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Subdivisional
BOOK "W"

BOOK 2601

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Township No. 25
North of Range No. 13 East.

Of the Gila and Salt River Basins and Meridian,
in the Territory of Arizona

EXECUTED
AS ~~ORDERED~~ BY

Sidney E. Blout, United States Examiner of Surveys,
~~Deputy Surveyor~~

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

Survey commenced February 10th 1910

Survey completed February 20th 1910

NAMES AND DUTIES OF ASSISTANTS.

Van L. White Compassman

Fred L. Warner Chairman

Earl Albright Chairman

P. J. White Chairman

Ralph Sampson Woundman

Clas L. Shumway Woundman

William R. Carson Flagman

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BOOK 2601

Book No. 2601

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Township No. 25 No. Range 136

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3RD GUIDE MERIDIAN EAST
STANDARD BOOK "D"

EXTERIOR BOOK "L"

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6TH STANDARD PARALLEL NORTH

STANDARD BOOK "E"

Meanders Page

-----UNSURVEYED

Subdivision of Twp 25 N. R 13 E.

Chain

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Survey commenced Feb. 10th 1910 and executed with a W and S. E. Gurley engineers transit No. 76. with a Burk 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.

I examined the adjustments of the transit and find them to be as nearly perfect as I am able to make them. 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 that the instrument is in satisfactory adjustment.

For last complete test of instrument see field notes of the survey of the Sixth Standard Parallel North through Range 13 E., in Standard Book "E"

I begin at the Standard Cor. of Secs. 35 and 36.

T. 25 N. R. 13 E., which I established Feb. 7th 1910.

and described in Standard Book "E" Latitude 35° 30' 35" N. Longitude 110° 55' 12" W. and

Ch. 7th 45^m a. m. ^{l.m.t.} ~~Set off~~ 35° 30' 1/2" N. on the lat. arc. 14° 27' 3. on the decl. arc. and determined a meridian with the solar. Thence I run

N 0° 01' W. for sec. 35 and 36.

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

140.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 35 on W. half and S 36 on E. half.

Dig pits 18x18x12 in. 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.

56.90 Old road from Leupp Indian Agency to Craib's Ariz. bears N.E. and S.W.

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

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

Soil sandy 2nd and 3rd rate.

No timber

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- 40.00 Cash. on a random line bet. secs. 25 and 36.
Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect E. base of T_p. 3 lks S of the cor. of secs. 25
recently estab. by find and described in Exterior Book "L"
30, 31. and 36. Thence "D run"
S 89° 59' W. on a true line bet. sec 25 and 36.
Over level sandy land through sage and greasewood
brush undergrowth and bunch grass.
- 29.05 Road from Leupp Indian Agency to Oraibi Ariz leads
N.E. and S.W.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 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. W. of cor.
- 79.96 The cor. of secs. 25, 26, 35 and 36; heretofore described.
Land level.
Soil sandy 2nd and 3rd rate.
No timber.
-
- N 0° 01' W. bet. sec 25 and 26.
Over level sandy land through sage and greasewood
brush undergrowth and bunch grass.
- 16.82 Old road leads E. and W. leads from Oraibi Ariz
to Navajo hogans.
- 32.00 Leave level land bears N.E. and S.W. Enter low rolling
sand hills bears N.E. and S.W., ascend gradually
over S.E. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the
ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 26 on
W. half and S 25 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.
- 73.40 Top of sand ridge bears N.E. and S.W. descend gradually
over N.W. slope.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in
the ground for cor. of secs. 23, 24, 25 and 26., marked
on brass. Cap T 25 N S 23 in N.W. T 13 E. S 24 in N.E. S 25
in S.E. and S 26 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 level and hilly

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

40.00 N 89° 59' E on a random line bet. sec. 24 and 25
Set temp. 7 sec. cor.

79.98 Intersect E. edge of N^o 2 lks. N. of the Cor. of sec. 19, 24
recently estab. by me and described in Exterior Book "L"
25 and 30, thence from

West on a true line bet. sec. 24 and 25
Descend S.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 7/8 sec. cor. marked on base of 1/4 S 24 on N.
half and S 25 on S. half.

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

NOTE At this cor. I set off 14° 25' S on the decl. arc and at noon
observed the sun on the meridian and obtained on the lat.
arc a reading of 35° 32' N.

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

N 90° 01' W. bet. sec. 23 and 24

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

1.30 Dig pit 15 ft. below cor. course S.W. ac. steeply over S.W.
slope.

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

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground
for 7/8 sec. cor. marked on base of 1/4 S 23 on W. half and
S 24 on E. half.

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

This cor. is situated at foot of descent in depression
bears N.E. and S.W. ac.

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

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 out

Subdivision of Twp 25 N. R 18 E.

4 chains

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brass Cap, T 25 N S 14 in N.W. T 13 E. S 13 in N.E. S 24 in S.E. and S 23 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 & sand hills.
 Soil sandy 3rd rate.
 No timber.

40.00 Go on a random line bet. sec. 13 and 24.
 80.12 Set temp. 1/4 sec. cor.
 80.12 Intersect E. l. of Twp. 3 lks. S. of the cor. of sec. 13, 18, 19 and 24. Thence run
 S 89° 57' W. on a true line bet. sec. 13 and 24
 Descend W. slope over hilly sandy land through scattering sage and greasewood bush undergrowth and bunch grass.
 30.60 Top of descent in depression bears N.E. and S.W. drain to S.W. ascend S.E. slope.
 40.06 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 13 on W. half and S 24 on S. half.
 Dig pits 18 x 18 x 12 ins. E and W. of post. 3 ft. dia, and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
 42.50 Top of sand ridge bears N.E. and S.W. desc. N.W. slope
 80.12 The cor. of sec. 13, 14, 23. and 24, here before described.
 Land hilly.
 Soil sandy 3rd and 4th rate.
 No timber.

