~~DEPUTY SURVEYOR~~.

I, Sidney E. Blout, United States ~~Deputy Surveyor~~ Examiner of Surveys, do solemnly swear that, in pursuance of ~~a contract~~ Special Instructions received from the Commissioner of the ~~United States Surveyor~~ General ~~for~~ Land Office bearing dates of the 2nd day of Oct. ~~day of~~ 1907 and 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 Commissioner of the ~~United States Surveyor~~ General ~~for~~ Land Office, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the

East, West and North boundaries of
Township No. 30 North, Range No. 15 East

of the Gila & Salt River Base & 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 Commissioner of the ~~United States Surveyor~~ 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.

United States ~~Deputy Surveyor.~~ Examiner of Surveys.

Subscribed by said Sidney E. Blout, and sworn to before me this ____ day of ____, 19

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, APR 25 1914

The foregoing field notes of the survey of the

East, West and North boundaries of

Township No. 30 North - Range No. 15 East of the
Gila and Salt River Base and Meridian, Arizona

executed by Sidney E. Blout — U.S. Examiner of Surveys
under ~~his contract No.~~ Special Instructions from the Commissioner of the General Land Office, dated October 2, 1907 and May 15, 1908, ~~19~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A. 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