

Subdivisional BOOKS

2623

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FIELD NOTES

BOOK 2623

OF THE SURVEY OF THE

Subdivision, lines of T^p 31 N. R. 17 E.

Of the *Gila and Salt River Base* Meridian,

in the Territory of Arizona

EXECUTED
AS ~~SURVEYED~~ BY

*Van L. White, U.S. Deedsman, ~~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 *April 13th* _____, 19*11*

Survey completed *April 24th* _____, 19*11*

NAMES AND DUTIES OF ASSISTANTS.

T. Y. White	Chairman
Richard L. Shumway	Chairman
George B. Seig	Moundman
Herbert Yestevq	Moundman
Nelson Polacco	Oxman
Earl Albright	Oxman
William R. Carson	Flagman

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BOOK 2623

Plat No. 2623

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PRELIMINARY OATHS OF ASSISTANTS.

WE, T. Y. White and Richard 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 Subdivision lines of Tp 31 N. R 17 E., G. & S. P. B. & M., Arizona.

T. Y. White, Chainman.
Richard L. Shumway, Chainman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

WE, George B. Seig and Herbert Yestewa
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 Subdivision lines of Tp 31 N R 17 E., G. & S. P. B. & M., Arizona.

George B. Seig, Moundman.
Herbert Yestewa, Moundman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

WE, Nelson Polacco and Earl Albright
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 Subdivision lines of Tp 31 N. R 17 E., G. & S. P. B. & M., Arizona.

Nelson Polacco, Axman.
Earl Albright, Axman.

Subscribed and sworn to before me this 24th
day of March, 1911



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 the Subdivision lines of Tp 31 N. R. 17 E., G. & S. P. B. & M., Arizona.

William R. Carson, Flagman.

Subscribed and sworn to before me this 24th
day of March, 1911



Van L. White
U.S. Transitman

Survey commenced April 13th 1911: and executed with a W. & L. E. Gurley engineers transit No. 76. with a Bush solar attachment. The horizontal limb being provided with one double vernier reading to single minutes of arc. The verniers of the latitude and declination arcs read to 0' 30" of arc.

Examine the adjustments of the transit and find them perfect, and know from recent tests of the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, that the instrument is in satisfactory adjustment.

For last complete test of the instrument see the field notes of the Survey of the North boundary of Twp 31 N, R 17 E. in Exterior Book "AV".

I begin at the witness cor. to cor. of sec. 1, 2, 35 and 36, ^{established by Sidney E. Blout, Mar. 25, 1909,} which is an iron post 3 ins in diam 12 ins above ground, firmly set, marked on brass cap W.C. in N. half, R 17 E. in E. half. T 31 N, S 36 in N.E. T 30 N, S 1 in S.E. S 2 in S.W. and S 35 in N.W. quadrants, with pins 18 x 18 x 12 ins. N.E., S.E., S.W. and N.W. of post 5 1/2 ft. dist. and a mound of earth 4 ft. base 2 ft. high. W. of cor. latitude 36° 01' 54" N. longitude 110° 29' 07" W. Ah. 7^h 01^m a.m. l.m.t. Dreb off. 36° 02' N. on the lab. arc. 8° 48' N. on the decl. arc. and determine a meridian with the solar. ah. the above described cor., thence I run,

N. 89° 58' E., 600 chs. to point for cor. of sec. 1, 2, 35 and 36, thence I run,

N. 0° 01' W.; to p. Secs. 35 and 36,

Over level sandy cultivated bottom land.

17.00 The Craib Wash. 25 chs. wide 6 ft. deep course S 20° W.

36.80 Road to Craib Arizona bears E. and W.

37.00 Level cultivated land bears N 40° E 2000 chs. and S 40° W. 1500 chs. dist. Enter rolling land and greasewood brush undergrowth. are gentle S.E. slope.

40.00 Set a cedar post 3 ft. long 3 ins sq., with marked stone 24 ins. in the ground for 1/4 sec. cor. mark.

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- 1/4 S 35 on W. face and S 36 on E. face.
Dig pits 18x18x12 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.
- 52.18 Road bears E. and W. leads to Oraibi Arizona.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24
ins. in the ground for cor. of Secs. 25, 26, 35 and
36. marked on brass cap. T 31 N., S 26 in N.W. R 17
E. S 25 in N.E. S 36 in S.E. and S 35 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.
Road level and rolling
Soil sandy 2nd and 3rd rate.
No timber
- W. 89° 58' E., on a random line bet. secs. 25 and 36,
40.00 Set temp. 1/4 sec. cor.
- 80.02 Intersect E. ldy. of T₁/2; 8 lks. S. of the cor. of secs.
25, 30, 31, and 36, recently estab. by me as described in Exterior Book "AV,"
^{Thence 1 run}
S 89° 55' W., on a true line, bet. secs. 25 and 36,
Cor level sandy cultivated land,
4.80 The Oraibi Wash 100 lks. wide 10 ft. deep course
S 65° W.
- 21.00 Level cultivated land bears N.E. and S.W., Enter
scattering greewood brush undergrowth and
Lucull grass.
- 30.00 Road bears N 35° E. and S 35° W. leads to Oraibi
Arizona
- 30.50 Level land bears N.E. and S.W. Enter rolling
land bears N.E. and S.W. Ascend gently over S.E.
slope.
- 34.55 An Indian hogan bears North 200 lks. dist.
- 40.01 Set a cedar post 3 ft. long 3 ins. in diam. with
marked stone 24 ins. in the ground for 1/4 sec.
cor. marked 1/4 S 25 on N. face and S 36 on
S. face
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.
- 41.00 Road bears N 75° E. and S 75° W.

Subdivision of Tp 31 N, R 17 E.

Chain

- 44.20 A point from which an Indian Hog and bears
South 60 lbs. dish.
- 56.50 Top of stony ridge bears N. and S. deer.
- 75.00 Foot of descent in depression bears N. and S.
deers to the south and gently.
- 80.02 The cor. of secs. 25, 26, 35 and 36, hereinbefore described.
Land level and rolling.
Soil sandy and stony 2nd and 3rd rate.
No timber

N 90° 01' W, bet. sec. 25 and 26,

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

- 40.00 Set a cedar post 3 ft. long 3 in. sq., with marked
stone 24 in. in the ground for 1/4 sec. cor. marked
1/4 S 26 on W. face, and S 25 on E. face.
Dig pits 18x18x12 in. N. and S. of post 3 ft. dist.
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.
high. W. of cor.
- 80.00 Set an iron post 3 ft. long, 2 in. in diam. 24 in.
in the ground for cor. of secs. 23, 24, 25 and
26, marked on brass cap T 31 N, S 23 in N.W., R 17
E. S 24 in N.E., S 25 in S.E. and S 26 in S.W. quadrants.
Dig pits 18x18x12 in. in each sec. 5 1/2 ft. dist. and
raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
This cor. is situated at foot of gradual descent in depression.
Land rolling.
Soil sandy 2nd rate,
No timber

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

- 40.00 Set temp. 1/4 sec. cor.
- 79.96 Intersect E. liny. of Tp; 5 lkw. N. of the cor. of secs.
19, 24, 25 and 30, recently estab. by me as described in Exterior Book "AV,"
^{Thence, Iron}
S 89° 57' W, on a true line, bet. sec. 24 and 25.
Ascend S.E. slope, over rolling sandy land, through
scattering sage and greasewood brush under
growth and bunch grass
- 39.98 Set a cedar post 3 ft. long, 3 in. sq. with marked

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stone, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 24 on N. face, and S 25 on S. face.

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

NOTE: On this cor. Set off $8^{\circ}51\frac{1}{2}'$ N. on the decl. arc. and
 at noon observe the sun on the meridian and
 obtain a reading of $36^{\circ}03\frac{1}{2}'$ N. on the lab. arc.

67.00 Top of sand ridge bears N and S. dec. gradually
 over W. slope.

79.96 The cor. of secs. 23, 24, 25 and 26, hereinbefore described.
 Land rolling.

Soil sandy 3rd rate.

No timber

N. $0^{\circ}01'$ W., bet. secs. 23 and 24,

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

33.50 Top of rocky ridge 40 ft. high bears N 50° W. and
 S 50° E. dec.

40.00 Set a cedar post 3 ft. long. 3 ins. sq. with marked
 stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 23 on W. face and S 24 on E. face

Dry pits 18x18x12. 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.

52.00 Mouth of descent in depression bears E. and W. drains
 to the east. arc

56.50 Top of sand ridge bears E. and W. dec

77.85 Dry ravine 15 ft. wide course S 50° E. arc

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 T 31 N. S 14 in
 N.W., R 17 E S 13. in N.E. S 24 in S.E. and S 23 in
 S.W. quadrants.

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

Land rolling and hilly.

Soil sandy 3rd rate.

No timber

- N 89° 57' E on a random line bet. sec. 13 and 24.
 40.00 See temp. $\frac{1}{4}$ sec. cor.
 79.98 Intersect E. loby. of N. 3 lks. S. of the cor. of sec.
 13, 18, 19, and 24, recently estab. by me as described in Exterior Book "AV"
 Thence I run
 S. 89° 56' W, on a true line, bet. sec. 13, and 24,
 ascend S.E. slope over rolling sandy land. through
 sage and greasewood, brush undergrowth and
 bunch grass.
 39.99 See at cedar post 3 ft. long. 3 ins. sq. with marked
 stone, 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ S 13. on N. face and S 24 on S. face.
 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.
 73.50 Top of rocky ridge bears N. and S. desc.
 79.98 The cor. of sec. 13, 14, 23, and 24, hereinbefore described.
 Land rolling.
 Soil sandy and stony 3rd and 4th rate.
 No timber

April 13th 1911

- April 19th 1911
 Ch. 7^h 30^m a.m. l.m.l. See off. $36^{\circ} 04\frac{1}{2}'$ N.
 on the lat. arc. $10^{\circ} 56\frac{1}{2}'$ N, on the decl. arc and
 determine a meridian with the solar at the
 Cor. of sec. 13, 14, 23, and 24, ^{hereinbefore described} thence I run
 N. 0° 01' W, bet. sec. 13, and 14,
 ascend South slope over hilly, sandy and stony land.
 19.50 Top of sand ridge bears E. and W. desc.
 30.00 Enter scattering pinion pine and cedar timber
 bears N 40° E and S 40° W.
 32.80 Dry rocky ravine 20 lks. wide course East. and
 40.00 See a cedar post 3 ft. long. 3 ins. sq. 24 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 14 on W.
 face and S 13. on E. face. from which
 A cedar 12 ins. in diam. bears N 53° W. 125 lks. dist.
 marked $\frac{1}{4}$ S 14 B.T. and
 A cedar 7 ins. in diam. bears S 8 $\frac{3}{4}$ ° E. 120 lks.
 dist. marked $\frac{1}{4}$ S 13 B.T.
 47.00 Top of sand ridge 8 ft. above $\frac{1}{4}$ sec. cor. bears E. and
 W. desc.
 52.85 Dry ravine course N 50° E asc.
 58.00 Top of sand ridge bears N 50° E and S 50° W. desc.

