

Subdivisional
BOOK "ZB"

BOOK 2606

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Twp. 28 N. Range No. 15 East.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

Sidney E. Blouh

United States Deputy Surveyor

Examiner of Surveys

Special Instructions From the Commissioner of the General Land Office

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

Survey commenced December 4th, 1907

Survey completed December 18th, 1907

BOOK 2606

NAMES AND DUTIES OF ASSISTANTS.

Paul L. White

Compassman

Fred L. Warner

Chairman

Earl Albright

Chairman

Chas L. Shumway

Coxman

William R. Carson

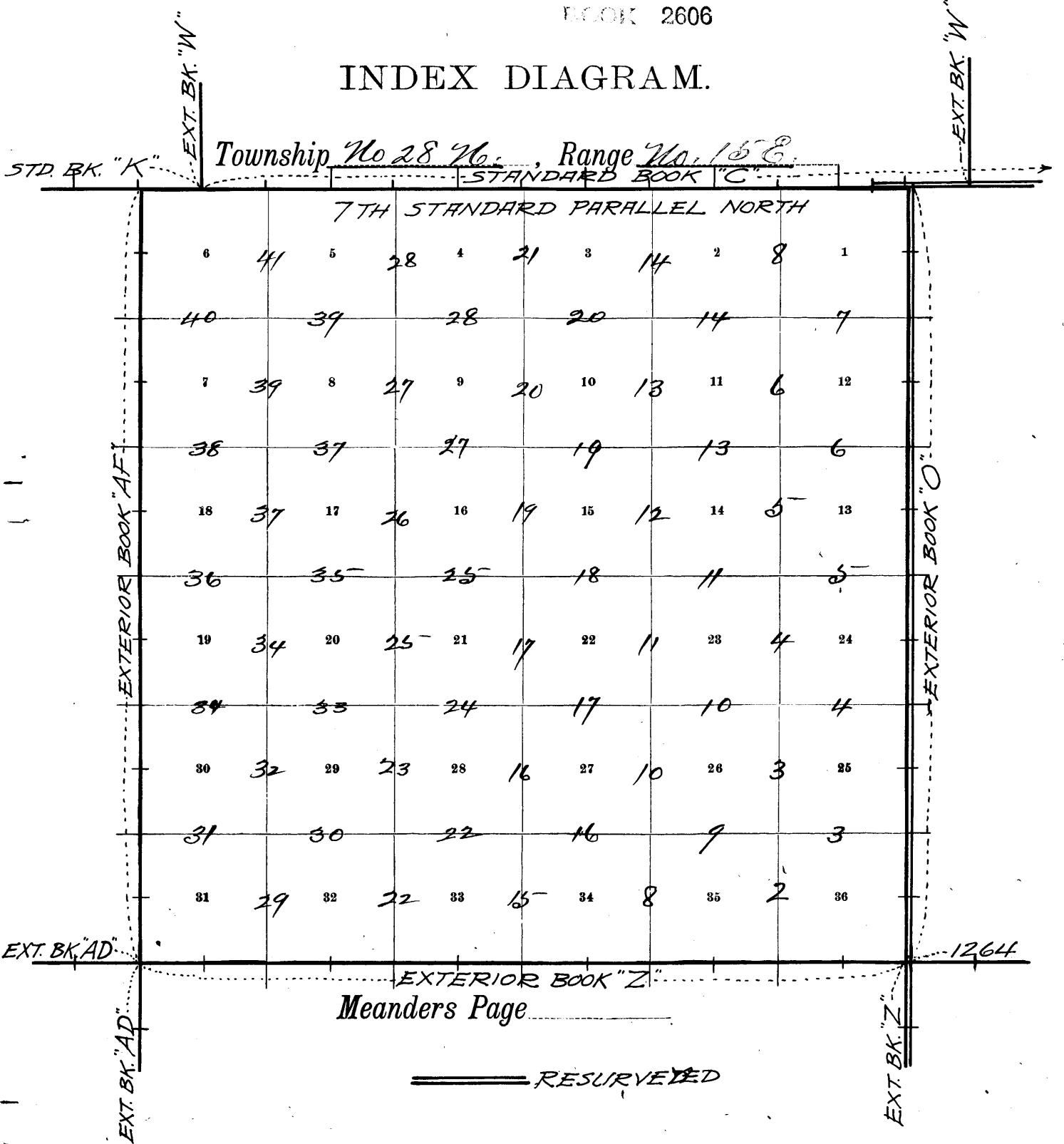
Moundman

Ralph Sampson

Flagman

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INDEX DIAGRAM.



PRELIMINARY OATHS OF ASSISTANTS.

See Subdivisional Book "Y"

WE, _____ and _____

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 _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____

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 _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, 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 _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Chassis

Survey commenced December 4th 1909 and executed with a W & S. E. Surley engineers transit no. 76. with a Burk Solar attachment. The horizontal limb is provided with one double vernier reading to single minutes of arc., the verniers of the latitude and declination arcs reading to 0' 30" of arc.

Examine the adjustments of the transit and correct the level and collimation errors; then to test 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. Proceed as follows; Ob. my Camp. which is located near the cor. of sec. 15, 16, 21 and 22. T 2876 P 15 E, Lat. $35^{\circ}49'16''$ Longitude $110^{\circ}44'30''$ W. and ab. 6^h 42^m p.m. l.m.c. observe Polaris in accordance with instructions in the Manual and mark the direction thus determined by a tack driven in a stake set in the ground 5 Chs. N. of my instrument.

Time of observation Dec 4th 1909. 6^h 42^m
 Equivalent to time of Dec 3rd 30 42

Astron. time U.C. Polaris Dec 1st (Table V Part I). 8 47^{h m}
 Reduction to Dec 3rd (Part II) Subtract 29
 Astron. time U.C. Polaris Dec. 3 8 39.1 Subtract 8 39.1
 Hour Angle of Polaris at observation 22 02.9
 Subtract from 23 56.1
 Time Argument for Table VII 1 53.2
 Azimuth of Polaris at observation $0^{\circ}40\frac{3}{4}E$
 December 4th 1909

1909
 December 5th Ab 8^h 15^m a.m. ^{h. m. t.} lay off the azimuth of Polaris $0^{\circ}40\frac{3}{4}'$ to the west and mark the meridian thus determined, by a nail driven in a stake set in the ground 5 Chs. N. of my instrument
 Ab. 9^h 00^m a.m. ^{h. m. t.} set off $35^{\circ}49'$ N. on the lat. arc. $22^{\circ}19\frac{1}{2}'$ S. on the decl. arc. and determine a meridian with the solar and mark a point thereof by a tack driven in the stake already set 5 Chs. N. of my instrument on which the meridian determined by the solar falls 0.2 ins east of the meridian

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established by the Polaris observation.

At 11^h 50^m 33^{sec.} a.m. l.m.t. I set off. 22° 21' S. on the decl. arc. and observed the sun on the meridian and obtain on the lat. arc a reading of 35° 49' N. nearly.

At 3^h 00^m 6^{sec.} l.m.t. I set off. 35° 49' N. on the lat. arc. 22° 21' S. on the decl. arc and determined a meridian with the solar and mark a point thereof by a tack driven in the stake already set. 5th N. of my instrument. This point falls 0.1 ins west of the meridian established by the Polaris observation. The solar apparatus by a.m. and p.m. observations defines positions for meridians respectively about 6' 10" east and 0' 05" west of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory
December 5th 1909

I begin at the Cor. of sec. 1, 2, 35 and 36. on S. line of Twp. which I established November 20th 1909, and described in Exterior Book "2" Latitude 35° 46' N. Longitude 110° 42' W.

December 6th 1909. At 8^h 15^m a.m. l.m.t. I set off. 35° 46' N. on the lat. arc 22° 25' S. on the decl. arc and determine a meridian with the solar at this cor., hence I run N 0° 01' W th. sec. 35 and 36.

Ascend S. 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 '4 S 35 on W. half and S 36 on E. half.

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

42.75 Top of sand ridge bears E. and W. desc 71. slope

76.00 Foot of descent in depression bears N.W. and S.E. drains to S.E. asc. gradually.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of sec. 25, 26, 35 and 36 marked on brass cap. T 28 N S 26 in N.W. N 15 E. S 25 in N.E. S 36 in S.E. and S 35 in S.W. quadrants. Dig pits 18x18x12 ins. in each. sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Chains

3

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

S89°58'E on a random line bet. sec. 25 and 36.
40.00 Set temp. & sec. cor.

79.94 Intersect E ldy. of N. 3 lks. S. of the cor. of sec.
re-estab. by me, Dec. 5, 1908 and described in Exhibit Book "O"
25, 30, 31 and 36. ¹ Thence S run

N89°59'W. on a true line bet. sec. 25 and 36.
Ascend gradually S.E. slope of sand ridge over
rolling land through sage and greasewood brush
and bunch grass.

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

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

79.94 The cor. of sec. 25, 26, 35 and 36, herein before described.

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

N0°01'W bet. sec. 25 and 26.

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

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

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

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 28 N S 23 in N.W.
N 15 E S 24 in N.E. S 25 in S.E. and S 26 in S.W.
quadrant.

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Dig pits 18x18x12 ins. in each. sec. 5¹/₂ 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.

89°59' E on a random line bet. sees 24 and 25
40.00 Sth temp. ¹/₄ sec. cor.

