

Exterior
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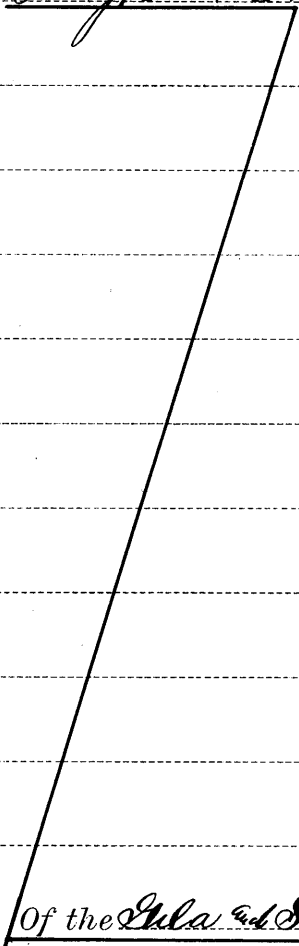
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FIELD NOTES

OF THE SURVEY OF THE

East and North boundaries of T₁ 29 North

Range 17 E.



Of the Gila and Salt River Basins and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blount, United States Examiner of Surveys

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

Survey commenced December 22nd, 1908

Survey completed December 24th, 1908

NAMES AND DUTIES OF ASSISTANTS.

Van L. White Comptroller

Jay E. Jellick Chairman

Ralph M. Wetland Chairman

Chas. L. Shumway Warden

Fred L. Warner Warden

Lafayette Jennings Assn. Assn.

Harry Lake May Flagman

4A
11

BOOK 2543

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PRELIMINARY OATHS OF ASSISTANTS.
Same applies to Ext. Bks. Q, R, S, T, U, V, W, X & Y

We, ^{Lafayette Jennings} Ralph M. Whitland, Jay C. Jellick, Arthur A. Beard, and Chas. L. Shumway
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

The Exterior Boundaries of Tps. 29 and 30 N., R's 15, 16, 17, 18, and 19 East
of the G. & S. R. Base & Mer. Arizona.
Arthur A. Beard and Ralph M. Whitland, Chainmen.
Chas. L. Shumway and Jay C. Jellick, Chainmen.

Subscribed and sworn to before me this 21st Lafayette Jennings Chainman
day of December, 1908



Sidney E. Blout
U.S. Examiner of Surveys

We, Charles L. Shumway and Fred L. Warner
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

The Exterior Boundaries of Tps. 29 and 30 N., R's 15, 16, 17, 18, and 19 East
of the G. & S. R. Base & Meridian, Arizona
Chas. L. Shumway Moundman.
Fred L. Warner, Moundman.

Subscribed and sworn to before me this 21st
day of December, 1908



Sidney E. Blout
U.S. Examiner of Surveys

We Lafayette Jennings, Arthur A. Beard and Chas. L. Shumway
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

The Exterior Boundaries of Tps. 29 and 30 N., R's 15, 16, 17, 18, and 19 East
of the G. & S. R. Base & Meridian, Arizona.
Lafayette Jennings, Axman.
Chas. L. Shumway, Axman.

Subscribed and sworn to before me this 22nd
day of December, 1908

Arthur A. Beard Axman
Sidney E. Blout
U.S. Examiner of Surveys



We Harry Lake Nay, do solemnly swear that we will well and truly perform the duties of flagman according to instructions given us, to the best of our skill and ability, in the survey of

The Exterior Boundaries of Tps. 29 and 30 N., R's 15, 16, 17, 18, and 19 East
of the G. & S. R. Base & Meridian, Arizona.

Subscribed and sworn to before me this 22nd
day of December, 1908

Harry Lake Nay, Flagman.
Jay C. Jellick, Flagman.



Sidney E. Blout
U.S. Examiner of Surveys

East boundary of Tps 29 N, R17 E.

Chains

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Survey commenced December 22nd 1908 and executed with a Young and Sons light mountain transit - No 10 with a Smith solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

I examined the adjustments of the transit and find them to be perfect. and know from recent tests of the solar by comparing the results of observations made on the sun during a.m. and p.m. hours. with a meridian established by observation on Polaris, that the solar apparatus is in satisfactory adjustment therefore

I begin at the Standard Cor. of Tps 29 N, R17 and 18 E ^{described in Standard Book "C"} which were established Oct. 18 1908

Latitude $35^{\circ} 51' 28''$ N. Longitude $110^{\circ} - 27' 58''$ W.