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- 69.05 Dry ravine 10 lks. wide 8 ft. below top of ridge Course
N70°E. asc.
- 70.00 Top of sand ridge bears E. and W. desc
- 76.40 Dry ravine course S70°E. asc.
- 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 base cap T31N, S11 in NW, R17E S12.
in NE, S13 in SE. and S14 in SW. quadrants.
from which
- A cedar 14 ins. in diam. bears N63 $\frac{1}{4}$ °E 264 lks. dist.
marked T31N, R17E, S12 B.T.
- A cedar 12 ins. in diam. bears S82 $\frac{1}{4}$ °E 165 lks. dist.
marked T31N, R17E, S13 B.T.
- A cedar 12 ins. in diam. bears S46 $\frac{1}{2}$ °W 81 lks. dist.
marked T31N, R17E, S14 B.T. and
- A cedar 16 ins. in diam. bears N19 $\frac{1}{2}$ °W 366. lks.
dist. marked T31N, R17E, S11 B.T.
- Land hilly,
Soil sandy and stony 3rd and 4th rate.
Timber Cedar

- N89°56'E. on a random line bet. sec. 12 and 13.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect E. liny. of Np. 8 lks. N. of the cor. of
sec. 7, 12, 13, and 18. recently estab. by me as described in
Exterior Book "AV", thence I run,
- S89°59' W, on a true line, bet. sec. 12, and 13.
around NE. Slope over hilly, sandy and stony land
through scattering sage and greasewood bush,
undergrowth and bunch grass.
- 8.00 Enter scattering cedar timber bears N.E. and S.W.
- 13.75 Top of sand ridge bears N. and S. desc.
- 20.30 Dry rocky ravine 10 ft. below top of ridge course
S30°E. asc.
- 36.00 Top of sandy spur, bears N. and S. desc.
- 40.02 Set a cedar post 3 ft. long 3 ins. dia. 24 ins. in
the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S12 on N
face, and S13, on S. face. from which.
- A cedar 7 ins. in diam. bears N23 $\frac{1}{2}$ °W. 115 lks.
dist. marked $\frac{1}{4}$ S12 B.T.
- A cedar 8 ins. in diam. bears S23°W. 142 lks.
dist. marked $\frac{1}{4}$ S13 B.T.

Chain

Subdivision of T₃₁N, R₁₇E.

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- 49.50 Dry ravine 10 lks. wide Course South asc.
 53.00 Top of sandy spur, bears N and S. desc.
 74.80 Dry ravine 25 ft. below top of ridge Course S 30° E.
 asc.
 77.75 Top of ridge bears N and S. desc.
 80.04 The cor. of Secs. 11, 12, 13, and 14, hereinbefore described.
 Land hilly,
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar.

Wood 1 W. Cor. Secs. 11 and 12.

Ascend South slope over stony hilly land, through scattering cedar timber and sage brush undergrowth.

- 16.00 Top of sand ridge bears E and W. desc.
 17.30 Dry ravine Course S.W. asc.
 23.25 Top of sand ridge bears E and W. desc.
 26.65 Dry ravine Course S.W. asc.
 36.40 Top of sand ridge bears E and W. desc.
 40.00 Foot of descent in depression bears N.W. and S.E.
 drains to the S.E.

- Set a cedar post 3 ft. long 3 ins. sq. 24 ins.
 in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$
 S 11 on W. face and S 12 on E. face, from which
 a cedar 20 ins. in diam. bears S 15 $\frac{1}{2}$ ° E 75 lks.
 dist. marked $\frac{1}{4}$ S 12 B.T. and
 a cedar 12 ins. in diam. bears S 69 $\frac{1}{2}$ ° W 8 lks.
 dist. marked $\frac{1}{4}$ S 11 B.T.

NOTE: - At this cor. I set off 10° 59 $\frac{1}{2}$ ' N. on the decl. arc
 and at noon observed the sun on the meridian
 and obtain a reading of 36° 05 $\frac{1}{2}$ ' N. on the lat.
 arc.

- 48.00 Top of divide bears N 35° E. and S 35° W. desc.
 80.00 Set an iron post 3 ft. long 2 ins. in diam.
 24 ins. in the ground for cor. of secs. 1, 2, 11,
 and 12, marked on brass cap T 31 N, S 2 in N.W.
 R 17 E. S 1 in N.E., S 12. in S.E. and S 11 in S.W.
 quadrants, from which
 a cedar 14 ins. in diam. bears N 11 $\frac{1}{4}$ ° E 257 lks.
 dist. marked T 31 N, R 17 E. S 1 B.T.
 No other trees within limits
 Dig. pits 18 X 18 X 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist. and

Subdivision of Twp 31 N., R 17 E.

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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.

- W. 89° 59' E., on a random line, bet. secs. 1 and 12
 40.00 Set temp. 1/4 sec.
 80.00 Intersect E. ldy. of Twp, 12 lks. S. of the cor. of sec. 1, 6, 7, and 12, ^{recently established by me as described in Exterior Book "AV", thence I run,}
 S 89° 54' W., on a true line, bet. secs. 1 and 12,
 Ascend E. slope over hilly sandy land, through scattering sage and greasewood brush undergrowth and bunch grass
 12.00 Top of sand ridge bears N.W. and S.E. desc.
 14.45 Dry ravine 10 lks. wide course S 50° E. asc
 24.00 Top of sand ridge bears N. and S. desc.
 27.00 The same ravine 10 lks. wide course N.E. asc.
 40.00 Set a cedar post 3 ft. long 3 ins. S. of with marked stone 24 ins in the ground, for 1/4 sec. cor., marked 1/4 S.1. on N. face and S.12. on S. face.
 Dig. pits 18x18x12 ins E and W. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1/2 ft. high, N. of cor.
 50.00 Cut scattering cedar timber bears N. and S.
 64.00 Top of divide bears N 35° E. and S 35° W. desc over N.W. slope
 80.00 The cor. of secs. 1, 2, 11, and 12, hereinbefore described.
 Land hilly and rolling.
 Soil sandy 3rd rate.
 Timber Cedar

- N 0° 01' W. on a random line bet. secs. 1 and 2.
 40.00 Set temp. 1/4 sec. cor.
 80.10 Intersect N. ldy. of Twp. at the cor. of sec. 1, 2, 35, and 36, ^{recently established by me as described in Exterior Book "AV", thence I run,}
 S 0° 01' E., on a true line, bet. secs. 1 and 2,
 Descend S.E. slope over rolling sandy land, through scattering cedar timber and sage brush undergrowth and bunch grass

Subdivision of Twp 31 N., R 17 E.

Chains

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- 27.00 Leave timber bears E and W.
- 36.30 Road bears N 25° E and S 25° W.
- 40.10 Set a cedar post 3 ft. long, 3 ins sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 2. on W. face. and S 1 on E. face
Dig pits 18x18x12 ins N. and S. of post. 3 ft. deep and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
- This cor. is situated at foot of descent in depression bears E and W, drains West, ascend.
- 52.00 Enter scattering cedar timber bears N 40° E and S 40° W.
- 80.10 The cor. of secs. 1, 2, 11, and 12, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
Timber Cedar.

April 19th 1911

April 14th 1911 Ch. 7^h 01^m a.m. L. m. C. - D reb off. 36° 02' N. on the lab. arc. 9° 10' N. on the decl. arc. and determine a meridian with the solar at the cor. of secs. 2, 3, 34, and 35 - on S. base of Twp. 31 N. which is an iron post 3 ins. in diam 12 ins. above ground, firmly reb. marked on bear cap. R 17 E. in E. half - T 31 N. S 35 in N.E., T 30 N. S 2 in S.E. S 3 in S.W. and S 34 in N.W. quadrant with pits 18x18x12 ins. in each. sec. 5 1/2 ft. deep and a mound of earth 4 ft. base, 2 ft. high W. of cor., thence I run, N. 0° 0' W., bet. secs. 34 and 35, ascend gradually over rolling sandy land through scattering sage and greasewood bush undergrowth and bunch grass.

- 16.40 Ascend sandstone ledge 8 ft. high, bear E and W.
- 21.75 - Top of ascent on stony spur, bears E and W extends 60 lbs. W. of line, descend steep.
- 26.00 Leave stony land bears N 60° E and S. 60° W
Enter sandy land, foot of steep descent.
- 40.00 Set a cedar post 3 ft. long, 3 ins sq. with marked stone 24 ins. in the ground, for 1/4 sec. cor. marked 1/4 S 34. on W. face and S 35 on E. face.
Dig pits 18x18x12 ins. N. and S. of post. 3 ft.

Subdivision of Twp 31 N., R 17 E.

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- dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 57.45 Road bears E. and W.
- 76.85 Road bears $N60^{\circ}W$. and $S60^{\circ}E$.
- 80.00 Set an iron post 3 ft. long, 2 in. in diam. 24 in. in the ground for cor. of secs. 26, 27, 34, and 35 marked on base cap T 31 N. S 27 in NW, R 17 E. S 26 in N.E., S 35 in S.E. and S 34 in S.W. quadrants Dig. pits $18 \times 18 \times 12$ in. 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
-
- $N89^{\circ}58'E$, on a random line, bet. secs. 26 and 35
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N. and S. line, 10 lbs. S. of the cor. of secs. 25, 26, 35, and 36, hereinbefore described, thence I run, $S89^{\circ}54'W$, on a true line, bet. Secs. 26 and 35
- Ascend gradually over rolling sandy land covered with scattering sage and greasewood brush undergrowth and bunch grass
- 22.80 Road bears $N60^{\circ}W$. and $S60^{\circ}E$.
- 40.00 Set a cedar post 3 ft. long, 3 in. sq. with marked stone 24 in. in the ground for $\frac{1}{4}$ sec. cor. marked $N4S26$ on N. face and $S35$ on S. face.
Dig. pits $18 \times 18 \times 12$ in. 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.
- 44.30 Road bears $N30^{\circ}E$ and $S30^{\circ}W$.
- 69.00 Top of ridge bears N. and S. desc. gently.
- 80.00 The cor. of secs. 26, 27, 34, and 35, hereinbefore described.
- Land rolling
Soil sandy 3rd rate.
No timber
-
- $N0^{\circ}01'W$, bet. secs. 26, and 27.
Overed South' slope, over sandy land through scattering sage and greasewood brush. undergrowth.

