

Subdivisional
BOOK "ZI"

2613

BOOK 2613

FIELD NOTES

BOOK 2613

OF THE SURVEY OF THE

Subdivision lines of Township No. 27 North
Range No. 13 East

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Van L. White U.S. Geologist United States Deputy Surveyor,

Special Instructions from the Commissioner of the General Land Office

Under his Contract No. _____ dated Oct. 2nd 1907 and May 15th 1908

Survey commenced November 2nd _____, 1910

Survey completed November 14th _____, 1910

NAMES AND DUTIES OF ASSISTANTS.

T. Y. White Chairman

Oscar W. Fetters Chairman

Ralph C. Sampson Moundman

George B. Seig Axman

Nelson Polacca Axman

William R. Carson Flagman

BOOK 2613

2613

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STANDARD BOOK "P"
3rd Guide Meridian East

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EXTERIOR BOOK "AC"

RESURVEYED

EXTERIOR BOOK "AL"

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PRELIMINARY OATHS OF ASSISTANTS.

WE, J. Y. 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

Subdivision lines of Tp. 27 N. R. 13 E. 5th and 6th S. R. B. and M. Arizona.

J. Y. White, Chainman.
Oscar W. Fetters, Chainman.

Subscribed and sworn to before me this 1st
day of November, 1910



Van L. White
U.S. Transitman

I, Ralph C. Sampson

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

Subdivision lines of Tp. 27 N. R. 13 E. 5th and 6th S. R. B. and M. Arizona.

Ralph C. Sampson, Moundman.

Subscribed and sworn to before me this 1st
day of November, 1910



Van L. White
U.S. Transitman

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

Subdivision lines of Tp. 27 N. R. 13 E. 5th and 6th S. R. B. and M. Arizona.

George B. Seig, Axman.
Nelson Polacca, Axman.

Subscribed and sworn to before me this 1st
day of November, 1910



Van L. White
U.S. Transitman

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

Subdivision lines of Tp. 27 N. R. 13 E. 5th and 6th S. R. B. and M. Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 1st
day of November, 1910



Van L. White
U.S. Transitman

Survey commenced November 2nd 1910 and executed with a W and L E. Gussley engineers transit No. 76. with a Bush Solar attachment, the horizontal limb being provided with one double vernier, reading to single minute of arc. The verniers of the latitude and declination arcs reading to 0' 30" of arc.

Determined the adjustment of the transit and find them correct, and know from a recent test of the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

Inquire abt. the cor. of sec. 35 and 36. on S. 1/2 of the Twp. which Ist established.

October 15th 1910 Latitude $35^{\circ}41'01''$ N. Longitude $110^{\circ}55'$ W. and described in Exterior Book "AL"

At 7^h 44^m a.m. l.m. to set off $35^{\circ}41'$ N. on the lat. arc. $14^{\circ}33'$ S. on the decl. arc and determine a meridian with the solar. abt. the above cor. thence draw.

N $0^{\circ}01'$ W. l.m. sec. 35 and 36.

Ascend S.E. slope over hilly sandy land, through scattering sage and greasewood brush undergrowth and bunchgrass.

31.50 Top of sand ridge bears E. and W. decl. N. 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 N S 35 on W. half. and S 36 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.

52.80 Dry ravine course West. sec.

56.00 Top of ridge bears N.E. and S.W. decl.

59.10 Dry ravine course S 45° W. and steep S.E. slope.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 25, 26, 35 and 36. marked on brass cap T 27 N., R 13 E. S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrant.

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

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and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land hilly.
Soil sandy 3rd rate.
No timber.

$N89^{\circ}59'E$ on a random line bet. sec. 25 and 36.
40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect E. edge of $N\frac{1}{2}$ 10 lks. S. of the cor. ...
estab. by Sidney E. Bluff, Def. 22, 1909 & described in Exterior Book "AC"
of Sec. 25, 30, 31 and 36, Themed Desert.

$S89^{\circ}55'W$ on a true line bet. sec. 25 and 36.

Around S.E. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass.

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

40.01 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 25 on N. half and S 36 on S. half.

Dig pits 18x18x12 in. E and W. of post 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base $\frac{1}{2}$ ft. high. W. of cor.

68.00 Post of descent in depression bears N.E. and S.W. drains to the S.W. are.

80.02 The cor. of sec. 25, 26, 35 and 36, hereinbefore described.

Land hilly.

Soil sandy 3rd rate.

No timber

$N0^{\circ}01'W$ bet. sec. 25 and 26.

Around S.E. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass.

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

23.40 Dry ravine 15 lks. wide course N.E. asc.

32.00 Top of high rocky ridge bears E. and W. desc.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 26 on W. half and S 25 on E. half.

Dig pits 18x18x12 in. N. and S. of post 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base $\frac{1}{2}$ ft. high. W. of cor.

Subdivision of T₂₇N., R₁₃E.

Chains

80.00 Set an iron post 3 ft. long 2 ins. in diam 24 ins. in the ground for cor. of sec. 23-24, 25 and 26 marked on brass cap. T₂₇N., S₂₃ in N.W. R₁₃E. S₂₄ in N.E. S₂₅ in S.E. and S₂₆ 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

Note: At this cor. I set off 14° 38 1/2' S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 35° 43' N. on the lab. arc

N 89° 55' E on a random line bet. sec. 24 and 25:

40.00 Set temp 1/4 sec. cor.

80.06 Intersect E. line of T₂₇N. at the cor. of sec. 19, 24, 25. estab. by Sidney E. Clark, Dec. 22, 1909 & described in Exterior Book "AC" and 307. Thence I run

S 89° 55' W. on a true line bet. sec. 24 and 25. Descend N.W. slope over rolling sandy land through sage and greasewood bush undergrowth and bunch grass.

40.03 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 S₂₄ on N. half and S₂₅ on S. half. Raise a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.

80.06 The cor. of sec. 23, 24, 25 and 26, heretofore described. Land rolling. Soil sandy 3rd rate. No timber.

N 0° 01' W. bet. sec. 23 and 24. Descend N.W. slope over rolling sandy land through sage and greasewood bush undergrowth and bunch grass.

14.00 Foot of descent in depression toward E and W. drains to the west. asc. gradually.

38.00 Top of rocky ridge toward E and W. desc. N. slope.

Subdivision of T₂₇N., R₁₃E.

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Chains

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- 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 23 on W. half and S 24 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.
- 49.00 Prof. of descent in depression bears E. and W., drains to the west. side.
- 69.00 Prof. of ridge bears N.E. and S.W. desc. gradually.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, marked on brass cap T₂₇N., S₁₄ in NW. R₁₃E. S₁₃ in N.E. S₂₄ in S.E. and S₂₃ in S.W. quadrants.
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. 3rd rate.
No timber

N 89° 55' E on a random line bet. secs. 13 and 24.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect. E. side of T₂₇N. 4 lks. N. of the cor. of secs. 13, 18, 19, and 24, ^{estab. by Sidney E. Clapp Dec. 22, 1909 & described in Exterior Book "AC"} _{thence from}
S 89° 57' W. on a true line bet. secs. 13 and 24.
Over rolling sandy land sloped to the S.E., through scattered sage and greasewood brush undergrowth and bunch grass.
- 40.02 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. $\frac{1}{4}$ S₁₃ on N. half and S₂₄ 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.
- 67.50 Prof. of sand ridge bears N and S. desc.
- 80.04 The cor. of secs. 13, 14, 23, and 24, hereinafore described.
Land rolling.
Soil sandy 3rd rate.
No timber

November 2nd 19101910
November 3rd A.M. 7^h 44^m a.m. l.m. l. Desc. off. 35° 45' 27"

Chain

Subdivision of T₂ 27 N., R13 E.