80.02 Intersect E. ldy. of N. 3 lks. N. of the cor. of
re-estab. by me Dec 13, 1878 and described in Exterior Book "O"
secs. 19, 24, 25 and 30. Thence True

N 89°58' W on a true line bet. sees. 24 and 25.
On level sandy and adobe land through
sage and greasewood bush undergrowth and bunch
grass

18.00 Level land bears N.W. and S.E. Enter hilly
land bears N.W. and S.E., ascend gradually N.E.
Slope

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. 4 S 24 on N. half and S 25 on S half.

Dig pits 18x18x12 ins. East W. of post. 3 ft. dist.
and raise a mound of earth 5¹/₂ ft. base ¹/₂
ft. high. N. of Cor.

On this cor. I reb. off. 22°28¹/₂' S. on the decl. arc, and
at noon observe the sun on the meridian
and obtain on the lat. arc a reading of 35°48' 21".

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

80.02 The Cor. of sees. 23, 24, 25 and 26, heretofore described.
Land level and hilly.
Soil sandy 3rd rate.
No timber.

N 0°01' W. bet. sees 23 and 24

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

21.00 Top of descent bears rolling land bears N.W.
and S.E., enter level land bears N.W. and S.E.

37.15 Dry sand wash 20 lks. wide. 3 ft. deep toward S.E.

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

Subdivision of Twp 28 N. R. 15 E.

Kansas

5

- the ground for $\frac{1}{4}$ sec. cor. marked on brass cap
 $\frac{1}{4}$ S 23 on W. half and S 24 on E. half.
 Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dia.
 and raise a mound of earth 3 ft. base $1\frac{1}{2}$ ft.
 high W. of cor.
- 80.00 Beh 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 28 N. S. 14 in NW. R 15
 E. S 13 in N.E. S 24 in S.E. and S 23 in S.W. quadrant.
 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 rolling.
 Soil sandy 2nd and 3rd rate.
 No timber.

- 40.00 S 89° 58' E on a random line bet. sec. 13 and 24
 Beh temp $\frac{1}{4}$ sec. cor.
- 80.02 Intersect E. bdy. of Twp. 28 N. 26. of the cor. of
 re-estab. by me Dec. 5, 1908 and described in Eastern Book "O"
 sec. 13, 18, 19 and 24. Thence S run
 N 89° 57' W. on a true line bet. sec. 13 and 24
 Over level and rolling sandy land through sage and grass-
 wood brush undergrowth and bunch grass
- 40.01 Beh an iron post 3 ft. long 1 in. in diam. 26
 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on
 brass cap $\frac{1}{4}$ S 13 on N. half and S 24 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 $\frac{1}{2}$ ft. base $1\frac{1}{2}$
 ft. high W. of cor.
- 80.02 The cor. of sec. 13, 14, 23 and 24, hereinbefore described.
 Land level
 Soil sandy, 2nd and 3rd rate.
 No timber.

December 6th 1909

1909
 December 11th, at 8^h 30^m a.m. l.m.t. Dep off. 35° 49' N.
 on the lat. arc, 22° 57' S. on the decl. arc and
 determine a meridian with the solar at the
 cor. of sec. 13, 14, 23 and 24, hereinbefore described
 Thence S run
 N 0° 01' W. bet. sec. 13 and 14.
 Over level sandy land through sage and

6. Behavis

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- greasewood bush undergrowth and bunch grass.
 40.00 Set an iron post 3ft long, 1 in. in diam, 20 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{2}$ S 14 on W. half and S 13 on E. half.
 Dig pits 18x18x12 ins. N and S. of post. 3ft. 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. 3ft. long 2 in. in diam. 24 ins. in the ground for cor. of secs. 11, 12, 13 and 14 marked on brass cap T2871 S11 in N.W. R15E. S12 in N.E. S13 in S.E. and S14 in S.W. quadrants.
 Dig pits 18x18x12 ins in each. sec. $5\frac{1}{2}$ ft. dia. and raise a mound of earth 4ft. base, 2ft. high W. of cor.
 Sand level.
 Soil sandy 3rd rate.
 No timber.

- S89°57' E on a random line bet. secs. 12 and 13
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.04 Intersect E. fdry. of Twp. 31 N. S. of the cor. of secs. re-estab. by me Sept 5, 1908 and described in Exterior Book "D" 7, 12, 13 and 18. Mound Drive
- S89°58' W. on a true line bet. secs. 12 and 13.
 Over rolling sandy land through sage and greasewood bush undergrowth and bunch grass
- 40.02 Set an iron post. 3ft. long 1 in. in diam 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{2}$ S 12 on N half and S 13 on S. half.
 Dig pits 18x18x12 ins. E and W. of post. 3ft. dia. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high W. of cor.
- 44.75 Dry sand wash 25 lbs. wide 2ft. deep course S. are. gently
- 80.04 The cor. of secs. 11, 12, 13 and 14, heretofore described.
 Sand rolling.
 Soil sandy 3rd rate.
 No timber.

N0°01' W bet. secs. 11 and 12.

Over rolling sandy land slopes to S. through

Behave

7

sage and greasewood bush undergrowth and bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 11 on W half and S 12 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.

53.00 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 secs. 1, 2, 11 and 12 marked on brass cap T 28 N 82 in N.W. R 15 E. S 1 in N.E. S 12 in S.E. and S 11 in S.W. quadrants. Dig pits 18x18x12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land rolling.

Soil sandy 3rd rate.

No timber.

NOTE On this cor I set off 22° 59' S. on the decl. arc and at noon observed the sun on the meridian the resulting latitude being 35° 50 $\frac{1}{2}$ ' N.

40.00 S 89° 58' E on a random line bet. secs. 1 and 12 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect E. ldy. of Twp at the cor. of secs. 1, 6, 7 and 12. re-established by me Dec. 5, 1908 and described in Ex. top. Book "O" Thence S run

N 89° 58' W. on a true line bet. secs. 1 and 12

Over level sandy land through sage and 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 $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 1 on N. half and S 12 on S. half. Dig pits 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.

45.25 Left bank of dry sand wash. 12 ft. high. bears N.E. and S.W.

48.60 Right bank of dry sand wash. 12 ft. high. bears N.E. and S.W. Level land bears N.E. and S.W.

Enter rolling land bears N.E. and S.W. are gently over S.E. slope.

80.02 The cor. of secs. 1, 2, 11 and 12, heretofore described
Land level and rolling.
Soil sandy 3rd rate.
No timber.

N^o 01' W. Feb. sec 1 and 2.

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

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

49.75 Road from Gweta City Arizona to Casbi Arizona
Tears East W.

77.82 Intersects the 7th Standard Parallel North. 131
lvs. E of the standard $\frac{1}{4}$ sec. cor. on the S. bdy of sec 35.
estab. by me April, 24, 1909 and described in Standard Book "C"
T₂₉N. R₁₅E. Set an iron post 3 ft. long, 2 ins. in diam. 24 ins. in the ground for closing cor. of
secs. 1 and 2, marked on brass cap. C.C. T₂₉N.
R₁₅E. S₃₅. S₃₆ in North half. S₁ in S.E. and
S₂ in S.W. quadrant.

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

Land rolling.

Soil sandy 3rd rate.

No timber.

December 11th 1909

December 7th 1909
At 8^h 00^m a.m. l.m.t. I set off 35°-46 $\frac{1}{4}$ ' N.
on the lat. arc. 22° 32' S. and the decl. arc and
determine a meridian with the solar at the
cor. of secs 2, 3, 34 and 35 on S. bdy. of $\frac{1}{4}$, recently
estab. by me and described in Exterior Book #2
thence I run

N^o 01' W. Feb. sec 34 and 35

Acrid S.W. slope over rolling sandy land through
sage and greasewood brush undergrowth and

tunch grass
 0.50 Top of ridge from N.W. and S.E. desc. N.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.
 '4 S 34 on W. half and S 35 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 secs. 26, 27, 34 and 35 -
 marked on brass cap T 2876. S 27 in N.W. R 15 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. 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 rounded line bet. sec. 26 and 35
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.02 Intersect N and S. line S. lkw. N. of the cor. of
 sec. 25, 26, 35 and 36. ^{heretofore described} Thence Run
 N 89° 55' W. on a true line bet. sec. 26 and 35 -
 Descend gradually W. slope over rolling sandy land
 through sage and greasewood brush undergrowth
 and tunch grass.
 5.00 Poth of descent in depression from N.W. and S.E. drains to
 the S.E. sec.
 40.01 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the
 ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S.
 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 $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
 high W. of cor.
 77.00 Top of ascent enter nearly level land from N.E. and
 S.W.
 80.02 The cor. of sec. 26, 27, 34 and 35, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

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N⁰01' W. bet. secs 26 and 27.

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

29.60 Top of low sand 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 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. W. of cor.

49.00 Plot of descent. bears NW and SE and desc. gently over rolling 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 22, 23, 26 and 27.

marked on brass cap T 28 N S 22 in N.W. R 15 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. $5\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land level and rolling.

Soil sandy 3rd rate.~~Station~~

NOTE

At this cor. D₁ set off $22^{\circ}35\frac{1}{2}'$ S. on the decl. arc and when observed the sun on the meridian, the resulting altitude being $33^{\circ}48' 76$.

S 89° 55' E on a random line bet. secs. 23 and 26.

40.00 Set temp. $\frac{1}{4}$ sec. cor.79.98 Intersect N and S. line 3 ft. N. of the cor. of sec. 23, 24, 25 and ^{heretofore described} (26). Thence D_{run}

N 89° 54' W. on a true line bet. secs. 23 and 26.