Chains

11

- and bunch grass
- 11.00 Enter scattering cedar timber bears E and W.
- 19.00 Top of sand ridge bears E and W. desc.
- 22.00 Rare timber bears E and W.
- 38.00 Arch of descent in depression bears E and W. drains to the east. asc.
- 40.00 Set a cedar post 3 ft. long. 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked N 527 on W. face and S 26 on E. face. 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.
- 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 bears Cap. T 31 N 322. in N.W. R 17 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 rolling.
Soil sandy 3rd rate
No timber

NOTE: - At this pt. Dip off 9° 13' N. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 36° 03' 2" N. on the lab. arc

- N. 89° 54' E. on a random line, bet. secs. 23 and 26.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N and S. line 5 lks. S. of the cor. of secs. 23, 24, 25 and 26; hereinbefore described, thence 1 run, S 89° 52' W. on a true line, bet. secs. 23 and 26. Descend S.W. slope over rolling sandy land, through scattering sage and greasewood brush undergrowth and bunch grass.
- 39.97 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked N 523 on N. face. and S 26 on S. face. 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 N. of cor.

Submission of Twp 31 N. R 17 E.

12

Chain

BOOK 2623

- 49.85 Road bears $N 35^{\circ} W$. and $S 35^{\circ} E$. on foot of ducumb
in depression bears $N W$. and $S E$, drains $N W$. ascend.
- 79.94 The cor. of secs. 22, 23, 26 and 27, hereinbefore
described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

$N 0^{\circ} 01' W$, bet. sec. 22, and 23,
Ascend S. slope over stony hilly land covered with
scattering sage and greenwood brush undergrowth
and bunch grass

- .40 Top of stony ridge bears E and W . desc.
- 14.75 Dry ravine 10 lbs. wide course east asc.
- 20.00 Top of sand ridge bears E and W . desc.
- 25.00 Dry ravine 10 lbs. wide course East asc.
- 31.20 Top of sand ridge bears E and W . desc.
- 40.00 Set a cedar post 3 ft. long 3 ins sq. With marked
stone 24 ins. in the ground for cor. of
marked $\frac{1}{4} S 22$ on W . face, and $S 23$ on E . face
Dig pits $18 \times 18 \times 12$ ins N and S . of post 3 ft.
dih. and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high. W . of cor.
- 41.50 Foot of ducumb in depression bears $N W$. and $S E$.
drains to the $S E$. asc.
- 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 out brass cap. T 31 N, S 15 in
 $N W$, R 17 E. S 14 in $N E$, S 23 in $S E$. and S 22
in $S W$. quadrants from which.
A lone cedar 10 ins. in diam. bears $S 72\frac{1}{2} W$
57 lbs. dih. marked T 31 N, R 17 E. S 22 B.T.
No other trees available.
Dig pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dih.
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

$N 89^{\circ} 52' E$. over random line bet. sec. 14 and 23

Chain

Subdivision of Twp. 31 N., R17 E.

- 40.00 Set temp. 1/4 sec. cor.
 79.96 Intersect N. and S. line 3 lks. N. of the cor. of
 sec. 13, 14, 23, and 24, hereinbefore described, thence run,
 $S 89^{\circ} 53' W$, on a true line, bet. sec. 14 and 23,
 descend S.W. slope over hilly sandy and stony
 land, through scattering sage and greasewood
 brush under growth and bunch grass.
 4.70 Dry ravine 15 lks. wide 10 ft below sec. cor.
 above S.E. cor.
 10.00 Enter scattering cedar timber bear $N 30^{\circ} E$.
 and $S 30^{\circ} W$.
 25.40 Top of stony ridge bear $N 30^{\circ} E$ and $S 30^{\circ} W$
 decl.
 39.98 Set a cedar post 3 ft. long 3 ins. sq. 24 ins.
 in the ground for 1/4 sec. cor. marked 1/4
 $S 14$ on N. face, and $S 23$ on S. face from
 which.
 A cedar 14 ins. in diam. bear $N 23^{\circ} E$ 114 lks.
 dit. marked 1/4 $S 14$ B.T. and
 A cedar 12 ins. in diam. bear $S 57^{\circ} 3/4 E$ 99
 lks. dit. marked 1/4 $S 23$ B.T.
 63.00 Road bear N. and S.
 77.50 Foot of descent in depression, bear ^{drains South} N. and S.
 are bear timber bear N. and S.
 79.96 The cor. of sec. 14, 15, 22 and 23, hereinbefore described.
 Land hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar

April 14th 1911

April 20th 1911
 At 7^h 00^m a.m. l.m.t., I set off, $36^{\circ} 04' 1/2$
 N. on the lat. arc, $11^{\circ} 17' 1/2$ W. on the decl. arc and
 determined a meridian with the solar on the cor.
 of sec. 14, 15, 22 and 23, hereinbefore described, thence I run,
 $N 0^{\circ} 01' W$, bet. sec. 14 and 15
 ascend S.E. slope over rolling sandy land,
 covered with sage and greasewood brush under
 growth and bunch grass

- 40.00 Set a cedar post 3 ft. long 3 ins. sq. with
 marked stone 24 ins. in the ground. for
 1/4 sec. cor. marked 1/4 $S 15$ on W. face, and S
 14 on E. face.

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- Dig pits 18x18x12 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.
- 77.00 Enter scattering cedar timber land E and W.
- 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 base cap T 31 N. S 10 in N.W., R 17 E. S 11 in N.E., S 14 in S.E. and S 15 in S.W. quadrants from which.
- A cedar 10 ins. in diam. base S 55° W 320 lbs. dist. marked T 31 N. R 17 E. S 15 B.T. and
- A cedar 14 ins. in diam. base N 37° W. 139 lbs. dist. marked T 31 N. R 17 E. S 10 B.T. (No other trees available)
- 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.
- Timber Cedar.
-
- N. 89° 53' E., on a random line, bet. sec. 11 and 14
- 40.00 Set temp. 1/4 sec. cor.
- 79.94 Intersect N. and S. line, 5 lbs. S. of the cor. of sec. 11, 12, 13, and 14, hereinbefore described, thence I run, S 89° 51' W., on a true line, bet. sec. 11 and 14, descend S.W. slope over hilly, sandy and stony land, through scattering cedar timber and sage brush undergrowth and bunch grass.
- .90 Dry ravine 20 lbs. wide course S 35° E. asc.
- 12.00 Land timber base N 50° E and S 50° W.
- 39.97 Set a cedar post. 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 11 on N. face, and S 14 on S. face
- 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.
- 46.00 Enter scattering cedar timber base N. and S.
- 48.65 Road base N. and S.
- 66.00 Top of sand ridge base N 35° E and S 35° W. desc.

Chains

15

68.50 Dry ravine 20 lks. wide bound South Ave.
 79.94 The cor. of sects. 10, 11, 14, and 15, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 Timber Cedars

N. 0° 01' W., bet. sects. 10 and 11,
 around S.E. slope over rolling sandy land covered
 with scattering cedar timber and Sage brush.
 undergrowth

2.00 Clear timber bears N 40° E. and S 40° W.
 3.00 Top of divide bears N 40° E. and S 40° W. desc over
 N.W. slope.
 40.00 Set a cedar post 3 ft. long, 3 ins. sq. 24 ins. in
 the ground for 1/4 sec. cor. marked 1/4 S 10° W.
 face and S 11° W E. face, from which
 a cedar 10 ins. in diam. bears N 56 3/4° E 379 lks.
 dist. marked 1/4 S 11° B.T. No other trees available
 Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.
 and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.
 high, W of cor.

80.00 Set a crow post 3 ft. long, 2 ins. in diam, 24 ins
 in the ground for cor. of sects 2, 3, 10 and 11, marked
 on base cap. T₃₁N. S. 31 W. R₁₇E. S 2 in N.E.
 S 11 in S.E. and S 10 in S.W. quadrants.
 Dig pits 18x18x12 ins. in each. Sect. 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 I set off 11° 20 1/2' N. on the decl. arc
 and at noon observed the sun on the meridian
 and obtain a reading of 36° 06' N. on the lab. arc.

N. 89° 51' E. on a random line, bet. sects. 2 and 11,
 4000 Set temp. 1/4 sec. cor.
 79.96 Intersect N and S. line, 12 lks. N. of the cor. of
 sects 1, 2, 11 and 12, hereinbefore described, thence 1 run,
 S 89° 56' W., on a true line, bet. sects. 2 and 11,

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Descend N.W. slope over rolling sandy land through scattering cedar timber and Sage and greasewood brush undergrowth.

16.40 Road bears N20°E. and S20°W.

39.98 Set a cedar post 3 ft. long 3 ins. sq 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 2 on N. face and 3 11 on S. face. from which.

A cedar 14 ins. in diam. bears S 21 1/4° W. 111 lks. dist. marked 1/4 S 11 B.T. No other trees within limits.

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.

44.00 Road timber bears N70°E. and S70°W.

79.96 The cor. of sees. 2, 3, 10, and 11, hereinbefore described.

Land rolling.

Soil sandy 3rd rate.

Timber Cedar.

40.00 N. 0° 01' W. on a random line, beth sees. 2 and 3, Set temp. 1/4 sec. cor.

80.12 Set a cedar N. dry of Np, 8 lks. S 89° 58' W. the cor. of sees 2, 3, 34 and 35, (recently established by me as described in Exterior Book "AV," thence I run,

S. 0° 02' W. on a true line, beth. sees. 2, and 3, Descend S.W. slope over rolling sandy land through scattering sage and greasewood brush. undergrowth and bunch grass.

23.50 Foot of descent in depression bears E. and W. drains to the west. and gradually.

40.12 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 3 on W. face. and S 2. on E. face.

Dig pits 18x18x12 ins N. and S. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.

80.12 The cor. of sees. 2, 3, 10, and 11, hereinbefore described.

Land rolling.

