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BOOK 2615

NAMES AND DUTIES OF ASSISTANTS.

T. Y. White	Chairman
Richard L. Shumway	Chairman
George B. Seig	Moundman
Harry Keyope	Moundman
Nelson Polacca	Axman
William R. Carson	Flagman

BOOK 2615

INDEX DIAGRAM.

Township 29 N., Range 13 E.

3rd Guide Meridian East

6	36	5	28	4	12	3	15	2	8	1
86		35		27		21		15		8
7	35	8	27	9	21	10	14	11	7	12
34		34		26		20		13		6
18	33	17	26	16	20	15	13	14	5	13
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19	31	20	25	21	18	22	11	23	4	24
31		30		24		18		11		3
30	30	29	23	28	17	27	10	26	2	25
29		29		23		16		10		2
31	28	32	22	33	16	34	9	35	1	36

Meanders Page 7th Std. Parallel North

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 Subdivision lines of Tp 29 N. R. 13 E. G. & S. R. Base & Mer. Arizona.
T. Y. White, Chainman.
Richard L. Shumway, Chainman.

Subscribed and sworn to before me this 22nd
day of January 1911, ~~190~~



Van L. White
U.S. Transitman

WE, George B. Seig and Harry Keyops
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 Subdivision lines of Tp 29 N. R. 13 E. G. & S. R. Base & Mer. Arizona.
George B. Seig, Moundman.
Harry Keyops, Moundman.

Subscribed and sworn to before me this 22nd
day of January 1911, ~~190~~



Van L. White
U.S. Transitman

WE, I. Nelson Polacca and
do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~^{me}, to the best of ~~our~~^{my} skill and ability, in the survey of Subdivision lines of Tp 29 N. R. 13 E. G. & S. R. Base & Mer. Arizona.
I. Nelson Polacca, Axman.
I. Nelson Polacca, Axman.

Subscribed and sworn to before me this 22nd
day of January 1911, ~~190~~



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 29 N. R. 13 E. G. & S. R. Base & Mer. Arizona.
William R Carson, Flagman.

Subscribed and sworn to before me this 22nd
day of January 1911, ~~190~~



Van L. White
U.S. Transitman

(10)

Survey commenced January 25th 1911 and executed with a W & L E. Surley Engineers transit No. 76 with a Bush Solar attachment. The horizontal limb being provided with our double verniers reading to single minutes of arc. The verniers of the latitude and declination arcs reading to 0'30" of arc.

Examined the adjustments of the transit and found them correct 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 instruments is in satisfactory adjustment.

For lack complete test of the instruments see the field notes of the survey of the 3rd Guide Meridian East through Pp 29 N., R. 13 E. ^{in Standard Book "R"} ranges 12 and 13 E. ^{in Standard Book "N"}

I begin at the Stand Cor. of sec. 35 and 36. on 3rd day of ^{described in Standard Book "N"} Pp. which I established January 9th 1911.

Latitude $35^{\circ}51'28''$ N., Longitude $100^{\circ}54'42''$ W.

At 8^h 12^m a.m. l.m. l. - Sec. off. $35^{\circ}51'42''$ N. and the lat. arc. $19^{\circ}0'4\frac{1}{2}''$ S. and the decl. arc. and determined a meridian with the solar, thence I run.

$0^{\circ}01'$ W. R. sec. 35 and 36.

Ascend gradual SW. slope over rolling sandy land through sage and greasewood brush and bunch grass.

33.00 Top of sand ridge bears NW. and SE. dist.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for cor. marked on brass cap. 4535 on W. half and 336 on E. half.

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.

This cor. is situated at foot of descent in depression bears NW. and SE. asc. Drains to the S.E.

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 729 N, 326 in NW., R13E

325 in NE. 336 in SE. and 335 in SW. 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.

BOOK 2615

Land rolling.
Soil sandy 3rd rate.
No timber

- Each on a random line bet. sec. 25 and 36.
- 40.00 Sth temp $\frac{1}{4}$ sec. cor.
- 80.08 Intersect E. ldy of N/4 5 lks. S. of the cor. of sec. 25, 30, 31 and 36, ^{estab. by me in Sept. 1919 and described in Exterior Book "A2"} ~~thence~~ ^{thence} S 89° 58' W. on a true line bet. sec. 25 and 36. Descend W. slope over hilly land through sage and greasewood bush undergrowth and bunch grass.
- 1.55 Dry ravine 10 lks. wide course South are.
- 9.00 Top of ridge bears N. and S. dec.
- 15.70 Dry ravine course South are.
- 23.00 Top of ridge bears N. and S. dec.
- 29.00 Dry ravine 20 lks. wide 4 ft. deep. Course S 20° W are., leaves hilly land bears N and S., Enter rolling land bears N. and S.
- 33.10 Dry ravine 15 lks. wide 3 ft. deep course South are gently.
- 36.50 Top of sand ridge bears N.W. and S.E. dec.
- 40.04 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 25° on N. half, and S 36° on S. half. Dig pits 18x18x12 ins. E and W. of post 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. N. of cor
- 46.55 Dry ravine course S 25° E. are. gently.
- 80.08 The cor. of sec. 25, 26, 35 and 36, hereinbefore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

S 70° 01' W. bet. sec. 25 and 26.

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

33.00 Dry sand wash. 50 lks. wide, 10 ft. deep. Course S 20° W.

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

Chain

- 2600 W. half and S 25 on E half.
 Dig pits 18x18x12 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.
- 43.90 Leave rolling land head E. and W. Enter hilly land
 ascend steep S.W. slope
- 56.00 Top of clay ridge head N 30° E and S 30° W. desc.
- 58.80 Dipranium 30 ft below top of ridge course S 20° W
 ascend steep S.W. slope over stony land.
- 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. T 29 N, S 23 in N.W., R 13 E
 S 24 in N.E., S 25 in S.E. and S 26 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 and stony 3rd and 4th rate.
 No timber

NOTE At this cor. I set off 19° 04' S. on the decl. arc and
 at noon observe the sun on the meridian and
 obtain a reading of 35° 53' N. on the lat. arc.

- 140.00 On 89° 58' E on a random line bet. sec. 24 and 25
 Set temp. 1/4 sec. cor.
- 80.00 Intersect E. side of Tp. 3 lks. N. of the cor. of sec.
 19, 24, 25 and 30 ^{established by me in Sept. 1910 and described in Exterior Blk "A Q"}
 then set down.
- 89° 59' W. on a true line bet. sec. 24 and 25
 Over rolling sandy land through scattering cedar
 timber and sage brush undergrowth and bunch
 grass.
- 14.00 Leave timber head N.E. and S.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.
 N 24 on N. half and S 25 on S. half
 Dig pits 18x18x12 ins. E and W. of post. 3 ft. dish.
 dish raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.
 high. N. of cor
- 50.00 West edge of mesa head N 35° W and S 35° E. Leave
 rolling land head N 35° W and S 35° E. Enter
 broken hilly land. descend steep S.W. slope
- 80.00 The cor. of sec. 23, 24, 25 and 26, hereinbefore described.

