91

Subdivisional

BOOK "D"

2582

FIELD NOTES

BOOK 2582

OF THE SURVEY OF THE

Subdivision lines of Twp. No. 25 N., Range No. 20 East.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED AS ~~SURVEYED~~ BY

Sidney E. Bloute, United States Examiner of Surveys

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

Survey commenced June 5th, 1910, ~~19~~

Survey completed June 21st, 1910, ~~19~~

6—151

92
(14)

BOOK 2582

NAMES AND DUTIES OF ASSISTANTS.

Vaus L. White	Compassman
Fred L. Warner	Chainman
D. Y. White	Chainman
Charles A Dutton	Chainman
Chas L. Shumway	Mounduan
Jack Nez.	Axman
William R Carson	Flagman

6—151

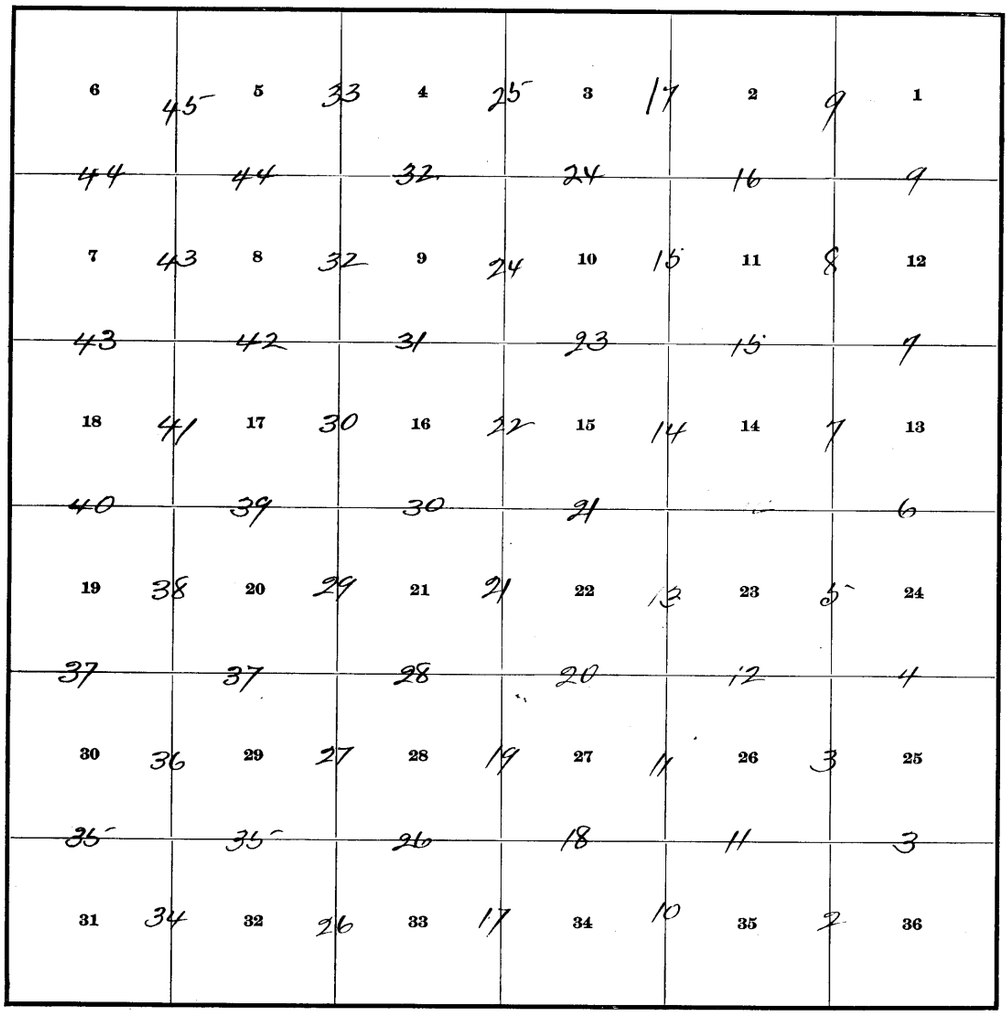
93

BOOK 2582

Book No. 2582

INDEX DIAGRAM.

Township No. 25 N., Range No. 20 E.



Meanders Page

6—151

94
(C)
BOOK 2582

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred L. Warner, N. Y. White and Charles A Dutton do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of The Subdivisional lines of Wp. No. 25 N., Range No. 20 East of the G. & S. R. Base & Meridian, Arizona.

N. Y. White and Fred L Warner, Chainman.

Charles A Dutton, Chainman.

Subscribed and sworn to before me this 4th day of June, 1910

SEAL

Sidney E Blout
U.S. Examiner of Surveys

WE, I Chas L Shumway ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ me to the best of ~~our~~ my skill and ability, in the survey of The Subdivisional lines of Wp. No. 25 N., Range No. 20 East of the G. & S. R. Base & Meridian, Arizona.

Chas L Shumway, Moundman.

~~Moundman.~~

Subscribed and sworn to before me this 4th day of June, 1910

SEAL

Sidney E Blout
U.S. Examiner of Surveys

WE, I Jack Nez ~~and~~ do solemnly swear that ~~we~~ I will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given ~~us~~ me to the best of ~~our~~ my skill and ability, in the survey of The Subdivisional lines of Wp. No. 25 N., Range No. 20 East of the G. & S. R. Base & Meridian, Arizona.

Jack Nez, Axman.