At $7^h 59^m$ a.m. L.M.L. I set off $35^{\circ} 51\frac{1}{2}'$ N. on the lat. arc. $23^{\circ} 23'$ S. on the decl. arc. and determined a meridian with the solar at this cor.

Thence I run,

North, 1/4 sec. 31 and 36,

Ascend S. slope over rolling sandy land through sage and greasewood bush undergrowth.

40.00 Set an iron post 3 ft. long 1 in. in diam., 26 in. in the ground for $\frac{1}{2}$ sec. cor. marked on brass Cop. $\frac{1}{4}$ S36 on W half and S31 on E half.

Dig pits 18 x 18 x 12 in. N and S of post. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W of cor.

80.00 The point for cor. of sec. 25, 30, 31 and 36. falls in the bed of dry ravine ^{course SE.} unsuitable for the establishment of a permanent corner. therefore at

78.75 Set an iron post 4 ft. long 3 in. in diam., 36 in. in the ground for witness cor. to cor. of sec. 25, 30, 31 and 36., marked on brass Cop. W.C. T29 N. on W half. R17 E S 25 in N.W. R18 E S 30 in N.E. S 31 in S.E. and S 36 in S.W. quadrant.

Dig pits 18 x 18 x 12 in. N.E. S.E. S.W. and N.W. of post. $5\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land rolling.
Soil sandy 2nd and 3rd rate.
No timber.

From ^{the true} point for Cor of sec. 25, 30, 31 and 36, in dry ravine
I run,

North, bet. sec 25 and 30.

In bed of dry ravine course SE.

7.00 Leave ravine course SE. ascend SW. slope over rolling
sandy land, through scattering sage brush undergrowth.

35.00 Top of low sand ridge bears NW. and SE. desc. gently.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. Cr. marked on brass Cap.
N 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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high.
W of Cor.

52.00 Begin rapid descent over NW. slope.

58.00 Dry ravine course SW. asc.

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

62.75 Center of dry sand wash 150 lbs. wide 3 ft. deep course
SW.

66.00 Same wash. course SE., asc. SW. slope.

80.00 Set an iron post 4 ft. long 3 in. in diam. 36 ins. in
the ground for Cor. of sec. 19, 24, 25 and 30 marked
on brass Cap T 29 N. on N. half. R 17 E S 24 in NW.
R 18 E S 19 in N.E. S 30 in S.E. and S 25 in SW quadrant
Dig pits 18 x 18 x 12 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 rolling and hilly.
Soil partly 2nd and 3rd rate.
No timber.

Note: At this Cor. I set off 23 25 $\frac{1}{2}$ ' S. on the decl. arc. and at
a noon. I observe the sun on the meridian the resulting
latitude being 35° 53' N.

North, bet. sec 19 and 24,

Ascend SW. slope over hilly sandy land through
scattering sage and greasewood brush and bunch
grass.

East boundary of Tp. 29 N. R. 17 E.

Chain

- 1.00 Top of low sand ridge bears N.E. and S.W. due and N.W. slope.
 - 2.50 Enter dry ravine course S.W.
 - 7.50 Leave ravine course S.E. asc. S.W. slope.
 - 12.00 Top of sand ridge bears N.W. and S.E. desc. steeply.
 - 13.50 Foot of descent leaves hilly land bears N.W. and S.E. enter rolling land bears N.W. and S.E.
 - 26.00 Dry ravine 30 lbs. wide 6 ft. deep course S.W.
 - 27.00 The same ravine 30 lbs. wide 6 ft. deep course S.E.
 - 35.10 The same ravine 25 lbs. wide 5 ft. deep course S.W.
 - 39.00 The same ravine 20 lbs. wide 4 ft. deep course S.E.
 - 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 24 on W half and S 19 on E half.
Dig pits 18x18x12 ins N. and S. of post 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W of cor.
 - 65.00 Enter dry ravine course S.W.
 - 67.00 Leave ravine course S. from N.E., ascend.
 - 80.00 Set an iron post 4 ft. long 3 ins. in diam. 36 ins. in the ground for cor. of sec. 13, 18, 19 and 24 marked on brass cap T 29 N. on N. half R 17 E S 13 in N.W. R 18 E S 18 in N.E. S 19 in S.E. and S 24 in S.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 rolling and hilly.
Soil sandy 2nd and 3rd rat.
No timber.
-
- North, bet. sec. 13 and 18,
Descend S.E. slope over hilly sandy land through sage and greasewood bush undergrowth and scattering bunch grass.
- 11.50 Dry ravine 100 lbs. wide 6 ft. deep course S.E.
 - 22.00 Top of sand stone ledge 6 ft. high bears N.E. and S.W. enter cedar timber bears N.E. and S.W. due.
 - 30.00 Leave 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. marked on brass cap $\frac{1}{4}$ S 13 on W. half and S 18 on E half.
Dig pits 18x18x12 ins N. and S. of post 3 ft. dist. and