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

No. 01' W. Sec. 23 and 24

Ascend steep rocky S.W. slope of mesa over broken land through scattering greasewood bush undergrowth.

7.10 Top of steep ascent on S. edge of mesa 200 ft. high. Leave Sand W. leave behind stony land leave E and W. Enter rolling sandy land.

25.00 North edge of mesa bears N 30° E and S 30° W. Leave rolling sandy land bears N 30° E and S 30° W. Enter broken stony land., descend steep N.W. slope

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap. N 52° 30' W. half and S 24° on E. half.

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

49.00 Dry ravine 25 lbs wide course S 65° W. asc. Enter scattering cedar timber bears N.E. and S.W.

70.00 Top of rocky ridge bears N 45° E and S 45° W. desc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for. Cor. of sec. 13, 14, 23 and 24 marked on brass cap. T 29 N. S 14 in NW, R 13 E. S 13 in N.E. S 24 in S.E. and S 23 in S.W. quadrant from which.

A cedar 8 ins. in diam. bears S 73 3/4° E 230 lbs. dist. marked T 29 N. R 13 E S 24 BT.

A cedar 14 ins. in diam. bears S 85 1/4° W 112 lbs. dist. marked T 29 N., R 13 E, S 23 BT. and.

A cedar 12 ins. in diam. bears N 61 1/2° W 194 lbs. dist. marked T 29 N., R 13 E S 14 BT. No other trees suitable for bearing trees within limits.

Dig pit 36 x 36 x 12 ins. in sec. 13, 5 1/2 ft. dist. and raise a mound of earth 4 ft base, 2 ft. high. W. of cor.

Land rolling hilly and broken.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.

Subdivision of Twp 29 N., R 13 E.

BOOK 2615

Chain

- 40.00 Sth top 1/4 sec. cor.
- 80.12 Intersect E. bdy of Twp. 05 lks. N. of the cor. of secs. 13, 18, 19, and 24, ^{established by me in Sept 1910 & described in Exterior Book "AQ"} thence S run
N 89° 59' E. on a random line bet. secs. 13 and 24
Over sandy mesa land through scattering cedar timber and greasewood brush undergrowth.
- 39.60 Wood road bears N. and S.
- 40.06 Sth an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground for 1/4 sec. cor., marked on brass cap 1/4 S 13 on N. half and S 24 on S. half. from which
A cedar 16 in. in diam. bears N 76° W. 346 lks. dist. marked 1/4 S 13 B.T. and
A cedar 10 in. in diam. bears S 74° W 326 lks. dist. marked 1/4 S 24 B.T.
- 49.00 Top of sand ridge bears N. and S. desc. W. slope.
- 54.90 West edge of mesa bears N 20° E. and S 20° W.
Rare rolling land bears N.E. and S.W., Enter broken stony land, desc. steep N.W. slope of mesa
- 73.00 Top of steep rocky descent descend gradually.
- 80.12 The cor. of secs. 13, 14, 23, and 24, ^{hereinbefore described.}
Land rolling and broken.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar

January 25th 1911

January 31st 1911, Ab. 1st 13^m p.m. Lm. to Sth. off. 35° 54' N. on the lat. arc. 17° 29 1/2' S. on the decl. arc and determine a meridian with the solar alt. the cor. of secs. 13, 14, 23, and 24, ^{hereinbefore described} thence S run
N 0° 01' W. bet. secs. 13 and 14
Ascend S. slope over stony hilly land through scattering cedar timber and greasewood brush undergrowth.

- 2.50 Top of sand ridge bears E. and W. desc.
- 6.50 Dry ravine 15 lks. wide course N.W. asc.
- 13.75 Top of sand ridge bears N.W. and S.E. desc.
- 24.00 Dry ravine course west. asc.
- 28.30 Top of ridge bears E and W. desc.
- 39.20 Dry ravine course west. asc.
- 40.00 Sth an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap.

Subdivision of Twp. 29 N., R 13 E.

Obs

BOOK 2615

- 1/4 S 14 on W. half and S 13 on E half, from which.
A cedar 14 ins. in diam. bears S 37 1/4° E 161 lbs. dist.
marked 1/4 S 13 B.T. and
A cedar 8 ins. in diam. bears S 75 1/2° W. 299 lbs. dist.
marked 1/4 S 14 B.T.
- 42.00 Saw timber bears E and W.
53.38 Old road bears N.E. and S.W.
70.00 Top of sand ridge bears N.E. and S.W. desc.
77.20 Dry ravine 10 lbs. wide course west-ase.
80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 11, 12, 13 and 14, marked
on brass cap. T 29 N. S 11 in N.W., R 13 E S 12 in N.E.,
S 13 in S.E. and S 14 in S.W. quadrant.
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
Timber Cedar.
-
- 89° 57' E. on a random line bet. secs. 12 and 13
40.00 Set temp. 1/4 sec. cor.
89.16 Intersect E. end of Twp. 5 lbs. N. of the cor. of secs.
7, 12, 13 and 18, ^{est. by same in Sept. 1910 & described in Exterior Book "A Q"} thence S run
N 89° 57' W. on a true line bet. secs. 12 and 13.
Ascend E. slope over rolling sandy mesa land, through
scattering sage brush undergrowth and bunch grass.
11.00 Road from Oraibi Arizona to Puba City Arizona
bears N 30° W. and S 30° E.
32.00 Top of ascension ridge bears N and S., Enter scattering
cedar timber bears N. and S., desc rocky W. slope of
of ridge over hilly land.
40.08 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
the ground for 1/4 sec. cor. marked on brass cap. 1/4 S.
12 on N. half and S 13 on S. half, from which.
A cedar 8 ins. in diam. bears N 48 1/2° W 85 lbs. dist.
marked 1/4 S 12 B.T. and
A cedar 6 ins. in diam. bears S 39 1/2° E 36 lbs.
dist. marked 1/4 S 13 B.T.
- 49.30 Road leads to Oraibi Arizona bears N 15° E and
S 15° W.
58.00 Sandstone ledge 8 ft. high. bears N and S., Lead

Subdivision of Np 29 N., R 13 E.

Chains

timber bears N. and S. desc

80.16 The cor. of secs. 11, 12, 13, and 14, hereinbefore described.
 Land rolling and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber cedar

January 31st 1911

February 1st 1911. At 7^h 13^m a.m. l.m.t. Dep. off.
 35°55' N. on the lab. arc. 17°15' S. on the decl. arc and
 determine a meridian with the solar on the
 cor. of secs. 11, 12, 13 and 14 ^{hereinbefore described} thence run
 N 0°01' W. bet. secs 11 and 12.