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on the lat. arc $14^{\circ} 51\frac{1}{2}' S.$ on the decl. arc and determine a meridian with the solar on the cor. of sec. 13, 14, 23 and 24, ^{heretofore described} thence run

N $0^{\circ} 01'$ W. bet. sec. 13 and 14.

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 $\frac{1}{4}$ sec. cor. marked on brass cap $14 S 14$ on W. half and S13 on E. half.

Dig pits 18x18x12 ins. N. and S. of post 3 ft. deep and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 11, 12, 13 and 14. marked on brass cap T27 N, S11 in N.W., R13 E S12 in N.E. S13 in S.E. and S14 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. deep and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor. Land rolling.

Soil sandy 3rd rate.

No timber

N $89^{\circ} 57'$ E. on a random line bet. sec. 12 and 13.

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

80.02 Intersect E. l. by. of M. 3 lks. S. of the cor. of sec. 11, 12, 13 and 14, ^{estab. by Sidney J. Blythe Dec. 22, 1909 & described in Exterior Book "AC"} thence run

S $89^{\circ} 56'$ W. on a true line bet. sec. 12 and 13.

Descend W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

40.01 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 $14 S 12$ on N. half and S13 on S. half.

Dig pits 18x18x12 ins. E and W. of post 3 ft. deep and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. N. of cor.

80.02 The cor. of sec. 11, 12, 13, and 14, heretofore described.

Land rolling.

Soil sandy 3rd rate

No timber

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N⁰01' W. beh. sec. 11 and 12.

Descend N. 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 $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 11 on W. half and S 12. 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 1, 2, 11, and 12, marked on brass cap. T 27 N. & 2 in N.W., R 13 E. S 1 in N.E. S 12 in S.E. and S 11 in S.W. 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.

Soil sandy 3rd rate.

No timber

N⁸⁹° 56' E. on a random line beh. sec. 1 and 12.40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect E. ldy. of No. 5 lkw. N. of the cor. of sec. 1, 2, 11, and 12, thence down

S⁸⁹° 58' W. on a true line beh. sec. 1 and 12.

Descend N.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

39.98 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 1 on N. half and S 12 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.Note: At this cor. I set off $14^{\circ} 57\frac{1}{2}'$ S. on the decl. arc and at noon observed the sun on the meridian and obtain a reading of $35^{\circ} 45\frac{1}{2}'$ N. on the lat. arc.

79.96 The cor. of sec. 1, 2, 11, and 12, heretofore described.

Land rolling.

Soil sandy 3rd rate.

No timber

Subdivision of N^o 27 N., R 13 E.

Chains

N 0° 01' W. on a random line bet. sec. 1 and 2.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. base of N^o 3 l^{ine} N 89° 58' E. of the cor. of sec. recently estab. by me & described in Exterior Book "AM" 1, 2, 35 and 36. ^{thence} _{Drum}

S 0° 02' E. on a true line bet. sec. 1 and 2.

Ascend NW. slope over gently 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 2 on W. half and S 1 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 1/2 ft. base, 1 1/2 ft. high. W. of cor.

80.00 The cor. of sec. 1, 2, 11 and 12, hereinbefore described. Land rolling. Soil sandy 3rd rate. No timber

Worked 3rd 1913.

¹⁹¹⁰ November 4th at 8^h 14^m a.m. l.m.t. D. set off 35° 41' N. on the lat. arc. 15° 12' S. on the decl. arc. and determine a meridian with the solar alt. the cor. of sec. 2, 3. recently re-estab. by me & described in Exterior Book "AM" 34 and 35 on S. base of the N^o 3 l^{ine} ^{thence} _{Drum}

N 0° 01' W. bet. sec. 34 and 35.

Over hilly sandy land through sage and greasewood brush undergrowth and bunch grass.

2.65 Dry sand wash 20 lbs. wide 3 ft. deep course S.W. asc.

11.00 Top of sand ridge bears E. and W. desc.

22.20 Foot of depression bears E. and W., drained to the west. asc.

30.00 Top of sand 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 1/4 sec. cor. marked on brass cap 1/4 S 34 on W. half and S 35 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 1/2 ft. base, 1 1/2 ft. high. W. of cor.

43.55 Dry ravine course S.W. asc.

73.75 Top of sand ridge, bears E. and W. desc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in

Subdivision of T₂₇N., R₁₃E.

Chain

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the ground for cor. of sec. 26, 27, 34, and 35; marked
on brass cap. T₂₇N. S 27 in N.W., R₁₃E S 26 in N.E. S 35
in S.E. and S 34 in S.W. quadrants.

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

Land hilly.
Soil sandy 3rd rate.
No timber

N 89° 39' E. on a random line bet. sec. 26 and 35.
40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line, 12 lbs. N. of the cor. of sec.
25, 26, ^{heretofore described} 35 and 36, thence S run

N 89° 56' W. on a true line bet. sec. 26 and 35 -
Ascend S.E. slope over hilly, sandy and stony land through
scattering sage and greasewood brush and bunch grass
12.00 Top of rocky ridge bears N.E. and S.W. desc. over W.
slope of mesa.

40.02 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 26 on N. half., and S 35 on S. half.
Dig pits 18x18x12 ins. E. and W. of post 3 ft. dia. and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of
cor.

72.00 Foot of steep. descend. descend gradually.
80.04 The cor. of sec. 26, 27, 34, and 35, heretofore described.
Land hilly.
Soil sandy and stony 3rd and 4th rate.
No timber

N 0° 01' W. bet. sec. 26 and 27.
Descend N.W. slope over, hilly, sandy and stony land,
through sage and greasewood brush undergrowth and
bunch grass.
2.10 Dry ravine 15 lbs. wide course S.W. are.
18.50 Top of ridge bears E. and W. desc.
22.00 Dry ravine 10 lbs. wide course S.W. are.
33.00 Top of ridge bears N.E. and S.W. desc.
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in

Chains

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the ground for $\frac{1}{4}$ sec. cor. marked out by and cap.
 $\frac{1}{4}$ S 27 on W. half and S 26 on E. half.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high. W. of cor.
 Pits impracticable

NOTE Ob. this cor. D. set off $15^{\circ}16\frac{1}{2}'$ S. on the decl. arc. and at
 noon observe the sun on the meridian and obtain
 a reading of $35^{\circ}42\frac{1}{2}'$ N. on the lat. arc.

46.20 Run out, water alkali, course S.W., heads 1.00 ch. E.
 of line.

54.00 Top of ridge bears E. and W. desc.

54.05 A point 18.80 chs. East of spring of fresh water.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
 the ground for cor. of secs. 22, 23, 26 and 27, marked
 out from cap. T 27 N. S 22 in N.W. R 13 E. S 23 in N.E.
 S 26 in S.E. and S 27 in S.W. quadrants.

Dig pits 18 x 18 x 12 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 hilly.
 Soil sandy and stony 3rd and 4th rates
 No timber

40.00 S 89° 56' E. on a random line bet. secs. 23 and 26.
 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. and S. line, 4 chs. S. of the cor. of sec.
~~herebefore described~~
 23, 24, 25 and 26, thence I run

N 89° 58' W. on a true line bet. secs. 23 and 26.
 Descend W. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.

3.00 Mouth of descent in depression bears N. and S., drains
 to the north and gradually over E. slope.

39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked out from cap. $\frac{1}{4}$ S
 23 on N. half and S 26 on S. half.

Dig pits 18 x 18 x 12 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.
 W. of cor.

43.50 Top of sand ridge bears N. and S., bears rolling
 land bears N. and S., enter hilly land. desc W. slope.

79.96 The cor. of secs. 22, 23, 26, and 27; herebefore described.

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Land rolling and hilly.
Soil sandy 3rd rate.
No timber

110° 01' W. bet. sec. 22 and 23.

