

Exterior
BOOK-R-

2545

MAR 28 1911

BOOK 2545

FIELD NOTES

OF THE SURVEY OF THE

*East and North boundaries of
Twp 29 N. R 19 East*

Of the *Gila and Salt River Basal* and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Widney E. Blout, United States ^{Examined of Surveys} ~~Deputy Surveyor~~

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

Survey commenced *February 1st*, 1907

Survey completed *February 3rd*, 1907

NAMES AND DUTIES OF ASSISTANTS.

Wm L. White Comptroller

Jay E. Jellick Chairman

Lafayette Jennings Chairman

Arthur A. Beard Chairman

Fred L. Warner Moundman

Chas L. Shumway Axman

Harvey Lake Hoy Plagman

BOOK 2545

INDEX DIAGRAM.

Township *29 North*, Range *19 East*

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

Meanders Page _____

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, 190 }



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, 190 }



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, 190 }



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, 190 }



See Exterior Book "P"

Chains

Survey Commenced February 1st 1909. and executed with a W and L. E. Gurley Engineer transit No. 76 with a Bush 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 0' 30" of arc.

I examined the adjustments of the transit and find them to be perfect. and knowing from recent tests of 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 that it is in satisfactory adjustments. I began at the Standard Corner of Twp 29 N. R 19 and 20 East, which established October 26, 1908. Latitude $35^{\circ} 51' 28''$ N. Longitude $110^{\circ} 15' 08''$ W.

Feb. 1st 1909 at 8^h 30^m a.m. Sun. Set off $35^{\circ} 51\frac{1}{2}'$ N. the lat. arc. $17^{\circ} 07'$ S. on the decl. arc and determine a meridian with the solar at this cor.

Thence I run,

With, Feb. sec 31 and 36,

Descend N.W. slope over rolling sandy land through scattering cedar timber and bunch grass.

40.00 The point for the $\frac{1}{4}$ sec. cor. falls in the bed of dry ravine course N.E. where natural causes would insure the destruction of a cor. therefore I continue my line

44.50 Set an iron post 3 ft. long. 1 in. in diam. 26 ins. in the ground for witness cor. to the $\frac{1}{4}$ sec. cor. marked on brass cap. T 29 N. on N. half. R 19 E. S 36 on W half. R 20 E S. 31 on E half. W.C. $\frac{1}{4}$ on S. half., from which a cedar 20 ins. in diam bears $76\frac{3}{4}^{\circ}$ E 58 lbs. dist. mkd. W.C. $\frac{1}{4}$ S. 31 B.T.

A pinon pine 8 ins. in diam. bears $512\frac{1}{2}^{\circ}$ W 193 lbs. dist, mkd. W.C. $\frac{1}{4}$ S. 36 B.T.

45.50 North edge of mesa bears N.W. and S.E., leave rolling sandy land bear N.W. and S.E. descend abrupt rocky N.E. slope of mesa over mountainous land bear N.W. and S.E.

5.2.00 Foot of abrupt rocky descent leave mountainous

land bears N.W. and S.E., Enter hilly sandy land
bears NW and S.E.

64.50 Dry ravine Course N.E. Arc. sand ridge.

68.50 Top of sand ridge bears N.E. and S.W. desc.

72.00 Dry ravine Course East. around.

80.00 Set an iron post 3 ft. long. 3 ins. in diam. 24
ins. in the ground for cor. of sec. 25, 30, 31 and 36
marked on base Cap. T 29 N. on N. half, R 19 E S 25
in NW. R 20 E S 30 in N.E. S 31 in S.E. and S 36
in SW. quadrants, from which.

A cedar 8 ins. in diam bears N 18° E 27 lbs. dist.
marked T 29 N. R 20 E S 30 B.T.

A cedar 9 ins. in diam bears S 66½° E 214 lbs. dist.
marked T 29 N. R 20 E S 31 B.T.

A cedar 12 ins. in diam bears S 11½° W 109 lbs. dist.
marked T 29 N. R 19 E. S 36 B.T.

A cedar 8 ins. in diam bears N 37½° W 112 lbs.
dist. marked T 29 N. R 19 E S 25 B.T.

Land rolling hilly and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedars.

Mountainous land. 6.50 Chs.

North, between sec. 25 and 30,
Over hilly sandy land through scattering
cedar timber and bunch grass.