~~Axman.~~

Subscribed and sworn to before me this 4th day of June, 1910

SEAL

Sidney E Blout
U.S. Examiner of Surveys

I, William R Carson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of The Subdivisional lines of Wp. No. 25 N., Range No. 20 East of the G. & S. R. Base & Meridian, Arizona.

William R Carson, Flagman.

Subscribed and sworn to before me this 4th day of June, 1910

SEAL

Sidney E Blout
U.S. Examiner of Surveys

6—151

Survey Commenced June 5th 1910. and executed with a Young. and Sons light mountain transit No. 10. with W Smith Solar attachment. The horizontal limb is provided with two double verniers. placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

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 established by observations on Polaris I proceed as follows;

At my Camp which is located near the cor. of secs. 15. 16 21 and 22. Wp 25 N. R20 E., Latitude 35° 32' N. Longitude 110° 12' 38" W., I set off 35° 33' N. on the lat. arc., 22° 30½' on the decl. arc. and at 8h 00m a.m. l.m.t. determine a meridian with the solar and mark a point thereof by a tack driven in a stake set firmly in the ground 5.00 chs. N. of my instrument.

At. 3h 00m p.m. l.m.t. I set off 35° 33' N. on the lat. arc 22° 32½'. 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 5.00 chs. N. of my station. This point falls 0.8 links west of the point established by the a.m. observation.

At. 7h 02m p.m. by my watch which is correct. local mean time I 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 5.00 chs. N. of my instrument.

Time of Observation June 5th 1910		7h 02.
Equivalent to time of June 4th		31 02.
Astron. time U.C. Polaris June 1st 1910.	20h 46m.4	
Reduction to June 4th Subtract	11.8	
Astron. time U.C. Polaris June 4th	20 34.6 Subtract	20 34.6
Hour angle and time Arguments of Polaris for Table VII		10 27.4
Azimuth of Polaris at observation June 5th 1910		0° 33¾ W

June 6th At. 6h 00m a.m. l.m.t. I lay off the azimuth of Polaris.

BOOK 2582

0° 32¾' to the west and mark the meridian thus determined by a tack driven in the stake already set 5.00 chs. N. of my instrument, on which the meridian falls midway between the points established by the solar observations. The solar operations by a.m. and p.m. observations define positions for meridians respectively about 0'21" east and 0'21" west of the meridian established by the Polaris observation. Therefore I conclude that the instrument is in satisfactory adjustment

I begin at the Standard Cor. of Secs. 35 and 36. on the S. bdry. of T 25 N. R 20 E. which I re-established June 5-1910, and described in Standard Book "H" Latitude 35° 30' 35" N., Longitude 110° 10' 30" W. At 8h 00m a.m. l.m.t. I set off 35° 30½' N. on the lat. arc, 22° 37' N on the decl. arc. and determined a meridian with the solar at the above described cor., thence I run

N 0° 01' W. bet. secs. 35 and 36.

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

3.30 Dry Sand wash 6 lks. wide Course S 35° W. asc gently.

18.00 Enter scattering cedar timber bears N 40° E and S 40° W

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

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 Cop ¼ S 35 on W half and S 36 on E. half, from which.

A cedar 16 ins. in diam bears S 18° E 211 lks. dist marked ¼ S 36 B.T.

A cedar 10 ins. in diam. bears N 82½° W 267 lks. dist marked ¼ S 35 B.T.

45.00 Dry. ravine Course S.E. asc.

65.00 Top of stony ridge bears N.E. and S.W. desc

76.50 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 25, 26, 35 and 36. marked on brass Cop T 25 N S 26 in N.W. R 20 E S 25 in N.E., S 36 in S.E and S 35 in S.W. quadrant from which.

A cedar 10 ins. in diam. bears N 64° E 246 lks. dist. marked T 25 N. R 20 E. S 25 B.T.

A cedar 6 ins. in diam. bears S 4° E 6 lks. dist. marked T 25 N. R 20 E S 36 B.T.

A cedar 10 ins. in diam bears S 47¾° W 205 lks. dist. marked T 25 N, R 20 E, S 35 B.T. and

A cedar 8 ins. in diam bears N 79¼° W 225 lks. dist.

Subdivision of N½ 25 76 N R20E.

Chains

marked T25 N. R20E, S 26 B.T.
Land rolling and hilly.
Soil sandy and stony 3rd rate.
Timber Cedar.

S89°51'E on a random line bet. Secs. 25 and 36.
40.00 Set temp. ¼ sec. Cor.
80.00 Intersect the 5th Guide Meridian East 14 lks. S. of the recently established by me & described in Standford Book "J"; Cor. of Secs. 25. 30. 31 and 36, Three Drum
N89°57'W. on a true line bet. Secs. 25 and 36.
Ascend S.E. slope over rolling sandy land, through scattering sage brush undergrowth and bunch grass.
17.00 Enter scattering Cedar timber bears N.E. and S.W.
19.00 Top of S and ridge bears N.E. and S.W. descend gently.
32.30 Dry ravine 10 lks. wide Course N.E. ascend.
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ Sec. Cor. marked on brass Cap. ¼ S 25 on N. half. and S 36 on S. half. from which.
A Cedar 10 ins. in diam, bears N31½°W 227 lks. dist, marked ¼ S 25 B.T. and
A Cedar 6 ins. in diam. bears S13°W. 96 lks. dist. marked ¼ S 36 B.T.
48.00 Top of S and ridge bears N.E. and S.W. desc.
64.95 Dry ravine 25 lks. wide Course N.E. asc.
80.00 The Cor. of Secs. 25. 26. 35 and 36, heretofore described.
Land rolling and hilly.
Soil sandy and stony 3rd rate.
Timber Cedar.