Feb 10th 1910

Feb. 14th 1910 ^{12:30} ^{l.m.t.} at 7:30 am set off 35° 33' N. on the lake and 1307' S on decl. arc and determine a meridian with the solar alt. the cor. sec. 13, 14, 23 and 24, Thence run
 N 0° 01' W bet. sec. 13 and 14, here before described

Over level sandy land through scattering sage and greasewood bush 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 14 on W. half and S 13 on E. half.
 Dig pits 18 x 18 x 12 ins N. and S. of post 3 ft. dia, and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
 57.00 Level land bears N.E. and S.W. Enter

chains

- rolling land bears NE and SW. ascend gently over SE slope.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 11, 12, 13 and 14 marked on brass cap. T 15 N S 11 in N.W. T 13 E. S 12 in NE S 13 in SE and S 14 in SW. quadrants. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. tall, 2 ft. high W. of cor.
 Land level and rolling.
 Soil sandy 2nd and 3rd rate.
 No timber.
-
- N 89° 59' E over a random line bet sec. 12 and 13
- 40.00 Set temp. 1/4 sec. cor.
- 80.08 Intersect E. edge of Twp. 10 lks. S. of the cor. of sec. 7, 12, 13 and 16. ^{recently estab. by line and described in Exterior Book "L"} Thence S run
 S 89° 55' W on a true line bet. sec. 12 and 13.
 Over rolling sandy mesa land through scattering sage brush undergrowth and bunch grass.
- 17.80 East side of Canyon on perpendicular cliff. 100 ft. high bears N and S. Leave rolling sandy land bears N and S. Enter stony land bears N and S. desc. cliffs.
- 18.00 Foot of cliffs bears N and S. Leave stony land bears N and S. Enter sandy land bears N and S.
- 35.50 Foot of sandstone cliffs 100 ft. high bears N and S. Leave rolling sandy land bears N and S. Enter stony land bears N and S. ascend cliffs.
- 36.50 West side of canyon on cliff. 100 ft. high bears N and S. Leave stony land bears N and S. Enter rolling sandy land bears N and S.
- 40.00 Set an iron post 3 ft. long 1 1/2 in. in diam 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 4 S 12 on N half and S 13 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 tall 1 1/2 ft. high N of cor
- 40.45 West edge of mesa on cliffs 125 ft. high bears rolling land bears N and S. Enter stony land bears N and S.
 Descend abruptly over cliffs
- 43.00 Foot of mesa, an edge of circular lake bears N and S.

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chains

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- 45.00 Leave stony land bears N and S. Enter sandy land bears N and S.
West edge of lake bears N 3 ch and S 1 Ch dist.
Enter scattering sage brush undergrowth and bunch grass
- 80.08 The cov of sees. 11, 12, 13 and 14, herein before described.
Land level rolling and hilly.
Soil sandy with stony 3rd and 4th rate.
No timber.
-
- N 0° 01' W true. sees 11 and 12
Over rolling sandy land through scattering sage brush undergrowth
and bunch grass.
- 27.00 Sand ridge bears E and W. desc.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the
ground for 1/4 sec cov marked on brass cap 1/4 S 11 on W half
and S 12 on E half.
Dig pits 18 x 18 x 42 in. N and S of post 3 ft. dist. and raise
a mound of earth 3 1/2 ft. tall 1 1/2 ft. high. W. of cov.
- 50.60 Dry sand wash, 200 lbs wide 6 ft. deep course W. are
- 66.76 Old road to Navajo hogw. bears E and W.
- 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the
ground for cov of sees 10, 11 and 12 marked on brass cap
T 25 N 32 in N W. R 13 E S 1 in N. E. S 12 in S. E. and S 11 in S. W. quadrants.
Dig pits 18 x 18 x 12 in. in each sec 5 1/2 ft. dist. and raise
a mound of earth 4 ft. tall 2 ft. high. W. of cov.
Land rolling.
Soil sandy 3rd rate.
No timber.
-
- N 89° 55' E on a random line true. sees. 1 and 12
- 40.00 Set temp. 4 sec. cov.
- 80.00 Intersect E. bdy. of Twp 5. Ch. N. of cov. of sees. 10, 7 and 12
herein before described
Thence down
- S 89° 57' W on a true line true. sees. 1 and 12
Over level sandy mesa land through sage brush undergrowth
and bunch grass.
- 21.40 East edge of canyon on perpendicular cliffs 120 ft high
bears N. W. and S. E. descend abruptly
- 23.00 Foot of cliffs bears N. W. and S. E. enter rolling sandy land
bears N. W. and S. E.
- 34.00 Foot of bluffs 100 ft high. W side of canyon bears sandy
land bears N. E. and S. W. ascend abruptly over cliffs
- 35.00 Top of cliffs bears N. E. and S. W. enter rolling land bears N. E. + S. W.

Chain

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35.40 West edge of mesa on cliffs from N.E. and S.W. desc.

36.50 Foot of mesa from N.E. and S.W. Entire rolling sandy land from 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. cov. marked on brass cap $\frac{1}{4}$ S 1 on N. half and S 12 on S half. Dig pits 18 x 18 x 12 ins. E and W of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high W of cov.

42.00 At point 6 Ch. 76 of Indraw Hogan.

80.00 The cov. of secs. 1, 2, 11 and 12, heretofore described. Land level, rolling and broken. Soil sandy and stony 3rd and 4th rate. No timber.

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

80.02 Intersect N. 6th of M^o 5th E. N. 89° 58' E. of the cov. of secs. 1, 2, 35 and 36, Thence down recently established by me and described in Exterior Book "1" S 0° 03' E on a true line to sec. 1 and 2. Over rolling sandy land.

49.02 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cov. marked on brass cap $\frac{1}{4}$ S 2 on W. half and S 1 on E. half Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cov.

72.40 Pile of sand stone spar 25 ft. wide 70 ft. high from N.E. and S.E. extends 200 lbs. W. of line

80.02 The cov. of secs. 1, 2, 11 and 12, heretofore described. Land rolling and hilly. Soil sandy and stony 3rd and 4th rate. No timber.

NOTE Clouds obscure the sun at noon today rendering an observation for latitude with the solar impossible Feb. 14th 1910

Feb. 11th 1910 Ah. 7^h 30^m ^{limit.} a.m. Set off 35° 30' N. on the lat. arc. 14° 06' S. on the decl. arc. and determined a meridian with the solar on the Standard Cor. of secs. 34 and 35 on the S. 1st of M^o 5th E. Thence down.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cov. marked on brass cap $\frac{1}{4}$ S 34 on W. half and S 35 on E. half. Dig pits 18 x 18 x 12 ins. N and S. of post. 3 ft. dia. and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high. W. of cov.