Descend N. slope over low rolling sand hills through sage and greasewood brush undergrowth and bunch grass

12.00 Foot of descent in depression toward E. and W. drains to the west. are.

19.00 Top of sand ridge toward E. and W. desc.

25.15 Foot of descent in depression toward N.E. and S.W. drains to the S.W. are.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for cor. marked on brass cap. 143 22 on W. half and S23. on E. half

Raise a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable

45.00 Top of ridge toward N.E. and S.W. desc.

61.00 Dry ravine 20 lbs. wide course S45° W. are.

69.00 Top of ascent. on merid. toward N.E. and S.W., toward hilly land toward N.E. and S.W., enter rolling sandy land.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 14, 15, 22, and 23. marked on brass cap. T27 N. S15 in N.W., R13 E. S14 in N.E. S23 in S.E. and S22 in S.W. quadrant.

Dig pits 18 x 18 x 12 ins. in each sec, 5 1/2 ft. dish and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling and hilly.
Soil sandy and stony 3rd and 4th rate.
No timber

November 4th 1910

November 5th 1910 A.M. 7^h 44^m a.m. l.m.t. Dip off 35° 43 1/2' N. on the lat. arc. 15° 29' S. on the decl. arc. and determine a meridian with the solar at the cor. of sec. 14, 15, 22, and 23, ^{above described} thence I run S89° 58' E on a random line bet. sec. 14 and 23

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line 5 lbs. S. of the cor. of sec.

Chains

11

13, 14, 23, and 24, ^{hereinbefore described} thence I run West on a true line bet. sec. 14 and 23. Descend N.W. slope over rolling sandy land through sage and greasewood bush and bulch grass. 13.00 Both of gradual descent in depression between 91. and S. divide. to the south, around gradually. 40.02 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 14 on N. half and S 23 on S. half. Dig pits 18 x 18 x 12 ins. E. and W. of post 3 ft. dia. and have a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor. 80.04 The cor. of sec. 14, 15, 22, and 23, hereinbefore described. Land rolling. Soil sandy 3rd rate. No timber

N 0° 01' W. bet. sec. 14 and 15. Over rolling sandy mesa land through scattering sage and greasewood bush undergrowth and bulch grass 12.00 Begin gentle descent over N. 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 15 on W. half and S 14 on E. half. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dia. and have a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor. 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 10, 11, 14 and 15, marked on brass cap T 27 N. S 10 in N.W., R 13 E S 11 in N.E. S 14 in S.E. and S 15 in S.W. quadrant. Dig pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dia. and have a mound of earth 4 ft. base, 2 ft. high W. of cor. Land rolling. Soil sandy 3rd rate. No timber

East on a random line bet. sec. 11 and 14 40.00 Set temp. $\frac{1}{4}$ sec. cor.

BOOK 2613

- 80.04 Intersect, N. and S. line, 5 lks. S. of the cor. of sec. 11
 herebefore described
 12, 13, and 14, thence I run
 S 89° 58' W. on a true line to sec. 11 and 14.
 Descend W. slope over rolling sandy land through sage
 and greasewood brush undergrowth and bunch grass
- 20.00 Port of descent in depression near N. and S. line
 to the south arc. gently.
- 40.02 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 11 on
 N. half and S 14 on S. half.
 Dig pits 18 x 18 x 12 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.
 W. of cor.
- 54.00 Top of sand ridge near N.E. and S.W. desc. gently.
- 80.04 The cor. of sec. 10, 11, 14, and 15, herebefore described.
 Land rolling
 Soil sandy & rate.
 No timber
- NOTE Ob. this cor. Det. off. $15^{\circ} 35'$ S. on the decl. arc and
 at noon observe the sun on the meridian and
 obtain a reading of $35^{\circ} 45'$ N. nearly on the lat. arc.

- N 0° 01' W. to sec. 10 and 11
 Ascend S.E. slope over rolling sandy land through
 scattering sage and greasewood brush undergrowth
 and bunch grass.
- 33.00 Top of sand ridge near N.E. and S.W., desc. N.W.
 slope. Land rolling. Land near N.E. and S.W. Enter
 hilly land.
- 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 10 on W. half and S 11 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.
- 76.00 Dry rocky ravine 15 lks. wide course West. arc.
- 80.00 Set an iron post. 3 ft. long. 2 in. in diam. 24 ins. in
 the ground for cor. of sec. 2, 3, 10, and 11 marked on
 brass cap T 27 N. S 3 in N.W., R 13 E. S 2 in N.E. S 11
 in S.E. and S 10 in S.W. quadrant.
 Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ high. W. of cor.

Pits. impracticable
 Land rolling and hilly.
 Soil sandy and stony 3rd and 4th rate.
 No timber

- 40.00 NW 89° 58' E. on a random line bet. sec. 2 and 11
 Sec temp. 1/4 sec. cor.
- 80.02 Intersect N. and S. line 2 lks. S. of the cor. of sec.
 1, 2, 11 and 12, ^{hereinbefore described} thence S run
 S 89° 57' W. on a true line bet. sec. 2 and 11.
 Over rolling sandy land through sage and greasewood
 brush undergrowth and bunch grass
- 40.01 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.
 N 52° on N. half and S 11° on S. half -
 Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dia.
 and raise a mound of earth 3 1/2 ft. long, 1 1/2 ft.
 high. No. of sec.
- 52.00 Top of sand ridge bears N.W. and S.E., Level rolling
 level bears N.W. and S.E. Enter hilly land.
- 61.46 Top of descent in depression bears N.W. and S.E.
 drains to the N.W. sec.
- 72.00 Top of sand ridge bears N.W. and S.E. desc.
- 80.02 The cor. of sec. 2, 3, 10, and 11, hereinbefore described.
 Land rolling and hilly.
 Soil sandy 3rd rate.
 No timber

- N 0° 01' W. on a random line bet. sec. 2, and 3.
- 40.00 Sec temp. 1/4 sec. cor.
- 80.06 Intersect N. lks. of N₁ 3 lks. N. 89° 58' E. of the cor. of sec.
 2, 3, 34, and 35, ^{recently estab. by me and described in Exterior Book "AM"} thence S run
 S 0° 02' E on a true line bet. sec. 2 and 3.
 Over rolling sandy land, through sage and greasewood
 brush undergrowth and bunch grass.
- 6.35 Dry ravine 25 lks. wide 10 ft. deep. Course S.W.
- 13.19 Old road bears N 25° E. and S 25° W.
- 16.00 Level rolling land bears N.E. and S.W. Enter hilly
 land., descend steep N.W. slope of mesa.
- 21.50 Top of steep ascent. on N. edge of mesa 100 ft.

BOOK 2613

- high toward N.E. and S.W. desc. gradually
- 31.60 Dry ravine course S.W. and
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30 W. half and S 2. on E. half. Raise a mound of stone 2 ft. base, $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
- 42.00 Top of rocky ridge toward N.E. and S.W. desc.
- 55.00 Foot of descent in depression toward E. and W., drained to the west. arc.
- 73.00 Top of sand ridge toward E. and W. desc.
- 80.06 The cor. of sec. 2, 3, 10, and 11, heretofore described. Land rolling and hilly. Soil sandy and stony 3rd and 4th rate. No timber

November 5th 1910.

November 7th 1910
 At 7^h 44^m a.m. l.m.t. I set off.
 35^o 41' N. on the lat. arc. 16^o 05' S. on the decl. arc and determine a meridian with the solar alt. the cor. of sec. 3, 4, 33, and 34 on S. ldy. of N/27 N. ~~re-established~~ re-established by me & described in Exterior Book "AL" there is a run

N 0^o 02' W. bet. sec. 33 and 34.

Over rolling sandy land through sage and greasewood brush, and bunch grass.