N0°01'W bet. Secs. 25 and 26.
Ascend S.E. slope over hilly sandy land through scattering Cedar timber and bunch grass.
27.00 Top of ascent on Mesa bears N.E. and S.W. desc. N.W. slope
NOTE At this point Set off 22°38' N on the dec. arc. and at noon observe the sun on the meridian, the resulting latitude being 35°31½' N.
38.00 Dry ravine 15 lks. wide Course N40°W ascend
39.00 Top of ridge bears N.W. and S.E. desc
40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. Cor. marked on brass Cap ¼ S 26 on W half and S 25

BOOK 2582

on E. half, from which.
A Cedar 14 ins. in diam bears S 81° E 44 lks. dist. marked 1/4 S 25 B.T. and
A pinion pine 6 ins. in diam bears N 80 1/4° W 118 lks. dist. marked 1/4 S 26 B.T.

42.40 North edge of Mesa on perpendicular Cliff 50 ft. high. bears N 60° E and S 60° W. Leave hilly land bears N.E. and S.W., Enter stony mountainous land bears N.E. and S.W. descend N.W. Slope of Mesa

45.00 Foot of Cliffs. bears N.E. and S.W., Leave mountainous land bears N.E. and S.W., Enter hilly. sandy land.

62.60 Dry ravine 10 lks wide 4 ft. deep Course N.W.

66.00 Leave timber bears E and W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of secs. 23, 24, 25 and 26 marked on brass Cap T 25 N. S 23 in N.W., R 20 E, S 24 in N.E., S 25 in S.E. and S 26 in S.W. quadrants, from which.
A bone Cedar 8 ins. in diam bears N 12 3/4° E 338 lks. dist. marked T 25 N. R 20 E, S 24 B.T., No other trees available.
Dig pits 24 x 18 x 12 ins. in each sec. S.E., S.W., and N.W. of post 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
Land hilly and mountainous.
Soil Sandy and Stony 3rd and 4th rate.
Timber Cedar and scattering pinion pine.
Mountainous land. 2.66 Chs.

S 89° 57' E on a random line bet. Secs. 24 and 25

40.00 Set temp. 1/4 sec. cor.

80.16 Intersect the 5th Guide meridian East. 5 lks. N. of the cor. of secs. 19, 24, 25 and 30. recently established by me & described in Standard Book "J" Thence Run

N 89° 55' W. on a true line bet. Secs. 24 and 25

Ascend E. slope of spur over mountainous land, through scattering Cedar timber and bunch grass. undergrowth

9.00 Pass of Stony spur 40 ft. above Cor. bears N and S. desc.

17.00 Dry ravine 20 lks. wide Course S. asc.

19.50 Pass of spur 30 ft. above ravine bears N and S. desc.

23.00 Dry. rocky ravine Course S. asc.

24.60 Pass of rocky spur bears N and S. desc.

27.50 Dry ravine Course S 30° W. asc.

31.00 Pass of spur bears N and S. Leave timber bears N. and S.

Subdivision of Nfs 25 N., R 20 E. 5

Chains

40.08 Set an iron post 3 ft. long, 1 in. in diam. 26 ins in the ground for 1/4 sec. Cor. marked on brass cap 1/4 S 24 on N. half and S 25 on S. half.
Raise a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.

45.00 Enter scattering cedar timber bears N.W. and S.E.

61.35 Dry sand wash 30 lks. wide, 2 ft. deep Course N 20° W.
Leave mountainous land bears N 30° W. and S 30° E.,
Enter hilly sandy land bears N 30° E and S 30° W. asc.

62.15 Road from Holbrook Arizona to Polacca Arizona bears N 30° W. and S 30° E.

62.35 Leave timber bears N and S.

69.00 Nfs of sand ridge bears N 25° W. and S 25° E, desc.

80.16 The Cor. of secs. 23. 24. 25 and 26, hereinbefore described.
Land hilly and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.
Mountainous land 61.35 Chs.

June 6th 1910 --

June 7th 1910, At 7h 15m a.m. l.m.t. I set off 35° 32' + N. on the lah arc 22° 43½' N. on the decl arc and determined a meridian with the Solar at the Cor. of secs 23. 24. 25 and 26, hereinbefore described Thence I run
N 0° 01' W bet. secs 23 and 24
Descend N.W. slope over hilly sandy land through scattering sage brush undergrowth and bunch grass

17.60 Road from Holbrook Arizona to Polacca Arizona bears N 40° W. and S 40° E, Enter scattering cedar timber bears N.W and S.E.

20.10 Dry sand wash 15 lks wide Course N. 30° W asc.

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 23 on W. half and S 24 on E. half., from which.
A cedar 12 ins. in diam. bears N 89½° W. 80 lks. dist. marked 1/4 S 23 B.T. and.
A cedar 10 ins. in diam bears N 20° E 191 lks. dist. marked 1/4 S 24 B.T.

49.00 Nfs of sand ridge 20 ft. high bears N 40° W. and S 40° E. desc.

71.00 Dry ravine Course N.W. asc.

73.00 Nfs of sand ridge 15 ft. above ravine bears N 60° W

BOOK 2582

and S 60° E. dese., Lears timber bears N 35° W. and S 35° E.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of Sees. 13, 14, 23 and 24. marked on brass Cap T 25 N. S 14 in NW. R 20 E. S 13 in NE. S 24 in SE. and S 23 in SW. quadrant. Dig pits 18 x 18 x 12 ins in each sec. 5½ 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.