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

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the ground for cor. of secs. 26, 27, 34 and 35 marked
 on brass cap 'T 25 NS 27 in NW, T18E S26 in NE. S 35 in
 S.E. and S 34 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 level.
 Soil sandy 2nd and 3rd rate.
 No timber

40.00 Set on a random line bet. secs. 26 and 35
 Set temp. 4 sec. cor.
 79.96 Intersect N and S. line 3 lks. S. of the cor. of secs 25, 26,
 35 and 36 ^{heretofore described} Thence run
 S 89° 59' W. on a true line bet. secs. 26 and 35.
 Over level and rolling sandy land through scattering
 sage and greasewood brush undergrowth and bunch
 grass.
 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for 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.
 53.80 Old road bears N. and S. leads to Navajo Hogans.
 79.96 The cor. of secs. 26, 27, 34 and 35, heretofore described.
 Land level and rolling.
 Soil sandy 3rd rate.
 No timber.

N 0° 01' W. bet. secs. 26 and 27,
 Over rolling sandy land. Slopes to NW, through sage
 and greasewood brush undergrowth and bunch grass
 33.00 Old road 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 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.
 80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins. in
 the ground for cor. of secs. 22, 23, 26 and 27. marked

Chain

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on brass Cap T₂₅N. S₂₂ in N.W., T₁₃E. S₂₃ in N.E. S₂₆ in S.E. and S₂₇ in S.W. quadrants.

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

Land rolling

Soil sandy 3rd rate.

No timber

NOTE

At this cor. I set off 14° 06' S. on the decl. arc. and at noon observe the sun on the meridian, and obtain on the hor. arc. a reading of 35° 32' 76.

N 89° 59' E. on a random line bet. secs 23 and 26.

40.00 Set temp. 1/4 sec. cor.

79.92 Intersect N and S. line at the cor. of secs 23, 24, 25 and 26, herebefore described, Thence Drum.

S 89° 59' W. on a true line bet. secs 23 and 26.

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

5.00 Dry ravine course S.W. acc. S.E. slope.

13.00 Top of sand ridge betw N.E. and S.W. desc. N.W. slope over rolling land.

22.50 Old road betw N and S. leads to Navajo hogans.

39.96 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 28 on N. half and S 26 on S. half.

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

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

Land hilly, and rolling.

Soil sandy 3rd rate.

No timber.

N 90° 01' W. bet. secs. 22 and 23.

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

24.00 Foot of descent, down rolling land betw East W., Enter level land betw East W.

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

71.60 Old road bears N.E. and S.W., leads to Navajo Hogans.

80.00 Set an iron post 3 ft. long, 2 in. in diam. 24 in. in the ground for cor. of secs. 14, 15, 22 and 23., marked out brass cap. T 25 N. S 15 in N.W. R 18 E S 14 in N.E. S 23 in S.E. and S 22 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 level and rolling.

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

N 89° 59' E. on a random. line bet. secs. 14 and 23

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

79.94 Intersect. N and S. line 8 lvs. N. of the cor. of secs 13, 14, 23 and 24, ^{herebefore described} Thence Drum

N 89° 58' W. on a true line bet. secs. 14 and 23.

Descend N.W. slope over hilly sandy land through sage and greasewood bush. undergrowth and bunch grass.

21.00 Proof of descent in depression bear N.E. and S.W. drains to S.W. asc. S.E. slope.

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

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 out brass cap. $\frac{1}{4}$ S 14 on N. half and S 23 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. W. of cor.

50.00 Proof of descent. Land rolling hilly land bears N and S. Enter level. land bears N and S.

77.70 Old road to Navajo hogans bears N. and S.

79.94 The cor. of secs. 14, 15, 22 and 23, herebefore described. Land level, rolling and hilly. Soil sandy 2nd and 3rd rate.

No timber.

February 11th 1910

Chain:

February 15th 1910th At 7^h 45^m a.m. l.m.t. Set off 35° 33' N. on the
 lat. arc. 12° 41' S on the decl. arc and determine a
 meridian with the solar at the cor. of secs. 14, 15, 22
 and 23, ^{heretofore described} (thence drum)

N 0° 01' W. lch. secs. 14 and 15

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

4,000 level land bears NW. and S.E. Enter rolling
 sand hills bears NW. and S.E. Ascend gradually
 over SW. slope.

35,000 Top of sand ridge bears N.E. and S.W. desc. gradually
 over NW. slope.

40,000 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ S 15
 on W. half and S 14 on E. half.

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

80,000 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 25 N S 10 in NW. T 13 E S 11 in N.E. S 14
 in S.E. and S 15 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 level and hilly.
 Soil sandy 3rd rate.
 No timber.

S 89° 58' E. on a random line bet. secs. 11 and 14.

40,000 Set temp. $\frac{1}{4}$ sec. cor.

79,98 Intersect N and S. line 8 lks. N. of the cor. of secs. 11, 12, 13 and 14
 (thence drum) ^{heretofore described}

N 89° 57' W on a true line bet. secs. 11 and 14, Over rolling
 sandy land through sage brush undergrowth and bunch grass.

21,000 Foot of descent in depression bears N. and S. drains to South and

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 $\frac{1}{4}$ 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.

BOOK 2601

54.00 Top of sand ridge bears N.E. and S.W. desc. N.W. slope.
 79.98 Tub cor. of secs 10, 11, 14 and 15, heretofore described.
 Land rolling and hilly.
 Soil sandy 3rd rate.
 No timber.

N 90° 01' W. Sec. secs 10 and 11.

Over rolling sandy land through scattering sage and
 greasewood bush undergrowth and bunchgrass
 17.25 Old road bears N.E. and S.W. Leads to Navajo hog wall.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground
 for 4 sec. cor. marked on brass cap 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.
 dist and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

54.00 Enter dry sand wash. course S.W. thence into of wash.

69.00 Leave sand wash course from N.E., ascend S.E. slope

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 25 N S 3 in N.W. T 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 1/2 ft. dist. and raise
 a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land rolling and hilly.

Soil sandy 3rd rate.

No timber

NOTE At this cor. set off 12° 45' S. on the decl. arc and at noon
 observe the sun on the meridian the resulting lat. being 35° 35' N.

S 89° 57' E on a random line Sec. secs 2 and 11.

40.00 Set temp. 4 sec. cor.

80.00 Intersect Naud S. line at the cor. of secs. 1, 2, 11 and 12,
 heretofore described
 Thence down

N 89° 57' W. on a true line Sec. secs 2 and 11

Descend W. slope over rolling sandy land through sage
 and greasewood bush undergrowth and bunchgrass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for 4 sec. cor. marked on brass cap 4 S 2 on N. half
 and S 11 on S. half. Dig pits 18 X 18 X 12 ins. E and W of
 post 3 ft. dist and raise a mound of earth 3 1/2 ft. base 1 1/2
 ft. high. N. of cor.