- 38.35 Dry ravine 30 lbs. wide 3 ft. deep. course S.E.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground, for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 35 W. half and S 34 on E. half. Dig pits 18 x 18 x 12 in. N. and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, $\frac{1}{2}$ ft. high W. of cor.
- 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 27, 28, 33, and 34, marked on brass cap T 27 N, S 28 in N.W., R 13 E. S 27 in N.E. S 34 in S.E. and S 33 in S.W. quadrant. Dig pits 18 x 18 x 12 in. 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. No timber

Subdivision of T₁/4 27 N., R13E.

Chain

- 40.00 W 89° 59' E. on a random line bet. sec. 27 and 34
Set temp 1/4 sec. cor.
- 79.96 Intersect. N. and S. line 8 lks. S. of the cor. of sec. 26
27, 34 ^{herebefore described} and 35 ^{thence} Drum
S 89° 56' W. on a true line bet. sec. 27 and 34.
Descend W. slope over rolling sandy land through
sage and greasewood brush undergrowth and bunch
grass.
- 1.40 Dry ravine 15 lks. wide 3 ft. deep course S.W.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for 1/4 sec. cor. marked out brass cap.
1/4 S 27 on N. half and S 34 on S. half.
Dig pits 18 x 18 x 12 ins. E and W. of post 3 ft. dia.
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high
W. of cor.
- 46.41 Old road, bears N. and S.
- 54.00 Left bank of the De Nebeto Wash. 25 ft. high. bears N. and
S. bears undergrowth
- 56.50 Right bank of the De Nebeto Wash. 25 ft. high. bears
N and S. Enters undergrowth
- 79.96 The cor. of sec. 27, 28, 33, and 34, herebefore described.
Land rolling
Soil sandy 3rd rate.
No timber

- 40.00 N 0° 02' W. bet. sec. 27 and 28
Over rolling sandy land through sage and greasewood
brush undergrowth and bunch grass.
Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground. for 1/4 sec. cor. marked out brass cap 1/4
S 28 on W. half and S 27 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 1/2 ft. base, 1 1/2 ft. high
W. of cor.
- 40.60 Dry ravine 40 lks. wide 8 ft. deep. course East.
- 51.00 At point 25 lks. W. of Navajo. Hogan
- 80.00 Set an iron post 3 ft. long 2 ins. in diam., 24 ins.
in the ground for cor. of sec. 21, 22, 27, and 28.
marked out brass cap T 27 N. S 21 in N.W., R13E.
S 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each. sec. 5 1/2 ft. dia. and.

Subdivision of T₁₆, R13E.

16

Chain

BOOK 2613

- raise a mound of earth 4 ft. base, 2 ft. high. W. of
Cor.
Land rolling.
Soil sandy 3rd rate.
No timber
- N 89° 56' E. on a random line bet. sec. 22 and 27.
40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.98 Intersect N. and S. line 3 lks. N. of the cor. of
sec. 22, 23, 26, and 27, ^{heretofore described} three 3rd sec.
S 89° 57' W. on a true line bet. sec. 22 and 27.
Descend W. slope over hilly, sandy land through
sage and greasewood, brush undergrowth and bunch
grass.
- 21.00 Ravine 10 lks. wide 20 ft. deep, stream of alkali water
12 ins wide 1 in. deep course S.W. and.
- 22.00 Top of ridge 20 ft. above ravine bears N. and S.
dies.
- 23.90 Dry ravine course S.W. and.
- 25.00 Top of sand ridge bears N.E. and S.W. dies.
- 39.99 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked on hard cop.
 $\frac{1}{4}$ S 22 on N. half and S 27 on S. half
Dig pits 18x18x12 ins. East W. of post 3 ft. dish and
raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. N. of
Cor.
- 46.00 Hook of descent in the De Nebeto Valley. Leave hilly
land bears N 30° W. and S 30° E., enter rolling hilly
land
- 46.65 Old road bears N. and S.
- 74.45 Lf. bank of the De Nebeto Wash 25 ft. high bears N.W.
and S.E. Grass undergrowth
- 76.40 Right bank of the De Nebeto Wash. bears N.W. and S.E.
Enter undergrowth.
- 79.98 This cor. of sec. 21, 22, 27, and 28, heretofore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

NOTE Ob. the $\frac{1}{4}$ sec. cor. bet. sec. 22 and 27, ^{above described} set off 16° 11' S.
on the decl. arc and ob. noon observe the sun on

Chains

the meridian the resulting latitude being 35° 45' 11".

N 0° 02' W. bet. sec. 21 and 22.

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 21 on W. half and S 22 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 1/2 ft. base, 1 1/2 ft. high W. of cor.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 15, 16, 21 and 22

marked on brass cap T 27 N. S 16 in N.W. R 13 E S 15 in N.E. S 22. in S.E. and S 21 in S.W. quadrant.

Dig pits 18 x 18 x 12 ins. in each sec. 5 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.
No timber

S 89° 57' E on a random line bet. sec. 15 and 22.

40.00 Set temp 1/4 sec. cor.

79.96 Intersect N. and S. line ab. the cor. of sec. 14, 15, 22. and 23, ^{where before described} thence from

S 89° 57' W. on a true line bet. sec. 15 and 22.

Over rolling sandy mesa land through sage and greasewood brush undergrowth and bunch grass.

30.25 West edge of mesa. Pass N. and S., Leave rolling land bears N. and S. Enter hilly land bears N. and S. descends steep W slope of mesa.

39.98 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 15 on N. half and S 22 on S. half

Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. (Pit impracticable)

53.00 Foot of descent in the De Nebito Valley, leave hilly land bears N. and S., Enter rolling land.

53.70 Old road bears N. and S.

18

Chain

BOOK 2613

- 62.00 Left bank of the De Nebito Wash. 25 ft. high. bank N. and S. Land undergrowth.
- 65.65 Right bank of the De Nebito Wash 25 ft. high bank N. and S. Enter undergrowth.
- 79.96 The cor. of sec. 15, 16, 21 and 22, herebefore described. Land rolling and hilly. Soil sandy 3rd rate. No timber

November 7th 1910

November 10th 1910, Oh. 8^h 14^m A.M. L.M.T. Dreb off $35^{\circ} 43' 2''$ N. on the lat. arc. $16^{\circ} 58' 2''$ S. on the decl. arc. and determined meridian with the solar alt. the cor. of sec. 15, 16, 21 and 22. Hence Drum Wood 2nd W. bet. sec. 15 and 16.

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 $\frac{1}{4}$ sec. cor. marked on brass cap $14^{\circ} 51' 6''$ on W. half and 315° on E half. Dig pits $18 \times 18 \times 12$ 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.

- 70.00 Intersect Right bank of the De Nebito Wash in land. bank N.W. and S.E. Land undergrowth, thence in bed of wash.

- 74.90 Right bank of the De Nebito Wash 25 ft. high. bank N.E. and S.W. Enter undergrowth

- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 9, 10, 15 and 16 marked on brass cap T 27 N. S 9 in N.W., R 13 E S 10 in N.E. S 15 in S.E. and S 16 in S.W. quadrant. Dig pits $18 \times 18 \times 12$ 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.

Soil sandy 2nd and 3rd rate.