East boundary of T₂₉N, R₁₇E

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Chains

raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.

67.50 Dry ravine 12 lbs wide 3 ft deep Course S. E.

80.00 Set an iron post. 4 ft. long, 3 ins. in diam. 36 ins. in the ground for cor. of sec 7, 12, 13 and 18, marked on brass cap. T₂₉N. on N. half, R₁₇E S₁₂ in N.W. R₁₈E S₇ in N.E. S₁₈ in S.E. and S₁₃ in S.W. quadrants from which.

A cedar 12 ins. in diam, base N₇₉³/₄ E 113 lbs. dist, marked T₂₉N, R₁₈E S₇ B.T.

A cedar 8 ins in diam base N₁₃ W 70 lbs. dist, marked T₂₉N, R₁₇E S₁₂ B.T.

No other tree available

Dig pits 24 x 24 x 12 ins. in each sec, S.E and SW of post $5\frac{1}{2}$ 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.

Timber Cedar

This 22nd day of Dec. 1908. I discharge Robt E Claborn flagman and employ Lafayette Jennings to perform the duties of assistant.

No officer authorized to administer oaths, other than myself, being available, without great incovenient delay, and expense, I administered the required preliminary and final oaths

Sidney E Blunt

U.S. Examiner of Surveys

December 23rd 1908
 At 8^h 29^m am. l. mt. I set off
 35° 55' N. on the lab. arc. 23° 23¹/₂' S. on the decl. arc
 and determine a meridian with the solar at the
 cor. of sec. 7, 12, 13 and 18, above described,
 Thence I run,
 North, bet sec 7 and 12,

East boundary of Np 29 N, R17 E.

Chain

- Ascend S slope over hilly sandy and stony land through Cedar timber
- 28.00 Top of steep ascent bears E and W. ascend gradually
- 30.90 Top of sand stone ledge 7 ft high bears E and W
- 40.00 Set an iron post. 3ft 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. from which
A cedar 10 ins. in diam bears S $79\frac{1}{2}^{\circ}$ E 171 lbs. dist marked $\frac{1}{4}$ S 7 B.T.
- A cedar 12 ins. in diam. bears S $40\frac{1}{2}^{\circ}$ W 217 lbs. dist. marked $\frac{1}{2}$ S 12 B.T.
- 41.00 Leave timber bears E and W
- 63.00 Top of ridge bears N.E and S.W. Enter scattering scrub Cedar timber bears N.E and S.W, desc N.W. slope
- 80.00 Set an iron post. 4ft long. 3 ins. in diam. 36 ins. in the ground for cor. g. recs 1, 6, 7 and 12, marked on brass cap. T 29 N. on N half. R 17 E S 1 in N.W. R 18 E S 6 in N.E S 7 in S.E. and S 12 in S.W. quadrant. from which
A cedar 7 ins. in diam bears N $54\frac{1}{2}^{\circ}$ E 21 lbs. dist. marked T 29 N. R 18 E S 6 B.T.
A cedar 8 ins. in diam, bears S 60° E 43 lbs. dist. marked T 29 N. R 18 E S 7 B.T.
A cedar 15 ins. in diam bears N $18\frac{3}{4}^{\circ}$ W 63 lbs. dist. marked T 29 N. R 17 E S 1 B.T.
No other trees available.
Dig pit - 36 x 36 x 12 ins. in sec 12. 5 $\frac{1}{2}$ 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.
Timber Cedar and Fir or pine.

- North, bet. sec 1 and 6,
Descend N.W. slope over hilly sandy and stony land through cedar and fir or pine timber.
- 15.00 Top of descent in depression. bears N.E and S.W. asc. gradually.
- 21.00 Top of ridge bears N.E and S.W. desc. gradually.
- 40.00 Set an iron post. 3ft long 1 in. in diam. 26 ins. in the

ground for 4 sec. cor. marked on brass cap. $\frac{1}{4}$ S 1 on W half
and S 6 on E half, from which.