57.90 At top of dry sand wash 210 lks. wide 4 ft. deep course
 S.W. ascend gradually.

Chain

71.25 Dry sand wash 100 lbs. wide course SW. ascend E. slope
 80.00 The cor. of sec. 2, 3, 10 and 11, heretofore described.
 Sand rolling
 Soil sandy 3rd rate.
 No timber.

N^o 01 W. on a random line bet. sec. 2 and 3
 140.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.00 Intersect N. line of Twp. 5 lks. N⁸⁹⁵⁸E. of the cor. of sec. 2, 3, 34 and 35, recently estab. by me and described in Exterior Book "L" Thence S run
 S^o 08' E. on a true line bet. sec. 2 and 3.
 Over rolling sandy land through sage 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 3 on W. half and S 2. 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.

72.25 Begin gentle descent on S.E. slope.
 80.00 The cor. of sec. 2, 3, 10 and 11, heretofore described.
 Sand rolling.
 Soil sandy 3rd rate.
 No timber.

February 15th 1910

February 12th 1910 At 7^h 15^m ^{l.m.t.} A.M. Set off 35° 30' 1/2' N. on the lat. arc. 13° 45' 1/2' S. on the decl. arc. and determine a meridian with the solar on the Standard Cor. of sec. 33 and 34 on S. line of Twp. Thence S run

N^o 02 W. bet. sec. 33 and 34.
 Over level sandy land through sage and greasewood brush and bunch grass.
 4.00 Level land toward E and W. Enter low rolling sand hills toward E and W.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 33 on W. half and S 34 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.

Subdivision of Q¹/₄ 25 T₆ R 13 E.

14

Reclaim

BOOK 2601

- 56.00 Level hilly land from E and W, Enter level land from 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. 27, 28, 33 and 34, marked on brass cap T 25 N S 28 in N.W. R 13 E. S 27 in N.E. S 34 in S.E. and S 33 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land level and hilly.
Soil sandy 3rd and 4th rate.
No timber.
- 40.00 Cash on a random line bet. sec 27 and 34.
Set temp. 1/4 sec. cor.
- 80.00 Intersect N and S. line at the cor. of sec. 26, 27, 34 and 35; heretofore described
Three Drums
Mark on a true line bet. sec 27 and 34
Over level and 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 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. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor.
- 80.00 The cor. of sec. 27, 28, 33 and 34, heretofore described.
Land level and rolling.
Soil sandy 3rd rate.
No timber.
- Set 02 W bet. sec 27 and 28.
Over level and rolling sandy land through sage and greasewood brush undergrowth and scattering bunch and sacatone 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 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. 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. 21, 22, 27 and 28.
marked on brass cap T 25 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.

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 3rd rate.

No timber.

Each on a random line bet. secs. 22 and 27,

40.00 Set temp. 4 sec. cor.

80.00 Intersect N and S. line at the cor. of secs. 22, 23, 26,
and 27 ^{heretofore described} Thence S run

Wash on a true line bet. secs. 22 and 27.

Descend NW slope over rolling sandy land through
sage and greasewood bush undergrowth and bunch
grass.

10.00 Foot of descent, level rolling land bears N.E. and S.W., Enter
level land bear N.E. and S.W.

10.50 Old road bears N.W. and S.E. leads to Navajo hogans.

15.30 Old road bears N.W. and S.E.

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
22 on N. half and S 27 on S. half.

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

80.00 The cor. of secs. 21, 22, 27 and 28, heretofore described.
Land level and rolling.

Soil sandy 2nd and 3rd rate.

No timber.

N 0° 02' W, bet. secs. 21 and 22.

Over level 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 4 S 21 on W. half and S 22 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.

BOOK 2601

At this cor I set off $13^{\circ}45\frac{1}{2}'$ S. on the decl. arc, and at noon observe the sun on the meridian and obtain on the lat. arc a reading of $35^{\circ}33'$ N. which is a little higher than the true latitude of this place.

- 63.00 Bears level land bears E and W. Enter hilly land bears E and W. are gently on S. slopes.
- 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 on bear cap T 25 N. S 16 in N.W., T 13 E S 15 in N.E. S 22 in S.E. and S 21 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 level and hilly.
Soil sandy 3rd rate.
No timber.

- Each on a random line bet. secs. 15 and 22
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.94 Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23, ^{heretofore described} Thence S run,
- West on a true line bet. secs. 15 and 22.
- Over level sandy land through sage and greasewood bush undergrowth and bunch grass.
- 22.00 Bears level land bears N.E. and S.W., Enter hilly land bears N.E. and S.W. ascend gently over S.E. slope.
- 26.00 Old road to Navajo hogans, bears N. and S.
- 39.97 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on bear cap $\frac{1}{4}$ S 15 on N. half and S 22 on S. half.
- Dig pits 18 x 18 x 12 ins. E and W. of post 3 ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 79.94 The cor. of secs. 15, 16, 21 and 22, heretofore described.
- Land level and hilly.
Soil sandy 3rd rate.
No timber.

February 12th 1910

February 16th ¹⁹¹⁰ _{7 A} At 8:00 ^{a.m. l.m.t.} I set off $35^{\circ}33'$ N. on the lat. arc, $12^{\circ}26\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 15, 16, 21, and 22.

Chains

17

As before described,
Thence Drun.

N^o 02' W. Lch. sec. 15 and 16.

Ascend gradually S.E. slope over rolling sand hills through sage and greasewood brush undergrowth and bunch grass.

- 1.00 Top of sand ridges bear N.E. and S.W. descend. gradually over N.W. slope.
- 32.50 Center of dry sand wash 100 lks. wide course S.W. Ascend gradually over rolling S.E. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 16 on W. half and S 15 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. 9, 10, 15 and 16. marked on brass cap T 25 N. S 9 in N.W. T 13 E S 10 in N.E. S 15 in S.E. and S 16 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. Sand rolling sand hills. Soil sandy 3rd sate. No timber.

Each on a random line bet. sec. 10 and 15

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N and S. line at the cor. of sec. 10, 11, 14 and 15. ^{As before described} Thence Drun
- West on a true line bet. sec. 10 and 15
- Descend N.W. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass.
- 31.00 Lft. bank of dry sand wash. 2 ft. high. bear N.E. and S.W.
- 31.50 Road in bed of dry sand wash. bear N.E. and S.W. leads to Narajo hogans.
- 32.60 Right bank of dry sand wash 2 ft. high. bear N.E. and S.W. ascend S.E. slope.
- 39.98 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 10

BOOK 2601

on N half and S₁₅ on S half.