Soil sandy 3rd rate.

No timber

April 20th 1911

April 15th 1911; At 7^h 00^m a.m. l.m.t. D set off.
 36° 02' N. on the lat. arc. 9° 31½' N. on the decl. arc
 and determine a meridian with the solar alt
 the cor. of secs. 34, 33, and 34 on S. line of
 T₃₁N₃₄R₁₇E. established by Sidney E. Blout, March 25, 1909.
 which is an iron post 3 ins. in diam. 12 ins.
 along ground, firmly set, marked on brass cap
 R17E. in E. half, T31N34 in N.E., T30N33
 in S.E. S4 in S.W. and S33 in N.W. quadrants.
 with file 18x18x12 ins. in each sec 5½ ft. dist.
 and a mound of earth 4 ft. base. 2 ft. high.
 W. of cor., thence I run,

N. 89° 58' W., bet. secs. 33 and 34,

Descent N.W. slope over rolling sandy land
 covered with scattering sage and greasewood
 bush undergrowth tall bunch grass.

16.55 Road bears N70°W and S70°E. leads to Kans
 Canyon Arizona

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

40.00 Set a cedar post 3 ft. long, 3 ins. sq., with marked
 stone 24 ins. in the ground for ¼ sec. cor. marked
 ¼ S33 on W. face and S34 on E. face
 Raise a mound of stone 2 ft. base 1½ ft. high. W. of
 cor. Pile impracticable.

49.30 Wood road bears E and W.

77.00 Top of sand ridge bears E and 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. 27, 28, 33, and 34. marked
 on brass cap T31N328 in N.W., R17E.S27 in N.E.
 S34 in S.E. and S33 in S.W. quadrants.

Dig file 18x18x12 ins. in each sec. 5½ ft. dist. and
 raise a mound of earth 4 ft. base. 2 ft. high. W.
 of cor.

Land rolling.

Soil sandy 3rd rate.

No timber

N. 89° 58' E., on a random line, bet. secs. 27 and 34,

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line, 12 lbs. S. of the cor. of sec.
 26, 27, 34, and 35, hereinbefore described, thence I run,

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- $S 89^{\circ} 53' W$, on a true line bet. sec. 27, and 34.
 Descend S.W. slope over rolling sandy land, through scattering sage and greasewood brush undergrowth and bunch grass.
- 6.00 Wood road bears $N 60^{\circ} W$. and $S 60^{\circ} E$.
- 22.20 Dry ravine 20 lks. wide 3 ft. deep course south
 are.
- 37.00 Enter scattering cedar timber bears $N 50^{\circ} E$. and
 $S 50^{\circ} W$.
- 40.01 Set a cedar post 3 ft. long, 3 in. sq. 24 in. in
 the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4} S 27$ on N.
 face, and $S 34$ on S. face, from which.
 A cedar 8 in. in diam. bears $N 31\frac{1}{2}^{\circ} W$ 318 lks. dist.
 marked $\frac{1}{4} S 27$ B.T. and
 A cedar 16 in. in diam. bears $S 87\frac{1}{4}^{\circ} W$ 367 lks. dist.
 marked $\frac{1}{4} S 34$ B.T.
- 53.00 Top of stony ridge 25 ft. high bears N. and S. desc.
- 57.00 Dry rocky ravine 15 lks. wide course south are.
- 62.00 Top of rocky ridge bears N. and S. desc.
- 76.75 Dry ravine 20 lks. wide 4 ft. deep. Course $S 20^{\circ} E$.
 ascend gradually. Low timber bears N. and S.
- 80.02 The cor. of sec. 27, 28, 33, and 34, hereinbefore described.
 Land rolling and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Scattering Cedar
-
- $N 0^{\circ} 02' W$, bet. sec. 27, and 28,
 Descend
 Over rolling sandy land, through scattering sage
 and greasewood brush undergrowth and bunch
 grass.
- 10.30 Dry ravine 25 lks. wide 10 ft. below cor. Course
 $S 25^{\circ} E$. are.
- 30.00 Enter scattering cedar timber bears E. and W.
- 40.00 Set a cedar post 3 ft. long 3 in. sq. 24 in. in
 the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4} S 28$ on
 W. face and $S 27$ on E. face, from which.
 A cedar 16 in. in diam. bears $N 63\frac{3}{4}^{\circ} E$ 141 lks.
 dist, marked $\frac{1}{4} S 27$ B.T. and
 A cedar 14 in. in diam. bears $S 74\frac{1}{2}^{\circ} W$ 80 lks.
 dist, marked $\frac{1}{4} S 28$ B.T.
- 50.00 Top of sand ridge bears $N 30^{\circ} E$. and $S 30^{\circ} W$ desc

Chain

19

- 57.00 Dry ravine 10 lks. wide course S.W. asc.
- 65.00 Top of rocky ridge bears E and W. desc.
- 78.40 Dry rocky ravine 20 lks. wide course S 60° W. desc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 21, 22, 27, and 28. marked on base Cap. T 31 N. S 21 in N.W., R 17 E. S 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrants, from which.
 A cedar 10 ins. in diam. bears N 41° E 196 lks. dist. marked T 31 N. R 17 E. S 22 B.T.
 A pine 16 ins. in diam. bears S 51 1/2° E 158 lks. dist. marked T 31 N. R 17 E. S 27 B.T.
 A cedar 10 ins. in diam. bears S 69° W 160 lks. dist. marked T 31 N. R 17 E. S 28 B.T. and
 A cedar 12 ins. in diam. bears N 48 1/2° W 46 lks. dist. marked T 31 N. R 17 E. S 21 B.T.

Land rolling and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber pine and cedar.

NOTE: At this cor. set off 9° 35' N. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 36° 03 1/2' N. on the lat. arc.

- 40.00 Set temp. 1/4 sec. cor.
- 80.08 Intersect N. and S. line, 5 lks. S. of the cor. of secs. 22, 23, 26, and 27, hereinbefore described, thence I run, S 89° 51' W., on a true line, bet. secs. 22 and 27, ascend S.E. slope over hilly sandy and stony land through scattering cedar timber and sage brush undergrowth.
- 4.00 Top of ridge 10 ft. above cor. bears N 75° E. and S 75° W. desc.
- 17.50 Dry rocky ravine 30 ft. below top of ridge course N 30° E. asc.
- 25.00 Top of rocky ridge bears N.E. and S.W. desc.
- 28.45 Dry rocky ravine course N 45° E. asc.
- 40.04 Set a cedar post 3 ft. long 3 ins. sq. 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 22 on N.

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BOOK

face, and S 27 on S. face from which.
 A cedar 7 ins. in diam. bears N 32 1/2° W 201 lks.
 dist. marked 1/4 S 22 B.T. and
 A cedar 5 ins. in diam. bears S 67° E 162 lks.
 dist. marked 1/4 S 27 B.T.
 57.00 Top of sand ridge bears N. and S. desc.
 61.70 Dry ravine 20 lks. wide course South. asc.
 65.20 Top of sand ridge bears N. and S. desc.
 67.00 Dry ravine course S 25° E. asc.
 70.70 Top of sand ridge bears N and S. desc.
 80.08 The cor. of secs. 21, 22, 27, and 28, hereinbefore described.
 Sand hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar

N. 0° 02' W, bet. sec. 21 and 22,

ascend steep S.W. slope, through scattering cedar timber
 and greasewood brush undergrowth

- 7.00 Top of rocky ridge 50 ft. above cor bears N 25° W
 and S 25° E. desc. steeply.
 14.20 Dry rocky ravine 15 lks. wide 35 ft. below top
 of ridge course N.E. asc.
 30.00 Top of rocky ridge bears N.W. and S.E. desc. steeply
 40.00 Set an iron post 3 ft. long, 3 ins. sq. 24 ins. in
 the ground for 1/4 sec. cor. marked 1/4 S 21
 on W. face and S 22. on E. face, from which.
 A cedar 10 ins. in diam. bears S 72 1/2° E 38 lks dist
 marked 1/4 S 22 B.T. and,
 A cedar 12 ins. in diam. bears S 73 1/2° W. 7 lks.
 dist. marked 1/4 S 21 B.T.
 40.50 Dry ravine 5 lks. wide 5 ft. below 1/4 sec. cor
 course East. asc
 42.25 Top of rocky ridge bears E. and W. desc.
 59.55 Dry ravine 5 lks. wide course East. asc
 80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins.
 in the ground for cor of secs. 15, 16, 21 and 22.
 marked out bear cap. T 31 N. S 16 in N.W., R 17 E.
 S 15 in N.E. S 22 in S.E. and S 21 in S.W. quadrants,
 from which.
 A cedar 5 ins. in diam. bears N 28° E 174 lks. dist.
 marked T 31 N. R 17 E. S 15 B.T.

Subdivision of T₃₁ N., R₁₇ E.

Chain

21

A cedar 6 ins. in diam. bears S 82° E 34 lks. dist. marked T₃₁ N., R₁₇ E. S. 22 B.T.

A cedar 8 ins. in diam. bears S 49° W. 340 lks. dist. marked T₃₁ N., R₁₇ E. S. 21 B.T. and

A cedar 6 ins. in diam. bears N 58½° W. 172 lks. dist. marked T₃₁ N., R₁₇ E. S. 16 B.T.

Road hilly:

Soil sandy and stony 3rd and 4th rate.

Timber pinon pine and cedar.

N. 89° 51' E., on a random line, bet. sec. 15 and 22, 40.00 Set temp. ¼ sec. cor.

80.14 Intersect N. and S. line, 8 lks. S. of the cor. of sec. 14, 15, 22, and 23, hereinbefore described, thence I run, S. 89° 48' W., on a true line, bet. sec. 15 and 22,

around E. slope, through scattering cedar timber and sage brush undergrowth and bunch grass.

11.25 Top of sand ridge 15 ft. above cor. bear N and S. desc.

17.10 Dry ravine 10 lks. wide course South asc

40.07 Set a cedar post 3 ft. long 3 ins. sq. 24 ins. in the ground for ¼ sec. cor. marked ¼ S 15 on N. face and S 22. on S. face, from which.

A cedar 18 ins. in diam. bears N 5½° W. 410 lks. dist. marked ¼ S 15 B.T. and

A cedar 10 ins. in diam. bears S 70½° W 198 lks. dist. marked ¼ S 22 B.T.