S 89° 55' E on a random line bet. Sees. 13 and 24.

40.00 Set temp. ¼ sec. cor

80.14 Intersect the 5th Guide meridian East 8 lks. N. of recently established by me & described in Standard Book "J" the cor. of Sees. 13, 18, 19 and 24, Thence Run
N 89° 52' W. on a true line bet. Sees. 13 and 24.
Over rolling sandy land through scattering cedar timber and bunch grass

20.00 Lears rolling land bears N and S, Enter hilly land bears N and S., dese. W. slope.

29.65 Foot of descent in dry ravine Course S 30° W. asc.

40.07 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass Cap. ¼ S 13 on N. half and S 24 on S. half., from which.
A cedar 6 ins. in diam. bears N 10¾° W 289 lks. dist. marked ¼ S 13 B.T. and
A cedar 10 ins. in diam. bears S 53° W 88 lks. dist. marked ¼ S 24 B.T.

46.00 Nop of divide bears N 35° E. and S 35° W. dese. SW. slope

53.75 Wish edge of mesa bears NW. and SE. descend abruptly over SW. slope.

63.50 Foot of abrupt descent in dry ravine on foot of mesa. Course N. 40° W. asc.

69.00 Nop of Stony ridge 20 ft. above ravine bears NW. and SE. dese.

72.00 Lears timber bears N and S.

80.14 The cor. of Sees. 13, 14, 23 and 24, hereinbefore described.
Land rolling and hilly.
Soil sandy and stony 3rd rate.
Timber Cedar.

Chains

Subdivision of Ns 25 N. R 20 E.

7

N 0° 01' W. bet. secs. 13 and 14.
Descend N.W. slope over rolling sandy Land. through scattering sage brush underg rowth and bunch grass.
40.00 Set an iron post. 3 ft. long. 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 14 on W. half and S 13 on E. half., from which.
A lone Cedar 20 ins. in diam. bears N 21° E 4 46 lks. dist. marked ¼ S 13 B.T. No other trees available
Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high. W. of cor.
NOTE Ah this cor'd set off 22° 44' N. on the decl. arc and ah. noon observed the sun on the meridian and obtained on the lat. arc a reading of 35° 33½' N.
44.00 Enter scattering Cedar timber bears N 60° W and S 60° E.
80.00 Set an iron post. 3 ft. long. 2 ins. in diam. 24 ins. in the ground for Cor. of secs. 11, 12, 13 and 14, marked on brass Cap T 25 N. S 11 in N.W., R 20 E, S 12 in N.E. S 13 in S.E. and S 14 in S.W. quadrants. from which.
A Cedar 18 ins. in diam. bears S 67° E 110 lks. dist. marked T 25 N. R 20 E S 13 B.T.
A Cedar 15 ins. in diam. bears S 10° W 313 lks. dist. marked T 25 N. R 20 E S 14. B.T. and
A Cedar 10 ins. in diam. bears N 83½° W 379 lks. dist. marked T 25 N. R 20 E. S 11 B.T. No other trees available.
Dig pit. 36 x 36 x 12 ins. in sec. 12. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.
Land rolling.
Soil Sandy 3rd rate.
Timber Cedar

S 89° 52' E on a random line bet. secs. 12 and 13.
40.00 Set temp. ¼ sec. Cor.
80.04 Intersect the 5th Guide Meridian East, 5 lks. N. of the Cor. of secs. 7, 12, 13 and 18, recently established by me & described in Standard Book "J" Thence from
N 89° 50' W. on a true line bet. secs. 12 and 13
Ascend N.E. slope over rolling sandy land through scattering Cedar timber and bunch grass.
8.35 Pass of sand ridge 10 ft. high. bears N 10° E and S 10° W. dist.
10.50 A points from which. an indian hogan bears S. 5.00 Chs dist.
13.65 A points from which. an Indian hogan bears N. 20 lks dist.

Subdivision of Tp 25 N. R 20 E.

BOOK 2582

Chains	
14.60	A point from which an Indian hogan bears N. 10 lks dist.
40.02	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 12 on N. half, and S 13 on S. half., from which. A Cedar 10 ins. in diam, bears N 12¼° E 242 lks. dist. marked ¼ S 12 B.T. and A Cedar 12 ins. in diam. bears S 14½° W 327 lks. dist. marked ¼ S 13 B.T.
50.00	Land timber bears N 40° W and 340° E.
80.04	The Cor. of secs, 11, 12, 13 and 14, hereinbefore described. Land rolling. Soil Sandy 3rd rate Timber Cedar.

N 0° 01' W. between secs. 11 and 12.
Descend N.W. slope over gently rolling sandy land through scattering cedar timber and brush grass.

10.00 Land timber 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 ¼ sec. cor. marked on brass Cap ¼ S 11 on W. half and S 12, on E half.
Dig pits 8 x 18 x 12 ins N and S. of post 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. W. of Cor.

46.00 Foot of descent in depression bears N.W. and S.E., drains to the N.W. asc. gently over S.W. slope.

74.00 Enter scattering cedar timber bears N.W. and S.E.

75.00 Top of sand Ridge 10 ft. high bears N 40° W and 340° E desc over N.E. 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 25 N. S 2 in N.W. T 20 E S 1 in N.E. S 12 in S.E. and S 11 in S.W. quadrants. from which.
A Cedar 6 ins. in diam. bears S 17° E 227 lks. dist. marked T 25 N. R 20 E, S 12 B.T. and.
A Cedar 6 ins. in diam. bears S 77¼° W 305 lks. dist. marked T 25 N. R 20 E, S. 11 B.T.
No other trees available.
Dig pits 24 x 24 x 12 ins in each sec. N.E. and N.W. of post 5½ ft. dist. and raise a mound of earth 4 ft. base

Chains

2 ft. high. W. of cor
Land rolling.
Soil sandy 3rd rate.
Timber Cedar.