A Cedar 12 ins. in diam. from S 27° E 44 lbs. dist. marked
 $\frac{1}{4}$ S 6 B.T.

A Cedar 5 ins. in diam. from S $13^{\frac{1}{2}}$ W 68 lbs. dist.
marked $\frac{1}{4}$ S 1 B.T.

61.00 Foot of descent in dry ravine course W. are S slope.
and stony land.

78.00 Top of ridge from East W. end.

80.00 Set an iron post. 4 ft. long 3 in. in diam 36 ins in
the ground for cor. of Twp 29 and 30 N. R 17 and 18 E
marked on brass cap. T 30 N on N half and T 29 N.
on S half. R 17 E S 36 in N.W. R 18 E S 31 in N.E. R 18 E S 6 in
S.E. and R 17 E S 1 in S.W. quadrant, from which.

A pinion pine 14 ins. in diam. from N $30^{\frac{1}{2}}$ E 113 lbs.
dist. marked T 30 N. R 18 E S 31 B.T.

A pinion pine 6 ins. in diam. from S $47^{\frac{3}{4}}$ E 169 lbs. dist.
marked T 29 N R 18 E S 6 B.T.

A Cedar 14 ins. in diam. from S $59^{\frac{3}{4}}$ W 28 lbs. dist.
marked T 29 N. R 17 E S 1 B.T.

A cedar 6 ins. in diam from N $63^{\frac{1}{4}}$ W 50 lbs. dist.
marked T 30 N. R 17 E S 36 B.T.

Land hilly.

Soil sandy and stony 3rd and 4th rate.

Timber Pinion pine and Cedar.

NOTE: On this cor I set off 238 25' S. on the decl. arc.
and at 1:57 noon observed the sun on the
meridian, and obtained on the lat. arc a
reading of $35^{\circ} 57' N.$ —

December 23rd 1908

North boundary of Twp 29 N. R 17 E.

Lehain

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Survey commenced Dec. 23rd 1908 and executed with a Young and Sons light mountain transit. No. 10 with solar attachment. The horizontal limb is provided with two double verniers placed opposite each other reading to single minutes of arc. which is also the least count of the verniers of the latitude and declination arcs.

Knowing that the instrument is in satisfactory adjustment I begin at the Cor. of Twp 29 and 30 N. R 17 and 18 ^{heretofore} ~~described~~ established by me, Dec 23rd 1908. Latitude $35^{\circ}56'41''$ N. Longitude $110^{\circ}27'58''$ W.

At 12^h 59^m p.m. l.m.t. Det. off $35^{\circ}57'$ N. on the lat. arc $23^{\circ}25'$ S on the decl. arc and determine a meridian with the solar at this cor.

Thence I run

$N 89^{\circ}59' W$ on a random line along the N. side of Twp 29 N. R 17 E., setting temp. ~~...~~ and sec. end. at intervals of 40.00 chs. At the temp. cor of sec. 5. 6. 31 and 32. I discontinue work at this day.

December 23 1908

December 24th 1908 At 7^h 59^m a.m. l.m.t. Det. off $35^{\circ}57'$ N. on the lat. arc $23^{\circ}21\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar at the temp. cor of sec 5. 6. 31 and 32. Ret. last evening.

Thence I run,

$N 89^{\circ}59' W$. on ^{random line on} N. side of Twp. and at 47984 lks. Intersect the 4th Guide meridian East ¹⁰⁸ lks. N. of the cor. of Twp 29 and 30 N., R 16 and 17 E., which established Dec. 21st 1908 as described in Standard Book "B" The falling answers to a correction $0^{\circ}08'$ or 18 lks. S. per mile counting from the N.E. cor. of the Twp. therefore I run, on true line, $N 89^{\circ}53' E$, to sec 6 and 31,

Ascend W slope of mesa over sandstone cliffs and ledges over mountainous land.

2.00 Twp. cliffs on W edge of mesa bear N. and S. leave mountainous land bear N. and S. enter level mesa land covered with scrub cedar bear N. and S.