41.00 Top of sand ridge bears N 20° W. and S 20° E. desc.

55.25 Dry ravine 15 lks. wide course S 50° E. asc.

55.60 Top of ridge bears N. E. and S. W desc.

58.55 Dry ravine course S 45° E. asc.

80.14 The cor. of sec. 15, 16, 21, and 22, hereinbefore described.

Road hilly.

Soil sandy and stony 3rd and 4th rate.

Timber pinon pine and cedar

April 15th 1911

This 15th day of April 1911 I discharge Herbert Yestwa. bondman. No officer authorized to administer oaths, other than myself. being available without great inconvenience delay

BOOK 2623

and expense. I administer the required final oath

Van L White
U.S. Measurer

April 21st 1911^h Ch. 7^h 29^m a.m. L.M.L. & set off.
36° 04' 1/2" N. on the lch. arc, 11° 38' N. on the decl arc
and determine a meridian with the solar ab.
the cor. of sec. 15, 16, 21 and 22, ^{hereinbefore described} thence I run,
N. 0° 02' W., lch. sec. 15 and 16,

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

11.00 Top of divide bears N 20° E and S 26° W. desc.
over N.W. slope.

28.00 Clear timber bears E and W.

40.00 Set a cedar post 3 ft. long, 3 ins. dia. with marked
stone 24 ins. in the ground for 1/4 sec. cor. marked
1/4 S 16 on W. face and S 15 on E. face.

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

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 31 N. 39 in
N.W. R 17 E. S 10 in N.E., S 15 in S.E. and S 16 in
S.W. quadrants.

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 & moderate.

Timber pinon pine and cedar.

N. 89° 48' E. on a random line, lch. sec. 10 and 15

40.00 Set temp. 1/4 sec. cor.

80.10 Intersect N. and S. line, 5 lch. N. of the cor. of sec.
10, 11, 14, and 15, hereinbefore described, thence I run,

S 89° 50' W., on a true line, lch. sec. 10 and 15

Ascend S.E. slope over rolling sandy land through
scattering cedar timber and sage and greasewood

brush undergrowth and bunch grass.
4.30 Top of divide bears $N50^{\circ}E$ and $S50^{\circ}W$. desc gradually
over N.W. slope

6.00 Near timber bears NE . and SW .

40.05 Set a cedar post 3 ft. long, 3 ins. sq. with marked
stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $N45^{\circ}10'$ on N. face and $S15^{\circ}$ on S. face.

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

80.10 The cor. of secs. 9, 10, 15, and 16, hereinbefore
described.
Land rolling.

Soil sandy 3^d rate.

Timber Cedar

$N0^{\circ}02'W$, bet. sec. 9 and 10,

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

40.00 Set a cedar post 3 ft. long, 3 ins. sq. with
marked stone 24 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $N45^{\circ}9'$ on W. face and $S10^{\circ}$ on
E. face

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

This cor. is situated in a depression, bears E. and
W., drains West.

60.00 Top of sand ridge bears E. and W. level.

75.00 Dry ravine 10 lbs. wide, 8 ft. deep course $S70^{\circ}W$
do.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins.
in the ground for cor. of sec. 3, 4, 9, and 10
marked on base cap T_{31N}R_{17E}S₄ in N.W. R_{17E}S₃
 S in N.E. $S10$ in S.E. and $S9$ in S.W. quadrant,
from which.

A lone cedar 4 ins. in diam. bears $S52^{\circ}W$ 136
lbs. dih. marked T_{31N}R_{17E}S₉ B.T.,

No other trees available.

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

Land rolling

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Soil sandy 3rd rate.

No timber

NOTE: At this cor. I set off $11^{\circ} 41'$ N. on the decl. arc, and at noon observed the sun on the meridian and obtain a reading of $36^{\circ} 06'$ N. on the lab. arc

- $N 89^{\circ} 50' E$, on a random line, bet. sec. 3 and 10.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect N and S. line at the cor. of sec. 2, 3, 10, and 11, hereinbefore described, thence I run, $S 89^{\circ} 50' W$, on a true line, bet. sec. 3 and 10, descend N.W. slope over rolling sandy land through scattering sage and greasewood brush and bunch grass.
- 25.00 Top of descent in depression bears N.E. and S.W. drains to the N.E. sec.
- 39.00 Enter scattering cedar timber bears N. and S.
- 40.02 Set a cedar post 3 ft. long 3 ins. sq. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4} S 3$ on N. face, and $S 10$ on S. face, from which a cedar 6 ins. in diam bears $N 86\frac{1}{2}^{\circ} E 59$ lbs. dist. marked $\frac{1}{4} S 3 B.T.$ and.
- a cedar 12 ins. in diam. bears $S 54\frac{1}{2}^{\circ} E 109$ lbs. dist. marked $\frac{1}{4} S 10 B.T.$
- 40.25 Leave timber bears N. and S.
- 59.50 Top of rocky ridge bears N. and S. desc.
- 80.04 The cor. of sec. 3, 4, 9, and 10, hereinbefore described. Land rolling.
Soil sandy and stony. 3rd and 4th rate.
Timber Cedar

- $N 0^{\circ} 02' W$, on a random line bet. sec. 3 and 4.
40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.28 Intersect N. ldy. of Twp. 8 lks. $N 89^{\circ} 58' E$ of the cor. of sec. 3, 4, 33, and 34, recently established by me as described in Exterior Book "AV," thence I run,
 $S 0^{\circ} 05' E$, on a true line, bet. sec. 3 and 4,
Over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

- 4.50 Right bank of the De Nebets Wash 12 ft. high. bears N²⁰E. and S²⁰W. bears undergrowth
 - 5.50 Left bank of the De Nebets Wash 12 ft. high. bears N²⁰E. and S²⁰W. Enter undergrowth
 - 40.28 Set a cedar post 3 ft. long. 3 in. sq. with marked stone 24 in. in the ground for 1/4 sec. cov. marked 1/4 S 4 on W. face and S 3. on E. face.
 - Raise a mound of stone 2 ft. base 1 1/2 ft. high. W. of cov. Pitts impracticable
 - 41.00 Begin gradual ascent over N. slope.
 - 75.00 Top of sand ridge bears E and W. decl gentle.
 - 80.28 The cov. of sees 3, 4, 9, and 10, hereinbefore described.
- Land rolling
Soil sandy 3rd rate.
No timber

April 21st, 1911

April 17th 1911, Ch. 7^h 00^m a.m. L.M.C. Dresh off. 36° 02' N. on the lat arc. 10° 14 1/2' N. on the decl arc and determine a meridian with the solar at the cov. of sees. 4, 5, 32, and 33. on S. Tally of ^{established by Sidney F. Blout, May 25, 1909.} T₃₁N which is an iron post 3 in. in diam 12 in. above ground, firmly set marked out brass cap. R₁₇E. in E. half. T₃₁N S 33 in N.E., T₃₀N S 4 in S.E., S 5 in S.W. and S 32. in N.W. quadrants. from which.

- A fir or pine 16 in. in diam bears N 47 1/2° E 116 lbs. dist. marked T₃₁N, R₁₇E. S 33 B.T.
- A cedar 12 in. in diam. bears S 7 1/2° E 201 lbs. dist. marked T₃₀N, R₁₇E S 4 B.T.
- A cedar 8 in. in diam. bears S 29 1/4° W 167 lbs. dist. marked T₃₀N, R₁₇E. S 5. B.T. and.
- A cedar 6 in. in diam. bears N 62 3/4° W 117 lbs. dist. marked T₃₁N, R₁₇E. S 32. B.T., thence & run,
- N. 0° 03' W., bet. sees 32. and 33,
- Over rolling sandy land, through scattering sage and greasewood brush undergrowth and cedar timber

- 1.25 Top of low sand ridge bears N.W. and S.E. decl
- 5.00 Level timber bears N.E. and S.W.

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- 30.00 Proof of descent in depression bears NW. and SE. drains, to the S.E. cor.
- 38.40 Road bears N70°W. and S70°E.
- 40.00 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ S 32.00 W. face and S 33.00 E. face
Dig pits 18x8x12 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.
- 40.12 Old road bears E and W.
- 49.00 Top of sand ridge bears E and W. desc.
- 56.55 Dry ravine course S 65° E asc.
- 72.00 Enter scattering cedar timber bears E and W.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 28, 29, 32 and 33, marked on brass cap T 31 N, S 29 in NW., R 17 E. S 28 in N.E., S 33 in S.E. and S 32. in S.W. Quadrant, from which
A cedar 28 ins. in diam. bears N 27 $\frac{1}{2}$ ° E 215 lbs. dist. marked T 31 N, R 17 E. S 28 B.T.
A cedar 20 ins in diam. bears S 30° E 150 lbs. dist. marked T 31 N, R 17 E. S 33 B.T.
A cedar 14 ins. in diam. bears S 20° W 96 lbs. dist. marked T 31 N, R 17 E, S 32 B.T. and
A cedar 12 ins. in diam. bears N 33° W, 75 lbs. dist. marked T 31 N, R 17 E S 29 B.T.
Land rolling and hilly.
Soil sandy 3rd and 4th rate.
Timber Cedar

- N 89° 58' E, on a random line, bet. sec. 28 and 33.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.10 Intersect N. and S. line 10 lbs. N. of the cor. of sec. 27, 28, 33. and 34, ^{hereinbefore described} thence run, N 89° 58' W., on a true line, bet. sec. 28 and 33
Over rolling sandy land sloped to the S.E. through scattering sage and greasewood brush and bunch grass.
- 15.00 Enter scattering cedar timber bears N 40° W and S 40° E.
- 40.05 Set a cedar post 3 ft. long 3 ins. sq. 24 ins.

in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 28
 on W face, and S 33. on S. face from which.
 A Cedar 16 ins. in diam. bears $N 60^{\circ} W 224$
 lbs. dist. marked $\frac{1}{4}$ S 28 B.T. and
 A Cedar 12 ins. in diam. bears $S 73\frac{1}{4}^{\circ} E 60$
 lbs. dist. marked $\frac{1}{4}$ S 33. B.T.
 75.00 Top of gradual ascent on ridge bears N and S.
 desc. gradually over W. slope
 80.10 The Cor. of sec. 28, 29, 32 and 33, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 Timber Cedar