Dig pits 18x18x12 ins. E. and W. of post 3 ft. dia. and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

65.80 Top of sand ridge bears N.E. and S.W. desc. gradually over N.W. slope.

79.96 The cor. of secs. 9, 10, 15 and 16, heretofore described.

Land hilly.

Soil sandy 3rd rate.

No timber.

N^o 02 W. line secs. 9 and 10.

Ascend S. slope of ridge over hilly sandy land through scattering sage and greasewood bush undergrowth and thick grass.

33.00 Top of sand ridge bears E. and W. desc. gradually over N. slope.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on bears Cap 4 39 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 3½ ft. base, 1½ ft. high W. of cor.

80.00 Set an iron post 3 ft. long 1.2 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10 marked on bears Cap. T₂₅N₆S₄ in N.W. T₁₃E₃ 3 in N.E. S₁₀ in S.E. and S₉ in S.W. quadrant.

Dig pits 18x18x12 ins. in each sec. 5½ 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.

NOTE At this cor. I set off 12° 24' S. on the decl. arc and at noon observed the sun on the meridian and obtain on the lat. arc a reading of 35° 35' N.

East on a random line bet. secs 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line 3 ft. S. of the cor. of secs. 2, 3, 10 and ^{heretofore described} N. Thence I runS₈₉° 59' W. on a true line bet. secs. 3 and 10.

chains

19

Ascend S.E. slope of sand ridge over rolling and hilly land through scattering sage brush undergrowth and bunch grass

11.30 Top of ascent on sand ridge bears N.E. and S.W. descend gradually over N.W. slope.

33.00 Foot of descent, leave hilly land bears N.E. and S.W. Enter level sandy land bears N.E. and S.W.

40.01 See an iron post 3 ft. long 1 in. in diam. 26 ins in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 3 on N. half and S 10 on S. 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. N. of cor.

80.02 The cor. of secs. 3, 4, 9 and 10, heretofore described. Land level rolling and hilly. Soil sandy 3rd rate. No timber

No 02 W. on a random line bet. secs. 3 and 4

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

80.00 Intersect N. line of N. 3 lks. $\text{N. 89}^{\circ} 58' \text{ E.}$ of the cor. of secs. 3, 4, 33 and 34, ^{recently estab. by me and described in Exterior Book "L"} hence S. run.

No 03 E. on a true line bet. secs. 3 and 4

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

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

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

February 16th 1910

BOOK 2601

February 17th 1910 Ah 7^h 30^m Dsch off 35° 30' 1/2" N. on the lat. arc., 12° 05' S. on the decl. arc. and determined a meridian with the solar on the Stand. cor. of sec. recently set. by me, and described in Standard Book "F" 32 and 33. in S. 1/4 of Twp. Thence Drum

N 0° 03' W. bet. sec. 32 and 33.

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 1/4 sec. cor. marked on brass cap. N 5 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. 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. 28, 29, 32 and 33 marked on brass cap T 25 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. gaachant. 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 2nd and 3rd rate.

No timber.

East on a random line bet. sec. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect N and S. line 5 lbs. N. of the cor. of sec. 27, 28, 33 and 34 ^{heretofore described} Thence Drum

N 89° 58' W. on a true line bet. sec. 28 and 33

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

40.03 Set an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap. N 5 28 on N. half and S 33 on S. half.

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

80.06 The cor. of sec. 28, 29, 32 and 33, ^{heretofore} described. Level.

Soil sandy 2nd and 3rd rate.

No timber.

N 0° 03' W, Feb. secs. 28 and 29.

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 29 on W. half and S 28 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.

44.00 Level rolling land bears E and W. Enter level land 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. 20, 21, 28 and 29, marked on brass cap T 25 N S 20 in N.W. T 13 E. S 21 in N.E., S 28 in S.E. and S 29 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 level and rolling

Soil sandy 2nd and 3rd rate.

No timber.

40.00 S 89° 58' E. on a random line Feb. secs. 21 and 28 Set temp $\frac{1}{4}$ sec. cor.

80.04 Intersects N and S. line at the cor. of secs. 21, 22, 27 and 28, ^{hereinbefore described} thence drum

N 89° 58' W. on a true line Feb. secs. 21 and 28.

Over level sandy and adobe land through sage and greasewood brush undergrowth and bunch grass

40.02 Set an iron post 3 ft. long 1 in in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap. $\frac{1}{4}$ S 21 on N. half and S 28 on S. half.

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

80.04 The cor. of secs. 20, 21, 28 and 29, ^{hereinbefore described}

Land level.

Soil sandy 2nd and 3rd rate.

No timber

NOTE At this cor. Ditch off. 12° 03' $\frac{1}{4}$ S. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 32' N.

BOOK 2601

- No° 03' W. bet. secs. 20 and 21.
 Over level sandy and adobe. Land through scattering
 sage 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.
 $\frac{1}{4}$ 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. 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 in. in diam. 24 in.
 in the ground for cor. of secs. 16, 17, 20 and 21
 marked on Brass Cap T 25 N, S 17 in N.W. R13 E.
 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 $\frac{1}{2}$ ft. dia.
 and raise a mound of earth 4 ft. base. 2 ft. high.
 W. of cor.
 Level land.
 Soil sandy and adobe 2nd and 3rd rate.
 No timber.
-
- S 89° 58' E. on a random line bet. secs. 16 and 21
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.00 Intersect N and S. line at the cor. of secs 16, 17, 20
 and 21. ^{hereinbefore described} Thence Run
- N 89° 58' W. on a true line bet. secs. 16 and 21
 Ascend S.E. slope over rolling sand hills. through
 scattering sage brush undergrowth and bunch grass.
 31.50 Top of Ridge bears N.E. and S.W. desc. gently over
 N.W. slope.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in.
 in the ground for $\frac{1}{4}$ sec. Cor. marked on Brass
 Cap $\frac{1}{4}$ S 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. dia.
 and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$
 ft. high. W. of cor.
- 54.00 Foot of descent. Level hilly land bears N. and S.
 Enter level land bears N. and S.
- 80.00 The cor. of secs. 16, 17, 20 and 21, hereinbefore described.
 Land level and rolling sand hills.
 Soil sandy and adobe 2nd and 3rd rate
 No timber

N^o 0 3^u bet. sec. 16 and 17.