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

22.00 Top of descent in circular depression are gently

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 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 $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.

high. W. of cor.
 79.98 The cor. of secs. 22, 23, 26 and 27, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

W⁰⁰1' W. line secs. 22 and 23.

Ascend gradually S 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 bears Cop 4 S 22 on W half and S 23. 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. 14, 15, 22 and 23. marked on bears Cop 728 N. S 15 in NW. R 15 E. S 14 in N.E. S 23 in S.E. and S 22 in SW. quadrants.
 Dig pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

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

S 89° 54' 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 at the cor. of secs. 13, 14, 23 and 24, ^{heretofore described} Thence N. on

W 89° 54' W. on a true line bet. secs. 14 and 23.

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

35.00 Dry sand wash 25 lbs. wide 3 ft. deep course S.E. level level land bears NW. and S.E., enter rolling land bears NW. and S.E. ascend gradually over N.E. slope

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 bears Cop

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$\frac{1}{4}$ S 14 on N. half and S 2 E on S. half
Dig pits 18 x 18 x 12 ins. East W. of post. 3 ft. dia and
raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high
W. of cor.

- 61.75 Pop of ridge bears NW. and S.E. descend over S.W. slope
79.94 The cor. of sec. 14, 15, 22, and 23, heretofore described.
Land level and rolling.
Soil sandy 3rd rate.
No timber.

December 7th 1909

1909
Dec 13th ^{l.m.t.} At 8^h 00^m a.m. I set off. $35^{\circ}49'26''$ on
the lab. arc $23^{\circ}04'2''$ S. on the decl arc and determine
a meridian with the solar on the cor. of sec. 14, 15
22 and 23 ^{heretofore described} _{These I run}

$89^{\circ}01'$ W. bet. sec 14 and 15

- Ascend S.W. slope over rolling sandy land through sage
and greasewood brush undergrowth and bunch grass
22.00 Pop of sand ridge bears NW. and S.E. descend gradually
over N.E. slope.
40.00 The point for the $\frac{1}{4}$ sec. cor. falls in the bottom
of a dry sand wash. 30 lbs. wide 10 ft. deep course
S.E. where natural causes would insure the destruction
of a cor., therefore continue my line asc S.W. slope
40.75 Set an iron post 3 ft. long 1 in. in diam. 26 ins in
the ground for witness cor. to the $\frac{1}{4}$ sec. cor marked
on brass cap. T 28 N. R 15 E S 15 on W. half. S 14 on
E. half and W. C. $\frac{1}{4}$ in 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 W. of
cor

41.00 Leave rolling land bear NW. and S.E. enter level land
bear NW. and S.E.

- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins.
in the ground for cor. of sec. 10, 11, 14 and 15 -
marked on brass cap. T 28 N. S 10 in NW. R 15 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 rolling.
Soil sandy 3rd rate.

Chance

No timber

- 40.00 Set $89^{\circ}54'E$ on a random line bet. sec. 11 and 14
 Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersects N and S. line at the cor. of sec. 11, 12,
 13 and 14 ^{heretofore described} Thence *Drum*
- SV $89^{\circ}54'W$, on a true line bet. sec. 11 and 14
 Ascend S.E. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.
- 30.00 Top of ascent. Leave rolling land bears N.E. and S.W.
 Enter level land bears 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
 $N43^{\circ}11'W$ on W. half and $S14$ 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.
- 78.50 Dry sand wash 30 lbs. wide 8 ft. deep course S.E.
- 79.96 The cor. of sec. 10, 11, 14 and 15, heretofore described.
 Land level and rolling.
 Soil sandy 3rd rate.
 No timber.

$N0^{\circ}01'W$, bet. sec. 10 and 11

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

- 2.60 Dry sand wash. 30 lbs wide 10 ft. deep course S.E.
- 40.00 Leave level land bears NW. and SE., enter rolling
 land bears NW. and S.E. are gradually S.W. slope
- 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
 $N43^{\circ}10'W$ on W. half and $S11$ 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.

NOTE

Set this cor & set off $23^{\circ}08'S$ on the decl. arc
 and at noon observe the sun on the meridian
 and obtain on the hor. arc a reading of $35^{\circ}50'16''$.

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

14

Behavie

BOOK 2606

the ground for cor. of secs. 2, 3, 10 and 11 marked
out brass cap T 2876 S 3 in N.W. T 15 E S 2 in N.E.
S 11 in S.E. and S 10 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 level and rolling.

Soil sandy 3rd rate.

No timber.

89°54' E. on a random line bet. secs. 2 and 11
40.00 See temp. 7 sec. cor.

80.06 Intersect N. and S. line at the cor. of secs. 1, 2, 11
and 12, ^{hereinbefore described} thence 1/4 mile

N 89°54' W. on a true line bet. secs. 2 and 11

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

31.50 Top of sand ridge bet. N.E. and S.W. desc. N.W.
slope.

40.03 See 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. 2 on N. half and S 11 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 W. of cor.

73.40 Dry ravine course S. asc.

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

Land rolling.

Soil sandy 3rd rate.

No timber.

N 0°01' W. bet. secs. 2 and 3.

ascend S. slope over hilly sandy and adobe
land, through sage and greasewood brush
and bunch grass.

20.00 Top of sand ridge bet. N.E. and S.W. desc.

29.40 Dry ravine 26 lbs. wide course S.E.

30.50 The sand ravine course S.W. asc. rapidly S.W. slope.

40.00 See an iron post 3 ft. long 1 in. in diam. 26 ins.

Subdivision of Twp 28 N; R 15 E.

Chain

in the ground for 1/4 sec. cor. marked on brass cap. 1/4 S 3. on W half and S 2. 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.

52.00 Enter scattering cedar timber bears E. and W.
55.00 Top of ridge bears E and W. desc.
56.40 Road from Nuba City Arizona to Oraibi Arizona bears E and W.

67.90 Dry ravine 26 lbs. wide course S.E.

70.90 The sand ravine course S.W. asc.

75.50 Top of ridge bears E and W. desc.

77.70 Intersect the 7th Standard Parallel north 128 lbs. E. of the Standard 1/4 sec. cor. on the S. bdy of sec. established by me April 24, 1909 and described in Standard Book "C" 34. T 29 N. R 15 E. 1. Set an iron post 3 ft. long 2 ins. in diam 24 ins in the ground for closing cor of sec. 2 and 3. marked on brass cap C.C. T 29 N. R 15 E. S 34, S 35 in N. half, S 2 in S.E. and S 3 in S.W. quadrants, from which.

A cedar 12 ins. in diam. bears S 19° E. 398 lbs. dish. marked C.C. T 28 N R 15 E. S 2. B.T.

A cedar 6 ins. in diam. bears S 58 3/4° W 102 lbs. dish. marked C.C. T 28 N. R 15 E S 3 B.T.

Land hilly.

Soil sandy and adobe. 3rd rate.

Pinch Cedar

December 13th 1909

1909
December 8th Ab. 8^h 30^m a.m. ^{com. t.} set off 35° 46 1/4' N. on the lat. arc. 22° 40' S. on the decl. arc. and determine a meridian with the solar ab. the cor. of sec. 3. 4. recently estab. by me and described in Exterior Book "Z" 33 and 34 on S. bdy of Twp. 1. Hence there N 0° 02' W bet. sec 33 and 34.

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

31.00 Top of ascent. Clear rolling land bears E and W. enter level land 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 33 on W half and S 34 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

BOOK 2608

W. of cor.
 89.00 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 28 N. S 28 in N.W. R 15 E. S 27 in N.E. S 34 in S.E. and S 33 in S.W. quadrants. Dig pits 18x18x12 ins. in each. 200, 5 1/2 ft. dish. 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.

S 89° 58' E. on a random line bet. sec 27 and 34.
 40.00 Set temp. 1/4 sec. cor.
 79.98 Intersect N. and S. line at the cor. of sec. 26, 27, 34 and 35, ^{heretofore described} Thence S run
 N 89° 58' W. on a true line bet. sec. 27 and 34.
 Over rolling sandy land through sage and greasewood brush and bunch grass.
 83.00 Pop of sand hill bears N.E. and S.W. desc gently,
 39.99 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 34 on S. half.
 Dig pits 18x18x12 ins. East W. of post 3 ft. dish. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
 79.98 The cor. of sec. 27, 28, 33, and 34, heretofore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.

N 02° W bet. sec. 27 and 28
 Over level 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 28 on W. half and S 27 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.

Shaw

17

50.75 Dry sand wash 30 lbs wide 4 ft. deep corner S.W. level land bears N.E. and S.W. enter rolling land bears N.E. and S.W. and gradually over S.E. slope

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

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 21, 22, 27 and 28, marked on brass cap T 28 N S 21 in N.W. T 15 E S 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrant.

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

Land level and rolling
Soil sandy 3rd rate
No timber

This cor. is at foot of descent in flat bears N.E. and S.W.

40.00 S 89° 58' E on a random line bet. sec. 22 and 27.

Set temp. 1/4 sec. cor.

80.00 Intersect N and S. line 3 lbs. N. of the cor. of sec. 22, 23, 26 and 27. ^{heretofore described} Thence S run.

N 89° 57' W. on a true line bet. sec. 22 and 27.

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

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

80.00 The cor. of sec. 21, 22, 27 and 28, heretofore described.

Land level.
Soil sandy 3rd rate.
No timber

N 0° 02' W. bet. sec. 21 and 22.

Over level 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

BOOK 2606

the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ 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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W.
of cor.