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

- 7.30 Top of sand ridge bears N.E. and S.W. desc.
- 10.55 Dry ravine 25 lks. wide course S 46° W. asc.
- 32.70 Road leads to Oraibi Arizona bears N 65° E and
 S 65° W.
- 39.58 A point from which a spring bears East. 62, 93 Chs.
 dist.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
 in the ground for cor. marked on brass
 cap 14 S 11 on W. half and S 12, on E half
 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.
- 43.00 Top of high divide bears N 70° E and S 70° W. desc.
 gradually over N.W. slope.
- 56.75 Road from Oraibi Arizona to Puba City Arizona
 bears N 50° W. and S 50° E.
- 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 29 N S 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 18x18x12 ins. in each sec. 5 1/2 ft. dist.
 and raise a mound of earth 4 ft. base, 2 ft. high.
 W. of cor.
 Land hilly.
 Soil sandy 3rd and 4th rate.
 No timber

Subdivision of Twp 29 N., R 13 E.

Chain

BOOK 2615

89°57' E. on a random line bet. sec. 1 and 12.
 40.00 Set temp 1/4 sec. cor.
 80.14 Intersect E. side of Tp. 8 lks. N. of the cor. of sec.
 1, 6, 7, and 12, ^{established by me in Sept. 1910 & described in Exterior Book "AQ"} Thence S run
 N 89°54' W. on a true line bet. sec. 1 and 12.
 Ascend gradually over E. slope through scattering
 sage and greasewood bush undergrowth and bunch
 grass.
 16.25 Top of stony ridge. bears N and S. desc.
 27.50 Enter scattering cedar timber bears N. and S.
 40.07 Set an iron fork 3 ft. long 1 in. in diam. 26 ins.
 in the ground for 1/4 sec. cor. marked on brass
 cap. "S 1 on N. half and S 12. on S. half." from
 which
 A cedar 14 ins. in diam. bears N 29 3/4° W 122 lks
 dist. marked "S 1 B.T. and
 A cedar 28 ins. in diam bears S 24 1/2° E 15 lks.
 dist. marked "S 12 B.T.
 44.08 West edge of mesa bears N. and S. desc. steep
 rocky W. slope. Cedar timber bears N. and S.
 50.90 Dry ravine 15 lks. wide course North asc.
 53.80 Top of ^{rocky} ridge bears N and S. desc.
 62.00 Dry ravine 25 ft. below top of ridge course N 30° E
 asc.
 80.14 The cor. of sec. 1, 2, 11 and 12, hereinbefore described.
 Sand hills.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar. and pinion pine.
 NOTE At this cor. I set off 17° 13 1/2' S. on the decl. arc
 and at noon observe the sun on the meridian
 and obtain a reading of 35° 56' N. on the lab. arc.

N 0° 01' W. on a random line bet. sec. 1 and 2.
 40.00 Set temp 1/4 sec. cor.
 79.90 Intersect N. side of Tp. 12 lks. N 89° 58' W. of the cor. of
 sec. 1, 2, 35 and 36, ^{previously established by me & described in Exterior Book "AN"} Thence S run.
 S 0° 04' W. on a true line bet. sec. 1 and 2.
 Ascend N. slope over hilly and rolling sandy land
 through sage and greasewood bush undergrowth
 and bunch grass.
 39.90 Set an iron fork 3 ft. long 1 in. in diam. 26 ins. in

chains

the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. 14 S 2. on W. half and S 1 on E. half.
Dig pits 18x18x12 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.

41.15

Wood road bears N.W. and S.E.

71.70

The same road bears N.E. and S.W.

79.90

The cor. of secs. 1, 2, 11 and 12, hereinbefore described.

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

February 1st 1911

January 26th 1911. At 8^h 12^m a.m. G.M.T. Dep. of $35^{\circ} 51\frac{1}{2}'$ N. on the lab. arc. $18^{\circ} 50' S$. on the decl. arc. and determine a meridian with the solar alt. the Standard Cor. of secs. 34 and 35 on S. Twp. of Twp. ^{recently estab. by me & described in Standard Book "N"} Three Run.

N $0^{\circ} 01' W$. bet. secs. 34 and 35.

Over hilly sandy land. Covered with sage and greasewood bush undergrowth and bunch grass

5.00

Dry ravine 10 lbs. wide course S.W. asc.

9.00

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

18.70

Dry ravine 20 lbs. wide course S.W. asc.

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 34 on W. half and S 35 on E. half.

Dig pits 18x18x12 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.

80.00

Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35 marked on brass cap T 29 N. S 27 in N.W., R 13 E S 26 in N.E. S 35 in S.E. and S 34 in S.W. quadrants.

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

Land hilly.
Soil sandy 3rd rate.
No timber

BOOK 2615

- 40.00 Push on a random line bet. secs. 26 and 35 -
 40.00 Set temp 1/4 sec. cor.
 80.04 Intersect N and S. line at the cor. of secs. 25, 26,
 35 and 36, ^{hereinbefore described} thence *Drum*
 West on a true line bet. secs. 26 and 35 -
 Ascend E. slope over hilly sandy land through
 scattering sage and greasewood bush undergrowth
 and bunch grass
- 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.
- 59.50 Top of sand ridge bears N. and S. desc.
 67.10 Old road bears N and S. at foot of desc. arc.
 80.04 The cor. of secs. 26, 27, 34 and 35, hereinbefore described.
 Land hilly.
 Soil sandy 3rd rate.
 No timber

- N^o 01 W. bet. secs. 26 and 27.
 Ascend S.E. slope over hilly 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 1/4 sec cor. marked on brass
 cap. 1/4 S 27 on W. half and S 26 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.
- 49.30 Top of sand ridge bears N 50° E and S 50° W. desc.
 54.50 Dry ravine 25 lbs. wide course S 50° W. asc.
 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 on brass cap. T 29 N. S 22 in N.W. T 13 E.
 S 23 in N.E. S 26 in S.E. and S 27 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.

Chain

11

Soil sandy 3rd rate.
No timber

NOTE On this cor. Set off 18°49' S. on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 35°53' N. on the lat. arc.

Cash on a random line bet. sec. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N and S. line 8 lks. N. of the cor. of sec. 23, 24, 25 and 26, ^{hereinbefore described} thence S run

N 89°57' W. on a true line bet. sec. 23, and 26.

Descend steep rocky S.W. slope of mesa over hilly land through scattering greasewood brush undergrowth and bunch grass

35.50 Top of steep descent, desc. gradually

40.04 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 23 on N. half and S 26 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.

41.00 Dry ravine 10 lks. wide course south asc.

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

58.00 Road bears N and S.

59.80 Dry ravine 15 lks. wide course S.W. asc.

gradually over S.E. slope.

80.08 The cor. of sec. 22, 23, 26 and 27, ^{hereinbefore described}

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

N 0°01' W. bet. sec. 22 and 23.