June 17th 1910

June 14th 1910 At. 7h 30m a.m. l.m. I reach ff. 35° 35' N. on the lat. arc 23' 15½' N. on the decl. arc and determined a meridian with the solar at. the cor. of secs. 1 2. 11 and 12, hereinbefore described Thence I run

S 89° 50' E on a random line bet. secs. 1 and 12.

40.00 Set temp. ¼ sec. cor.

80.02 I intersect the 5th Guide Meridian East., 8 lks. S. of the cor. of secs. 1. 6. 7 and 12, recently established by me & described in Standard Book "J" Thence I run

N 89° 51' W. on a true line bet. secs 1 and 12.

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

40.01 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap. ¼ S 1 on N. half. and S 12 on S. half.
Dig pits 18 x 18 x 12 ins. E and W. of post. 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. N. of cor.

76.00 Enter scattering cedar timber bears N.W. and S.E.

80.02 The cor. of secs. 1, 2. 11 and 12, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
Timber Cedar

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

40.00 Set temp. ¼ sec. cor.

79.76 I intersect N. bdry. of Twp. 8 lks. W. of the cor. of secs. 1, 2, 35 and 36, recently estab. by me & described in Exterior Book "D" Thence I run

S 0° 02' W. on a true line bet. secs. 1 and 2.

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

39.76 Set an iron post 3 ft. long 1 in in diam 26 ins. in the ground for ¼ sec. cor. marked on brass cap.

Subdivision of Pp 25 N., R 20 E.

BOOK 2582

¼ S 2. ow W. half, and S 1 ow E. half.
Dig pits 18 x 18 x 12 ins. N and S. of posh. 3 fh. dist. and raise a mound of earth 3½ fh. base 1½ fh. high. W. ℄ cor

54.20 Dry sand wash 15 lks. wide 4 fh. deep course N.W. ascend gently over N. slope.

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

June 14th 1910

This 8th day of June 1910. I employ Jack Nez. to perform the duties of Axman, No officer authorized to administer oaths, other than myself being available without great inconvenience & delay and expense I administer the required preliminary oath

Sidney E Blouk
U.S. Examiner of Surveys

Ah. 7h 30m a.m., June 8th I obs. alt. 35° 30½' N. ow the lah, are 22° 49½' N. ow the decl. arc, and determined a meridian with the solar ab. the Standard Cor. of Secs 34 and 35, recently re-established by me & described in Standard Book "H"
Turned Drum
N 0° 01' W. lch. Secs. 34 and 35
Over rolling sandy mesa land through scattering sage and greasewood brush undergrowth and bunch grass

40.00 Set an iron posh. 3 fh. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 34 ow W. half and S 35 ow E half.
Dig pits 18 x 18 x 12 ins N and S. of posh. 3 fh. dish, and raise a mound of earth 3½ fh. base 1½ fh. high. W. of cor

75.00 Head of dry ravine Course N 35° E. arc.

80.00 Set an iron posh 3 fh. long 2 ins. in diam. 24 ins. in the ground for Cor. of Secs. 26, 27, 34 and 35 marked on brass Cap T 25 N. S 27 in N.W., R 20 E S 26 in N.E. S 35 in S.E. and S 34 in S.W. quadrant, from which A low Cedar 14 ins. in diam. bears N 31¾° E 313 lks. dist. marked T 25 N. R 20 E S 26 B.T.

Subdivision of Tp 25 N., R 20 E

11

Chains	
	Raise a mound of stone 2 ft. base, 1½ ft. high. W. ¼ cor.
	Pits impracticable
	Land rolling.
	Soil sandy 3rd rate.
	No timber

	S 89° 57' E on a random line bet. secs. 26 and 35
40.00	Set temp. ¼ sec. Cor.
80.08	Intersect N and S. line 12 lks. S. of the cor. of secs. 25, 26, 35 and 36, hereinbefore described. Thence S. run N 89° 56' W on a true line bet. secs. 26 and 35
	Ascend S.E. slope over rolling and hilly sandy mesa land through scattering cedar timber and bunch grass.
13.00	Top of divide 100 ft. above Cor. bears N 40° E and S 40° W descend steeply over N.W. slope
40.04	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. Cor. marked on brass cap. ¼ S 26 on N. half and S 35 on S. half. from which. A pinion pine 8 ins. in diam. bears W 80½° W 166 lks. dist. marked ¼ S 26 B.T. and
	A Cedar 10 ins. in diam. bears S 24¼° W 92 lks. dist. marked ¼ S 35 B.T.
44.00	Dry ravine 30 ft. below ¼ sec. Cor. Course N. 50° W. asc.
46.00	Top of ridge bears N and S. desc.
49.50	Dry ravine Course N. asc
50.60	Top of rocky ridge bears N and S. desc.
51.50	Dry ravine 10 lks. wide Course N 30° E. asc.
63.00	Leave timber bears N.W. and S.E.
71.00	Top of ridge bears N 25° E and S 25° W. desc.
78.00	Head of dry ravine Course N.E. asc.
80.08	The Cor. of secs. 26, 27, 34 and 35, hereinbefore described.
	Land rolling and hilly.
	Soil sandy and stony 3rd rate.
	Timber pinion pine and cedar.