70.65 Dry sand wash. 40 lbs. wide 10 ft. deep course S.E.

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 brass cap T₂₈ N. S 16 on W. R15 E S 15 in N.E. S 22
in S.E. and S 21 in S.W. quadrants.

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

Land level.

Soil sandy 3rd rate.

No timber

NOTE

Clouds obscure the sun at noon today rendering
an observation for latitude impossible.

December 8th 1907

December 14th 1909 ^{l.m.t.} At 8^h 15^m am. Set off 55^o 49' 46" on
the lat. arc 23^o 09 $\frac{1}{2}$ ' S. on the decl. arc. and determine
a meridian with the solar at the cor. of secs. 15-
16, 21, and 22. ^{hereinbefore described} Thence Drum

S 89^o 57' E. on a random line bet. secs. 15 and 22.

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

79.96 Intersect N and S. line 2 lbs. S. of the cor. of secs. 14, 15-
22 and 23. ^{hereinbefore described} Thence Drum

S 89^o 58' W on a true line bet. sec 15 and 22.

Over level 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 ins in
the ground for $\frac{1}{4}$ sec cor. marked on brass cap $\frac{1}{4}$ 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 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W.
of cor.

79.96 The cor. of secs 15, 16, 21 and 22, hereinbefore described.
Land level.

Soil sandy 3rd rate.

No timber.

Blaine

N^o 02 W. bet. sec. 15 and 16.

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

7.00 Dry sand wash 20 lbs. wide 1 ft. deep course S.E. trend 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 $\frac{1}{4}$ S16 on W half and S15 on E. half.

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

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

58.60 Dry ravine course S.E. asc.

80.00 Set an iron post 3 ft. long 2 in. in diam 24 ins. in the ground for cor. of sec. 9, 10, 15 and 16. marked on brass Cap T 28 N S 9 in N.W. R15 E.

S10 in N.E. S15 in S.E. and S16 in S.W. quadrants.

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

Land rolling.

Soil sandy 3rd rate.

No timber.

S89^o 58' E on a true line bet. sec. 10 and 15.

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

79.96 Intersect N and S line on the cor. of sec. 10, 11, 14 and 15 ^{here before destroyed} fence S run

N 89^o 58' W. on a true line bet. sec. 10 and 15

Over level sandy land through sage and greasewood bush undergrowth and bunch grass

39.98 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass Cap $\frac{1}{4}$ S10 on N. half and S15 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 N. of cor.

54.00 Dry sand wash 15 lbs. wide 3 ft. deep course S.E.

74.00 Level land bears N and S., enters rolling land bears N and S, asc. gradually over N.E. slope.

BOOK 2006

79.96 The cor. of secs. 9, 10, 15 and 16, heretofore described.
Land level and rolling.
Soil sandy 3rd rate.
No timber.

N¹⁰°02' W. 1/4 sec. 9 and 10.

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

5.00 Foot of descent in depression drains to the S.E. are
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 7 S 9 on W. half and 310 on E. half
Dig pits 18x18x12 ins. in diam. 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.

50.30 Top of ridge bear N.W. and S.E. desc.

67.60 Dry ravine 30 lbs. wide 3 ft. deep course S.E.

70.45 Dry ravine 20 lbs. wide 4 ft. deep course S.E.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 3, 4, 9 and 10 marked on brass cap T 28 N S 4 in N.W. R 15 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.

S 89°58' E on a random line bet. sec. 3 and 10.

40.00 Set temp. 1/4 sec. cor.

79.88 Intersect N and S. line 3 lbs. S. of the cor. of secs. 2, 3, 10 and 11 ^{heretofore described} Thence Drive

N 89°59' W. on a true line bet. sec. 3 and 10.

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

21.75 Dry sand wash 40 lbs. wide 4 ft. deep course S.

3994 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{2}$ sec. cor. marked on brass cap 34 on N. half and 310 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.

This cor. is situated on top of ridge, bears NW. and SE. desc. SW. slope.

47.00 Dry sand wash 25 lbs. wide 5 ft. deep course S.E. desc.

79.88 The cor. of secs. 3, 4, 9 and 10, heretofore described.

Sand rolling.

Soil sandy 3rd rate.

No timber.

No 02 W. cor. sec 3 and 4.

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

29.60 Top of sand ridge bears NW. and S.E. desc.

38.60 Dry sand wash 40 lbs. wide 6 ft. deep course S.E. desc.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap 34 on W. half and 33 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.

45.00 Top of sand ridge bears NW. and S.E. desc.

54.35 Dry sand wash 100 lbs. wide 8 ft. deep course S.E. desc.

77.65 Intersect the 7th Standard Parallel North 149 lbs. E. of the Standard $\frac{1}{4}$ sec. cor. on the S. side of sec 33.

estab. by plat 24, 1899 and described in Standard Book 10
Twp 29 N. R 15 E. Set an iron post 3 ft. long 2 in.

in diam 24 in. in the ground for closing cor.

of secs 3 and 4, marked on brass cap C.C. 729 N R

15 E. S 33 S 34 in N. half, S 3 in S.E. and S 4 in

SW. quadrants.

Dig pits 24x18x12 ins. crosswise on line E and W.

3 ft. and S of post 7 ft. dia. and raise a mound

of earth 4 ft. base, 2 ft. high. S. of cor.

BOOK 2606

Land rolling.
Soil sandy & gravelly.
No timber.

NOTE

Clouds obscure the sun at noon today rendering an observation for latitude impossible.
December 14th 1909

December 7th 1909
At 8:30 am, I set off 35° 46' 4" N. on the lat. arc 22° 46' S. on the decl. arc, and determine a meridian with the solar alt. cor. of sec. 4 recently estab. by me and described in *Extensive Book "Z"* 6, 32, and 33 on S. 1/4 of Twp. 28 N. Hence, true N 0° 03' W bet. sec. 32 and 33.

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

23.60 Dry sand wash 15 lbs. wide 4 ft. deep course S.E.

34.75 The same sand wash. Course S.W.

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 1/4 S 32 on W half and S 33 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 1/2 ft. base, 1 1/2 ft. high W of cor.

51.75 The same sand wash. Course S.E.

78.75 Top of round knoll. 15 ft. high elev.

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 4 28 N S 29 in N.W. R 15 E S 28 in N.E. S 33 in S.E. and S 32 in S.W. quadrants Dig pits 18 x 18 x 12 in. in each sec., 5 1/2 ft. dia. and raise a mound of earth, 4 ft. base, 2 ft. high W of cor.

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

S 89° 58' E on a random line bet. sec. 28 and 33.

40.00 Set temp. 1/4 sec. cor.

79.96 Intersect N and S. line 10 lbs. N. of the cor. of sec. 27, 28, 33 and 34, ^{heretofore described} Hence, true

N 89° 54' W. on a true line bet. sec. 28 and 33.

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

chains

23

- 28.00 Old road to Tuba, Arizona bears N and S.
- 30.36 Old road to Tuba, Arizona bears N.E and S.W.
joins the first road about 8 chs. N. of this point.
- 39.98 Set an iron posth. 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 28
on N. half and S 33. on S. half.
Dig pits 18x18x12 ins E and W. of posth. 3 ft. dist. and
raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high.
No. of cor.
- 57.00 Dry sand wash 10 lbs. wide course S.E., leave level
land bears N.W. and S.E., enter rolling land bears N.W.
and S.E., asc. gradually over E. slope.
- 79.96 The cor. of sec. 28, 29, 32 and 33, heretofore described.
Land level and rolling.
Soil sandy 3rd rate.
No timber.

N 0° 03' W. 1/4 sec. 28 and 29.

General N. slope over rolling and hilly sandy land
through sage and greasewood brush undergrowth
and bunch grass

- 00.30 Posth. of ditch in depression bears E and W. drains to the
E. side.
- 6.75 Top of ridge bears E and W. desc.
- 9.20 Dry ravine course E. asc.
- 31.30 Dry ravine 25 lbs. wide 4 ft. deep course S.E.
- 39.50 Top of ridge bears N.E. and S.W. desc.
- 40.00 Set an iron posth. 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 posth. 3 ft. dist. and
raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high.
No. of cor.
- 43.25 Dry ravine course E. asc.
- 60.50 Top of sand ridge bears N.E. and S.W. desc., enter cedar timber on E. side
- 63.50 Dry ravine course N.E. asc.
- 68.75 Top of sand ridge bears N.E. and S.W. desc.
- 75.00 Dry ravine course N.E. asc.
- 80.00 Set an iron posth. 3 ft. long 2 in. in diam. 24 ins.
in the ground for cor. of sec. 20, 21, 28 and 29. marked
on brass cap T 28 N S 20 in N.W. R 15 E S 21 in N.E. S 28

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in S.E. and S 29 in S.W. quadrants, from which
 A Cedar 6 ins. in diam. bears $N 19 \frac{1}{2}^{\circ} E$ 91 lks. dist. marked
 T 28 N. R 15 E S 21 B.T.

A Cedar 5 ins. in diam. bears $S 33^{\circ} E$ 82 lks. dist
 marked T 28 N. R 15 E S 28 B.T.

A Cedar 6 ins. in diam. bears $S 56 \frac{1}{2}^{\circ} W$ 89 lks. dist.
 marked T 28 N. R 15 E. S 29 B.T. and

A Cedar 4 ins. in diam. bears $N 77^{\circ} W$. 121 lks. dist.
 marked T 28 N. R 15 E S 20 B.T.

Land hilly.

Soil sandy 3rd rate.

No timber.