No timber

- 40.00 Set temp $\frac{1}{4}$ sec. cor. N 89^o 57' E on a random line bet. sec. 10 and 15

Subdivision of Tp 27N, R 13E

19

Chain

- 79.92 Intersect N. and S. line at the cor. of secs. 14, 11, 14
 heretofore described
 and 15, ¹ thence Iron
 S 89° 57' W. on a true line bet. secs. 10 and 15
 Ascend gentle N.E. slope over rolling sandy land
 through sage and greasewood bush undergrowth
 and bunch grass.
- 17.70 Top of arcuate on E. edge of mesa bears N.E. and S.W.
 thence over rolling land.
- 39.96 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 10
 on N. half and S. 15 on S. half
 Dig pit 18 x 18 x 12 ins. East 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.
- 54.70 West edge of mesa bears N and S. Over rolling
 land bears N. and S. Enter hilly land; desc steep
 W. slope of mesa
- 63.75 Foot of steep descent. Leave hilly land bears N and
 S. Enter rolling land.
- 63.95 Old road bears N. and S.
- 74.60 Left bank of the De Nebeto Wash 20 ft. high bears
 N. and S. Over undergrowth bears N. and S
- 76.80 Right bank of the De Nebeto Wash bears N. and
 S. Enter undergrowth.
- 79.92 The cor. of secs. 9, 10, 15, and 16, heretofore described
 Sand, rolling and hilly
 Soil sandy 2nd and 3rd rate.
 No timber

N 0° 02' W. bet. secs. 9 and 10.

Over rolling sandy and adobe land, through sage
 and greasewood bush undergrowth and bunch
 grass.

32.00 Begin gradual arcuate over S.E. 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 9
 on W. half and S 10 on E half.

Dig pit 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.

NOTE At this cor. Desc. off. 17° 03' S. on the decl. arc, and

Subdivision of Twp 27 N., R 13 E.

Chain

BOOK 2613

at noon observe the sun on the meridian and obtain a reading of $35^{\circ}45'$ N. on the lat. arc
 80.00 Set an iron post 3 ft. long 2 ins. in diam 24 ins in the ground for cor. of sec. 3, 4, 9 and 10 marked on brass cap. 427 N, 34 in N.W., R 13 E 33 in N.E., 310 in S.E. and 39 in S.W. quadrants
 Dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. diam. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

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

$N89^{\circ}57'$ E. on a random line bet. sec. 3 and 10.
 40.00 Set temp $\frac{1}{4}$ sec. cor.

79.94 Intersect N. and S. line 5 lks. S. of the cor. of sec. 2
^{heretofore depicted}
 3, 10, and $11\frac{1}{2}$ thence I run

$S89^{\circ}55'$ W. on a true line bet. sec. 3 and 10.
 Descend steep W. slope of mesa over broken hilly land through sage and greasewood brush undergrowth and bunch grass.

30.00 Foot of steep descent in De Nebeto Valley. Leave broken hilly land head N.E. and S.W. Enter rolling land.

30.52 Old road head $N15^{\circ}E.$ and $S16^{\circ}W.$

31.40 Left bank of the De Nebeto Wash 20 ft. high. head $N15^{\circ}E$ and $S16^{\circ}W.$ Leave undergrowth.

37.00 Right bank of the De Nebeto Wash. 25 ft. high. head $N16^{\circ}E.$ and $S16^{\circ}W.$ Enter undergrowth.

39.97 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. 143 on N. half and 310 on S. half.
 Dig pits $18 \times 18 \times 12$ ins. East W. of post. 3 ft. diam. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

55.00 Begin gradual ascent over rolling S.E. slope.

79.94 The cor. of sec. 3, 4, 9, and 10, heretofore described.
 Land rolling hilly and broken.
 Soil sandy, adobe, and stony 3rd and 4th rate.
 No timber

Subdivision of Tp 27N, R13E.

Chain

- 40.00 No 02' W. on a random line bet. sec. 3 and 4
Set trap 1/4 sec. cor.
- 80.14 Intersect N. bdy of Tp. 5 lks. N 89° 58' E. of the cor. of sec. 3 4 33
recently estab. by road and described in Exterior Book "AM"
and 3/4 1/2 the 1/2 D run
- 22.00 S 0° 04' E. on a true line bet. sec. 3 and 4
around NW. slope over hilly sandy land through sage and
greasewood bush undergrowth and bunch grass.
- 40.14 Top of sand ridge bears N 45° E. and S 45° W., leave hilly
land bears N.E. and S.W. Enter rolling land, desc. gently
S.E. slope
- 40.14 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground.
for 1/4 sec. cor. marked on base of 1/4 3/4 on W. half and
S 3. on E. half
- 56.50 Dig pits 8x18x12 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.
- 62.50 Pyramine 25 lks wide curved east. arc.
- 80.14 Top of ridge 20 ft above pyramine bears N.E. and S.W.
desc. gently.
- 80.14 The cor. of sec 3, 4, 9 and 10, heretofore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber.

November 10th 1910.

1910. Oct
- 7.50 Norm bet 8th 7th 44^m a.m. l.m.t. Set off 35° 41' N.
on the lat. arc. 16° 22' S, on the decl. arc and determine
azimuth with the solar on the cor. of sec. 4, 5.
recently estab. by me and described in Exterior Book "AL"
32 and 33. on S. bdy of Tp. 1/2 the 1/2 D run
 - 23.00 No 03' W. bet. sec. 32 and 33.
Over rolling sandy and adobe land through sage and greasewood
bush undergrowth and bunch grass.
 - 23.00 Leave rolling land bears N.E. and S.W. Enter hilly land
around S.E. slope
 - 29.00 Top of clay ridge bears E. and W. desc. steeply.
 - 40.00 Foot of steep descub. desc. gradually
 - 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 of 1/4 3/2 on
W. half and S 33 on E. half.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable
This cor. is situated at foot of descub. in depression
bears E and W. drains to the east. arc.

22

Chain

BOOK 2613

- 48.95 Top of clay ridge bears E. and W. desc.
- 53.00 Poth of debris in depression bears E. and W. drains East.
- 64.00 Top of rocky ridge bears E. and W. desc.
- 68.30 Dry ravine crossed east. asc.
- 72.00 Top of arcut on S. edge of mesa 100 ft. high. bears N.E. and S.W. Leads hilly land bears N.E. and S.W., Enter rolling sandy mesa land
- 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 28, 29, 32 and 33. marked on brass cap T₂₇N. S 29 in N.W., R13E. S 28 in N.E. S 33 in S.E. and S 32 in S.W. quadrant.
Dig pits 18x18x12 in. in each sec. 5 1/2 ft. diam. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land rolling and hilly.
Soil sandy, clayey, and stony 3rd and 4th rate.
No timber

- N 89° 59' E. on a random line bet. sec. 28 and 33.
- 40.00 Set tang 1/4 sec. cor.
- 80.08 Intersect N. and S. line 5 lbs. S. of the cor. of sec. 27, 28, 33 and ^{heretofore described} 34. ~~thence~~ Drum
S 89° 57' W. on a true line bet. sec. 28 and 33.
Over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 18.00 Leads rolling land bears N. and S. Enter hilly land. Arcend steep E. slope of mesa.
- 40.04 Set an iron post. 3 ft. long, 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap. S 28 on N. half and S 33 on S. half.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.
- 67.00 Top of steep arcut on E. edge of mesa. Leads hilly. Land bears N. and S. Enter rolling land.
- 80.08 The cor. of sec. 28, 29, 32, and 33, heretofore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

N 0° 03' W. bet. sec. 28 and 29.

Over rolling sandy land through scattering sage and

Chains

17.50 Top of sand ridge bears N.E. and S.W., bears rolling land bears N.E. and S.W., Enter hilly land, desc. steep N. slope.

23.10 Dry ravine bears E. arc.

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 27 or W. half and S 28 or E. half.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable

42.75 Top of sand ridge bears E and W. desc.

72.00 Foot of descent in depression bears E and W, drains to the east. arc.

80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 20, 21, 28, and 29, marked on brass cap T 27 N. S 20 in N.W., R 13 E. S 21 in N.E. S 28 in S.E. and S 29 in S.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 and hilly.
Soil sandy and stony 3rd rate.
No timber

NOTE Ob. this cor. Det. off. $16^{\circ}28\frac{1}{2}'$ S, on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $35^{\circ}43'$ N. on the lab. arc.