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

15.80 Dry ravine 20 lks. wide 1 ft deep course West.

16.00 Leave level land head E and W. Enter rolling land head E and W. Ascend gradually over S. slope.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 4 sec. cor. marked on brass cap 1/4 S 17 on N. half and S 16 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 sec. 8, 9, 16 and 17. marked on brass cap T₂₅N₈ in N.W., R_{13E} S₉ in N.E., S₁₆ in S.E. and S₁₇ 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 level and rolling.

Soil sandy 3rd rate.

No timber

February 17th 1910

Feb. 19th 1910 Ah. 11^h 00^m am. ^{l.m.t.} D set off 35° 34' N, on the lat. arc, 11° 22' S. on the decl. arc and determine a meridian with the solar at the cor. of sec. 8, 9, 16 and 17, ^{above described.} Thence I run S 89° 58' E on a random line bet. sec. 9 and 16.

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect N and S. line 2 lks. N. of the cor. of sec. 9, 10, 15 and 16, ^{here before described.} Thence I run

N 89° 57' W. on a true line bet. sec. 9 and 16.

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

39.99 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 4 sec. cor. marked on brass cap 1/4 S 9 on N. half and S 16 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.

BOOK 2601

79.98 The cor of secs. 8, 9, 16 and 17, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber

NOTE At the $\frac{1}{4}$ sec. cor. bet. secs. 9 ^{above described.} and 16, I set off $11^{\circ} 21\frac{1}{2}'$ S. on the decl. arc and at noon observed the sun on the meridian and obtained on the latitude arc a reading of $35^{\circ} 34' 76$.

$N 0^{\circ} 03' W$. bet. secs 8 and 9.

Ascend gradually over S. slope through scattering sage 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 8 on W. half and 39. 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 1/2 ft. high. W. of cor

46.00 Top of sand ridge bears E and W. desc. gradually over N. slope.

65.00 Foot. of descent. Land rolling and hilly sandy land bears E and W. Enter level land 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 4, 5, 8 and 9, marked on brass cap T 25 N S 5 in N.W. R 13 E. 34 in N.E. 39 in S.E. and 58 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 level. Rolling and hilly.
 Soil sandy 3rd rate.
 No timber.

$S 89^{\circ} 57' E$ on a random line bet. secs 4 and 9,

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

80.00 Intersect N and S. line 5 lks. S. of the cor.

Chains

40.00 of sec. 3, 4, 9 and 10, ^{heretofore described} Thence Drum
 N 89° 59' W. on a true line bet. sec. 4 and 9
 Over level sandy land through scattering
 sage brush undergrowth and bunch grass

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 4 S 4 on N. half
 and S 9 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.
 80.00 The cor. of sec. 4, 5, 8 and 9, heretofore
 described.
 Land level.
 Soil sandy, 2nd and 3rd rate.
 No timber.

40.00 N 0° 03' W. on a random line bet. sec. 4 and
 5.
 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect N. E. cor. of Twp. 10 lks. N 89° 58' E of the cor. of
 recently estab. by map and described in Exterior Book "L"
 sec. 4, 5, 32 and 33. Thence Drum

39.96 S 0° 07' E on a true line bet. sec. 4 and 5
 Descend gently over S. slope over rolling
 sandy land through scattering sage brush,
 undergrowth and bunch grass.

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

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

February 19th 1910

BOOK 2601

February 18th 1910 At 7^h 00^m a.m. ^{l.m.t.} Dash off. 35° 30' 1/2 N. on the $\text{Vch. arc } 11^{\circ} 40' \text{ S. on the decl. arc. and determined a meridian with the solar alt. the Standard Cor. of sec. 31 and 32 on S. half of } \frac{1}{4} \text{ Thence Drum}$

No 03 W. $\text{Vch. Secs. 31 and 32}$

Over rolling sandy land. Slopes to N.E. through scattering sage 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 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 in. in diam. 24 ins. in the ground for cor. of sec. 29, 30, 31 and 32. marked on brass cap T 25 N. S 30 in N.W. T 13 E. S 29 in N.E. S 32 in S.E. and S 31 in S.W. quadrants.

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

Soil sandy 3rd rate.
No timber.

East on a random line $\text{Vch. Secs. 29 and 32.}$

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

80.00 Intersect N. and S. line 3 lvs. S of the cor. of sec. 28, 29, 32 and ^{heretofore described} 33. Thence Drum

S 89° 59' W. on a true line $\text{Vch. Secs. 29 and 32.}$

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 $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 29 on N. half and S 32 on S half.

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

80.00 The cor. of sec. 29, 30, 31 and 32, ^{heretofore described.}

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

Chains

BOOK 2601

40.00 N 89° 59' E. on a random line bet. sec. 20 and 29. Set temp. 1/4 sec. cor.

80.02 Intersect N and S. line at the cor. of sec. 20, 21, 28 and 29, ^{heretofore described} thence run

S 89° 59' W. on a true line bet. sec. 20 and 29. Over level sandy land through scattering sage brush undergrowth and scattered bunch grass.

40.01 Set an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap 1/2 S 20 on N. half and S 29 on S. half. Dig pit to 18 x 18 x 12 ins. E. and W. of post. 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

80.02 The cor. of sec. 19, 20, 29 and 30, heretofore described. Land level. Soil sandy 2nd and 3rd rate. No timber.

NOTE At the cor. of sec. 19, 20, 29 and 30, ^{heretofore described} set off 11° 42 1/2' S. on the decl. arc, and at noon observe the sun on the meridian and obtain on the lab. arc, a reading of 35° 32 1/2' N. which is a little higher than the true latitude of this place.

40.00 N 89° 59' W. on a random line bet. sec. 19 and 30. Set temp. 1/4 sec. cor. (3rd Guide Meridian East)

79.90 Intersect W. l. of Twp. 3. l. S. of the cor. of sec. 19, 24, 25 and 30, ^{recently estab. by me and described in Standard Book "D"} thence run

S 89° 58' E. on a true line bet. sec. 19 and 30. Over rolling sandy land slopes to N.E. through scattering sage brush undergrowth and bunch grass.

21.00 Foot of descent. leave rolling land from NW. and S.E. enter level sandy land.

39.90 Set an iron post 3 ft. long, 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked 1/2 S 19 on N. half and S 30 on 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 1/2 ft. base, 1 1/2 ft. high N. of cor.