Ascend S.E. slope over stony hilly land through scattering sage and greasewood brush undergrowth and bunch grass

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

16.00 Dry ravine 20 lks. wide course S 40° W. asc.

38.00 Top of sand ridge bears 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 1/4 sec. cor. marked

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ow brass cap $\frac{1}{4}$ S 22 ow W. half and S 23 ow E. half

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.

47.10 Dry ravine 5 lks. wide curved S.W. arc.

80.00 Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for cor. of secs. 14, 15, 22, and 23. marked on brass cap T 29 N, 315 in N.W., R13 E. S14 in N.E. S23 in S.E. and S22 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 hilly,

Soil sandy and stony 3rd and 4th rate.

No timber

January 26th 1911

January 31st 1911 At 10^h 43^m a.m. l.m.t. - I set off $35^{\circ} 54'$ N. on the lat. arc. $17^{\circ} 31' S$. on the decl. arc and determine a meridian with the solar at the cor. of secs 14, 15, 22, and 23, ^{above described} thence I run $S 89^{\circ} 57' E$. on a random line bet. secs. 14 and 23.

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

79.98 Intersect N. and S. line 2 lks. S. of the cor. of secs, 13, 14, 23, and 24, ^{herein before described} thence I run

$N 89^{\circ} 58' W$. on a true line bet. secs. 14 and 23.

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

6.00 Leave timber bears N. and S.

35.25 Road bears N. and S.

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 brass cap $\frac{1}{4}$ S14 ow N. half and S23 ow S. half
Dig pits 18x18x12 ins. E and W. of post 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.

NOTE

At this cor. I set off $17^{\circ} 30' S$. on the decl. arc. and at noon observe the sun on the meridian

Lebanon

and obtain a reading of $35^{\circ}54' 76$. on the lat. arc

42.50 Dry ravine 15 lbs. wide course $340^{\circ} W$. and low sand hills.

79.98 The cor. of secs. 14, 15, 22, and 23, hereinbefore described.
Land hilly.
Soil sandy 3rd rate.
Timber cedar.

January 31st 1911

February 2nd 1911; 8th 14^m a.m. l. and D set off $35^{\circ}54' 76$ on the lat. arc. $16^{\circ}58' 3$ on the decl. arc and determine a meridian with the solar alt. the cor. of secs. 14, 15, 22, and 23, ^{hereinbefore described} three from $N 0^{\circ} 01' W$. bet. secs. 14 and 15.

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

7.00 Top of sand ridge bears $N 6^{\circ}$ and $S 11^{\circ}$ due.

12.30 Dry ravine 10 lbs. wide course west.

14.00 Top of ridge bears $N 6^{\circ}$ and $S 11^{\circ}$ due.

35.70 Dry ravine 50 lbs. wide course $325^{\circ} W$. and

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for cor. marked on brass cap 315 on W. half and S 14 on E. half. 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.

61.60 Road bears $N 55^{\circ} E$. and $S 55^{\circ} W$.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 10, 11, 14 and 15 - marked on brass cap. T 29 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 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 hilly.
Soil sandy 3rd rate.
No timber

$89^{\circ}58' E$. on a random line bet. secs 11 and 14.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. and S. line 5 lbs. N. of the cor. of
secs. 11, 12, 13, and 14 ^{hereinbefore described}
thence S run
N $89^{\circ} 56'$ W. on a true line bet. secs. 11 and 14
Descend NW. slope over hilly sandy land through
sage and greasewood brush undergrowth and
tough grass
- 12.00 Dry ravine 25 lbs. wide 3 ft. deep course S.W. are.
- 25.00 Top of sand ridge bears N and S. desc.
- 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 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. N. of cor.
- 63.90 Old road bears N 30° E. and S 30° W.
- 65.00 Path of descent in depression bears N.W. and S.E.
drains to the S.E. are.
- 80.06 The cor. of secs. 10, 11, 14 and 15, hereinbefore described.
Land hilly,
Soil sandy 3rd rate
No timber
- N $0^{\circ} 01'$ W. bet. secs. 10 and 11
Over rolling sandy land through sage and
greasewood brush undergrowth and tough grass
- 30.00 Divide bet. the Moccasin and the Kibito Washes bears N E and S W.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins
in the ground for $\frac{1}{4}$ 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.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24
ins in the ground for cor. of secs. 2, 3, 10 and
11, marked on brass cap T 29 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. 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.

Chain

Soil sandy 3rd rate.

No timber

At this cor. I set off $16^{\circ}57'S$ on the decl. arc and
at noon observe the sun on the meridian and
obtain a reading of $35^{\circ}56'26$ on the Lib. arc.

$S89^{\circ}56'E$. on a random line bet. secs. 2 and 11

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

80.14 Intersect N. and S. line at the cor. of secs. 1, 2,
11. and 12, ^{herebefore described} ~~the~~ ^{same} ~~line~~.

$N89^{\circ}56'W$. on a true line bet. secs. 2 and 11

Ascend E. sloped over rolling sandy land, through
sage and greasewood brush undergrowth and
bunch grass.

4.35 Road bears N. and S.

5.00 Top of sand ridge bears N. and S. dec. gently.

15.40 Road from Oraibi Arizona to Puba City Arizona
bears $N45^{\circ}W$. and $S45^{\circ}E$.

40.07 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground for $\frac{1}{4}$ sec. cor. marked on head
top $\frac{1}{4} S 2$ on N. half and $S 11$ on S. half.

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

80.14 The cor. of secs. 2, 3, 10. and 11, hereinbefore described.

Land rolling.

Soil sandy 3rd rate.

No timber

$N0^{\circ}01'W$. on a random line bet. secs. 2 and 3.

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

79.82 Intersect N. ldy. of Twp. 23 lkn. $N89^{\circ}58'W$ of the cor.
of secs. 2, 3, 34 and 35 ^{recently estab. by me & described in Exterior Book "AN"} ~~the~~ ^{same} ~~line~~.

$S0^{\circ}09'W$. on a true line bet. secs. 2 and 3.

Descend gradually over S.E. sloped through sage
and greasewood brush undergrowth and
bunch grass.

14.25 Road from Oraibi Arizona to Puba City Arizona
bears $N40^{\circ}W$. and $S40^{\circ}E$.

39.82 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in

BOOK 2615

the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 1/4 S 33 on W. half and S 2 on E. half.
 Dig pits 18x18x12 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.

79.82 The cor. of secs. 2, 3, 10 and 11, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber

February 2nd 1911

January 27th 1911 Ah. 8^h 12^m a.m. left Desh off.
 35° 51' 1/2 N. on the lat. arc. 18° 35' S. on the decl. arc.
 and determine a meridian with the solar alt. the
 Standard Cor. of secs 33, and 34 on S. 1/4 of N. 1/4
 recently estab. by me & described in Standard Book "N"
 thence S. then.