13.30 Dry ravine Course E. arc ridge.

15.00 Top of sand ridge bears East W. desc.

31.00 Dry ravine Course E. arc.

33.00 Top of ridge bears E and W. desc.

40.00 Set an iron post 3 ft. long. 1 in. in diam. 26 ins.
in the ground for ¼ sec. Cor. marked on base
Cap. ¼ S 25 on W. half and S 30 on E half.
from which.

A pine 8 ins. in diam. bears S 8½° E 140 lbs.
dist. marked ¼ S 30 B.T.

A cedar 10 ins. in diam. bears S 64½° W 77 lbs.
dist. marked ¼ S 25. B.T.

42.00 Dry ravine Course E. arc.

Chains

- 48.50 Top of ridge bears E and W. desc.
- 57.75 Dry ravine Course E. asc.
- 64.50 Top of sand ridge bears E and W. desc.
- 66.25 Road to Placea Ariz bears N.E. and S.W.
- 80.00 Set an iron post. 3ft. long. 3ins. in diam. 24 ins. in the ground for cor. of sec. 19, 24, 25 and 30 marked on bear Cap. T₂₉N. on N. half. R₁₉E S₂₄ in N.W. R₂₀E S₁₉ in N.E. S 30 in, S E and S 25 in S.W. quadrant; from which.
- A cedar 14 ins. in diam, bears N 87 $\frac{1}{4}$ ° E 52 lbs. dist, marked T₂₉N. R₂₀E S₁₉ B.T.
- A cedar 8 ins. in diam, bears S 8 $\frac{3}{4}$ ° W 75 lbs dist marked T₂₉N. R₁₉E. S₂₅ B.T.
- A cedar 8 ins. in diam. bears N 67 $\frac{1}{2}$ ° W 80 lbs. dist, marked T₂₉N. R₁₉E. S. 24 B.T.
- No other trees available.

Dig pit 36x36x12 ins. in sec 30. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4ft. base, 2ft. high W. of cor.

Land hilly.

Soil sandy 3rd rate.

Timber pinion pine and cedar.

NOTE. On this cor. I set off 17° 05' S. on the decl. arc and at noon observed the sun on the meridian and obtained on the lat. arc a reading of 36° 53' N. for the latitude of this place.

North, bet. sec. 19 and 24,

Descend N.W. slope over hilly sandy land through scattering cedar timber and bunch grass.

- 1.00 Dry ravine. Course E. asc.
- 8.00 Bear timber bears E and W.
- 18.00 Top of sand ridge bears E and W. desc.
- 40.00 Set an iron post. 3ft. long 1 in in diam. 26 ins. in the ground for 1/4 sec. cor. mk'd on bear Cap. 1/4 S. 24 on W. half and S 19 on E half.
- Dig pits 18x18x12 ins. N. and S. of post. 3ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cor.
- 50.00 Top of dune. bears hilly land, bears N.W. and

S.E., enter level bottom land 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. 13, 18, 19 and 24, marked on brass cap. T 29 N. on N. half. R19 E S. 13 in N.W. R20 E S 18 in N.E. S 19 in S.E. and S. 24 in S.W. quadrants. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia, and raised mound of earth 4 ft. base 2 ft. high W. of cor. Land level and hilly. Soil sandy 2nd and 3rd rate. Timber Cedar.

North, bet. secs. 13 and 18,

Creek level sandy bottom 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 1/4 sec. cor. marked on brass cap. 1/4 S 13 on W. half. and S 18 on E. half. Dig pits 18x18x12 ins. N and S. of post, 3 ft. dia, and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

46.25 Center of the Placca Wash 100 lbs. wide 12 ft. deep. Course S.W.

55.00 Dry ravine 50 lbs. wide 10 ft. deep. Course S.E.

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. mkd. on brass cap T 29 N. on N. half. R19 E. S 12 in N.W. R20 E S 7 in N.E. S 18 in S.E. and S 13 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia, and raised mound of earth 4 ft. base, 2 ft. high W. of cor.

Land level.

Soil sandy and adobe 2nd rate.

No timber.

North, bet. secs. 7 and 12,

Ariseid S.E. slope over hilly sandy land through sage brush and bunch grass.