79.90 The cor. of sec. 19, 20, 29. and 30, heretofore described. Land level and rolling. Soil sandy 2nd and 3rd rate. No timber.

N 0° 03' W, lch. sec. 19 and 20.

Over level sandy land through scattering sagebrush 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 19 on W. half and S 20 on E. half.

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

70.96 Dry ramrod 15 lbs. wide 1 ft. deep course S.W.

80.00 Set an iron post 3 ft. long 2 in. in diam 24 ins. in the ground for cor. of sec. 17, 18, 19, and 20, marked on brass cap T 25 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. quadrants.

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

Land level.

Soil sandy 2nd and 3rd rate.

No timber.

N 89° 59' E on a random line lch. sec. 17 and 20
40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N and S. line 3 lks. S. of the cor. of sec. 16, 17, 20 ^{heretofore described} and 21. Thence draw.

S 89° 58' W. on a true line lch. sec. 17 and 20.

Over level sandy land through scattering sagebrush 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 17 on N. half and S 20 on S. half.

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

80.06 The cor. of sec. 17, 18, 19 and 20, ^{heretofore} described.

Land level.

Soil sandy 2nd and 3rd rate.

No timber.

BOOK 2601

- Feb. 19¹⁹¹⁰ th Ah. 7^h 00^m a.m. ^{l.m.t.} D. set off. 35° 38' N. on
the lake 11° 22' S. on the decl. arc and determine
a meridian with the solar at the cor. of secs.
17, 18, 19, and 20. ^{heretofore described} Thence I run
N 89° 58' W. on a random line bet. secs. 18 and 19
40.00 Set temp $\frac{1}{4}$ sec. cor. (3rd Guide Meridian East)
79.84 Ditch 1/2 W. side of Twp. at the cor. of secs. 13
^{recently put in by me (and) described in Standard Book "D"}
18, 19, and 20. Thence I run
S 89° 58' E. on a true line bet. secs. 18 and 19.
Over level sandy land through scattering sage
brush undergrowth and bunch grass.
33.80 Road from Leupp Indian Agency to Oraibi
Arizona bears N.E. and S.W.
39.84 Set an iron post 3 ft. long, 1 in. in diam. 26 in.
in the ground for $\frac{1}{4}$ sec. cor. marked on brass
cap $\frac{1}{4}$ S 18 on N. half and S 19, on S half.
Dig pits 18 x 18 x 12 in. E. and W. of post. 3 ft. dia.
and raise a mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high
N. of cor.
79.84 The cor. of secs. 17, 18, 19 and 20, heretofore described.
Land level.
Soil sandy 2nd and 3rd rate.
No timber

- N 0° 03' W. bet. secs. 17 and 18.
Over level sandy land through scattering 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 $\frac{1}{4}$ S
18 on W. half and S 17 on E half.
Dig pits 18 x 18 x 12 in. N and S. of post. 3 ft. dia.
and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft.
high N. of cor.
80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in
the ground for cor. of secs. 7, 8, 17 and 18, marked
on brass cap. T 25 N 37 in N.W. R 13 E 38 in N.E. S
17 in S.E. and S 18 in S.W. quadrant.
Dig pits 18 x 18 x 12 in. in each sec. 5 $\frac{1}{2}$ ft. dia.
and raise a mound of earth 4 ft. base, 2 ft.
high W. of cor.

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

40.00 N 89° 58' E. on a random line bet. sec. 8 and 17
Set temp. $\frac{1}{4}$ sec. cor.
80.06 Intersect N and S line 2 lks S. of cor. of sec. 8, 9, 16 and 17
Thence S run

S 89° 57' W. on a true line bet. sec. 8 and 17.
Over rolling S. slope, through scattering sage brush,
undergrowth and bunch grass.

40.03 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 n. half and S 17 on S. half.
Dig pits 18x18x12 ins. E and 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.

80.06 The cor. of sec. 7, 8, 17 and 18, heretofore described.
Land rolling.
Soil sandy 3rd rate.
No timber.

40.00 N 89° 58' W. on a random line bet. sec. 7 and 18.
Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect W. Poly. of N 13 E on the cor. of sec. 7, 12.
(3rd Guide Meridian East)
recently established by mapping described in Standard Book "D"
13 and 18, Thence S run.

S 89° 58' E on a true line bet. sec. 7 and 18.
Over rolling sandy land slopes to S.E. through
scattering sage brush and bunch grass.

39.74 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 7 on n. half and S 18 on
S half.

Dig pits 18x18x12 ins E and W. of post 3 ft.
dih. and raise a mound of earth $3\frac{1}{2}$ ft.

BOOK 2601

- base, $1\frac{1}{2}$ ft. high. W. of cor.
 60.40 Road leads to Indian Hogan near mound S.
 65.00 Leave rolling land near N.E. and S.W., enter level land.
 69.85 Road near N.E. and S.W., leads from Leupp Indian Agency to Oraibi Arizona
 79.74 The cor. of sec. 7, 8, 17 and 18, heretofore described. Level land and rolling. Soil sandy and adobe 2nd and 3rd rate. No timber.

NOTE At the $\frac{1}{4}$ sec. cor. bet. sec. 7 and 18, ^{above described} set off $11^{\circ} 21\frac{1}{2}'$ S on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of $35^{\circ} 34' 76$.
 February 19th 1910

- Feb. 20th 1910 At 8^h 30^m a.m. set off $35^{\circ} 34' 76$ on the lat. arc. $11^{\circ} 03'$ S on the decl. arc and determine a meridian with the solar at the cor. of sec. 7, 8, 17 and 18, ^{heretofore described} then run W 00 S W. bet. sec. 7 and 8.
 Over level sandy land through scattering sage brush undergrowth and bunch grass.
 2.00 Leave level land near N.E. and S.W. Enter rolling sandy land near N.E. and S.W. ascend gently over S.E. slope.
 16.30 Road from Leupp Indian Agency to Oraibi Arizona near N.E. and S.W.
 40.00 See an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on base cap $\frac{1}{4}$ S 7 on W. half and S 8 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.
 57.00 Top of sand ridge near N.E. and S.W. descend gently
 75.00 North of descent in depression near N.E. and S.W. ascend S.E. slope.
 80.00 See 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 on brass cap T 25 N 36
in NW. R 13 E S 5 in NE. S 8 in SE. and
S 7 in SW. quadrant.