15.00 Each edge of mesa on cliff 40 ft high. bear N.E. and S.W. leave level land bear N.E. and S.W. descend.

- abruptly over mountainous land bear N.E and S.W
- 23.00 Foot of descent. Leave mountainous land and scattering timber bear N.E and S.W. enter rolling sandy land covered with sage and greasewood bush and bunch grass bear N.E and S.W.
- 39.84 Set an iron post 3 ft long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on bear Cop. $\frac{1}{4}$ S 31 on N. half and S 6 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 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high N. of cor.
- 45.40 Runnel 10 lbs wide 1 ft deep. Course S.
- 53.50 A point 4.00 Ch. South of point of mesa
- 54.20 Wood road bear N.E and S.W.
- 55.50 Leave sage and greasewood bush undergrowth bear N.E and S.W. enter cultivated land bear N.E. and S.W. -
- 70.50 Leave cultivated land bear N.E. and S.W. enter sage and greasewood bush undergrowth bear N.E and S.W.
- 79.84 The point for the cor. of sees. 5, 6, 31 and 32 falls in edge of the Oraibi Wash. where natural causes would insure the destruction of the corner. therefore at
- 77.84 Set an iron post 4 ft. long 3 in. in diam. 36 ins. in the ground for within cor. to cor. of sees. 5, 6, 31 and 32 marked on bear Cop. W. C. R. 17 E in E. half. T 30 N. S. 32 in N.E. 999 N. S. 5 in S.E. 56 in S.W. and S 31 in NW. quadrant.
Dig pits 18 x 18 x 12 ins N.E. S.E. S.W. and N.W. of post. 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land rolling and mountainous.
Soil sandy and stony 2nd 3rd and 4th rate.
Timber Cedar.
Mountainous land. 10.50 Ch.

- N. 89° 53' E., bet. sees 5 and 32;
Due right bank of Oraibi Wash. -
- 00.25 Foot of descent in wash. 25 ft. deep. Course S. are

North boundary of T₂₉N, R₁₇E.

Chain

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- 1.50 Left bank of the Crutch Wash. 25 ft. high. base N and S. enter level adobe bottom land base N and S.
- 33.00 Leave level adobe land base N and S. ascend W. Slope over hilly sandy land base N and S.
- 40.00 Set an iron post. 3 ft. long 1 in. diam., 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked as base of $\frac{1}{4}$ S32 on N half and S5 on S half. Raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
- 41.40 Top of ridge base N and S, desc. over N.E. slope.
- 46.25 Dry ravine course N.W. Leave hilly land base N.W. and S.E. ascend S.W. slope over rolling land base N.W. and S.E.
- 76.50 Leave rolling land base N.W. and S.E. ascend steeply over S.W. slope over hilly land base N.W. and S.E.
- 80.00 Set an iron post. 4 ft. long. 3 in. diam., 36 in. in the ground for. Cor. of sec 4. 5. 32 and 33 marked as base of T₃₀N, S₃₃ in N.E. T₂₉N, S₃₄ in S.E. S₃₅ in S.W. and S₃₂ in N.W. quadrant. Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Land level rolling and hilly. Soil sandy adobe and stony 2nd 3rd and 4th rate. No timber

N. 89° 53' E., bet. sec 4 and 33,

Over hilly sandy and stony land.

- 10.00 A stone house base S. 8 ch. dist.
- 12.00 Dry ravine 20 lbs. wide course S.W. ascend S.W. Slope of spur over mountainous land base N.W. and S.W.
- 14.70 Top of rocky spur base N.E. and S.W., thence along S. face of mesa over cliffs and ledges.
- 21.25 A stone house 10 x 12 ft. and sheep corral on cliff of rock.
- 40.00 Set an iron post. 3 ft. long 1 in. diam., 26 in. in the ground. For $\frac{1}{4}$ sec. cor. mark. on base of $\frac{1}{4}$ S 33 on N half and S 4 on S half. Raise a mound