N 89° 57' E. on a random line bet. secs. 21 and 28.

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

80.06 Intersect N. and S. line at the cor. of secs. 21, 22, 27 and 28, ^{per instructions} thence thence

S 89° 57' W. on a true line bet. secs. 21 and 28.

Around E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

40.03 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 21 or N. half and S 28. or 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.

24

Chain

BOOK 2613

54.00 Leave rolling land bears N.E. and S.W., Enter hilly land bears N.E. and S.W. ascend steep S.E. slope of mesa.

68.10 Top of steep ascent on E. edge of mesa, leave hilly land bears N.E. and S.W., Enter rolling sandy mesa land.

80.06 The cor. of secs. 20, 21, 28 and 29, heretofore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

N 0° 03' W. bet. sec. 20 and 21.

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 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap "45 20 on W. half and S 21 on E half.

Dig pit 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.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 16, 17, 20 and 21, marked on brass cap T 27 N. S 17 in N.W., R 13 E. S 16 in N.E. S 21 in S.E. and S 20 in S.W. 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.

Soil sandy 3rd rate.

No timber

N 89° 57' E. on a random line bet. sec. 16 and 21.

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

80.04 Intersect N and S. line 5 lbs. S. of the cor. of sec. 15-
heretofore described
16, 21, and 21 thence thru

S 89° 55' W. on a true line bet. sec. 16 and 21.

Ascend S.E. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

25.00 Leave rolling land bears N. and S., Enter hilly land.

Subdivision of N. 27 N., R 13 E.

begin

- 37.00 Begin abrupt ascent over sandstone bluffs.
- 40.02 See 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 16 on N. half. and S 21 on S. half. Raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
- 43.20 Top of ascent on E. edge of mesa 30 ft. above the 1/4 sec. cor. bears N.E. and S.W., bears hilly land toward N.E. and S.W., Enter rolling sandy mesa land.
- 80.04 The cor. of secs. 16, 17, 20, and 21, heretofore described. Land rolling and hilly. Soil sandy 3rd rate. No timber

November 8th 1910.

1910
 November 11th at 8^h 44^m a.m. Local Sun off 35° 43 1/2' N. on the lat. arc. 17° 16 1/2' S. on the decl. arc and determined a meridian with the solar at the cor. of secs. 16, 17, 20, and 21, ^{heretofore described} ~~the~~ ^{the} ~~same~~ ^{same} ~~Drum~~

N 0° 03' W. lat. sec. 16 and 17.
 Round S. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass

- 10.00 Top of sand ridge bears E. and W. dec. gently.
- 16.00 By ravine course N.E. arc.
- 40.00 See 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 17 on W. half and S 16 on E. half. Dig pits 18 x 18 x 12 ins. N. and S. of post. 3 ft. dish and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
- 47.75 Top of sand ridge bears E. and W. dec.
- 49.00 Foot of descent in depression bears N.W. and S.E. drains to the S.E. arc.
- 58.25 A point from which a deserted Indian Hogan bears E. and W. 230 lbs. dist.
- 80.00 See an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 8, 9, 16, and 17 marked on brass cap T 27 N. S 8 in N.W., R 13 E S 9 in N.E. S 16 in S.E. and S 17 in S.W. quadrant. Raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable

Land rolling and hilly.
Soil sandy 3rd rate.
No timber

$N89^{\circ}55'E$. on a random line bet. sec. 9 and 16.

40.00 Sub top. $\frac{1}{4}$ sec. cor.

80.02 Intersect 7. and S. line 6 lks. N. of the cor. of sec.
9, 10, 15 and 16 ^{heretofore described} three 3 run

$S89^{\circ}57'W$. on a true line bet. sec. 9 and 16.

Over rolling sandy land through scattering sage and
greasewood bush undergrowth and bunch grass.

25.00 Begin gradual ascent over E. slope.

40.01 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 9 on N. half and S 16 on S. half.

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

80.02 The cor. of sec. 8, 9, 16 and 17, heretofore described.

Land rolling
Soil sandy 3rd rate.
No timber

$N0^{\circ}03'W$. bet. sec. 8 and 9.

Over rolling sandy land, through sage and greasewood
bush undergrowth and bunch grass.

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 8
on W. half and S 9 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.

54.00 Shallow depression heard N.W. and S.E. drains to
the S.E. are gently.

68.00 Top of sand ridge about 10 ft. high. heard East W.
dist.

80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24
ins. in the ground for cor. of sec. 4, 5, 8 and 9.
marked on brass cap T 27 N. S 5 in N.W., N 13 E 3
4 in N.E. S 9 in S.E. and S 8 in S.W. quadrants.

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 rolling.
Soil sandy 3rd rate.
No timber

NOTE At this cor. Dsch off. 17° 20' S on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 36° 45 1/2' N. on the lab. arc.

N 89° 57' E on a random line bet. sec. 4 and 9,

40.00 Sch temp. 1/4 sec. cor.

80.00 Intersect N. and S. line 5 lbs. S. of the cor. of sec. 3, 4, 7 and 10, ^{heretofore described} thence S run S 89° 55' W. on a true line bet. sec. 4 and 9.

Over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

23.00 Leave rolling land to run N.E. and S.W. Enter hilly land. ascend steep S.E. slope.

30.60 Top of steep ascent to run N.E. and S.W., leave hilly land to run N.E. and S.W. Enter rolling sandy land.

40.00 Set an iron post 3 ft. long 1 in. in diam 26 in. in the ground for 1/4 sec. Cor. marked on brass cap. 14 S 4 on N. half and S 9 on S. half.

Dig pits 18x18x12 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.

80.00 The cor. of sec. 4, 5, 8, and 9, heretofore described. Land rolling and hilly. Soil sandy and stony 3rd and 4th rate. No timber.

N 0° 03' W. on a random line bet. sec. 4 and 5

40.00 Sch temp 1/4 sec. cor.

80.14 Intersect N. line of T₁₀ 27 N. 10 lbs. N 89° 58' E of the cor. of sec. 4, 5, 32 and 33, ^{recently estab. by specific description in Exterior Book "AM"} thence S run

S 0° 07' E. on a true line bet. sec. 4 and 5.

Ascend gradually over N. slope, through scattering sage and greasewood brush undergrowth and

Subdivision of Twp 27 N., R 13 E.

28

Chains

BOOK 2613

- 36.00 bunch grass
Top of gradual ascent on sand ridge bears E. and W. line. gentle S. slope.
- 40.14 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 $\frac{1}{4}$ S 50 W. half and S 40 W. E. half
Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dish. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.
- 65.00 Foot of descent in depression bears E. and W. chains to the east. asc. gently.
- 80.14 The cor. of sec. 4, 5, 8, and 9, heretofore described.
Land rolling.
Soil sandy 3rd rate.
No timber

November 11th 1910.

- 1910
November 9th Ab. 7^h 14^m a.m. l.m.t. I set off.
35° 41' N. on the lat. arc. 16° 33' S. on the decl. arc and determine a meridian with the solar ab. the cor. of sec. 5, 6, 31 and 32. ^{recently estab. by me and described in Exterior Book "A"} of Twp. 27 N. R. 13 E. D. line
N 90° 03' W. bet. sec. 31. and 32.
Over rolling sandy mesa 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 $\frac{1}{4}$ sec. cor. marked out brass cap $\frac{1}{4}$ S 31 W. half and S 32 W. E. half.
Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dish. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high. W. of cor.
- 45.76 Dry ravine 25 lbs. wide course east. asc. gradually.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 29, 30, 31 and 32. marked out brass cap T 27 N. S 30 in N.W. T 13 E. S 29 in N.E. S 32 in S.E. and S 31 in S.W. quadrant.
Dig pits 18 x 18 x 12 ins. in each sec. 5 ft. dish. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land rolling
Soil sandy 3rd rate.
No timber

Subdivision of Twp 27 N., R 13 E.