N 0° 02' W. to sec. 33 and 34

Descend E. 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. 1/4
 S 33 on W. half and S 34 on E. half
 Dig pits 18x18x12 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.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins.
 in the ground for cor. of secs. 27, 28, 33 and 34
 marked on brass cap T 29 N. S 28 in N.W. T 13 E. S
 27 in N.E. S 34 in S.E. and S 33 in S.W. quadrants.
 Dig pits 18x18x12 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 3rd rate.
 No timber

East on a random line bet. sec. 27 and 34

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

80.04 Intersect N and S. line 5 lks. S. of the cor. of sec.
 26, 27 34 and 35, ^{hereinbefore described} thence S. then

Chain

17

S 89° 58' W. on a true line bet. sec. 27 and 34
descend N.W. slope over rolling sandy 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
N 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 $\frac{1}{2}$ ft base, 1 $\frac{1}{2}$ ft.
high N. of cor.

43.50 Dry ravine 5 lbs. wide 1 ft. deep course S.W.

47.00 Dry ravine 30 lbs. wide 4 ft. deep course south.

80.04 The cor. of sec. 27, 28, 33 and 34, hereinbefore described
Land rolling.
Soil sandy 3rd rate.
No timber

N 70° 2' W. bet. sec. 27 and 35.

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

34.45 Dry ravine 15 lbs. wide course S.E., down rolling
land bears N.W. and S.E., enter hilly land, asc.
S.W. slope.

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

42.40 Top of said ridge bears E and W. desc.

49.45 Dry ravine 20 ft. below top of ridge course S.E. asc.

66.50 Top of said ridge bears N.W. and S.E. desc.

69.40 Dry ravine 25 lbs. wide course S.E. asc.

80.00 Set an iron post 3 ft. long 7 in. in diam. 24 ins.
in the ground for cor. of sec. 21, 22, 27 and 28
marked on brass cap T 29 N. S 21 in N.W., R 13 E.
S 22 in N.E. S 27 in S.E. and S 28 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.

BOOK 2615

- Soil sandy 3rd rate.
No timber
- NOTE At this cor. Dep. off $18^{\circ}34' S.$ on the decl. arc and at noon observe the sun on the meridian and obtain a reading of $35^{\circ}53' N.$ on the lat. arc.
- 40.00 SW $89^{\circ}58' E.$ on a random line bet. sec. 22 and 27, Sec. twp, $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 12 lks. N. of the cor. of sec. 22, 23, 26 and 27 ^{hereinbefore described} thence S run
- SW $89^{\circ}57' W.$ on a true line bet. sec. 22 and 27, Descend S.W. slope over hilly sandy land through sage and greasewood bush undergrowth and bunch grass.
- 11.00 Proof of descent in depression bears N.E. and S.W. drains to the S.W. arc.
- 14.00 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 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap N 45 22 on N. half and S 27 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. tall, $1\frac{1}{2}$ ft. high. N. of cor.
- 54.70 Dry ravine 25 lks. wide 3 ft. deep course south arc.
- 73.40 Top of sand ridge bears N and S. desc.
- 75.00 Dry ravine 20 ft. below top of ridge course S.E. arc.
- 80.02 The cor. of sec. 21, 22, 27, and 28, hereinbefore described. Land hilly. Soil sandy 3rd rate. No timber
- SW $0^{\circ}02' W.$ bet. sec. 21 and 22. Arc end gradually over S.E. slope through sage and greasewood bush 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 N 45 21 on W half and S 22 on E half. Dig pits 18x18x12 in. N. and S. of post. 3 ft. dia.

Lehains

19

80.00 and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor. This cor. is on divide between Mancosie and De Nebels washes. ^{bears N 40° E and S 40° W} See 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 29 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 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

40.00 S 89° 57' E. on a random line bet. sec. 15 and 22
See temp. 1/4 sec. cor.
79.96 Intersect N. and S. line 3 lks. N. of the cor. of sec. 14, 15, 22 and 23, ^{hereinbefore described} thence S.W.
N 89° 56' W. on a true line bet. sec. 15 and 22. Descend S.W. slope over hilly sandy land through sage and greasewood bush undergrowth and bunch grass.

20.30 Dry ravine 25 lks. wide course south. and.
39.98 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. N 4 S 15 on N. half and S 22 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.

50.00 Top of arch on divide bet. the De Nebels and Mancosie Washes., bears N 40° E and S 40° W. Leave hilly land bears N.E. and S.W., enter rolling land, descend gradually over N.W. slope

56.75 Old road bears N. and S.
79.96 The cor. of sec. 15, 16, 21 and 22, hereinbefore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber.

January 27th 1911

February 3rd 1911; Abt 8^h 44^m a.m. Lm. C-D set off 35° 54' N. on the lat. arc. 16° 40' 1/2' S. on the decl. arc

BOOK 2615

- and determine a meridian with the solar ab. the
 cor. of secs. 15, 16, 21 and 22, ^{hereinbefore described} three from
 N 6° 0' 2" W, bet. secs. 15 and 16.
- Over rolling sandy land sloped to west, 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 14 S 16
 on W. half and S 15 on E. half
 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.
- 80.00 Set an iron post 3 ft. long, 2 in. in diam. 24 in.
 in the ground for cor. of secs. 9, 10, 15 and 16, marked
 on brass cap T 29 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 x 18 x 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 3rd rate.
 No timber
-
- 40.00 S 89° 56' E. on a random line bet. secs 10 and 15.
 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S. line at the cor. of secs. 10, 11,
 14 and 15, ^{hereinbefore described} three from
 N 89° 56' W. on a true line bet. secs 10 and 15.
 Arced gradually over S.E. slope, through scattering
 sage and greasewood brush undergrowth and
 bunch grass.
- 31.00 Top of divide between the De Nebets and Mowcopie
 Washes, bear N 30° E. and S 30° W.
- 39.97 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 14 S 10 on N. half and S 15 on S. half.
 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.
- 79.94 The cor. of secs 9, 10, 15. and 16, hereinbefore described.
 Land rolling

Soil sandy 3rd rate.
No timber

No 02 W. br. sec. 9 and 10.

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. 145 9 on W. half. and S10 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.

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 3, 4, 9 and 10, marked on brass cap T 29 N. S 4 in N.W. R 13 E. S 3 in N.E. S 10 in S.E. and S 9 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 3rd rate.
No timber.

NOTE: At this cor. I set off 16° 39' S. on the decl. arc and at noon observed the sun on the meridian and obtained a reading of 35° 56' N on the lab. arc.

S 89° 56' E. on a random line br. sec. 3 and 10.

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

79.98 Intersect N. and S. line 8 lks. N. of the cor. of sec. 2, 3, 10 and 11, ^{hereinbefore described} thence Drum

N 89° 53' W. on a true line br. sec. 3 and 10.

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

39.99 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 145 3 on N. half and S 10 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.