- of stone 2 ft. face 1 1/2 ft. high N. of cor.
 Pits impracticable.
- 45.00 Point of mesa base N and S. desc. abrupt rocky E slope.
- 66.00 Foot of abrupt descent leave mountainous land base N.E and S.W. enter rolling sandy land base N.E and S.W. descend gently over S.E. slope.
- 75.20 Dry sand wash course S.W. ascend gradually over N.W. slope.
- 80.00 Set an iron post 4 ft. long, 3 in. in diam., 36 in. in the ground for cor of sec 3, 4, 33 and 34. mk'd on base cap R 17 E on E half T 30 N, S 34 in N.E. T 29 N, S 3 in S.E. S 4 in S.W. and S 33 in N.W. quadrant.
- Dig pits 18 x 18 x 12 in. in each sec 5 1/2 ft. dist. and raise a mound of earth 4 ft. face, 2 ft. high W. of cor.
- Land rolling hilly and mountainous.
 Soil sandy and stony 2nd 3rd and 4th rate
 No timber. Mountainous land 54.00 chs.
- On this cor I set off 23rd 24' S on the decl. arc and at 11^h 59^m am. I cut across the line on the meridian and obtain on the lat. arc a reading of 35° 57' N.
-
- N. 89° 53' E., bet. sec 3 and 34,
 Ascend N.W. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass.
- 2.00 Top of ridge base N and S. desc. E slope.
- 13.65 Dry ravine course N.W. asc.
- 19.20 Top of ridge base N.E and S.W. desc.
- 21.00 Foot of descent in dry sand wash 50 lbs. wide course N.W. thence in edge of wash.
- 34.00 Leave wash course S 80° W. ascend N.W. slope of sand ridge.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam., 26 in. in the ground for 4 sec cor, marked on base cap 1/4 S 34 on N. half and S 3 on S half.

North boundary of Tp. 29 N. R17 E.

Chains

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- 47.80 Dig pits 18x18x12 in sand W of post 3ft. dist. and
have a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high n. of cor.
Top of ridge from N and S. due.
- 50.75 Sand wash corner NW. ascend steep rocky W slope.
- 60.50 Top of cliff 50ft. high from N and S. Enter cedar
and fir on pine timber from N and S.
- 70.00 Dry gulch corner S. asc. steep rocky W. slope.
- 80.00 Set an iron post 4ft. long 3ins. in diam. 36 ins. in
the ground for cor. of sec. 2, 3, 34 and 35 marked
on base of R17E on E half T30N, S35 in NE. T29N,
S2 in SE, S3 in SW and S34 in NW. quadrants
from which.

A cedar 8 ins in diam from N 27 $\frac{1}{2}$ ° E 248 lbs. dist.
marked P30N, R17E, S35 BT.

A cedar 8 ins in diam. from S 66 $\frac{1}{2}$ ° E 142 lbs. dist.
marked P29N R17E S2 B.T.

A cedar 14 ins in diam., from S 74° W 112 lbs. dist.
marked T29N, R17E S. 3 B.T.

A pine on pine 10 ins. in diam. from N 32° 30' W 259
lbs. dist. marked P30N, R17E S34 B.T.

Land hilly.

Soil sandy and stony 3rd and 4th rate.
Timber Cedar and fir on pine

N. 89° 53' E., top. sec. 2 and 35;

Over hilly sandy land through cedar and fir on
pine timber.

- 40.00 Set an iron post 3ft. long 1 $\frac{1}{2}$ in. in diam. 36 ins. in the ground
for $\frac{1}{4}$ sec. cor marked on base of $\frac{1}{4}$ S35 on N. half and
S2 on S half. from which

A cedar 14 ins. in diam from N 76 $\frac{1}{2}$ ° E 165 lbs. dist. mhd.
 $\frac{1}{4}$ S35 B.T.

A cedar 7 ins. in diam. from S 21 $\frac{1}{2}$ ° E 23 lbs. dist. marked
 $\frac{1}{4}$ S2 B.T.

- 71.10 Wood road from N and S.

- 80.00 Set an iron post 4ft. long 3ins. in diam 36 ins. in the
ground for cor. of sec. 1, 2, 35, and 36 marked on base of
R17E on E half. T30N S36 in NE. T29N, S1 in SE. S2 in
SW. and S35 in NW. quadrants, from which.
A pine on pine 6 ins. in diam from N 42° E 98 lbs. dist.

marked T 30 N. R 17 E S 36 B.T.

A cedar 8 ins. in diam. bears S 12° E 165 lbs. dist. marked
T 29 N. R 17 E S 1 B.T.

A cedar 12 ins. in diam. bears S 23° W 5 lbs. dist. marked
T 29 N. R 17 E. S 2 B.T.

No other trees available

Dig pit: 36 x 36 x 12 ins. in Sec. 35. 5 1/2 ft. dist. and raise
a mound of earth 4 ft. base 2 ft. high th. of cor.

Land hilly.

Soil sandy 3rd rate.