$S 89^{\circ} 54' E$ on a random line bet. sec. 21 and 28.

40.00 See map. 4 sec. cor.

80.06 Intersect, N. and S. line 8 lks. S. of the cor. of sec.
 21, 22, ^{heretofore described} 27 and 28, ^{thence} Drum

$N 89^{\circ} 57' W$. on a true line bet. sec. 21 and 28

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

5.25 Dry ravine 15 lks. wide 3 ft. deep. Course S.E., leave
 level land bears N.W. and S.E. enter hilly land bears
 N.W. and S.E. asc. gradually over N.E. slope.

40.03 Set an iron post 3 ft. long. 1 in. in diam. 26 ins.
 in the ground for 4 sec. cor. marked on bears
 Cap 4 S 21 on N. half and S. 28 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.

41.55 Road to Tuba, , Arizona bears N. and S.

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

62.80 Dry ravine Course N.E. asc.

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

71.00 Dry ravine Course N.E. asc.

80.06 The cor. of sec. 20, 21, 28 and 29, heretofore described.

Land level and hilly.

Soil sandy 3rd rate.

No timber.

N^o 03' W. 4th. Secs 20 and 21.
 Descend steep N. slope over hilly sandy land through scattering Cedar timber and sage brush undergrowth and bunch grass
 1.00 Dry ravine course S.E. asc.
 3.85 Top of sand ridge bears E. and W. desc.
 5.25 Dry ravine course E. asc.
 12.30 Top of ridge bears E. and W. desc.
 15.40 Dry ravine course N.E. asc.
 19.00 Top of ridge bears N.E. and S.W. desc
 21.65 Dry ravine course N.E. asc.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for cor marked on brass cap $\frac{1}{4}$ S 20 on W. half and S 21 on E. half from which,
 A Cedar 10 ins. in diam. bears S 7° E 146 lbs. dist. marked $\frac{1}{4}$ S 21 B.T.
 A Cedar 8 ins. in diam. bears N 63 $\frac{1}{2}$ ° W 114 lbs. dist. marked $\frac{1}{4}$ S 20 B.T.
 43.70 Top of sand ridge bears N.E. and S.W. desc
 50.85 Dry ravine course N.E. Clear timber bears N.E. and S.W. are steeply
 53.00 Top of ridge bears N.E. and S.W. desc.
 60.40 Dry ravine course N.E. asc.
 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins in the ground for cor. of secs. 16, 17 20 and 21 marked on brass cap T_{28N} S₁₇ in NW, T_{15E} S₁₆ in NE. S₂₁ in S.E. and S₂₀ in S.W. quadrants.
 Dig pits 18x18x12 ins in each sec 5 $\frac{1}{2}$ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
 Land hilly.
 Soil sandy 3rd rate.
 Timber Cedar.

NOTE: Clouds obscured the sun at noon today rendering an observation for latitude impossible.

Dec. 9 - 1909

1909
 December 15th at 8^h 00^m A.M. ^{l.m.t.} Set off 35° 49' 26. on the lat. arc. 23° 12' S. on the decl. arc. and determine a meridian with the solar at the cor of secs. 16, 17 20 and 21, ^{hereinbefore described} hence done

BOOK 2006

- S89°57'E on a random line bet. sec. 16 and 21
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 80.04 Intersect N and S. line 10 lks. S. of the cor. of sec. 15
 herebefore described
 16, 21. and 22. Hence Draw
 S89°57' W. on a true line bet. sec. 16 and 21
 Ascend S.E. slope over rolling sandy land through 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 $\frac{1}{4}$ sec. cor. marked on brass cap 4 S 16 on
 N. half and S 21 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.
 66.00 Road to Tuba, Ariz. bears N. and S.
 80.04 The cor. of sec. 16, 17, 20 and 21, herebefore described.
 Land rolling.
 Soil sandy 3rd rate.
 No timber.
-
- N70°03' W bet. sec 16 and 17.
 Over rolling sandy land slopes to N.E. through sage
 and greasewood bush undergrowth and bunch
 grass.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap 4 S 17
 on W. half and S 16 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.
 45.30 Road to Tuba, Ariz. bears N.W. and S.E.
 53.00 Top of descent in depression bears N.W. and S.E. drains
 to the S.E. asc. gradually over S.E. slope.
 72.00 Top of sand ridge bears N.E. and S.W. desc.
 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 7 28 N S 8 in N.W. N 15 E S 7 in N.E. S 16
 in S.E. and S 17 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, 1 ft. high.
 W. of cor.

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

- N 89° 59' E on a random line bet. sec. 9 and 16.
40.00 Set temp. 4 sec. cor.
80.04 Intersect N and S. line 8 lks. N. of the cor. of sec.
9, 10, 15 and 16, ^{heretofore described} thence Drive
N 89° 58' W, on a true line bet. sec. 9 and 16.
Ascend N.E. slope over rolling and hilly sandy land
through sage and greasewood brush undergrowth
and bunch grass.
35.00 Top of sand ridge bears N and S. desc.
37.40 Dry ravine course S.E. asc.
40.02 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.
Raise a mound of stone 2 ft. base 1 1/2 ft. high N.
of cor. Pile impracticable
This cor. is situated on top of ridge, bears N and S.
desc. W. slope.
41.85 Dry ravine course N.E. asc.
55.00 Top of sand ridge bears N and S. desc. gently over
W. slope.
80.04 The cor. of sec. 8, 9, 16 and 17, heretofore described.
Land rolling and hilly.
Soil sandy 3rd rate.
No timber.

N 90° 03' W bet. sec. 8 and 9,
Ascend S. 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 4 sec. cor. marked on brass cap
1/4 S 8 on W half and S 9 on E. half.
Dig pit 18x18x12 ins. N and S. of post 3 ft. deep and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W
of cor.

NOTE

On this cor. set off 23° 15' S on the N. line and

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at noon observed the sun on the meridian and
 obtain on the lab. arc a reading of $35^{\circ}50\frac{1}{2}'N$.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins
 in the ground for cor. of sec. 4, 5, 8 and 9, marked on
 brass cap T 28 N. S 5 in N.W. R 15 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. dia. and
 raise a mound of earth 4 ft. base, 2 ft. high W of
 cor.

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

$S 89^{\circ}58'E$ on a random line bet. sec. 4 and 9.

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

80.06 Intersect N and S line 5 lbs. S. of the cor. of sec. 3, 4,
 7 and 10, ^{heretofore described} hence drum
 Wash on a true line bet. sec. 4 and 9.

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

11.50 Dry sand wash 25 lbs. wide 5 ft. deep Course S. asc.

39.90 Top of sand ridge bears N.W. and S.E. 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.
 N 84 on N. half and S 9 on S. half.

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

43.60 Dry ravine Course S.E. asc.

74.20 Top of sand ridge bears N. and S. desc.

77.50 Dry ravine Course S. asc.

80.06 The cor. of sec. 4, 5, 8 and 9, heretofore described.

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

$N 0^{\circ}03'W$. bet. sec. 4 and 5.
 Ascend S.E. slope over hilly sandy land through
 sage and greasewood brush undergrowth and

- brush grass,
- 26,25 Dry ravine 20 ft. wide 3 ft. deep course S.E. asc steeply.
- 28,45 Top of ascent on W. face of knoll. desc.
- 30,50 Top of descent in depression bears N.E. and S.W. drains to the S.W. asc.
- 34,25 Top of ridge bears E and W. desc.
- 38,60 Dry ravine course S.E. asc.
- 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 5 on W half and S 4 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.
- 71,90 Top of clay ridge bears E and W. desc. steeply.
- 77,80 Intersects the 7th Standard Parallel North. 72 lbs. west of the witness cor. ^{or 1.28 chs. E. of point for} Stand 7 Sec. cor. on the S. side of sec 32 T 29 N. R 15 E. estab. by me April 24, 1909 and described in Standard Book "C" Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for closing cor. of sec 4 and 5 marked on brass cap C.C. 4-29 N R 15 E S 32, S 33 in N. half, S 4 in S.E. and S 5 in S.W. quadrant. Raise a mound of stone 2 ft. base 1 1/2 ft. high. S. of cor. Pits impracticable. Land hilly. Soil sandy and clayey 3rd and 4th rate. No timber.