Chains

- 15.00 Leave hilly land toward N.E. and S.W., ascend abruptly rocky S.E. slope over mountainous land toward N.E. and S.W.; enter scattering cedar timber toward N.E. and S.W.
- 24.00 Top of ascent on S edge of mesa toward N.E. and S.W. Leave mountainous land toward N.E. and S.W. Enter rolling sandy mesa land toward N.E. and S.W. ascend S slope.
- 35.00 Leave timber toward N.E. and S.W.
- 38.50 Top of mesa toward N.E. and S.W. descend gradually over N.W. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ 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. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.
- 50.00 North edge of mesa, leave rolling land toward N.W. and S.E. descend abruptly rocky N.W. slope over mountainous land toward N.W. and S.E.
- 56.00 Foot of abrupt descent, leave mountainous land toward N.W. and S.E. enter hilly land toward 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 sec. 1, 6, 7 and 12, marked on brass cap. T 29 N. on N. half. R 19 E. S 1 in N.W., R 20 E S 6 in N.E., S 7 in S.E. and S 12 in S.W. quadrant, from which
A pine tree 16 ins. in diam. toward N 80° W 116 lbs. dia. marked T 29 N. R 19 E S 1 B.T.
No other trees available.
Dig pits 24 x 18 x 12 ins in each sec N.E. S.E. and S.W. of post 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land hilly rolling and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber scattering Cedars.
Mountainous land. 15.00 ch.

February 1st 19091909
February 2nd Ch. 8th 00 am. l.m.t. D. Sch

East boundary of Twp 29 N, R 19 E.

- off $35^{\circ} 56' N$. on the lat. arc. $16^{\circ} 50' S$. on the decl.
 arc, and determine a meridian with the
 solar ab. the cor. of sees, 1, 6, 7 and 12,
 three & run, above described,
- North, bet. sees 1 and 6;
 descend n.w. slope over hilly sandy land
 through sage brush and bunch grass,
 1.50 Dry ravine course n.e. asc.
 10.50 Top of sand ridge bears E. and W. desc.
 13.50 Dry ravine course E. asc.
 17.00 Top of sand ridge bears E. and W.
 26.00 Bottom of depression bears E. and W. drains
 to each. asc.
 28.00 Leave hilly land bears E. and W. ascend steep
 rocky S. slope of mesa over mountainous
 land bears E. and W.
 33.25 Top of abrupt ascent on S. edge of mesa
 leave mountainous land bears E. and W.
 Enter rolling sandy mesa land bears
 E. and W.
 34.00 Enter scattering cedar timber bears E.
 and W.
 40.00 Set an iron post. 3 ft. long, 1 in. in diam.
 26 ins. in the ground for $\frac{1}{4}$ sec. cor. mkd.
 on brass cap $\frac{1}{4}$ S 1 on W half and $\frac{3}{4}$ on
 E half. from which
 A pinion pine 6 ins. in diam bears $S 72\frac{1}{4} E$.
 55 lbs. dist. marked $\frac{1}{4}$ S 6 B.T.
 A pinion pine 12 ins. in diam, bears
 $N. 88^{\circ} W$ 104 lbs. dist. mkd. $\frac{1}{4}$ S 1 B.T.
- 44.00 Leave timber 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 Twp. 29 and 30
 N. R's 19 and 20 E. marked T 30 N. on N.
 half. T 29 N on S half, R 19 E. S 36 in N.W.
 R 20 E S 31 in N.E. R 20 E S 6 in S.E. R 19 E S 1
 in S.W. quadrants.
 Dig pits $24 \times 24 \times 12$ ins. on line N.E. and
 W. of post. 8 ft. dist. and
 raise a mound of earth 5 ft. long 2 1/2
 ft. high S. of cor.
 Land rolling and mountainous.

East boundary of *N. 29 N. R. 19 E.*

Chains

Soil sandy and stony. 3rd and 4th rate.
Timber fir, pine and cedar
Mountainous land .5.28 chs.

February 2nd 1909
f

North boundary of Twp. 29 N. R 19 E.

8

Chauss

Feb 2nd 1909. Ab. 9^h 30^m a.m. I set off. $35^{\circ} 56\frac{1}{2}' N.$
on the lab. arc, $16^{\circ} 50' S.$ on the decl. arc and determined
a meridian with the solar ab. the Cor. of Twp. 29 and
30 N. R's 19 and 20 E, just estab. & described by me.
Thence I run,

West, on a random line, along the north boundary
of Twp. 29 N. R 19 E. setting temp. $\frac{1}{4}$ sec. and sec.
covs. at intervals of 40.00 chs.