	N 0° 01' W. bet. secs. 26 and 27.
	Ascend S.E. slope over hilly sandy mesa land through sage brush undergrowth and bunch grass
5.00	Top of sandy ridge bears N.E. and S.W., Enter scattering

BOOK 2582

Cedar timber bears E and W. dec.

39.05 North edge of Mesa bears N 40° W and S 40° E descend steep N.E. slope

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass Cap 1/4 S 26 on W. half and S 26 on E. half., from which A Cedar 8 ins. in diam. bears N 64½° W 72 lks. dist, marked 1/4 S 27 B.T.
A Cedar 14 ins. in diam. bears N 78½° E 59 lks. dist marked 1/4 S 26 B.T.

51.00 Foot of steep descent. Leave timber bears N.E. and S.W. descend gradually.

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 25 N. S 22 in N.W. T 20 E. S 23 in N.E. S 26 in S.E. and S 27 in S.W. quadrant. Raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable
Land hilly and broken.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar

S 89° 56' E on a random line bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. Cor.

79.96 Intersect N and S. line 5 lks. S. of the Cor. of secs. 23 24, 25 and 26, hereinbefore described thence Run
N 89° 58' W. on a true line bet. secs. 23 and 26.
Over rolling sandy land sloped to the N.W., through scattering Sage and greasewood brush undergrowth and bunch grass.

5.00 Foot of gradual descent. in dry wash 20 lks. wide Course N.W., Leave rolling land bears N.W. and S.E. Enter hilly land and scattering Cedar timber bears N.W. and S.E. asc N.E. slope

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

29.00 Leave timber bears N 30° W. and S 30° E

32.00 Foot of descent in depression bears N and S., drains N asc.

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 23 on N. half and S 26 on S. half.

Deg pits 18 x18x12 ins. E and W. of pork. 3 lk. dist. and raise a mound of earth 3½ lk. base, 1½ lk. high N. of cor

41,00 Wp of said ridge 15 lk. above cor. bears N and S. dec

53,70 Dry sand wash 10 lks. wide 1 lk. deep Course N. and.

57,00 Wp of sand ridge bears N and S. dec.

79,96 The Cor. of secs. 22, 23, 26 and 27, hereinbefore described. Land rolling and hilly.
Soil sandy 3rd rate.
Timber Cedar

NOTE Clouds obscure the sun at noon today rendering an observation for latitude with the solar impossible

June 8th 1910.

June 13th 1910 At. 7h 45m a m. D sch off. 35°32' N. on the Lat. arc 23°12' N on the decl. arc and determine a meridian with the solar at the cor. of secs 22. 23. 26 and 27 hereinbefore described. Thence I run

N 0°01' W. bet. secs. 22 and 23.

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

40,00 Set an iron post 3 lk. long 1 in. in diam. 26 ins in the ground for ¼ sec. Cor. marked on brass Cap ¼ 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 lk. dist and raise a mound of earth 3½ lk. base 1½ lk. high W. of cor.

77,30 Road from Holbrook Arizona to Pollacca Arizona bears N.30° W and S 30° E.

80,00 Set an iron post 3 lk. long 2 ins. in diam. 24 ins in the ground for Cor. of secs. 14, 15, 22 and 23. marked on brass Cap T 25 N. S 15 in N.W. R20E S14 in N.E. S23 in S.E and S 22 in S.W. quadrant. from which.
A Cedar 14 ins. in diam. bears N 76½° W 37 lks. dist, marked T 25 N. R20E. S15 B.T., No other trees available,
Dig pits 24 x 18 x 12 ins in each sec. N.E. S.E. and S.W. of post. 5½ lk. dist and raise a mound of earth.

BOOK 2582

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 bch. secs. 14 and 23
40.00 Set temp. 1/4 sec. cor.
80.02 Intersect N and S line 3 lks. S. of the Cor. of secs. 13, 14, 23 and 24, hereinbefore described. Thence S run
N 89° 59' W. on a true line bch. secs. 14 and 23
Descend S.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass
40.01 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 14 on N. half and S 23 on S. half., from which A Cedar 16 ins. in diam. bears N 22° E 70 lks. dist. marked 1/4 S 14 B.T. and
A Cedar 8 ins. in diam. bears S 86 1/2° E 43 lks. dist marked 1/4 S 23 B.T.
53.15 Dry sand wash 60 lks. wide Course N. 25° W. asc. gradually over N.E. slope
80.02 The Cor. of secs. 14, 15, 22 and 23, hereinbefore described.
At this Cor I set off 23° 12 1/2' N. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 33' N.
Land rolling
Soil sandy 3rd rate.
Timber scattering Cedars near 1/4 sec. cor.