December 15th 1909

- December 10th 1909 At 8^h 30^m a.m. ^{l.m.t.} set off. 35° 46' 1/4" N. on the lat. arc. 22° 51' 1/2" S. on the decl. arc and determine a meridian with the solar at the cor. of sec 5 recently estab. by me and described in Exterior Book "Z" 6, 31. and 32, on S. side of Tp 28 N. R 15 E. sec 31 and 32. N 80° 03' W. bet. sec. 31 and 32. Over rolling sandy land through sage and greasewood brush undergrowth and brush grass.
- 25,15 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 4 sec. cor. marked on brass cap 1/4 S 31 on W. half and S 32 on E. half, from which. A cedar 8 ins. in diam. bears N 23 1/4° E 89 lbs dia. marked

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- 1/4 S. 32 B.T.
 A Cedar 6 ins. in diam. bears N 42 1/4° W. 410 lks. dist. marked 1/4 S 31 B.T.
- 40.50 Enter Cedar timber bears N.W. and S.E. Leave rolling land bears N.W. and S.E. Enter hilly land bears N.W. and S.E.
- 54.80 Dry ravine 20 lks. wide 2 ft. deep course E. asc.
- 64.00 Top of sand ridge bears E and W. desc.
- 69.80 Dry sand wash 30 lks. wide course S.E. asc.
- 76.00 Top of sand ridge bears E and W. desc.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 29, 30, 31 and 32. marked on brass cap T 28 N. S 30 in N.W. R 15 E S 29 in N.E. S 32 in S.E. and S 31 in S.W. quadrants from which.
 A Cedar 8 ins. in diam. bears N 44 1/2° E 243 lks. dist. marked T 28 N R 15 E S 29 B.T.
- A Cedar 10 ins. in diam bears S 83 1/4° E 130 lks. dist. marked T 28 N, R 15 E S 32 B.T.
- A Cedar 8 ins. in diam. bears S 29 3/4° W 175 lks. dist. marked T 28 N. R 15 E S 31 B.T.
- A Cedar 12 ins. in diam bears N 11 1/2° W 221 lks. dist. marked T 28 N. R 15 E S 30 B.T.
- Sand rolling and hilly.
 Soil sandy 3rd rate.
 Timber Cedar,
-
- S 89° 58' E on a random line bet. sec. 29 and 32.
- 40.00 Set temp. 1/4 sec. cor.
- 79.94 Intersect N and S. line 5 lks. S. of the cor. of sec. 28 ^{herebefore described} 29, 32, and 33. ^{These 3} Draw
 West on a true line bet. sec. 29 and 32.
 Ascend E. slope over hilly sandy land through sage and greasewood brush undergrowth and bunch grass
- 8.50 Top of ridge bears N and S. desc.
- 21.75 Dry ravine course S.W. asc.
- 24.00 Top of ridge bears N and S. desc.
- 28.85 Dry ravine course S. asc. Enter Cedar timber bears N and S.
- 33.00 Top of ridge bears N and S. desc
- 39.97 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

Subdivision of Tp. 28 N. R. 15 E.

Belairs

31

- on N. half and S 32 on S. half; from which
 A Cedar 7 ins. in diam. bears N 70° W 87 lbs. dist. marked
 1/4 S 29 B.T.
- A Cedar 12 ins. in diam. bears S 64 1/2° W 171 lbs. dist.
 marked 1/4 S 32 B.T.
- 44.00 Dry sand wash 40 lbs. wide 2 ft. deep course S.W. cor.
- 50.60 Top of sand ridge bears N.E. and S.W. desc.
- 53.25 Dry ravine course S. cor.
- 65.00 Top of ridge bears N.W. and S.E. desc.
- 65.05 Road bears N.W. and S.E.
- 79.94 The cor. of sees. 29, 30, 31 and 32, heretofore described.
 Land hilly.
 Soil sandy 3rd rate.
 Timber Cedar.

- N 89° 58' W. on a random line bet. sees. 30 and 31.
- 40.00 Sec temp. 1/4 sec. cor.
- 79.38 Intersect W. ldy. of Tp. 10 lbs. N.E. of the cor. of see 25.
 recently estab. by ind. and described in Exterior Book "AF"
 30, 31, and 32. Hence Iron
- N 89° 58' E. on a true line bet. sees. 30 and 31
 Desc. E. slope over broken hilly sandy and stony
 land through scattering Cedar timber and bunch grass
- 8.15 Dry ravine course S.E. cor.
- 15.40 Top of stony spur bears N and S. desc.
- 21.00 Dry ravine course S. cor. abruptly.
- 26.00 Top of rock spur bears N and S. desc.
- 34.25 Dry ravine course S. cor. steeply.
- 39.38 Set an iron post 3 ft. long 1 in in diam 26 ins. in the
 ground for 1/4 sec. cor. marked on bears Cop 1/4 S 30
 on N. half and S 31 on S. half. from which.
 A Cedar 8 ins. in diam. bears N 43 1/2° E 70 lbs. dist.
 marked 1/4 S 30 B.T.
- A Cedar 14 ins. in diam. bears S 7° E 89 lbs. dist.
 marked 1/4 S 31 B.T.
- 51.45 Top of stony spur bears N and S., extends S of line 30 lbs
 dist. desc. steeply.
- 61.45 Both edge of mesa. desc. abruptly over S.E. slope
- 65.00 Top of abrupt descent in dry ravine course S. cor.
- 68.40 Top of clay ridge bears N and S. desc. steeply
- 79.38 The cor. of sees. 29, 30, 31 and 32, heretofore described.
 Land broken and hilly.

BOOK 2606

NOTE

Soil sandy and stony 3rd and 4th rate.
 Timber Cedar,
 At this cor D reb off. 22° 54' S. on the decl. arc. and
 at noon observe the sun on the meridian the
 resulting latitude being 35° 47' N.

N^o 03 W. Feb. sec 29. and 30
 descend n. slope over broken hilly sandy and stony
 land through scattering cedar timber, sage brush
 undergrowth and bunch grass.

- 2.10 Dry ravine course N.E. asc
- 22.00 Top of ridge bears E. and W. desc.
- 23.55 Dry ravine course S.E. asc.
- 30.50 Top of sand ridge bears E. and W. desc.
- 35.50 Dry ravine course N.E. asc.
- 38.40 Top of ridge bears N.E. and S.W. desc. n.w. slope.
- 40.00 Set an iron post 3ft. long 1 in in diam. 26 ins. in
 the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 30
 on W half and S 29 on E half. from which
 A Cedar 8 ins. in diam. bears S 44° E 66 lks. dist. marked
 $\frac{1}{4}$ S 29 B.T.
 A Cedar 10 ins. in diam. bears S 57 $\frac{1}{2}$ ° W 62 lks. dist.
 marked $\frac{1}{4}$ S 30 B.T.
- 43.65 Dry ravine course S.W. asc. steeply.
- 55.35 Top of steep ascent on S edge of mesa. bears E. and W.
 asc. gradually
- 57.00 South edge of canyon bears N.E. and S.W. desc.
 abruptly.
- 60.00 Bottom of canyon course S.W. asc. abruptly.
- 65.00 North side of canyon. bears N.E. and S.W. asc. gradually
 over S.E. slope.
- 80.00 Set an iron post 3ft. long 2 ins in diam. 24 ins.
 in the ground for cor. of sec. 19, 20, 29 and 30
 marked on brass cap T 28 N S 19 in N.W. R 15 E S 20
 in N.E. S 29 in S.E. and S 30 in S.W. quadrants
 from which
 A Cedar 8 ins. in diam. bears N 31 $\frac{1}{2}$ ° E 239 lks. dist.
 marked T 28 N. R 15 E S 20 B.T.
 A Cedar 6 ins. in diam. bears S 64 $\frac{3}{4}$ ° E 182 lks. dist.
 marked T 28 N. R 15 E S 29 B.T.
 A Cedar 7 ins. in diam. bears S 52° W 113 lks. dist.

Claim

marked T_{28N} R_{15E} S₂₀ B.T. and
 A cedar 6 ins. in diam. in draw, bears N_{46°W} 174 lks. dist.
 marked T_{28N}.R_{15E} S₁₇ B.T.
 Land rolling broken and hilly,
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar.

- 40.00 Esh timber 1/4 sec. cor.
- 79.96 Intersect Naud S. line ^{heretofore described} of cor. of sec. 20, 21, 28
 and 29. Thence S run
 2189.58' W on a true line bet. sec. 20 and 29.
 Ascend steep E slope over broken stony hilly
 land through scattering cedar timber and bunch
 grass.
- 6.90 Top of steep ascent on E. edge of mesa bears Naud
 S. bears hilly land bears Naud S. enter rolling
 land bears Naud S.
- 26.25 East side of Canyon bears N.E. and S.W., land
 rolling land bears N.E. and S.W., enter broken stony
 land bears N.E. and S.W. descends abruptly into
 Canyon
- 27.25 Bottom of Canyon course S.W. asc. abruptly.
- 28.15 West side of Canyon bears N.E. and S.W. bears
 broken land bears N.E. and S.W., enter rolling
 land bears N.E. and S.W. asc. gradually over E slope
- 39.98 See an iron post 3 ft. long in claim, 26 ins. in
 the ground for 1/4 sec. cor. marked on bear cap 1/4 S 20
 on N. half and S 29 on S. half, from which.
 A cedar 5 ins. in diam bears N_{49°E} 250 lks. dist.
 marked 1/4 S 20 B.T.
 A cedar 6 ins. in diam. bears S. _{46 1/2}°W 197 lks. dist.
 marked 1/4 S 29 B.T.
- 45.00 Top of sand ridge bears N.E. and S.W. desc.
- 53.00 Dry ravine course S.W. asc.
- 79.96 The cor. of sec. 19, 20, 29 and 20, heretofore described.
 Land rolling broken and hilly.
 Soil sandy and stony 3rd and 4th rate.
 Timber Cedar.