Chain

29

- N $89^{\circ}59'E$. on a random line bet. sec. 29 and 32.
 40.00 Set temp. $\frac{1}{4}$ sec. corr.
 80.00 Intersect N and S. line 2 lks. S. of the cor. of sec.
 28, 29, 32 and ~~31~~ ^{heretofore described} thence $\frac{1}{4}$ sec.
 S $89^{\circ}58'W$. on a true line bet. sec. 29 and 32.
 Ascend E. slope over gently 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 in.
 in the ground for $\frac{1}{4}$ sec. cor. marked on brass
 cap "4 S 29 on N. half and S 32 on S. half."
 Dig pits 18x18x12 in. 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 The cor. of sec. 29, 30, 31 and 32, heretofore described.
 Land rolling.
 Soil sandy & grate.
 No timber
-
- S $89^{\circ}59'W$. on a random line bet. sec. 30 and 31
 40.00 Set temp. $\frac{1}{4}$ sec. corr.
 78.68 Intersect the 3rd Guide Meridian East. 2 lks. S.
 of the cor. of sec. 28, 30, 31, and 36, ^{recently estab. by me and described in Standard Book "P"} thence $\frac{1}{4}$ sec.
 East on a true line bet. sec. 30 and 31
 Descend N.E. slope over rolling sandy land through
 scattering sage and greasewood brush undergrowth
 and bunch grass.
 38.68 Set an iron post: 3 ft. long 1 in. in diam. 26 in. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.
 "4 S 30 on N. half and S 31 on S. half."
 Dig pits 18x18x12 in. 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.
 78.68 The cor. of sec. 29, 30, 31, and 32, heretofore described.
 Land rolling
 Soil sandy & grate.
 No timber
-
- NOTE Ob. this cor. Det. off. $16^{\circ}46'S$. on the decl. arc.
 and at noon observe the sun on the meridian
 and obtain a reading of $35^{\circ}42'N$. on the lab. arc.

N 0° 03' W. bet. secs. 29 and 30.

Around S.E. slope over rolling sandy mesa land through sage and greasewood brush undergrowth and bunch grass.

36.00 Top of sand ridge toward N.E. and S.W. desc.

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 30 on W. half, and S 29 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 19, 20, 29, and 30. marked on brass cap T 27 N. S 19 in N.W., R 13 E.

S 20 in N.E. S 29 in S.E. and S 30 in S.W. quadrants. 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.

Soil sandy 3rd rate.

No timber.

N 89° 58' E. on a random line bet. secs. 20 and 29.

40.00 Set top $\frac{1}{4}$ sec. cor.

80.04 Intersect N and S. line 2 lbs. S. of the cor. of secs. 20, 21, 28, and 29, ^{heretofore described} thence drum.

S 89° 57' W. on a true line bet. secs. 20 and 29.

Around S.E. slope over rolling sandy mesa land through sage and greasewood brush undergrowth and bunch grass.

40.02 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 20 on N. half and S 29 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.

80.04 The cor. of secs. 19, 20, 29, and 30, heretofore described.

Land rolling.

Soil sandy 3rd rate.

No timber.

November 9th 1917.

Subdivision of Twp 27 N., R 13 E.

Chains

November 12th ¹⁹¹⁰ A.M. 8^h 14^m a.m. l.m. l-D. reb. off.
 35° 43' N. on the lab. arc. 17° 32' S. on the decl. arc.
 and determine a meridian with the solar at the
 cor. of sec. 19, 20, ^{hereinbefore described} 29, and 30. thence I run
 West. on a random line bet. sec. 19 and 30.

40.00 Set temp 1/4 sec. cor.

78.52 Intersect the 3rd Guide Meridian East. 5 lbs 76.
 of the cor. of sec. 19, 24, 25 and 30 ^{recently estab. by me & described in Standard Book "P"} thence I run
 N 89° 58' E. on a true line bet. sec. 19 and 30.

Over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.

38.62 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 19° W. half and S 30.° W. 3/4.

Dig pits 18 x 18 x 12 ins. E and W. of post 3 ft. dist.
 did raise a mound of earth 3/4 ft. base 1 1/2 ft. high.
 W. of cor.

78.52 The cor. of sec. 19, 20, 29 and 30, hereinbefore described.

Land rolling.
 Soil sandy 3rd rate.
 No timber.

N 0° 03' W. bet. sec. 19 and 20.

Over rolling sandy mesa 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 19° W. half and S 20° W. E. half

Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.
 did raise a mound of earth 3/4 ft. base 1 1/2 ft.
 high. W. of cor.

42.00 Begin gradual ascent over S.E. slope.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins.
 in the ground for cor. of sec. 17, 18, 19, and 20.
 marked on brass cap T 27 N. S 18 in N.W. R 13 E.

S 17 in N.E. S 20 in S.E. and S 19 in S.W. quadrant.

Dig pits 18 x 18 x 12 ins. in each sec. 5/4 ft. dist.
 did raise a mound of earth 4 ft. base 2 ft.
 high. W. of cor.

Land rolling.
 Soil sandy 3rd rate.

Subdivision of N¹/₄ 27 N., R13E.

Chains

BOOK 2618

No timber

40.00 $N89^{\circ}57'E$ on a random line bet. sec. 17 and 20. Set temp. $\frac{1}{4}$ sec. cor.

80.04 Intersect. N. and S. line 3 lks. S. of the cor. of sec. 16, 17, 20 and 21, ^{heretofore described} thence S run.

$S89^{\circ}56'W$. on a true line bet. sec. 17 and 20.

40.02 Over rolling sandy mesa land through sage and greasewood bush undergrowth and bunch grass. Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap.

80.04 $\frac{1}{4}$ S 17 on N. half and S 20 on S. half. Dig pits 18x18x12 in. E. & 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. The cor. of sec. 17, 18, 19, and 20, heretofore described.

Land rolling.
Soil sandy 3rd rate.
No timber.

NOTE At this cor. set off $17^{\circ}36'$ S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $35^{\circ}43\frac{1}{2}'$ N. on the lat. arc.

40.00 $S89^{\circ}58'W$. on a random line bet. sec. 18 and 19. Set temp. $\frac{1}{4}$ sec. cor.

78.34 Intersect. the 3rd Guide Meridian, East. 5 lks. S. of the cor. of sec. 13, 18, 19 and 24, ^{recently estab. by me and described in Standard Book "P"} thence S run. East on a true line bet. sec. 18 and 19.

38.34 Around N.W. slope over rolling sandy land through sage and greasewood bush undergrowth and bunch grass. Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 18 on N. half and S 19 on S. half.

70.00 Dig pits 18x18x12 in. East 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.

78.34 Top of sand ridge bears N.E. and S.W. desc. The cor. of sec. 17, 18, 19, and 20, heretofore described.

Land rolling.
Soil sandy 3rd rate.
No timber.

Subdivision of No 2771, R13E.

Chains

33

- N 0° 03' W. beh. sec. 17 and 18.
Ascend S.E. slope over rolling sandy land through sage
and greasewood bush undergrowth and bunch grass
- 28.00 Top of sand ridge bears N.E. and S.W. 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. cor. marked on brass cap $\frac{1}{4}$ S
18 on W. half and S 17 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.
- 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins.
in the ground for cor. of sec. 7, 8, 17 and 18.
marked on brass cap T 2771. S 7 in N.W., R 13 E 38
in N.E., S 17 in S.E. and S 18 in S.W. quadrants.
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.
Soil sandy 3rd rate.
No timber
-
- N 89° 56' E on a true line beh. sec. 8 and 17.
- 40.00 Set two $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 5 lks. S. of the cor. of sec.
8, 9, 16, and 17, ^{hereinbefore described} three Drums.
S 89° 54' W. on a true line beh. sec. 8 and 17.
Ascend. S.E. slope over rolling sandy land through
scattering sage and greasewood bush undergrowth
and bunch grass.
- 6.00 Top of sand ridge bears N.E. and S.W. desc.
- 40.01 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 8 on W. half and S 17 on S. half.
Dig pits 18 x 18 x 12 ins. East-W. of post 3 ft. dist.
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high.
N. of cor.
- 59.50 Mouth of draw in depression bears N. and S. drains
to the north. are.
- 80.02 The cor. of sec. 7, 8, 17 and 18, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.