N 0° 01' W. bch. secs. 14 and 15.
Descend N.E. slope over gently rolling sandy land. through scattering sage and greasewood brush undergrowth and bunch grass.
29.00 Dry sand wash 100 lks. wide Course N 25° 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 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. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

Chains

Subdivision of Tp 25 N., R 20 E. 15

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of Secs. 10, 11, 14 and 15 marked on brass Cap. T 25 N. S 10 in N.W. T 20 E S 11 in N.E. S 14 in S.E. and S 15 in S.W. quadrant.
Dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of Cor.
Land rolling.
Soil sandy 3rd rate.
No timber

S 89° 59' E on a random line bet. Secs 11 and 14
40.00 Set temp. ¼ sec. cor.
79.96 Intersect N and S. line at the Cor. of secs. 11, 12, 13 and 14 hereinbefore described Thence S run
N 89° 59' W, on a true line bet. secs. 11 and 14
Ascend gradually E. slope over rolling sandy land. through scattering Cedar timber Sage and greasewood brush undergrowth and bunch grass
5.00 Pass of sandy ridge 10 ft. above Cor. bears N. and S. dists.
7.00 Cedar timber 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 ¼ sec. Cor. marked on brass cap ¼ 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. dist. and raise a mound of earth 3½ ft. base 1½ ft. high. N. of Cor.
79.96 The Cor. of secs. 10, 11, 14 and 15, hereinbefore described.
Land rolling
Soil sandy 3rd rate.
Timber Cedar.

June 13th 1910

June 14th 1910. At 10h 30m a.m. I set off 35° 34' N. on the lat. arc 23° 15½' N. on the decl arc. and determine a meridian with the solar at the Cor. of secs. 10, 11, 14 and 15 hereinbefore described Thence S run
N 0° 01' W. bet. secs. 10 and 11,
Descend N. slope over rolling sandy land through scattering Sage and greasewood brush undergrowth and bunch grass.

16 Chains

Subdivision of Wp 25 N., R 20 E.

BOOK 2582

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

80.00 Set an iron post 3 ft. long 2 ins in diam 24 ins in the ground for cor. of secs. 2, 3, 10 and 11 marked on brass cap T 25 N. S 3 in N.W. R 20 E S 2 in N.E. S 11 in S.E. and S 10 in S.W. quadrant.
Dig pits 18 x 18 x 12 ins. in each sec, 5½ ft. dist, and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land rolling.
Soil sandy 3rd rate.
No timber

S 89° 59' E on a random line bet. secs. 2 and 11

40.00 Set temp. ¼ sec. cor.

79.86 Intersect N and S. line 8 lks. S. of the cor. of secs. 1, 2, 11 and 12, hereinbefore described. Thence S run S 89° 58' W. on a true line bet. secs. 2 and 11.
Descend N.W. slope over gently rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

39.93 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap. ¼ 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 3½ ft. base 1½ ft. high. N. of cor.

44.00 Rock of descent in depression bears N.W. and S.E. drains to the N.W. ascend gradually over N.E. slope.

79.86 The cor. of secs. 2, 3, 10 and 11, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
No timber
This 14th day of June 1910 Set off 23° 15½' N. on the decl. arc and at noon observed the sun on the meridian at the ¼ sec. Cor. bet. secs. 2 and 11, above described. The resulting latitude being 35° 35' N.

Subdivision of Wp 25 N., R 20 E.

Claims 19

marked 1/4 S 34 B.T.
Ah this Cor Desh off 22°55' N. on the decl. arc and ah noon observed the sun on the merid an and obtain on the lab. arc a reading of 35-31½' N.,
44.30 Leave timber bears N. and S.
65.55 Dry sand wash 30 lks. wide 3 fh. deep Course N.W. ascend gradually
80.00 The Cor. of secs. 27, 28, 33 and 34, hereinbefore described
Land rolling and broken.
Soil Sandy and stony 3rd and 4th rate,
Timber Cedar

N 0°02' W. bet. secs. 27 and 28.
Descend N. slope over hilly sandy land through scattering sage and greasewood brush under growth and bunch grass
24.55 Dry sand wash 20 lks. wide 2 fh. deep Course N 40° E. ascend S.E. slope
29.00 Enter scattering Cedar timber bears N.E and S.W.
30.75 Nop of sand ridge bears E and W. desc
35.00 Dry sand wash 10 lks. wide 2 fh. deep. Course S 70° E asc. S.W. slope
40.00 Set an iron post 3 fh. 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., from which. A Cedar 10 ins. in diam, bears N 58½° W, 33 lks. dist marked 1/4 S 28 B.T. and
A Cedar 12 ins. in diam. bears S 26¾° E 59 lks. dist. marked 1/4 S 27 B.T.
44.00 Nop of sand ridge 25 fh. above Cor. bears N.E and S.W. desc.
50.35 Dry sand wash 30 lks. wide. 2 fh. deep Course N. 60° E. asc.
56.65 Nop of sand ridge bears E and W. desc.
66.00 Dry sand wash 20 lks wide 1 fh. deep Course E.
67.50 Leave timber bears E and W.
75.00 Nop of Mesa bears N.E and S.W. Enter rolling sandy land
80.00 Set an iron post 3 fh. 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 20 E S 22

BOOK 2582

in N.E. S 27 in S.E. and S 28 in S.W. quadrants.
from which.
A Cedar 12 ins. in diam. bears S 56½° W. 145 lks.
dist. marked T 25 N. R 20 E, S 28 B.T.
A Cedar 7 ins. in diam. bears N. 43½° W 180 lks.
dist, marked T 25 N. R 20 E S 28 B.T.
No other trees available
Raise a mound of stone 2 ft. base 1½ ft. high W.
of cor. Pits impracticable.
Land hilly.
Soil sandy and stony 3rd rate.
Timber Cedar.