December 10th 1907

Subdivision of Twp 28 N. R. 15 E

BOOK 2606

- December 16th ¹⁹⁰⁹ At 9^h 00^m a.m. l. mt. Set off. 35° 48' 16" on the lat. arc, 23° 17' 3" on the decl. arc and determined a meridian with the solar alt. the Cor. of sec. 19, 20 herebefore described
29 and 30, Thence I run
- S 89° 58' W. on a random line bet. sec. 19 and 30.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.32 Intersect W. l. by of Twp. 46 lks. S. of witness cor. to cor. recently established and described in Exterior Book "AF" of sec. 19, 24, 25 and 30, Thence I run from true point for cor. of sec. 19, 24, 25 and 30
- N 89° 58' E. on a true line bet. sec. 19 and 30.
- Descend steep rocky E slope over broken hilly sandy and stony land through scattering cedar and pineson pine timber and bunch grass.
- 1.30 Dry ravine course N.W. asc.
- 20.35 Top of sand ridge bears N.E. and S.W. desc.
- 39.32 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 N half and S 30 on S. half from which.
- A pineson pine 12 ins. in diam. bears N 3 $\frac{1}{2}$ ° W 194 lks. dist. marked $\frac{1}{4}$ S 19 B.T.
- A pineson pine 10 ins. in diam bears S 47 $\frac{3}{4}$ ° W 193 lks. dist. marked $\frac{1}{4}$ S 30 B.T.
- 55.50 East edge of mesa bears N and S. desc. abruptly
- 59.40 Foot of abrupt descent. bears stony land bears N and S. enter sandy land bears N and S. desc. gradually
- 67.00 Dry ravine course S.E. asc.
- 76.30 Top of sand ridge bears N and S. desc.
- 79.32 The cor. of sec. 19, 20, 29 and 30, herebefore described. Land broken and hilly.
- Soil sandy and stony 3rd and 4th rate.
- Timber Cedar and pineson pine.

N 0° 03' W bet. sec. 19 and 20.

Ascend S. slope over hilly sandy and stony land through sage and greasewood brush undergrowth and scattering cedar and pineson pine timber.

- 31.45 Top of sand ridge bears N.E. and S.W. desc. N.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 $\frac{1}{4}$ S 19 on W. half and S 20 on E half. from which.
- A cedar 4 ins. in diam. bears N 26° E 180 lks. dist.

Chain

- marked $\frac{1}{4}$ S 20 B.T.
- A pinion pine 8 ins. in diam. bears S 54° W 100 lks. dist. marked $\frac{1}{4}$ S 19 B.T.
- 40.81 Dry ranine 20 lks. wide course N.E. asc.
- 46.75 Top of sand ridge bears E. and W. desc. steeply
- 76.70 Dry ranine course N.E. asc.
- 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 28 N R 15 E S 17 in N.W. R 15 E S 17 in N.E. S 20 in S.E. and S 19 in S.W. quadrants from which
- A cedar 5 ins. in diam. bears N 54 $\frac{1}{2}$ ° E 192 lks. dist. marked T 28 N R 15 E S 17 B.T.
- A cedar 7 ins. in diam. bears S 32 $\frac{1}{2}$ ° E 202 lks. dist. marked T 28 N R 15 E S 20 B.T.
- A cedar 7 ins. in diam. bears S 5° W 236 lks. dist. marked T 28 N R 15 E S 19 B.T. and
- A cedar 10 ins. in diam. bears N 88 $\frac{1}{2}$ ° W. 234 lks. dist. marked T 28 N. R 15 E S 18 B.T.
- Land broken and hilly.
- Soil sandy and stony 3rd and 4th rate.
- Timber pinion pine and cedar.
- At this cor. set off 23° 18' S. on the decl. arc and at noon observe the sun on the meridian and obtain as the lat. are a reading of 35° 49' 23.

- S 89° 58' E on a random line bet. sec. 17 and 20
- 40.00 Set temp $\frac{1}{4}$ sec. cor.,
- 79.92 Intersect N and S. line 14 lks. S. of the cor. of sec. 16, 17, 20, and 21. ^{heretofore described} Thence draw
- S 89° 56' W. on a true line bet. sec. 17 and 20.
- Ascend E. slope of ridge over hilly sandy and stony land through scattering sage brush undergrowth and bunch grass
- 6.25 Top of ridge bears N and S. desc.
- 13.60 Enter pinion pine and cedar timber bears N and S.
- 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 17 on N. half and S 20 on S. half. from which
- A cedar 5 ins. in diam. bears N 76 $\frac{1}{2}$ ° W 188 lks. dist. marked $\frac{1}{4}$ S 17 B.T.
- A cedar 6 ins. in diam bears S 72 $\frac{3}{4}$ ° W 92 lks. dist. marked $\frac{1}{4}$ S 20 B.T.

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- 49.65 Dry ravine 30 lbs wide 1 ft. deep course S.W. asc.
- 48.00 Top of sand ridge bears N and S. desc steeply
- 53.00 Dry ravine course N.W. asc
- 56.70 Top of sand ridge bears N and S. desc.
- 60.00 Dry ravine course N. asc.
- 64.50 Top of sand ridge bears N and S. desc.
- 79.10 Dry ravine course N. asc.
- 79.92 The cor of sec. 17, 18, 19 and 20, hereinbefore described.
Land broken and hilly.
Soil sandy and stony 3rd and 4th rate.
Timber pinon pine and cedar.

S 89° 58' W. on a random line bet. sec. 18 and 19.

- 40.00 Sec. top. $\frac{1}{4}$ sec. cor.
- 79.28 Intersect W. base of Twp. 55 lbs. S. of the wetness cor. ^{recently cut by the band described in Exterior Book "A"} to cor of sec. 13, 18, 19 and 24. Hence from true point for cor. of sec. 13, 18, 19 and 24. Drum East on a true line bet. sec. 18 and 19.
Descend gradually by N.E. slope over mountainous land through scattering scrub cedar and pinon pine timber
- 3.30 North edge of mesa. bears N 80° W and S 80° E. desc. abruptly over N.E. slope.
- 7.00 Dry ravine course N.E. asc.
- 14.00 Top of spur bears N and S. desc.
- 30.50 Bottom of canyon 100 ft. deep course N.E. asc.
- 34.55 East side of canyon bears N.E. and S.W. continue ascent.
- 36.00 Top of rocky spur bears N and S. desc.
- 39.28 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for $\frac{1}{4}$ sec. cor. marked on brass cap $\frac{1}{4}$ S 18 on N. half and S 19 on S half. from which
A pinon pine 4 ins. in diam bears N 60° E 70 lbs. dia. marked $\frac{1}{4}$ S 18 B.T.
A pinon pine 10 ins. in diam bears S 31 $\frac{1}{2}$ ° E 19 lbs. dia. marked $\frac{1}{4}$ S 19 B.T.
- 40.00 Sand stone ledge 10 ft. high bears N.E. and S.W.
- 42.80 Dry ravine course N. asc.
- 47.10 Top of rocky ridge bears N.E. and S.W. desc steeply
- 47.48 Dry ravine course N.W. asc.
- 59.00 Top of spur bears N and S. desc steeply
- 62.90 Begin abrupt descent.
- 66.00 Foot of abrupt descent in dry ravine course S.E. asc.

- 76.00 Top of sand ridge bears N and S. desc.
- 79.28 The cor. of secs. 17, 18, 19 and 20, heretofore described.
Land mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber prairie pine and cedar.
Mountainous land 80.00 chs.

December 16th 1909

- 1909
December 17th at 8^h 00^m a.m. l.m.t. set off 35° 49' N. on the line are 237 1/2' S. on the decl. arc and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20 heretofore described. True sun N 0° 03' W bet. secs. 17 and 18.
- Ascend S.E. slope over hilly sandy land through scattering prairie pine and cedar timber and sage brush undergrowth and bunch grass
- 7.50 Top of ridge bears N.E. and S.W. desc.
- 25.00 Least timber bears N.W. and S.E.
- 35.60 Dry ravine course N.W. desc.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor marked on brass cap 1/4 S 18 on W. half and S 17 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.
- 43.65 Dry ravine 10 lbs. wide 1 ft. deep course S.W.
- 72.15 Top of sand ridge bears N.E. and S.W. desc.
- 80.00 Set an iron post 3 ft. long. 2 ins. in diam. 24 ins. in the ground for cor of secs. 7, 8, 17 and 18 marked on brass cap T 28 N 57 in N.W. R 15 E S 8 in N.E. S 17 in S.E. and S 18 in S.W. quadrants.
Raise a mound of stone 2 ft. base 1 1/2 ft. high. W. of cor. Pits impracticable.
Land hilly.
Soil sandy 3rd rate.
Timber prairie pine and cedar.

- 40.00 Set temp. 1/4 sec. cor.
- 79.78 Intersect N and S. line 10 lbs. S. of the cor. of secs. 8, 9. heretofore described. True sun 16 and 17

BOOK 2506

- S $89^{\circ}52'$ W. on a true line bet. sec. 8 and 17.
 Descend S.W. slope over rolling sandy land through
 sage and greasewood brush undergrowth and bunch
 grass.
- 21.90 Road from Burro Spring to. Tuba, Arizona
 bears N.W. and S.E.
- 34.00 Dry ravine 20 lbs. wide course S. and
- 39.89 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 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.
- 54.00 Top of sand ridge bears N.W. and S.E. desc.
- 64.65 Dry ravine 20 lbs. wide 3 ft. deep. course S.W. and
- 75.00 Top of ridge bears N.E. and S.W. desc.
- 78.38 Dry ravine course N.W. and
- 79.78 The cor. of sec. 7, 8, 17 and 18, heretofore described.
 Land rolling and hilly.
 Soil sandy 3rd rate.
 No timber.
-
- NOTE: At this cor. I set off $23^{\circ}21'$ S. on the decl. arc and at
 noon observed the sun on the meridian the resulting
 latitude being $35^{\circ}50'46''$ nearly.
-
- West on a random line bet. sec. 7 and 18.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor
- 79.08 Intersect W. line of Tp. 5 lbs. N. of the cor. of sec. 7, 12.
 recently established by the road described in Exterior Book "AF"
 13 and 18. Hence true
- N $89^{\circ}58'$ E on a true line bet. sec. 7 and 18.
- Descend S.E. slope over hilly sandy land through sage
 and greasewood brush undergrowth and bunch grass
- 7.80 Dry ravine course S.W. and
- 39.08 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 7 on
 N. half and S 18 on S. half.
- Dig pits 18x18x12 in. E and W. of post 3 ft. dia. and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high.
 N. of cor.
- 50.00 Top of sand ridge bears N.E. and S.W. desc.
- 55.00 Dry sand wash. 20 lbs. wide 6 ft. deep course S.W. and

Chaus

- 67.40 Top of ridge bear N and S. desc.
- 72.30 Dry ravine 10 lbs. wide course S. asc.
- 79.08 The cor. of sees 7, 8, 17 and 18, heretofore described.
Land belly.
Soil sandy 3rd rate.
No timber.