$N 0^{\circ} 3' W$, top sec. 28 and 29,
 ascend gradually over SW. slope through scattering
 Cedar timber and sage bush undergrowth and
 bunch grass.
 1.05 Dry ravine 5 lbs. wide 2 ft. deep course SW.
 9.00 The same ravine 10 lbs. wide 2 ft. deep course
 S.E.
 31.00 Top of divide bears $N 40^{\circ} E$ and $S 40^{\circ} W$, desc.
 over N.W. slope. Least timber bears N.E. and S.W.
 40.00 Set a Cedar post 3 ft. long 3 ins. sq. with
 marked stone 24 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ S 29 on W. face and S 28
 on E. face
 Dig pits 18x18x12 ins. N and S. of post. 3 ft. dist.
 and raised mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
 high W. of cor.
 48.10 Road bears $N 60^{\circ} W$. and $S 60^{\circ} E$.
 68.00 Enter scattering Cedar timber bears E and W.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24
 ins. in the ground for cor. of sec. 20, 21, 28
 and 29, marked on bears Cap T₃₁N S₂₀ in NW,
 R₁₇E S₂₁ in N.E. S₂₈ in S.E. and S₂₉ in S.W.
 quadrants, from which.
 A Cedar 20 ins. in diam. bears $N 22^{\circ} E 322$ lbs.
 dist. marked T₃₁N, R₁₇E, S₂₁ B.T.
 A Cedar 12 ins. in diam. bears $S 77\frac{1}{2}^{\circ} E 300$
 lbs. dist. marked T₃₁N, R₁₇E, S₂₈ B.T.
 A Cedar 20 ins. in diam. bears $S 34\frac{3}{4}^{\circ} W 125$

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lks. dish. marked T 31 N, R 17 E, S 29 B.T. and
 A cedar 10 ins. in diam. bears $N 86\frac{3}{4}^{\circ} W 225$
 lks. dish. marked T 31 N, R 17 E, S 20 B.T.
 Land rolling.
 Soil sandy 3rd rate.
 Timber Cedar.

- $S 89^{\circ} 58' E$, on a random line, bet. secs 21 and 28,
 40.00 Set temp $\frac{1}{4}$ sec. cor.
 80.16 Intersect N and S. line, 10 lks. N of the cor. of
 secs. 21, 22, 27, and 28, ^{hereinbefore described} then a drum,
 $N 89^{\circ} 54' W$, on a true line, bet. secs. 21 and 28.
 Descend S.W. slope over stony hilly land through
 scattering cedar timber and greasewood brush
 undergrowth.
 16.35 Dry ravine 30 ft. below cor. course South. sec.
 30.00 Top of divide bears $N 30^{\circ} E$. and $S 30^{\circ} W$. desc
 N.W. slope over rolling sandy land.
 40.08 Set a cedar post 3 ft. long 3 ins. sq. 24 ins.
 in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4} S 21$ on N
 face, and $S 28$ on S. face from which.
 A cedar 12 ins. in diam. bears $N 23\frac{1}{2}^{\circ} E 286$ lks.
 dish. marked $\frac{1}{4} S 21$ B.T. and
 A cedar 12 ins. in diam. bears $S 46\frac{1}{2}^{\circ} E 285$ lks.
 dish. marked $\frac{1}{4} S 28$ B.T.
 80.16 The cor. of secs. 20, 21, 28, and 29, hereinbefore described.
 Land rolling and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar.

- $N 0^{\circ} 03' W$, bet. secs. 20 and 21,
 Descend N.W. slope over rolling sandy land
 covered with scattering cedar timber and scattering
 sage and greasewood brush undergrowth and
 much grass.
 5.00 Leave timber bears $N 65^{\circ} E$ and $S 65^{\circ} W$.
 40.00 Set a cedar post 3 ft. long 3 ins. sq. with
 marked stone 24 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4} S 20$ on W. face and
 $S 21$ on E. face

Cham

Subdivision of T₁ 31 N, R 17 E.

29

- Dig pits 18x18x12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 1/2 ft. face 1 1/2 ft. high. W. of cor.
- 77.50 Dry ravine 20 lbs. wide 2 ft. deep course West. asc.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 16, 17, 20 and 21 marked on base cap T 31 N, S 17 in N.W., R 17 E S 16 in N.E., S 21 in S.E. and S 20 in S.W. quadrant.
- Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. face, 2 ft. high. W. of cor.
- Land rolling.
- Soil sandy 3rd rate.
- Timber Cedar
-
- S 89° 54' E., on a random line, bet. secs. 16 and 21
- 40.00 Set temp. 1/4 sec. cor.
- 80.06 Intersect N. and S. line, 8 lbs. N. of the cor. of secs. 15, 16, 21 and 22, ^{hereinbefore described} thence Run, N. 89° 51' W., on a true line, bet. secs. 16 and 21.
- Cor. rolling sandy land covered with scattering cedar timber and sage brush undergrowth
- .75 Top of divide bet. N. and S. decl. gradually over W. slope.
- 40.03 Set a Cedar post 3 ft. long 3 ins. sq. 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 16 on N. face, and S 21 on S. face, from which a Cedar 4 ins. in diam. bears N 86 1/2° W 290 lbs. dia. marked 1/4 S 16 B.T. and a Cedar 4 ins. in diam. bears S 14 1/4° W 317 lbs. dia. marked 1/4 S 21 B.T.
- 43.00 Clear timber bet. N. and S.
- 80.06 The cor. of secs. 16, 17, 20 and 21, hereinbefore described.
- Land rolling.
- Soil sandy 3rd rate,
- Timber Cedar

N. 0° 03' W., bet. secs. 16 and 17.

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

40.00 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 17 on W. face and S 16 on E. face.

Dig pits 18 x 18 x 16 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.

61.60 Pop of sand ridge bears E. and W. desc.

80.00 Set 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 31 N. S 8 in N.W. R 17 E. 39 in in N.E. S 16 in S.E. and S 17 in S.W. quadrant.

Raise a mound of stone 2 ft base 1 $\frac{1}{2}$ ft. high.

W. of cor. Pits impracticable

Land rolling.

Soil sandy 3rd rate.

No timber

NOTE:- At this cor I set off 10° 17 $\frac{1}{2}$ ' N. on the decl. and at noon observed the sun on the meridian and obtain a reading of 36° 05 $\frac{1}{2}$ ' N. on the lat. arc.

S 89° 51' E., on a random line, bet. secs. 9 and 16.

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

80.08 Intersect N and S. line, 5 lbs. S. of the cor. of secs. 9, 10, 15 and ^{here in before described} 16, thence I run,

N. 89° 53' W., on a true line, bet. secs. 9 and 16.

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

36.40 Pop of sand ridge bears N. and S. desc. W. slope. Enter scattering cedar bears N. and S.

40.04 Set a cedar post 3 ft. long 3 ins. sq. 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 9 on W. face, and S 16 on S. face. from which.

A cedar 8 ins. in diam bears N 53° W 399 lbs. dia. marked $\frac{1}{4}$ S 9 B.T. and

A cedar 6 ins. in diam. bears S 1 $\frac{1}{2}$ ° E 61 lbs. dia. marked $\frac{1}{4}$ S 16 B.T.

Suldim's row of Np 317, R17E.

Chains

31

- 40.50 Dry ravine 5 lbs wide course N40°E. all
 43.00 Low timber bears N and S.
 51.20 Top of sand ridge bears N. and S. desc.
 80.08 The cor. of secs. 8, 9, 16, and 17, hereinbefore described.
 Land rolling
 Soil sandy 3rd rate.
 Timber Cedar

No 03' W., Sec. 8 and 9,

- Descend N.W. slope over rolling sandy land
 covered with scattering sage and greasewood
 brush undergrowth and bunch grass
 39.00 Left bank of the De Nebets Wash 25 ft. high.
 bears N45°E and S45°W. Low undergrowth
 40.00 The point for the 1/4 sec. cor. falls in bottom
 of the De Nebets Wash, where natural causes
 would insure the destruction of the corner.
 therefore I continue my line
 40.71 Right bank of the De Nebets Wash 25 ft. high
 bears N45°E and S45°W. Enter level
 sandy land and undergrowth bears N.E.
 and S.W.
 42.10 Set a Cedar post 3 ft. long 3 ins. sq. with
 marked stone, 24 ins. in the ground for
 witness cor. to the 1/4 sec. cor. marked W.C.
 N45°E on W. face, and S45°W on E. face.
 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.
 80.00 Set an iron post 3 ft. long 2 ins. in diam.
 24 ins. in the ground for cor. of secs. 4, 5,
 8, and 9, marked on brass cap. T 31 N, S 5 in
 N.W., R 17 E S 4 in N.E., S 9 in S.E. and S 8 in
 S.W. quadrant.
 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 rolling and level.
 Soil sandy 3rd rate.
 No timber

Subdivision of T₁/4 31 N., R 17 E.

32

Chain

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89°53' E., on a random line, bet. secs. 4 and 9,
40.00 Set temp. 1/4 sec. cor.

80.12 Intersect N and S line, 8 lks. N. of the cor.
of secs. 3, 4, 9, and 10, ^{hereinbefore described} thence I run,

N. 89°50' W., on a true line, bet. secs. 4 and 9,
Descend N.W. slope over rolling sandy land
through scattering cedar timber and bunch
grass

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

40.06 Set a cedar post 3 ft. long 3 ins. sq. with
marked stone 24 ins. in the ground, for
1/4 sec. cor. marked 1/4 54 on N. face, and 59
on S. face

Dig pits 18x18x12 ins. East 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.

41.35 Left bank of the De Nebeto Wash 15 ft. high.
Bears N 45° E. and S 45° W. Low undergrowth

42.70 Right bank of the De Nebeto Wash 15 ft. high.
Bears N 45° E. and S 45° W. Enter level land
and undergrowth bears N.E. and S.W.

80.12 The cor of secs. 4, 5, 8, and 9, hereinbefore
described.
Land rolling and level.
Soil sandy 3rd rate.
Timber Cedar

N 10° 03' W., on a random line, bet. secs 4 and 5,
40.00 Set temp. 1/4 sec. cor.

79.98 Intersect N. line, of T₁/4, 18 lks. S 89° 58' W. of the cor.
of secs. 4, 5, 32, and 33, ^{recently established by me as described} in Exterior Book "AV", thence I run,

S. 0° 05' W., on a true line, bet. secs. 4 and 5,
Descend S.E. slope over rolling sandy land
through scattering sage and greasewood
brush undergrowth and bunch grass.

39.98 Set a cedar post 3 ft. long 3 ins. sq. with
marked stone 24 ins. in the ground for 1/4
sec. cor. marked 1/4 35 on W. face and
34 on E. face.