79.98 The cor. of sec. 3, 4, 9 and 10, hereinbefore described.

BOOK 2615

Land rolling.
Soil sandy 3rd rate.
No timber

40.00 W 0° 2' W. on a random line bet. secs. 3 and 4
Set temp 1/4 sec. cor.

79.80 Intersect N. bdy. of Twp. 25 bet. N. 89° 58' W. of the cor. of
secs. 3, 4, 33. and 34. ^{recently estab. by me & described in Exterior Book "AN"} thence S run

S 0° 09' W. on a true line bet. secs 3 and 4.
Descend S. slope over rolling sandy land through
scattering sage and greasewood bush undergrowth
and bunch grass.

39.80 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 4 on W. half and S 3. on E half.
Dig pits 18 x 18 x 12 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.

79.80 The cor. of secs. 3, 4, 9, and 10, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
No timber

February 3rd 1911

January 28th 1911; Ch. 8^h 13^m a.m. l.m.t. I set off
35° 51 1/2' N. on the lat. arc, 18° 19' S. on the decl. arc
and determine a meridian with the solar at
the Standard Cor. of secs. 32 and 33. on S.
bdy. of Twp. ^{recently estab. by me & described in Standard Book "N"} thence S run

W 0° 3' W. bet. secs. 32 and 33.

Descend N. slope 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 1/4 sec. cor. marked out brass
cap 1/4 S 32 on W. half and S 33. on E half.
Dig pits 18 x 18 x 12 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.

80.00 Set an iron post. 3 ft. long 2 ins. in diam. 24
ins. in the ground for cor. of secs. 28, 29, 32 and

Subdivision of Twp 29 N., R 13 E.

Chain

33, marked out brass cap. T 29 N, S 29 in N.W., R 13 E. S 28 in N.E. S 33 in S.E. and S 32 in S.W. quadrants.

Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. high 2 ft. high W. of sec. Land rolling. Soil sandy 3rd rate. No timber

Run on a random line bet. secs 28 and 33.

40.00 Set temp. 1/4 sec. cor.
80.02 Intersect N. and S. line 5 lks. S. of the cor. of secs. 27, 28, 33, and 34 ^{hereinbefore described} the line run S 89° 58' W. on a true line bet. secs. 28 and 33. Ascend S.E. slope over rolling sandy land through greasewood bush 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 out brass cap 1/4 S 28 on N. half and S 33 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. tall, 1 1/2 ft. high N. of cor.

57.00 W. of divide bet. the De Ne veto and Moencopie Washes bears N 20° E and S 20° W. desc. quarter

80.02 The cor. of secs. 28, 29, 32, and 33, ^{hereinbefore described} Land rolling. Soil sandy 3rd rate. No timber

N 0° 03' W. bet. secs. 28 and 29, over rolling sandy land through scattering 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 1/4 sec. cor. marked out brass cap 1/4 S 29 on W. half and S 28 on E. half. Dig pits 18x18x12 ins. N and S. of post. 3 ft. dist.

BOOK 2615

- 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. 20, 21, 28 and 29 marked on brass cap 729 N. 320 in NW, R 13 E 321 in NE. 328 in SE. and 329 in SW. 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 Ob. this cor. & set off. 18° 18 1/2' S. on the decl. arc. and at noon observe the sun on the meridian and obtain a reading of. 35° 53' N. on the lat. arc.
- 40.00 Set temp. 1/4 sec. cor.
- 80.04 Intersect N. and S. line 8 lks. N. of the cor. of secs. 21, 22, 27 and 28, ^{hereinbefore described} then run
N 89° 59' W. on a true line bet. secs. 21 and 28. Around E. slope of ridge over hilly sandy land through sage and greasewood bush undergrowth and bunch grass
- 4.65 Top of ridge bears N. and S. desc.
- 9.30 Top of ridge 15 lks. wide course South asc.
- 13.50 Top of divide between the De Nebito and Moencopie washes, bears N 40° E and S 40° W bears hilly land bears N.E. and S.W. Enter rolling land bears N.E. and S.W. desc. gently over N.W. slope
- 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 721 on N. half, and 328 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. W. of cor.
- 80.04 The cor. of secs. 20, 21, 28 and 29, hereinbefore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber

Subdivision of 9 1/4 29 1/2, R13E.

Chain

N 0° 03' W. 1/4 sec. 20 and 21.

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

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 20 on W. half and S 21 on E half.

Dig pits 18 x 18 x 12 ins. N. and S. of post. 3 ft. diam. 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. 16, 17, 20 and 21 marked on brass cap T 29 N. S 17 in N.W., R13E.

S 16 in N.E., S 21 in S.E. and S 20 in S.W. quadrants. Dig pits 18 x 18 x 12 ins. 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

S 89° 59' E. on a random line bet. sec. 16 and 21.

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line 3 lks. S. of the cor. of sec. 15, 16, 21 and 22, ^{hereinbefore described} thence from

Weir on a true line bet. sec. 16 and 21. Descend W. slope 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 1/4 S 16 on N. half and S 21 on S. half.

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

80.02 The cor. of sec. 16, 17, 20, and 21, hereinbefore described.

Land rolling.
Soil sandy 3rd rate.
No timber

January 28th 1911

Feb. 4th 1911. Ah. 9^h 14^m am. Com. to set off 35° 54' N.

BOOK 2615

on the lat. arc, $16^{\circ}23'S$, on the decl arc, and determine
a meridian with the solar, at the cor. of secs. 16, 17, 20
and 21, ^{hereinbefore described} thence I run

$N0^{\circ}03'W$, bet. secs. 16 and 17.

Over rolling sandy land sloped to N.W. 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.
S17 on W. half and S16 on E. half.

Dig pits $18 \times 18 \times 12$ 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 in. in
the ground for cor. of secs. 8, 9, 16 and 17, marked
on brass cap T 29 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. 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 3rd rate.

No timber

Back on a random line bet. secs. 9 and 16.

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

80.04 Intersect N. and S. line 8 lks. N. of the cor. of sec.
9, 10, 15 and 16, ^{hereinbefore described} thence I run

$N89^{\circ}57'W$, on a true line bet. secs. 9 and 16.

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

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

Dig pits $18 \times 18 \times 12$ 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.

80.04 The cor. of secs. 8, 9, 16, and 17, hereinbefore described.

Land rolling.

Soil sandy 3rd rate.

Subdivision of Tp 29 N., R 13 E.