No 03' W bet. sees. 7 and 8
 Run N.E. slope over belly sandy land through sage
 and greasewood brush undergrowth and bunch
 grass

- 0.10 Dry ravine course N.W. asc.
- 4.35 Top of ridge bear N.E. and S.W. desc.
- 5.50 Dry ravine course S.W. asc.
- 18.35 Top of sand ridge bear N.E. and S.W. desc.
- 34.00 Dry ravine course S.W. asc.
- 40.00 Set an iron post 3 ft. long 1 in diam. 26 ins. in
 the ground for 1/4 sec. cor. marked on brass cap
 1/4 S 70 W half and S 80 W 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.
- 45.00 Road to Tuba, Arizona, bear N.W. and S.E.
- 71.75 Top of high sand ridge bear N.E. and S.W. desc.
- 73.50 Dry ravine course N.W. asc.
- 80.00 Set an iron post 3 ft. long, 2 ins. in diam 24 ins.
 in the ground for cor. of sees. 5, 6, 7 and 8, marked
 on brass cap 728 N. 36 in N.W. 115 E 55 in N.E. 38 in
 S.E. and 37 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 belly,
 Soil sandy 3rd rate.
 No timber.

December 18th 1909

1909
 December 18th at 8:30 a.m. l.m.t. each off. 35° 50' N.
 on the lat. arc. 23° 21' S. on the decl. arc and determine
 a meridian with the solar on the cor. of sees 5
 (6, 7, and 8) heretofore described.
 W 89° 52' E. on a random line bet. sees. 5 and 6.

BOOK 2606

- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.82 Intersect N and S. line 3 lks S of the cor of secs. 4, 5, 8 and
 heretofore described
 7, 11 *Wells Run*
 $S 89^{\circ} 51' W$. on a true line bet. secs. 5 and 8.
 Ascend E. slope over hilly sandy land through sage
 and greasewood bush undergrowth and bunch grass
- 7.00 Top of sand ridge bears N and S. desc.
- 14.15 Dry sand wash 20 lks wide 5 ft. deep course S.W. asc.
- 35.00 Top of ridge bears N.E. and S.W. desc.
- 39.91 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 5
 on N. half and S 8 on S. half.
 Dig pits 18x18x12 ins. E and W of post 3 ft. dist. and
 raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. N. of cor.
- 46.85 Dry ravine 10 lks. wide 2 ft. deep course S.W. asc.
- 50.35 Top of sand ridge bears N.E. and S.W. desc.
- 64.10 Dry ravine course S.W. asc.
- 70.30 Top of ridge bears N.E. and S.W. desc.
- 79.82 The cor. of secs. 5, 6, 7 and 8, heretofore described.
 Land hilly.
 Soil sandy 3rd rate.
 No timber

- $S 89^{\circ} 58' W$. on a true line bet. secs. 6 and 7.
- 40.00 Set temp $\frac{1}{4}$ sec. cor.
- 79.08 Intersect W. side of Twp. 5 lks S. of the cor of secs. 1, 6,
 recently estab. by the land described in Exterior Book "AF"
 7 and 12, *Wells Run*
 East on a true line bet. secs. 6 and 7.
 Ascend S.W. slope over hilly sandy land through sage
 and greasewood bush undergrowth and bunch grass
- 1.00 Top of sand ridge bears N.W. and S.E. desc.
- 12.46 Dry ravine course S.E. asc.
- 14.10 Top of sand ridge bears N and S. desc.
- 20.70 Dry ravine course S.W. asc.
- 39.02 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 6 on N. half and S 7 on S. half.
 Dig pits 18x18x12 ins. E and W of post 3 ft. dist.
 and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high
 N. of cor.
- 44.60 Top of sand ridge bears N.W. and S.E. desc.

Subdivision of Tp 28 N R 15 E.

Chain

57.70 Road to Tuba, Arizona bears NW. and SE.
 62.65 Dry ravine 20 lbs. wide 2 ft. deep course NW. and SE.
 79.02 The cor. of secs. 5, 6, 7 and 8; hereinbefore described.
 Land hilly.
 Soil sandy 3rd rate.
 No timber.

N 0° 03' W 1/4 sec. 5 and 6.

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

13.00 Top of sand ridge bears NE. and SW. desc.
 24.50 Dry ravine course W. and E.
 26.00 Top of sand ridge bears E and W. desc.
 28.15 Dry ravine course S.W. asc. Enter scattering cedar timber bears NE. and S.W.
 38.00 Top of ridge bears NE. and SW. desc.
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 4 S 6 on W half and 35 on E half. from which
 A cedar 12 ins. in diam. bears S 29 1/2° E 43 lbs. dist. marked 1/4 S 5 B.T.
 A cedar 6 ins. in diam. bears S 75 3/4° W 37 lbs. dist. marked 1/4 S. 6 B.T.

NOTE At this cor. set off 23° 22 1/2' S on the decl. arc. and at noon observe the sun on the meridian the resulting latitude being 35° 57' N.

48.70 Dry ravine course NW. and SE.
 62.45 Top of sand ridge bears E and W. desc.
 77.74 Intersect the 7th Standard Parallel north 146 lbs. E. of the Standard 1/4 sec. cor. on the S. side of sec. 31. Tp 29 N. R 15 E. Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for closing cor. of secs 5 and 6. marked on brass cap. C.C. T 29 N R 15 E S 31 S 32 in W. half. S 5 in S.E. and S 6 in S.W. quadrant from which.
 A cedar 6 ins. in diam. bears S 24° E 295 lbs. dist. marked C.C. T 29 N R 15 E S 5 B.T.
 A cedar 7 ins. in diam. bears S 57° W 112 lbs. dist. marked C.C. T 29 N. R 15 E. S 6 B.T.
 Sand hilly

BOOK 2606

Soil sandy and stony 3rd and 4th rate.
Pine CedarDecember 18th 1909

General Description.

The land in this township varied from mountainous and hilly in the northern and western parts to rolling sand hills in the eastern part, with some nearly level land in the southern and south eastern parts, the soil ranged from 2nd to 4th rate.

The soil of the eastern and south eastern portions is a sandy loam mostly 3rd rate and is covered with an excellent growth of different varieties of grass, which furnish winter pasture for numerous herds of sheep and goats. The soil of the mountainous and mesa portions of the township is very stony and can be classed as 4th rate, producing a scanty growth of sage brush and greasewood.

The township is poorly watered there being no springs or creeks within its boundaries. Cedar and Piñon pine timber is found over the mesa portion of the township and along the ridges which lead up to the mesas. The only mineral discovered in this township was coal which exists in large quantities and underlies nearly all of the mesa portion of the township.

There are no permanent settlements in the township.

Erduoy E. Klob
U.S. Examiner of Surveys

December 18th 1909

December 22nd 1909. I change the duties of William R Carson, from moundman to flagman and the duties of Ralph C. Sampson, from flagman to moundman. No officer authorized to administer oaths other than myself being available

Blaine

without great inconvenience delay and
expense. I administer the required preliminary
and final oaths

Sidney E Blunt
U.S. Examiner of Surveys

LIST OF NAMES.

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

U. S. 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 Subdivisional lines

of No. 28 T6. R15E. 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 Chairman Chairman.
- Earl Albright Chairman.
- William R. Carson Moundman.
- Chas L. Spumway Asman.
- Ralph Sampson Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blouh

U. S. Examiner of Surveys
~~United States Deputy Surveyor~~

in surveying all those parts or portions of the Subdivisional lines of No. 28 T6. of Range No. 15 East

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

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

~~General~~ of the General Land Office Van L. White Comptroller

- Earl Albright and Fred L. Warner Chairman.
- William R. Carson Moundman.
- Chas L. Spumway Asman.
- Ralph C. Sampson Flagman.

Subscribed and sworn to before me this 22nd day of December, 1909

Sidney E. Blouh
U.S. Examiner of Surveys



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

I, Sidney E. Blout, U. S. Examiner of Surveys,
United States Deputy Surveyor, do
solemnly swear that, in pursuance of Special Instructions received from the Commissioner of
~~United States Surveyor General for~~ the General Land Office, bearing date of the
9th day of Oct 1907 and the 15th day of May, 1908, I have well, faithfully, and truly, in my own
proper person, and in strict conformity with the instructions furnished by the United States
~~Surveyor~~ Commissioner
~~of the General Land Office~~, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or portions of The Subdivision lines of
Twp. No. 28 N., Range No. 15 E.

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~~ Commissioner
~~of the General Land Office~~, and in the specific manner described in the field notes, and that
the foregoing are the original field notes of such survey.

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 S. 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 28 North, Range 15 East, of the
Gila and Salt River Base and Meridian, Arizona

executed by Sidney E. Blout, U.S. Examiner of Surveys
under Special Instructions From the Commissioner of the General Land Office
~~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