No timber

Norm Feb 12th 1910

1910
 Norm br 14th Ch. 7^h 45^m a.m. l.m.t. - S. off $35^{\circ}44\frac{1}{2}'$
 N. on the lat. arc. $18^{\circ}02\frac{1}{2}'$ S. on the decl. arc. and determined
 a meridian with the solar at the cor. of secs. 7, 8,
 17 and 18, ^{heretofore described} three Drums.

Went on a random line bet. secs. 7 and 18.

40.00 S. temp $\frac{1}{4}$ sec. cor.

78.20 Intersect the 3rd Little Meridian East, 8 lko. N. of
 the cor. of secs. 7, 12, 13, and 18, ^{recently estab. by me & described in Standard Book "P"} three Drums.

N $89^{\circ}57'$ E on a true line bet. secs. 7 and 18.

Ascend West slope over rolling sandy land through
 sage and greasewood bush undergrowth and bunch
 grass.

38.20 S. saw iron post, 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$
 from N. half and S 18 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.

78.20 The cor. of secs. 7, 8, 17, and 18, heretofore described.

Land rolling.

Soil sandy 3rd rate.

No timber

N $0^{\circ}03'$ W. bet. secs. 7 and 8.

Descend gradually over N.W. slope through scattering
 sage and greasewood bush undergrowth and bunch
 grass

9.0 Foot of descent in depression bears N.E. and S.W.
 drains to the N.E. arc. gradually.

40.00 S. and 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
 from N. half and 38 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.

80.00 S. and iron post 3 ft. long 2 in. in diam. 24 ins.
 in the ground for cor. of secs. 5, 6, 7 and 8, marked
 on brass cap T 27 N. S 6 in N.W., R 13 E. S 5 in N.E.

S 8 in S.E. and S 7 in S.W. quadrants.
 Dig pits 18 X 18 X 12 in. in e ach sec. 5 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.
 No timber

40.00 N 89° 54' E. on a random line bet. sec. 5 and 8.
 Septemp 1/4 sec. cor.
 80.02 Intersect N. and S. line 5 lks. N. of the cor. of sec. 4
 heretofore described
 5, 8, and 9, a three drum.

40.01 S 89° 56' W. on a true line bet. sec. 5 and 8.
 Around S.E. slope over rolling sandy land, through
 sage and greasewood brush undergrowth and
 bunch grass.
 Set an iron post 3 ft. long 1 in. in diam. 26 in. in
 the ground for 1/4 sec. cor. marked out brass cap. 455
 on N. half and 58 on S. half
 Dig pits 18 X 18 X 12 in. E and W. of post. 3 ft. dia. and
 raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high.
 W. of cor.

57.00 Top of gradual ascent. thence over nearly level
 land, slopes to S.W.

80.02 The cor. of sec. 5, 6, 7, and 8, heretofore described.
 Land rolling
 Soil sandy 3rd rate.
 No timber

NOTE On the 1/4 sec. cor bet. sec. 5 ^{above described} and 8, set off 18° 08' S. on
 the decl. arc and oh. noon observe the sun on the
 meridian and obtain a reading of 35° 45 1/2' N. on the
 lab. arc.

40.00 S 89° 57' W. on a random line bet. sec. 6 and 7,
 Set temp 1/4 sec. cor.
 78.10 Intersect the 3rd Guide Meridian East. 8 lks. S. of
 the cor. of sec. 7, 6, 7, and 12, a three drum.
 East. on a true line bet. sec. 6 and 7.
 Around S.W. slope over rolling sandy land through
 sage and greasewood brush undergrowth and
 bunch grass.

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38.10 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. N 56 on N. half, and S 7 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.

78.10 The cor. of sec. 5, 6, 7, and 8, heretofore described.
Land rolling.
Soil sandy, 3rd rate.
No timber

N 0° 03' W. on a random line bet. sec. 5 and 6.

40.00 Set trap $\frac{1}{4}$ sec. cor.

80.12 Intersect 71, E. line of Tp. 14 (N. 89° 58' E. of the cor. of sec. 5, 6, 7, and 8, ^{recently established by measurement described in Exterior Book "AM."} thence S run.

S 0° 09' E, on a true line bet. sec. 5 and 6.

Over rolling sandy land, through scattering sage and greasewood brush undergrowth and bunch grass

40.12 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 N 56 on W. half and S 5 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.

48.00 Top of sand ridge toward N.E. and S.W. desc

80.12 The cor. of sec. 5, 6, 7 and 8, heretofore described.

Land rolling.
Soil sandy, 3rd rate.
No timber

November 14th 1910.

General Description

The land in this township is hilly in the eastern and south western parts, rolling in the Western Northeastern and north western parts, and level in the central part along the De Veto Wash. and the soil ranges from sandy to stony. The soil of the bottom land along the De Veto

Wash. is a sandy loam, susceptible of irrigation and is capable of producing good crops.

The soil of the remaining portions of the township is very sandy and soil nearly all be classed as third rate, is covered with a heavy growth of bunch grass.

No timber is found in the township

The township is poorly watered by the spring in sec. 27, and the De Nebets Wash. which flows water only during the rainy season, and for a short time during the winter months.

No minerals or stone of a commercial value were found in the township.

There is one Navajo Indian family living in sec. 27.

John L. White
U.S. Transientman

U.S. TRANSITMAN
FINAL OATHS OF ~~DEPUTY SURVEYOR~~ 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 Subdivision
lines of Tp 27 N. R. 13 E., 3rd and 4th S.R., 2nd and 3rd M., Arizona.
showing the respective capacities in which they acted:

T. J. White, Chainman.

Oscar W. Fellers, Chainman.

Ralph C. Sampson, 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 Subdivision lines of Tp 27 N. R. 13 E.

of the Gila and Salt River Basins 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} surveyed, and the corner monuments established, according to the instructions furnished by the ~~United States Surveyor~~

~~General & Commissioner of the General Land Office~~

T. J. White, Chainman.

Oscar W. Fellers, Chainman.

Ralph C. Sampson, Moundman.

George B. Seig, Axman.

Nelson Polacca, Axman.

William R. Carson, Flagman.

Subscribed and sworn to before me this 14th
day of November, 1910

Van L. White

U.S. Transitman



120 39
BOOK 2613

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

I, Van L. White, U. S. Transitman
United States ~~Deputy Surveyor~~, do
solemnly swear that, in pursuance of Special Instructions received from The Commissioner of the General
~~United States Surveyor General for~~ Land Office, bearing date of the
2nd day of Oct. 1907 and this 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~~
of the General Land Office, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of the Subdivision lines of Township
No. 27 North of Range No. 13 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~~
of the General 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 12

Lytton R. Taylor,
U.S. Commissioner
at Las Vegas, N.M.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona APR 25, 1914

The foregoing field notes of the survey of the Subdivision lines of
Township 27 North, Range 13 East of the
Gila and Salt River Base and Meridian, Arizona.

executed by VAN L. WHITE, U.S. Transitman,
under Special Instructions from the Commissioner of the General Land Office,
~~dated~~ Oct. 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 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