Chains

27

No timber

N⁰ 03' W. bet. sec. 8 and 9,Over rolling sandy land, through scattering sage
and greasewood. bush undergrowth and
bunch grass40.00 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 8 on W. half and 59 on E. halfDig 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.NOTE At this cor. I set off 16° 21 $\frac{1}{2}$ ' S on the decl. arc
and at noon observed the sun on the meridian
and obtain a reading of 35° 55 $\frac{1}{2}$ ' N. on the laborer.80.00 Set an iron post 3 ft. long 2 in. in diam 24 in.
in the ground for cor. of sec. 4, 5, 8, and 9,
marked on brass cap. T 29 N. S 5 in N. W., T 13 E.S 4 in N. E. S 9 in S. E. and S 8 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

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

40.00 Set temp $\frac{1}{4}$ sec. cor.80.06 Intersect N. and S. line 5 lks N. of the cor. of sec.
3, 4, 9, and 10 ^{hereinbefore described} thence from

N 89° 55' W. on a true line bet. sec. 4 and 9,

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 $\frac{1}{4}$ sec. cor. marked
on brass cap $\frac{1}{4}$ S 4 on N. half, and 59 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

BOOK 2615

1 1/2 ft. high W. of cor.
 80.06 The cor. of secs. 4, 5, 8 and 9, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber

40.00 No 0° 3' W. on a random line bet. secs. 4 and 5
 Set temp. 1/4 sec. cor.
 79.82 Intersect N. ldy. of Np. 32 lks N. 89° 58' W. of the cor.
 of secs. 4, 5, 32 and 33, ^{recently estab. by me & described in Exterior Book "AN"} thence S run
 S 0° 11' W. on a true line bet. secs 4 and 5.
 Over rolling sandy land through sage and
 greasewood bush undergrowth and bunch
 grass

39.82 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 5 on W. half and S 4 on E.
 half.

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

79.82 The cor. of secs. 4, 5, 8, and 9, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber

February 4th 1911.

January 30th 1911. Ab. 8^h 43^m a.m. l.m.t. Seth.
 off. 35° 51 1/2' N. on the lch. arc. 17° 48' S. on the decl.
 arc. and determine a meridian with the
 solar at the Standard Cor. of secs. 31 and 32
 on S. ldy. of Np. ^{recently estab. by me & described in Standard Book "N"} thence S run
 W 0° 0' W. bet. secs. 31 and 32.
 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 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 ins N and S. of post 3 ft.
 dist. and raise a mound of earth 3 1/2 ft. base
 1 1/2 ft. high. W. of cor.

80.00 Set an iron post 3 ft. long 2 ins. in diam 24 ins. in the ground for cor. of secs. 29, 30, 31 and 32 marked on brass cap T 29 N. S 30 in N.W. R 13 E S 29 in N.E. S 32 in S.E. and S 31 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

Cash on a random line bet. secs. 29 and 32.

40.00 Set temp 1/4 sec. cor.

80.00 Intersect N. and S. line ab. the cor. of sec. 28, 29, 32, and 33, ^{hereinbefore described} Thence run

W. on a true line bet. secs. 29 and 32. 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 29 on N. half and S 32 on S. half.

80.00 The cor. of secs. 29, 30, 31 and 32, ^{hereinbefore described} Dig pits 18x18x12 ins. E. & W. of post 3 ft. dist. & raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cap.
Land rolling.
Soil sandy 3rd rate.
No timber

W. on a random line bet. secs. 30 and 31

40.00 Set temp 1/4 sec. cor.

79.90 Intersect the 3rd Guide Meridian Cor. 5 lks. N. of the cor. of sec. 25, 30, 31 and 36, ^{recently estab. by me & described in Standard Book "R"} Thence run

N 89° 58' E. on a true line bet. sec. 30 and 31 around N.W. slope over rolling sandy land through sage and greasewood brush undergrowth and bunch grass

39.90 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 30 on N. half and S 31 on S.

BOOK 2615

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.

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

Soil sandy 3rd rate.

No timber

NOTE at this cor. Deb off. 17°47' S, on the decl. arc and at noon observe the sun on the meridian and obtain a reading of 35°52' N. on the lat. arc.

N 0°03' W. line, secs. 29 and 30.

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

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 4 S 30 on W. half and S 29 on E half

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 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 7 29 N, S 19 in N. W. N 13 E, S 20 in N. E. S 29 in S. E. and S 30 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 rolling.

Soil sandy 3rd rate.

No timber

Each on a random line bet. secs. 20 and 29.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect N. and S. line 5 lks. N. of the cor. of secs. 20, 21, 28 and 29, ^{hereinbefore described.} thence S run

N 89°58' W. on true line bet. secs. 20 and 29

Chain

Descend N.W. slope over rolling sandy 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 out brass cap $14^{\circ} 5' 20''$ on N. half and 329 on S. half. Dig pits $18 \times 18 \times 12$ 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. No. of cor.

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

January 30th 1911.

Feb 6th 1911. At 8^h 14^m a.m. l.m. & set off, $35^{\circ} 53' N.$ on the lat. arc, $15^{\circ} 47' S.$ on the decl. arc, and determine a meridian with the solar at the cor. of sec. 19, 20, 29 and 30, ^{hereinbefore described} thence run $S 89^{\circ} 58' W.$ on a random line bet. sec. 19 and 30.

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

79.82 Intersect the 3rd Guide Meridian East. 8 lks. S. of the cor. of sec. 19, 24, 25 and 30, ^{recently estab. by me & described in Std. Book "R"} thence run $S 89^{\circ} 59' E.$ on a true line bet. sec. 19 and 30.

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

39.82 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 $14^{\circ} 5' 19''$ on N. half and 330 on S. half. Dig pits $18 \times 18 \times 12$ 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. No. of cor.

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

$N 0^{\circ} 03' W.$ bet. sec. 19 and 20.

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

BOOK 2615

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 N 43 19 on W. half and S 20 on E. half.
 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 2 ins. in diam. 24
 ins. in the ground for cor. of sec. 17, 18, 19 and
 20 marked on brass cap T. 29 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 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

S 89° 58' E. on a random line bet. sec. 17 and 20.
 40.00 Set temp $\frac{1}{4}$ sec. cor.

79.98 Intersect N. and S. line 8 lks. S. of the cor. of sec.
 16, 17, 20 and 21, ^{hereinbefore described} the ~~same~~ true line.

S 89° 59' W. on a true line bet. sec. 17 and 20.
 Descend W. slope over rolling sandy land
 through sage and greasewood brush undergrowth
 and bunch grass

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 brass
 cap. N 43 17 on N. half and S 20 on S. half.
 Dig pits 18x18x12 ins. E. and W. of post, 3 ft.
 dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base
 1 $\frac{1}{2}$ ft. high. N. of cor.

79.98 The cor. of sec. 17, 18, 19 and 20, hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber

S 89° 59' W. on a random line bet. sec. 18 and 19,
 40.00 Set temp $\frac{1}{4}$ sec. cor.

79.74 Intersect the 3rd Guide Meridian East. at the cor.

Subdivision of N/4 29 T6., R13E

Chain

of sec. 13, 18, 19, and 24, ^{recently estab. by me & described in Std. Book "R"} thence I run
S89°59'E on a true line bet. sec. 18 and 19
Ascend N.W. slope over rolling sandy land through
scattering sage and greasewood brush under-
growth and bunch grass.

39.74 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 18 on N. half and S 19 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.