NOTE: - On the temp $\frac{1}{4}$ sec. Cor. bet. sec. 2 and 33. I set
off $16^{\circ} 48' S.$ on the decl. arc and at 12^{noon} observe the sun on the meridian and obtain
on the lab. arc a reading of $35^{\circ} 56\frac{1}{2}' N.$ -
On the temp. Cor. of sec. 4, 5, 32 and 33. I discontinue
field work on this day.

Feb 2nd 1909

¹⁹⁰⁹
Feb. 3rd Ab. 8^h 14^m a.m. l.m.l. I set off. $35^{\circ} 56\frac{1}{2}' N.$
on the lab. arc, $16^{\circ} 32' S.$ on the decl. arc and
determine a meridian with the solar ab. the
temp. Cor. of sec. 4, 5, 32 and 33.

Thence I continue my random line,
West, along the N. Side of Twp. 29 N. R 19 E. and
at 479.35 chs. intersect N. and S. line 24 chs.

N. of the Cor. of Twp. 29 and 30 N. R's 18 and 19 E.
which I established January 15th 1909, as described
in Exterior Book "2"
The falling answers to a correction of $0^{\circ} 02'$ or 4 chs.
S. per mile counting from the N.E. Cor. of the Twp.;
therefore I run,

N. $89^{\circ} 58' E.$, bet. sec. 6 and 31, marking and
blazing true line,

Over rolling sandy land through sage brush
and bunch grass

21.00 Top of rock ledge 20 ft. high bears N and S. descend
abruptly.

25.00 Foot of descent. bear stony land bears N and S.
Enter level bottom land bears N and S.

32.00 Dry ravine 80 chs. wide, banks 15 ft. high.
Course $S 50^{\circ} W.$

39.35 Set an iron post 3 ft. long 1 in. in diam., 26 ins.
in the ground for $\frac{1}{2}$ true cor. marked on bear
Cap $\frac{1}{4}$ S 31 on N. half and S 6. on S half
Dig pits 18x18x12 ins E and W. of post. 3 ft. dia.

North boundary of T₂₉N, R₁₉E

Chain

9

- and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high
N. of cor.
- 43.00 Leave level bottom land bears N. and S.. Ascend W
slope over rock ledges. bears N. and S.
- 46.00 Top of ridge bears N. and S. descend steeply.
- 52.00 Rock ledge 25 ft. high bears N. and S. desc.
- 54.00 Foot of steep descent. leave stony hilly land bears
N. and S.. Enter level bottom land bears N. and S.
- 60.75 Wood road bears N.E. and S.W.
- 68.00 Leave level land bears N. and S. ascend steep
rocky W. slope of mesa over mountainous land
through scattering pinion pine and cedar timber.
bears N. and S.
- 79.35 Set an iron post 3 ft. long. 3 in. in diam. 24 in.
in the ground for cor. of sec. 5, 6, 31 and 32.
marked out bears cap., R₁₉E on E half. T₃₀N. S₃₂
in N.E. T₂₉N. S₅ in S.E. S₆ in S.W. and S₃₁ in N.W.
quadrant. From which.
- A cedar 8 in. in diam. bears N₅₃ $\frac{1}{2}$ °E 48 lks. dist. mkd.
T₃₀N. R₁₉E S₃₂ B.T.
- A cedar 5 in. in diam bears S₄₉ $\frac{1}{2}$ °E 24 lks. dist. mkd. T₂₉N. R₁₉E
S₅ B.T.
- A pinion pine 10 in. in diam. bears S₇₀°W 61 lks. dist. mkd.
T₂₉N. R₁₉E S₆ B.T. and, A pinion pine 8 in. in diam
bears N₇₄°W 149 lks. dist. mkd. T₃₀N. R₁₉E S₃₁ B.T.
- Land level rolling hilly and mountainous.
Soil sandy and stony 2nd 3rd and 4th rate,
Timber pinion pine and cedar,
mountainous land 11.65 ch.
-
- N. 89° 58' E., bet. sec. 5 and 32.
- Ascend West slope of mesa over stony mountainous
land, through scattering cedar timber and
sage brush undergrowth
- 23.00 Top of rocky ascent on west edge of mesa
leave mountainous land and timber bears
N. and S. enter rolling sandy land bears N. and
S., ascend gradually over W. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in.
in the ground for a sec. cor. marked out

North boundary of T₂₉ N. R₁₉ E.