Timber pinon pine and cedar

N. 89° 53 E. Sec. 1 and 36,

Over hilly sandy land through scattering pinon pine and
cedar timber

8.00 Dry ravine course S. sec.

16.00 Wood road bears N and S.

40.00 Set an iron post 3 ft. long 1 in. in diam., 26 ins. in the ground.
for tree cor. marks down base Cap 1/4 S 36 on N. half and
S 1. on S half. from which.

A cedar 18 ins. in diam. bears N. 66 3/4° W 233 lbs. dist.
marked 1/4 S 36 B.T.

A pinon pine 5 ins. in diam. bears S 42 3/4° E. 78 lbs. dist.
marked 1/4 S 1 B.T.

40.50 Dry ravine course S.

55.00 Head of ravine 30 lbs. wide course SW sec. ridge

59.50 N. of ridge bears N and S. desc.

80.00 Intersect the cor. of Np. 29 and 30 N. R. 17 and 18 E.,

Land hilly.

Hereinbefore described.

Soil sandy 3rd and 4th rate.

Timber pinon pine and cedar.

December 24th 1908

Boundaries of Twp 29 N. R17 E.
 Latitudes Departures and Closing errors.

Line Designated	True Bearing	Distance	Latitudes		Departures	
			N	S	E	W
South Boundary (7th Standard Parallel N.)	N89°59'W	480.16	0.14			480.16
West Boundary (A True Meridian E)	North	480.00	480.00			
North Boundary	N89°58'E	479.84	.98		479.84	
East Boundary	South	480.00		480.00		
Convergence					.51	
Totals			481.12	480.00	480.35	480.16
			480.00		480.16	
			Error in Lat. 1.12		Error in Def. 0.19	

General Description

This township is rough and mountainous in the western and south eastern parts, rolling in the north eastern part and some level land in the north western part along the Craigs Wash.

Prairie land is found on the top of the mesa portion of the township.

The township has very little water in it and is poorly timbered.

The soil along the Craigs Wash is a sandy loam suitable for agricultural purposes.

The soil of the remaining portion of the township is very sandy and stony, producing only grass. The township should be subdivided.

Sidney E. Blouch
 U.S. Examiner of Surveys

NOTE

Final affidavits in book Y. of Exterior

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. Blount

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. hds. of

of Twp 29 N. R 17 E. of the Gila and Salt River Base and Meridian in the Territory of Arizona
showing the respective capacities in which they acted:

- David L. White Compassman
- Jay E. Jellicock Chainman.
- Ralph P. Westlund Chainman.
- Fred L. Warner Moundman.
- Char L. Shumway Moundman.
- Lafayette Jennings Arman.
- Harry Lake May Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blount

Examiner of Surveys

United States ~~Deputy Surveyor~~ in surveying all

those parts or portions of the East and North hds. of

Township 29 North, Range 17 East

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 executed, and the corner monuments established, according to the instructions furnished by the Commissioner of the

General Land Office

..... Compassman.

..... Chainman.

..... Chainman.

..... Moundman.

..... Moundman.

..... Arman.

..... Flagman.

Subscribed and sworn to before me this _____

day _____, 190



Sidney E. Blount
U.S. Examiner of Surveys

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

I, Sidney E. Blout, United States ~~Deputy Surveyor~~ ^{Examiner of Surveys}, do solemnly swear that, in pursuance of ~~Special Instructions~~ ^{Special Instructions} received from ~~the Commissioner of the United States General Land Office~~ ^{the Commissioner of the}, bearing date of the ~~2nd day of October 1907 and 15th day of May~~ ^{2nd day of October 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 General Land Office~~ ^{Commissioner of the}, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ~~the~~ ^{the} East and North boundaries of Township N^o 29 North, Range N^o 7 East of the Gila & 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 General Land Office~~ ^{Commissioner of the} and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Subscribed by said Sidney E. Blout, and sworn to before me }
 this _____ day of _____, 1908 }
 United States ~~Deputy Surveyor~~ ^{Examiner of Surveys}.

See



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona **APR 25**, 1908

The foregoing field notes of the survey of ~~the~~ the East and North boundaries of Township N^o 29 North, Range N^o 7 East of the Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blout - U.S. Examiner of Surveys under ~~Special Instructions from the Commissioner of the General Land Office~~ ^{Special Instructions from the Commissioner of the General Land Office}, 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 J. [Signature]
 United States 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~~

~~United States Surveyor General.~~