NOTE At this cor. I set off 15°45' S. on the decl. arc.
and at noon observe the sun on the meridian
and obtain a reading of 35°54' N. on the lab. arc.

79.74 The cor. of sec. 17, 18, 19, and 20, hereinbefore described.
Land rolling
Soil sandy 3rd rate
No timber

N0°03' W. bet. sec. 17 and 18
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 1/4 sec. cor. marked on brass
cap 1/4 S 18 on W. half and S 17 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.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins.
in the ground for cor. of sec. 7, 8, 17 and 18.
marked on brass cap. T 29 N. 37 in N.W. R13E.
S 8 in N.E. S 17 in S.E. and S 18 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.
Soil sandy 3rd rate.
No timber

BOOK 2615

N 89° 54' E on a random line bet. sec. 8 and 17
 40.00 Set temp. 1/4 sec. cor.
 79.96 Intersect N. and S line 5 lks. N. of the cor. of sec. 8, 9, 16 and 17, ^{hereinbefore described} thence Drum
 N 89° 54' W. on a true line bet. sec. 8 and 17.
 Ascend W. slope over rolling sandy land through sage and greasewood brush, undergrowth and bunch grass
 39.98 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 1/4 S 8 on N. half and S 17 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. N. of cor.
 79.96 The cor. of sec. 7, 8, 17 and 18; hereinbefore described.
 Land rolling.
 Soil sandy 3rd rate
 No timber

February 6th 1911

February 7th 1911. At 8^h 14^m a.m. Comt. Dec. off 35° 55' N. on the lat. arc. 15° 29' S. on the decl. arc. and determine a meridian with the solar. at the cor. of sec. 7, 8, 17, and 18, ^{hereinbefore described} thence Drum
 N 89° 54' W. on a random line bet. sec. 7 and 18
 40.00 Set temp. 1/4 sec. cor.
 79.64 Intersect the 3rd Guide Meridian East. 3 lks. N. of the cor. of sec. 7, 12, 13 and 18, ^{recently estab. by me & described in Std. Book "R"} thence Drum
 East. on a true line bet. sec. 7 and 18.
 Ascend N. W. slope over rolling sandy land through scattering sage and greasewood brush, and bunch grass.
 39.64 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. 1/4 S 7 on N. half and S 18 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 N. of cor.
 79.64 The cor. of sec. 7, 8, 17 and 18; hereinbefore described.
 Land rolling
 Soil sandy 3rd rate.
 No timber.

Subdivision of Twp 29N, R13E.

Chain

N⁰03' W. bet. secs. 7 and 8.

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 70 W W. half, and S 8. on E. half.

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

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

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. cap sec. 5, 6, 7, and 8 marked on brass cap T 29 N. 36 in N.W. R13E. 35 in N.E. 38 in S.E. and 37 in S.W. quadrant.

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

Land rolling.
Soil sandy 3rd rate.
No timber

S 89° 54' E. on a random line bet. secs. 5 and 8.

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

79.90 Intersect N. and S. line 5 lks. S. of the cor. of sec. 4, 5, 8, and 9, ^{hereinbefore described} the ~~line~~ ^{draw}.

S 89° 59' W. on a true line bet. secs. 5 and 8.

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

39.95 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 50 W N. half and S 8 on S. half.

Dig pits 18x18x12 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. W. of cor.

79.90 The cor. of sec. 5, 6, 7, and 8, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.

Subdivision of Twp 29 N., R 13 E.

BOOK 2615

No timber

At this cor. I set off $15^{\circ}27'$ S. on the decl. arc and at noon observed the sun on the meridian and obtain on the lat. arc a reading of $35^{\circ}56'76$.

Walk on a random line bet. secs. 6 and 7,

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

79.54 Intersect the 3rd Guide Meridian East. 5 lks. S. of the Cor. of secs. 1, 6, 7 and 12, thence run $89^{\circ}58'$ E. on a true line bet. secs. 6 and 7.

Descend S.E. slope over rolling sandy land through sage and greasewood bush and bunch grass.

26.00 Proof of descent in depression betw. N.E. and S.W. ascend gradually over N.W. slope.

39.54 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 60 W N. half and S 70 W S. half Dig pit 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.

79.54 The cor. of secs. 5, 6, 7, and 8, hereinbefore described.

Land rolling.

Soil sandy 3rd rate.

No timber

W 0^o 03' W. on a random line bet. secs. 5 and 6.

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

79.96 Intersect N. bdy. of Twp 14 lks. N $89^{\circ}58'$ W. of the Cor. of secs. 5, 6, 31 and 32, thence run

S 0^o 03' W. on a true line bet. secs. 5 and 6.

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

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 60 W W. half. and S 50 W 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,

Chin

7996 1 1/2 ft. high W. of cor.
The cor. of sec. 5, 6, 7, and 8, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
No timber

February 7th 1911

General Description

This township contains two varieties of land, rolling and hilly, and the soil ranges from stony to sandy loam, and can nearly all be classed as 3rd rate.

Nearly the entire township is covered with an abundant growth of nutritious grasses principally bunch grass which affords excellent pasture for cattle and horses in the winter time when snows come to furnish water.

Very little of the land in this township is susceptible to irrigation and will not produce crops without it.

Scattered scrub cedar timber is found on the mesa portion of the township.

A spring in section 12, furnishes the only water found in the township.

Extensive beds of sand stone underlie the eastern portion of the township, and at a greater depth beds of coal exist judging from the coal out-croppings on the eastern side of this mesa in T^p. 29N, R 13E.

There are no settlers in the township

Van L. White
U.S. Surveyor

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 29 N. R. 13 E. of the G. & S. R. Base & Meridian, Arizona showing the respective capacities in which they acted:

- T. Y. White, Chainman.
- Richard L. Shumway, Chainman.
- George B. Seig, Moundman.
- Harry Keyope, Moundman.
- 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 29 N R 13 E.

of the Gila and Salt River Bas. & 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 for~~ Commissioner of the General Land Office
- T. Y. White, Chainman.
 - Richard L. Shumway, Chainman.
 - George B. Seig, Moundman.
 - Harry Keyope, Moundman.
 - Nelson Polacca, Axman.
 - William R. Carson, Flagman.

Subscribed and sworn to before me this 5th day of February 1911, ~~1900~~



Van L. White
U.S. Transitman

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 ~~contract~~ ^{Special Instructions} received from ~~the Commissioner of the United States Surveyor General for~~ General Land Office, bearing date of the 2nd day of Oct. 1907 ~~day of~~ 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 for~~ 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. 29 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 General for~~ 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, 1902

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



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona **APR 25** ^{'1}, 1904

The foregoing field notes of the survey of the
Subdivision lines of

Township No. 29 North, Range No. 13 East of the
Gila and Salt River Base and Meridian, Arizona
executed by VAN L. WHITE, U.S. Transitman, under Special Instructions
executed by from 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 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