10 Chains

brass cap $\frac{1}{4}$ S 32 on N half. and S 5 on S half
 Dig pits 18x18x12 ins. E and W. of post.
 3 ft. dia. and raise a mound of earth
 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.

80.00 See 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. R₁₉ E. on E. half. T₃₀ N. S 33 in N.E., T₂₉
 N. S. 4 in S.E. S 5 in S.W. and S 32 in N.W. quadrant.
 Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia.
 and raise a mound of earth 4 ft. base 2 ft.
 high W. of cor.

Land rolling.

Soil sandy 3rd rate.

Timber Spruce pine and cedar.

N. 89° 58' E., bet. secs. 4 and 33,

Ascend W. slope over rolling sandy land through
 sage brush undergrowth and bunch grass.

13.00 Enter scattering cedar timber bears N and S.

30.00 Leave timber bears N.E. and S.W.

40.00 See an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ S 33 on N half. and S 4 on S half.
 Dig pits 18x18x12 ins. E and W. of post. 3 ft. dia.
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft.
 high N. of cor.

NOTE At this cor. I set off 16° 30' S on the decl. arc,
 and at 12 noon observed the sun on the
 meridian the resulting latitude being 35° 57' N.

45.00 Enter scattering cedar timber bears N and S.

53.50 Road bears N and S. leads to Now Placca's ranch

68.00 Top of high divide bears N.E. and S.W. descend S.E.
 slope.

80.00 See 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. R₁₉ E. on E half.
 T₃₀ N. S 34 in N.E. T₂₉ N. S 3 in S.E. S 4 in S.W.

Chains

and S 33 in N.W. quadrant.

No trees suitable for bearing trees within limits

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist.

and raise a mound of earth 4 ft. tall, 2 ft.

high W. of cor.

Land rolling.

Soil sandy 2nd and 3rd rate.

Timber Cedar.

N 89° 58' E, bet. sec. 3 and 34,

Descend S.E. slope over rolling sandy land through scattering Cedar timber and bunch grass.

24.00 Dry ravine course S. 10° W. asc gradually over

S.W. slope.

33.00 Good beans 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 base

cap 1/4 S 34 on N. half, and S 30 on S half.

No trees available

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dist.

and raise a mound of earth 3 1/2 ft. tall, 1 1/2

ft. high N. of cor.

69.00 Top of ridge from N and S. desc gradually over

E. slope.

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

in the ground for cor. Secs. 2, 3, 34 and 35

marked on base cap. T 29 N, R 19 E on E half, T 30 N,

S 35 in N.E. T 29 N S 2 in S.E. S 3 in S.W. and S 34

in N.W. quadrant, from which,

A cedar 10 ins. in diam. from N 52 1/4° E 378 lks. dist. marked

T 30 N, R 19 E S. 35 B.T.

A cedar 16 ins. in diam. from S 70 3/4° E 218 lks. dist.

marked T 29 N, R 19 E S. 2 B.T.

A prairie pine 16 ins. in diam. from S 32 1/4° W 265 lks. dist.

marked T 29 N, R 19 E S. 3 B.T.

A cedar 8 ins. in diam. from N 53 3/4° W 166 lks. dist. marked

T 30 N, R 19 E S. 34 B.T.

Land rolling.

Soil sandy 2nd and 3rd rate.

Timber prairie pine and cedar.

North boundary of Twp 29 N. R 19 E

- N. 89° 58' E., bet. sec 2 and 35,
 Descend S.E. slope over rolling sandy land
 through scattering cedar timber and bunch grass.
- 2.00 Dry ravine course SW. ascend N.W. slope.
- 5.00 Enter heavy timber land N.E. and S.W.
- 10.00 Top of sand ridge land N.E. and S.W. desc.
- 20.00 Leave timber land N. and S.
- 40.00 Set an iron post. 3 ft. long 1 in. in diam. 26
 ins in the ground for $\frac{1}{4}$ sec. Cor. marked out
 brass cap T 4 S 35 on N. half and S 2 on S half.
 Dig pits 18x18x12 ins. E and W. of post. 3 ft.
 dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base
 1 $\frac{1}{2}$ ft. high N. of cor.
- 42.00 Foot of descent in depression land N. and S.
 asc. W slope.
- 75.00 Top of ascent. leave rolling land N. and S.
 enter level land N. and S.
- 80.00 Set an iron post. 3 ft. long, 3 ins. in diam. 24 ins.
 in the ground for cor. of sec 1, 2, 35 and 36.
 marked out brass cap R 19 E. on E half. T 30 N. S
 36 in N.E. T 29 N. S 1 in S.E. S 2 in S.W. and S 35
 in N.W. quadrant.
 Dig pits 18x18x12 ins. in each sec, 5 $\frac{1}{2}$ ft. dist.,
 and raise a mound of earth 4 ft. base, 2 ft.
 high W. of cor.
 Land level and rolling.
 Soil sandy 3rd rate.
 Timber Cedar.