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.

Subdivision of Tp 31 N., R 17 E.

Chains

- 44.00 Top of gradual descent. Level rolling land bears N.E. and S.W., Enter level laid.
- 79.98 The cor. of secs. 4, 5, 8, and 9, hereinbefore described. Land rolling and level. Soil sandy 2nd and 3rd rate. No timber

April 17th 1911

April 18th 1911 At 7^h 00^m a.m., I set off 36° 02' N. on the lat. arc, 10° 35 1/2' N. on the decl. arc, and determined meridian with the solar an the cor. of secs. 5, 6, 31, and 32 on S. Tery of Tp. 31 N., which is an iron post 3 ins. in diam. 12 ins. above ground marked on brass cap R 17 E. in E. half, T 31 N. S 32 in N.E., T 30 N. S 5 in S.E., S 6 in S.W. and S 31 in N.W. quadrants from which.

A fir tree 4 ins. in diam. bears N 42° E. 131 lbs. dist. marked T 31 N. R 17 E. S 32 B.T.

A Cedar 10 ins. in diam. bears S 20° E 106 lbs. dist. marked T 30 N. R 17 E. S 5 B.T.

A fir tree 8 ins. in diam. bears S 38 1/2° W 78 lbs. dist. marked T 30 N. R 17 E S 6 B.T. and

A fir tree 6 ins. in diam. bears N 70 1/2° W 48 lbs. dist. marked T 31 N. R 17 E S 31 B.T., thence I run,

N. 0° 03' W., bet. secs. 31 and 32, ascend S.E. slope through scattering cedar timber and sage brush undergrowth

- 25.00 Top of sand ridge or divide bears N 30° E and S 30° W. desc. gradually over N.W. slope

34.50 Level timber bears E. and W.

- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 31 on W. half and S 32. on E. half.

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

43.73 Road bears E and W

- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 29, 30, 31,

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and 32, marked on brass cap. T31N, S30 in
N.W., R17E S29 in N.E. S32 in S.E. and S31 in
S.W. quadrant.

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 rolling and hilly.

Soil sandy 3rd rate.

No timber

N. 89° 58' E, on a random line, bet. secs. 29 and 32,
40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N. and S. line, 5 lks. N. of the cor.
of secs. 28, 29, 32, and 33, ^{hereinbefore described} then run,
West, on a true line, bet. sec. 29 and 32.

Descend W. slope over hilly, sandy and stony land
through scattering cedar timber and sage and
greasewood brush undergrowth and bunch
grass.

.85 Pryanne 10 lks. wide course South. acc.

3.00 Nth of sand ridge bears N and S. desc.

7.15 Pryanne 15 lks. wide course S 50° E. acc.

28.00 Nth of sand ridge bears N.E. and S.W. desc.

40.03 Set a cedar post 3 ft. long 3 ins. sq. 24 ins. in
the ground for 1/4 sec. cor. marked 1/4 S 29 on N.
face and S 32 on S. face. from which.

A cedar 18 ins. in diam. bears N 20° E 99 lks
dia. marked 1/4 S 29 B.T. and

A cedar 8 ins. in diam. bears S 2° E 56 lks. dia.
marked 1/4 S 32 B.T.

66.00 Leave timber bears N 45° E and S 45° W.

80.06 The cor. of secs. 29, 30, 31 and 32, hereinbefore described.

Land rolling and hilly.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar B.

S 89° 58' W, on a random line, bet. secs. 30 and 31

40.00 Set temp. 1/4 sec. cor.

79.14 Intersect the 4th Guide Meridian East; 9 lks
S. of the cor. of secs. 25, 30, 31, and 36, recently

Chain

established by me as described in Standard Book "U", thence I run, S 89° 58' E, on a true line, bet. secs 30 and 31 around N.W. slope over rolling sandy land through scattering sage and greasewood brush, undergrowth and bunch grass.

39.14 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 30 W

on face, and S 31 on S. face.
Dig pits 18x18x12 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.

79.14 The cor. of secs. 29, 30, 31 and 32, hereinbefore described.
Land rolling.

Soil sandy 3rd rate.
No timber.

N. 0° 03' W., bet. sec. 29 and 30,
Over rolling sandy land, slopes to NW. through scattering sage and greasewood brush undergrowth and bunch grass.

40.00 Set a cedar post 3 ft. long, 3 ins. sq with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 30 on W. face and S 29 on E. face.

Dig pits 18x18x12 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.

80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins in the ground for cor. of sec. 19 20, 29, and 30, marked on brass cap T 317. S 19 in NW. R 17 E. S 20 in N.E. S 29 in S.E. and S 30 in S.W. quadrants.

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

Land rolling.
Soil sandy 3rd rate.
No timber

NOTE: At this cor I set off 10° 38' $\frac{1}{2}$ N. on the decl. arc and at noon observe the sun on the

meridian and obtained a reading of $36^{\circ}03\frac{1}{2}'$ N
on the lat. arc.

- 40.00 East, on a random line, bet. secv. 20, and 29,
Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N and S. line, 10 lbs. N. of the cor.
of secv. 20, 21, 28 and 29, ^{hereinbefore described} thence run,
N $89^{\circ}56' W$, on a true line, bet. secv. 20 and 29.
Over rolling sandy land slopes to N.W. through
scattered cedar timber and sage and greasewood
brush undergrowth.
- 3.00 Leave timber bet. N. and S.
- 40.08 Set a cedar post 3 ft. long 3 ins. sq. with
marked stone 24 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ S 20 on N. face and
S 29 on S. face
Dig pits 18x18x12 ins. East W. of post, 3 ft.
dih. and raise a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high. N. of cor.
- 65.25 Road bears N.E. and S.W.
- 80.06 The cor. of secv. 19, 20, 29, and 30, hereinbefore
described.
Land rolling
Soil sandy 3rd rate.
Timber Cedar

- N $89^{\circ}58' W$, on a random line, bet. secv. 19 and 30
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.06 Intersect the 4th Guide Meridian East.
At the cor. of secv. 19, 24, 25 and 30, recently
established by me as described in Standard Book "U," thence I run,
S $89^{\circ}58' E$, on a true line, bet. secv. 19 and 30.
Across N.W. slope over rolling sandy land
through scattered sage and greasewood
brush undergrowth and bunch grass
- 39.06 Set a cedar post 3 ft. long 3 ins. sq. with
marked stone 24 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S 19 on N. face, and
S 30 on S. face.
Dig pits 18x18x12 ins. East W. of post, 3 ft. dih.
and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high

Chains

Subdivision of Twp 31 N., R 17 E.

37

N. of cor.
79.06 The cor. of sec. 19, 20, 29, and 30, hereinbefore
Land rolling described.
Soil sandy 3rd rate.
No timber

N. 0° 03' W., bet. sec. 19 and 20,
Descend gently over N.W. slope through
Scattering sedge and greasewood brush under-
growth and bunch grass.
40.00 Set a cedar post 3 ft. long 3 in. sq., with
marked stone 24 in. in the ground for
1/4 sec. cor., marked S19 on W. face and S20
on E. face.

Dig pits 18x18x12 in., N. and S. of post 3 ft.
diam. and raise a mound of earth 5 1/2 ft.
base 1 1/2 ft. high. W. of cor.
77.50 Foot of declivity in depression bears N.E. and
S.W. drains to the S.W. are gradually

80.00 Set an iron post 3 ft. long 2 in. in diam.
24 in. in the ground for cor. of sec. 17,
18, 19 and 20. marked on base Cap T 31 N.
S18 in N.W. R17 E. S17 in N.E. S20 in S.E.
and S19 in S.W. quadrants.
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.
Soil sandy 3rd rate.
No timber

April 18th 1911

April 22nd 1911, Ah. 8^h 00^m a.m. L. mt. D. reb. off.
36° 04' 1/2" N. on the lat. arc. 11° 58' 1/2" N. on the
decl. arc. and determine a meridian with
the solar at the cor. of sec. 17, 18, 19, and 20,
above described, thence 1 run,

S 89° 56' E., on a random line, bet. sec. 17 and 20.

40.00 Set temp 1/4 sec. cor.

80.02 Intersect N. and S. line, at the cor. of sec.
16, 17, 20, and 21, hereinbefore described, thence 1 run,

BOOK 2523

- N 89° 56' W. on a true line bet. sec. 17 and 20
Descend gradually over S.W. slope through
scattering sage and greasewood brush under-
growth and bunch grass
- 40.01 Set a cedar post 3 ft. long 3 ins. sq. with marked
stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor
marked $\frac{1}{4}$ S 17 on N. face and S 20 on S.
face
Dig pits 18 x 18 x 12 ins E. and 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
- 78.00 Top of descent in depression bears N.E. and
S.W. drains to S.W. and gradually.
- 80.02 The cor of sec. 17, 18, 19, and 20, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
No timber

- N. 0° 03' W., bet. sec 17 and 18,
Ascend gradually over rolling sandy S.E. slope
through scattering sage and greasewood brush
undergrowth and bunch grass.
- 15.00 Top of sand ridge 15 ft. high. bears N 40° E.
and S 40° W. desc. gently over N.W. slope.
- 33.00 Set a cedar post 3 ft. long. 3 ins. sq. with
charred stake 24 ins. in the ground for
witness cor. to the $\frac{1}{4}$ sec. cor. which falls in
bed of the De Nebets Wash. where natural
causes would insure the destruction of the
cor., marked W.C. $\frac{1}{4}$ S 18 on W. face. and S 17
on E. face.
Dig pits 18 x 18 x 12 ins N. and S. of post 3 ft. diam.
and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high. W. of cor.
- 33.50 Left bank of the De Nebets Wash 15 ft. high.
bears N 40° E and S 40° W., bears undergrowth
and bunch grass.
- 56.85 Right bank of the De Nebets Wash. 20 ft. high.
bears N 40° E and S 40° W., center rolling above
bottom land and undergrowth bears N.E.
and S.W.

Chains

Subdivision of Tp 31N, R17E.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 7, 8, 17, and 18. marked on brass cap T31N, S7 in N.W., R17E, S8 in N.E., S17 in S.E. and S18 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 rolling.
 Soil sandy and adobe 2nd and 3rd rate.
 No timber

NOTE: At this cor. set off 12° 01' N. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 36° 05 1/2' N. on the lat. arc.