Dug pits 18 x 18 x 12 ins. in each. rec. 5 1/2
ft. dia. 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.
No timber.

N 89° 58' E on a random line bet. sec. 5 and 8
40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N and S. line at the cor. of sec.
4, 5, 8 and 9, hereinbefore described,
Thence Drun.

S 89° 58' W. on a true line bet. sec. 5 and 8.

Over nearly level sandy land through scatter-
ing sage 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 5 on N. half. and S 8 on
S. half.

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

46.40 Road from NE. and SW. leads from Lepp
Indian agency to Oraibi, Arizona.

80.00 The cor. of sec. 5, 6, 7 and 8, hereinbefore described.
Land rolling.
Soil sandy 2nd and 3rd rate.
No timber

N 89° 58' W. on a random line bet. sec. 6 and 7
40.00 Set temp. 1/4 sec. cor.

79.70 Intersect W. bely. of Twp. at the cor. of sec. 6
(3rd Guide Meridian East)
recently estab. by me and described in Standard Book "D"
7 and 12. Thence Drun

S 89° 58' E on a true line bet. sec. 6 and 7

Over rolling sandy land. slopes to SE. through

BOOK 2601

- Sage and greasewood brush undergrowth and bunch grass
- 39.76 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. Cop $\frac{1}{4}$ S. 6 on N. half and S 7 on S. half
Dig pits 18x18x12 in. E. and W. of post 3 ft.
Dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. W. of cor.
- 44.35 Intersect Right bank of the De Nebito Wash 8 ft. high. water slightly alkali; bears N.E. and S.W.
- 46.25 Left bank of the De Nebito Wash 8 ft. high. bears N.E. and S.W., ascend gently over N.W. slope
- 62.50 Top of sand ridge bears N.E. and S.W.
- 79.70 The cor. of secs. 5, 6, 7 and 8, heretofore described.
Land rolling and hilly.
Soil sandy 2nd and 3rd rate.
No timber.

- 40.00 No 03' W. on a random line bet. sec. 5 and 6.
Sch. temp $\frac{1}{4}$ sec. cor.
- 80.06 Intersect N. line of Twp. 10 N. R. 89.53 E. of the cor. of sec. 5, 6, 7 and 8, ^{recently set by me and described in Exterior Book "L"} thence run
So 07' E on a true line bet. sec. 5 and 6.
Descend gradually S.E. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass
- 17.80 Intersect Right bank of the De Nebito Wash. 10 ft. high. water alkali; bears N.E. and S.W.
- 19.35 Left bank of the De Nebito Wash. 10 ft. high. bears N.E. and S.W. ascend gradually over N.W. slope.
- 40.06 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. Cop $\frac{1}{4}$ S 6 on W. half and S 5 on E. half.
Dig pits 18x18x12 in. N. and S. of post 3 ft. dist. and raise a mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft. high. W. of cor.
- 42.50 Top of sand ridge bears N.E. and S.W. desc. gently over S.E. slope.
- 80.06 The cor. of secs. 5, 6, 7 and 8, heretofore described.
Land rolling and hilly.

Soil sandy 3rd rate
No timber

NOTE

At this cor & set off. $11^{\circ} 05'$ S. on the decl. arc and at noon observe the sun on the meridian and obtain on the lab. arc a reading of $35^{\circ} 36' 78''$.

February 20th 1910

General Description.

This township contains three varieties of land level, rolling and hilly, the soil ranging from alkali to a sand loam. With the exception of the mesa portion of the township and the alkali flats in sec. 17 and 20, nearly all of the soil can be classed as 3rd rate, is covered with a fair growth of bunch grass. There is no timber found in the Twp. and the only water occurs in reservoirs constructed by the Navajo Indians to store the rainfall and in the De Nebito Wash, which crosses the N.W. Cor. of the Twp. and flows a part of the time during the cooler portion of the year.

There is one Indian settlement in sec. 12, of a permanent character, besides several sheep camps which move with the season of the year.

Sydney E. Blouh
U.S. Examiner of Surveys.

February 20th 1910.

LIST OF NAMES.

A list of the names of the individuals employed by Sidney E. Blouh

Examiner of Surveys

United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of the subdivision

lines of Twp. No. 25 N., R. No. 13 E., of the Gila and Salt River Base and Meridian in the Territory of Arizona

showing the respective capacities in which they acted:

- Fred L. Warner Van L. White, Compassman , Chairman.
- Earl Albright , Chairman.
- T. J. White Chairman Moundman.
- Ralph Sampson , Moundman.
- Chas L. Shumway Moundman Compassman.
- William P. Carson , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blouh

Examiner of Surveys

United States Deputy Surveyor, in surveying all

those parts or portions of the Subdivisional lines of Twp. No. 25 N., Range No. 13 East

of the Gila and

Salt River Base and Meridian, Territory of Arizona, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Commissioner

General Land Office Van L. White Compassman

- Earl Albright and Fred L. Warner , Chairman.
- T. J. White , Chairman.
- Ralph E. Sampson , Moundman.

Chas L. Shumway Moundman Compassman.

William P. Carson , Flagman.

Subscribed and sworn to before me this 21st day of February 1900

Sidney E. Blouh
U.S. Examiner of Surveys



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BOOK 2601

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

I Sidney E. Blout, United States ~~Deputy Surveyor~~ ^{Examiner of Surveys}, do solemnly swear that, in pursuance of ~~Special Instructions~~ ^{Special Instructions} received from ~~the Commissioner of the United States Surveyor General for~~ ^{the Commissioner of the} ~~General Land Office~~ ^{General Land Office}, bearing date of the ~~2nd 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 for~~ ^{Commissioner} of the ~~General Land Office~~ ^{General Land Office}, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Subdivisional lines of Twp. No. 25 N., 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~~ ^{Commissioner} of the ~~General Land Office~~ ^{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.

Sidney E. Blout
United States ~~Deputy Surveyor~~
^{Examiner of Surveys}

Subscribed by said Sidney E. Blout, and sworn to before me }
this 14th day of March, 1908

Frank Ingalls
SURVEYOR-GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 25, 1908

The foregoing field notes of the survey of the Subdivision lines of
Township 25 North, Range 13 East, of the
Gila and Salt River Base and Meridian, Arizona

executed by Sidney E. Blout, U.S. Examiner of Surveys
under ~~his contract~~ ^{Special Instructions from the Commissioner of the General Land Office}, dated Oct. 2, 1907 and May 15, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank Ingalls
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~~