- N. 89° 58' E., bet. sec 1 and 36;
 Over level sandy land, through bunch grass.
- 10.00 Leave level land N.E. and S.W. descend
 S.E. slope over rolling land N.E. and S.W.
- 40.00 Set an iron post. 3 ft. long 1 in. in diam. 26 ins.
 in the ground for $\frac{1}{4}$ sec. Cor marked out brass cap
 T 4 S 36 on N. half and S 1 on S half.
 Dig pits 18x18x12 ins. E and W. of post. 3 ft. dist. and
 raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high
 N. of cor.
- 49.00 Dry ravine course S. asc.

North boundary of Twp 29 N. R 19 E.

Chains

- 62.00 Enter scattering pinion pine and Cedar timber
lean N. and S.
- 70.00 Pop. of. scrub on sand ridges, lean N. and S, level
rolling land lean N and S, enter level land
lean N and S.
- 76.00 Level timber lean N and S.
- 80.00 Intersects the Cor. of Twp. 29 and 30 N, R's
19 and 20 E., hereinbefore described.
Land level and rolling.
Soil sandy 2nd and 3rd rate.
Timber pinion pine and Cedar.

February 3rd 1909

Boundaries of Twp. 29 N.; R 19 E.
Latitudes departures and Closing errors.

LINE DESIGNATED	TRUE BEARING	DISTANCE	LATITUDES		DEPARTURES	
			N	S	E	W
South Boundary		CHS.	CHS	CHS	CHS	CHS
75 Standard Parallel N)	West	480.00				480.00
West Boundary	North	480.00	480.00			
North Boundary	N 89 58' E	479.35	.28		479.35	
East Boundary	South	480.00		480.00		
Convergence					.51	
Totals			480.28	480.00	479.86	480.00
			480.00			479.86
Error in Lat.			0.28			
Error in Dep.						0.14

General Description.

This township is mountainous in the southern and central parts, and rolling in the western, northern and north eastern parts, and level in the valley along the Placca Wash.

The major portion of the township is a high mesa prairie land. The township is poorly watered, but well timbered over the rough portions. The soil along the Placca Wash is a sandy loam capable of producing good crops.

The township should be subdivided.
Sidney E. Bloch
Examiner of Surveys

BOOK 2545

NOTE: - *Final Affidavits in book "8" of Exteriors.*

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

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Bloup
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 E. and N. boundaries of Twp. No 29 N. R. No 19 E. of the Gila and Salt River Basins and Meridians, Arizona showing the respective capacities in which they acted:

- Jay E. Jellick Van R. White Compassman
....., Chainman.
- Lafayette Jennings and Arthur A. Beard....., Chainmen.
- Fred R. Warner....., Moundman.
-, ~~Moundman~~.
- Chas. L. Shumway....., Axman.
-, ~~Axman~~.
- Harvey Lake May....., 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 _____

-, Chainman.
-, Chainman.
-, Moundman.
-, Moundman.
-, Axman.
-, Axman.
-, Flagman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



95
BOOK 2545
16

EXAMINER OF SURVEYS
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Sidney E. Blout, United States ^{Examiner of Surveys} Deputy Surveyor, do solemnly swear that, in pursuance of ^{Special Instructions} ~~a contract~~ received from the Commissioner of the United States Surveyor General for Land Office, bearing date of the 2nd day of Oct. 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 and North boundaries of Township No 29 North, Range No 19 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.

See _____
Subscribed by said Sidney E. Blout, and sworn to before me }
this _____ day of _____, 190 _____
United States Deputy Surveyor.
Examiner of Surveys.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 25, 1904

The foregoing field notes of the survey of the East and North boundaries of Township No 29 North, Range No 19 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, 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 S. 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.