- 40.00 Set temp. 1/4 sec cor
- 78.88 Intersect the 4th Guide Meridian East. at the cor. of secs. 13, 18, 19, and 24, ^{recently estab. by me as described in Standard Book "U"} hence I run, S 89° 58' E., on a true line, bet. secs. 18 and 19, Over level sandy land covered with scattering sage and greasewood brush undergrowth and bunch grass.
 .95 Dry ravine 10 lbs. wide, banks 2 ft. high. Course S.W.
- 38.88 Set a cedar post 3 ft. long, 3 ins. sq. with charred stake, 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S18 on N. face, and S19 on S. face.
 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.
- 57.85 High bank of the De Nebets Wash. 15 ft. high. bears N 40° E and S 40° W. Low undergrowth and bunch grass.
- 58.90 Lgh. bank of the De Nebets Wash. 15 ft. high. bears N.E. and S.W. ^{ascend} From this point a spring bears N. 30° E. 6.00 chs. dia. Enter undergrowth.
- 72.80 Top of sand ridge bears N. and S. decl. gently.
- 78.88 The cor. of secs. 17, 18, 19, and 20, hereinbefore described.

Subdivision of Twp 31 N, R 17 E.

40

Chain

BOOK 2623

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

- S 89° 56' E, on a random line, bet. secs. 8 and 17.
40.00 Set temp. 1/4 sec. cor.
89.12 Intersect N₁ and S₁ line, 10 lbs. S. of the cor. of
secs. 8, 9, 16, and 17, ^{hereinbefore described} thence Drive,
Wich., on a true line, bet. secs. 8 and 17.
Descend N.W. slope over rolling sandy and stony
land, through scattering sage and greasewood
bush undergrowth and bunch grass
40.06 The point for the 1/4 sec. cor. falls on ledge
of solid sandstone, ^{therefore} I continue my
line and ab.
41.00 Set a cedar post, 3 ft. long, 3 ins. sq. with
marked stone, 24 ins. in the ground for
witness cor to the 1/4 sec. cor. marked W.C.
1/4 S 8 on N. face, and S 17 on S. face.
Raise a mound of stone 2 ft. base, 1 1/2 ft. high,
N. of cor. Pits impractical.
52.85 Left bank of the De Nebeto Wash. 18 ft. high. head
N.E. and S.W. Land undergrowth
54.60 Right bank of the De Nebeto Wash. 15 ft. high.
Head N.E. and S.W. Enter level land and scattering
undergrowth head N.E. and S.W.
80.12 The cor. of secs. 7, 8, 17, and 18, hereinbefore described.
Land level and rolling.
Soil sandy and stony 3rd and 4th rate.
No timber

- N. 89° 58' W, on a random line, bet. secs. 7 and 18.
40.00 Set temp. 1/4 sec. cor.
78.74 Intersect the 4th Guide Meridian East, 4 lbs.
N. of the cor. of secs. 7, 12, 13 and 18, ^{recently estab. by me as} described in Standard Book "U"
^{Traverse 1, run,}
Cash, on a true line, bet. secs. 7 and 18,
Descend
Over rolling sandy land, through scattering
sage and greasewood bush undergrowth
and bunch grass.
38.74 Set a cedar post, 3 ft. long, 3 ins. sq. with

Sullivan Row of Np 31 T11 R17 E.

chains

marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 7, on W. face, and 318 on S. face

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.

42.00 Hard rolling land bears N 30° E and S 30° W. Enter level land

78.74 The cor. of sec. 7, 8, 17, and 18, hereinbefore described. Land level and rolling.

Soil sandy 2nd and 3rd rate
No timber

April 22nd 1911

April 24th 1911 At 7^h 28^m a.m. lat. & Deb. off. 36° 05' 1/2 N. on the lab. arc. 12° 38' 1/2 N. on the decl. arc and determine a meridian with the solar at the cor. of sec. 7, 8, 17, and 18, hereinbefore described, thence I run,

N. 0° 03' W., bet. sec. 7, and 8,

Over level sandy land, covered with scattering sage and greasewood brush undergrowth and bunch grass.

40.00 Set a cedar post 3 ft. long, 3 ins. sq. with marked stone 24 ins. in the ground for 1/4 sec. cor. marked 1/4 S 7 on W. face, and 38 on E. face.

Dig pits 18x18x12 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.

64.00 Level level land bears N.E. and S.W. Enter rolling land, ascend gradually over 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. 5, 6, 7, and 8, marked out brass cap T 31 N. 36 in N.W., R17 E. 35 in N.E., 38 in S.E. and 37 in S.W. quadrant.

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

Land level and rolling
Soil sandy 2nd and 3rd rate

BOOK 2623

No timber

- East, on a random line, bet. sec. 5 and 8.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N and S. line, 5 lks. S. of the cor. of
 sec. 4, 5, 8, and 9, hereinbefore described, thence I run,
 $S 89^{\circ} 58' W$, on a true line, bet. sec. 5 and 8.
 Over level sandy land covered with scattering
 sage and greasewood brush undergrowth and
 bunch grass.
 24.00 Level land bears N and S. Enter rolling
 land. Ascend E. slope of sand ridge.
 30.50 Top of sand ridge 15 ft. high. bears N and S.
 desc.
 40.06 Set a cedar post. 3 ft. long 3 ins. sq. with
 charred stakes, 24 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ & 5 on N. face, and 8
 on S. face.
 Dig pits 18x18x12 ins. East 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.
 41.53 Dry sand wash 15 lks. wide, banks 4 ft.
 high. Course South arc. gradually.
 80.12 The cor. of sec. 5, 6, 7, and 8, hereinbefore described.
 Land level and rolling
 Soil sandy 3rd rate.
 No timber

- West, on a random line, bet. sec. 6 and 7.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 78.74 Intersect the 4th Guide Meridian and East. 2
 lks. S. of the cor. of sec. 1, 6, 7, and 12, recently
 established by me as described in Standard Book "U," thence I run,
 $S 89^{\circ} 57' E$, on a true line, bet. sec. 6 and 7,
 Descend E. slope through scattering cedar timber
 and sage brush undergrowth and bunch
 grass.
 16.00 Level timber bears $N 30^{\circ} E$ and $S 30^{\circ} W$.
 25.75 Dry sand wash 35 lks. wide 6 ft. deep. Course
 $S 60^{\circ} E$ arc.

Chains

38.74 Set a cedar post 3 ft. long, 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked '4 & 6 on N. face, and 8 & 7 on S. face.
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.

NOTE: On this cor. I set off $12^{\circ}41\frac{1}{2}'$ N. on the decl. arc, and at noon observed the sun on the meridian and obtain a reading of $36^{\circ}06'$ N. on the lab. arc.

44.00 Top of sand ridge bears N. and S. desc.
78.74 The cor. of Secs. 5, 6, 7, and 8, hereinbefore described.
Land level and rolling.
Soil sandy 3rd rate.
Timber Cedar

140.00 Set temp. $\frac{1}{4}$ sec. cor.
79.96 Intersect N. line of No. 28 lks. $S89^{\circ}58'W$ of the cor. of Secs. 5, 6, 31 and 32, ^{recently estab. by me as described in Exterior Book "AV";} thence I run, $S0^{\circ}9'W$, on a true line, to Secs. 5 and 6, descend S.W. slope through scattering cedar timber and sage and greasewood brush undergrowth, and bunchgrass.

17.00 Bear timber bears $N60^{\circ}W$. and $S60^{\circ}E$.
36.10 Dry ravine 10 lks. wide 2 ft deep course S.E. also.

39.96 Set a cedar post 3 ft. long 3 ins. sq. with marked stone 24 ins. in the ground for $\frac{1}{4}$ sec. cor. marked '4 & 6 on W. face and 8 & 5 on E. face.
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.

75.00 Top of sand ridge bears E. and W. desc. gently.
79.96 The cor. of Secs. 5, 6, 7, and 8, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
Timber Cedar.

April 24th 1911

General Description.

This township contains every variety of land from level to hilly and the soil ranges from stony to a sandy loam. The soil of the bottom land along the De Nebeto Wash in the northwestern part of the township and along the Craibi Wash which crosses the southeastern part is a rich sandy loam and is being farmed to a limited extent at the present time by the Navajo Indians without the aid of irrigation. The hilly portions of the township is covered with a scattering growth of cedar and pine timber, most of which is too small to be of any value except as a fuel.

No minerals of any kind were found in the township, and the outcropping ledges of sandstone in different places in the township are too soft to be of any commercial value as a building material.

The township is poorly watered, there being no water except ^{one spring in Sec. 18} ~~and pools~~ in the De Nebeto Wash which are formed in time of floods in this water course.

The only settlers are Navajo Indians, who reside a portion of the time in their hogans, when the weather is inclement.

Jan L. White
U.S. Geologist

April 24-1911

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 the Subdivision
lines of Tp 31 N. R. 17 E., G. & S. R. B. & M., Arizona.

showing the respective capacities in which they acted:

T. J. White Chainman.

Richard L. Shumway Chainman.

George B. Seig Moundman.

Herbert Yosteva Moundman.

Nelson Polacca Axman.

Earl Albright 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 31 N R 17 E.

of the Sila and

Salt River Pass Meridian, Territory of Arizona, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey

has been in all respects, to the best of our knowledge and belief, well and faithfully ~~surveyed~~ ^{executed}, and the

corner monuments established, according to the instructions furnished by the ~~United States Surveyor~~

~~General Commissioner of the General Land Office~~

T. J. White Chainman.

Richard L. Shumway Chainman.

George B. Seig Moundman.

Herbert Yosteva Moundman.

Nelson Polacca Axman.

Earl Albright Axman.

William R. Carson Flagman.

Subscribed and sworn to before me this 15th

day of May, 19 11



Van L. White

U.S. Transitman

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2023

FINAL OATH OF UNITED STATES ~~DEPUTY SURVEYOR.~~ ^{TRANSITMAN}

I, Van L. White, ^{Transitman} ~~United States Deputy Surveyor~~, do solemnly swear that, in pursuance of ~~contract~~ ^{Special Instruction} received from ~~the Commissioner of the United States Surveyor General for~~ ^{the Commissioner of the} ~~General Land Office~~, bearing date of the ~~9th day of Oct. 1907~~ ^{and the 15th day of May, 1908}, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ~~United States Surveyor General of the~~ ^{Commissioner 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. 31 North, of Range No. 17 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 General of the~~ ^{Commissioner 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, 1912.



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 N^o 31 North, Range N^o 17 East of the
Gila and Salt River Base and Meridian, Arizona.

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

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

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.