S 89° 53' E on a random line bet. secs 22 and 27
40.00 Set temp ¼ sec. cor.
79.88 Intersects N and S. line at the Cor. of secs. 22. 23. 26 and 27, hereinbefore described. Thence I run
N 89° 53' W. on a true line bet. secs. 22 and 27.
Ascend S.E. slope over rolling sandy land, through scattering Sage and greasewood brush undergrowth and bunch grass.
39.94 Set an iron post 3 ft. long 1 in in diam. 26 ins. in the ground for ¼ sec. Cor. marked on brass cap. ¼ S 22 on N. half and S 27 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 3½ ft. base 1½ ft. high. N. of Cor.
64.00 Reach S. Mesa, leave rolling land bears N 20° E and S 20° W., Enter broken Stony hilly land bears N 20° E. and S 20° W. Ascend abruptly over S.E. slope.
73.95 Pass S. of ascend on E. edge of Mesa. 200 ft. above ¼ sec. cor., bears N 20° E and S 20° W, Leave broken stony hilly land, Enter rolling sandy mesa land.
79.88 The Cor. of secs. 21, 22, 27 and 28, hereinbefore described.
Land Rolling. hilly and broken.
Soil sandy and Stony 3rd and 4th rate.
No timber

June 9th 1910.

June 15th 1910. At 7h 00m a.m. Set. Lat. 35° 32' N.

on the lab. arc. 23° 19' N. on the decl. arc and determine a meridian with the cedar on the cor. of secs. 21, 22, 27 and 28, hereinbefore described Thence Drun N. 0° 02' W. beh. secs. 21 and 22.
Over rolling sandy mesa land, through sage and greasewood brush, undergrowth and bunch grass
34.20 W/p of high divide bears E and W. descend gradually over N. slope
40.00 Set an iron post 3 ft. long, 1 in. in diam 26 ins in the ground for 1/4 sec. cor. marked on brass Cap 1/4 S 21 on W. half and S 22 on E. half
Dig pits 18 x 18 x 12 ins N and S. of post. 3 ft. dist and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
68.20 North edge of mesa bears E and W., Bears rolling sandy land bears E. and W. Enter stony mountainous land bears E. and W., descends abruptly over N. slope of mesa
71.50 Enter scattering cedar timber bears E. and W.
80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 15, 16, 21, and 22 marked on brass Cap T 25 N., S 16 in N.W., R 20 E. S 15 in N.E., S 22 in S.E. and S 21 in S.W. quadrants from, which
A Cedar 10 ins. in diam bears N 25 3/4° E 121 lks dist. marked T 25 N. R. 20 E S 15 B.T.
A Cedar 8 ins. in diam. bears S 63 1/2° E 97 lks dist. marked T 25 N., R 20 E S 22 B.T.
A Cedar 8 ins. in diam bears S 64 1/2° W 36 lks. dist marked T 25 N. R 20 E S 21 B.T. and
A Cedar 7 ins. in diam bears N 34° W 185 lks. dist. marked T 25 N. R. 20 E S 16 B.T.
Land rolling and mountainous.
Soil Sandy and Stony 3rd and 4th rate.
Timber Cedar
Mountainous land 11.80 chs.

S 89° 53' E on a random line beh. secs. 16 and 22.
40.00 Set temp 1/4 sec. cor.
79.98 Intersect N and S. line 5 lks. E. of the cor. of secs 14, 15, 22 and 23, hereinbefore described Thence Drun

BOOK 2582

	N 89° 55' W. on a true line bet sects. 15 and 22. Ascend N.E. slope over rolling sandy land through scattering sage and greasewood brush. undergrowth and bunch grass.
4.00	Enter scattering cedar timber bears NE and SW.
39.99	Set an iron post 3 ft. long 1 in. in diam, 26 ins. in the ground for ¼ sec. Cor. marked on brass cap. ¼ S 15 on N. half and S 22 on S. half., from which A cedar 12 ins. in diam bears N 62½° E 427 lks. dist. marked ¼ S 15 B.T. and A cedar 8 ins. in diam. bears S 14° W 360 lks. dist. marked ¼ S 22 B.T.
45.42	Road from Holbrook Arizona to Polacca Arizona bears N 60° W and S 60° E.
60.00	Top of Stony ridge bears N and S., Leave rolling land bears N. 60° W and S 60° E., Enter stony mountainous land bears N 60° W. and S 60° E. desc SW. slope
69.00	Dry ravine course N. asc.
76.75	Top of Stony spur bears N and S. desc. abruptly
79.98	The Cor. of sects, 15, 16, 21 and 22, heretofore described Land rolling and mountainous Soil sandy and stony 3rd and 4th rate. Timber Cedar Mountainous land. 19.98 Chs.

	N 0° 02' W. bet. sects. 15 and 16. Descend steep rocky N. slope of Mesa over mountainous land, through scattering cedar timber.
7.00	Top of steep rocky descent., Leave mountainous land and timber bears E and W. Enter rolling land and sage brush. undergrowth bears E and W. descend gradually over N.E. slope.
16.60	Road from Holbrook Arizona to Polacca Arizona bears E and W.
34.50	Dry sand wash. 15 lks wide. 2 ft. deep course N. 40° E.
40.00	The point for the ¼ sec. cor. falls in the bed of dry sand wash. 10 lks. wide 1 ft. deep. where natural causes would insure the destruction of the Cor., therefore I continue my line and ab-

Chains

41.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground, for witness Cor. to the ¼ sec. cor. marked on brass Cap. T 25 N, R 20 E S 16 on W. half. S 15 on E half. and W.C ¼ in S. half.
Raise a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable

NOTE— At this Cor. I set off 23° 18½' N on the declination and at noon observed the sun on the meridian the resulting latitude being 36° 33½' N.

42.50 Top of a ridge 10 ft. above witness cor. bears N 40° E and S 40° 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. 9, 10, 15 and 16. marked on brass Cap T 25 N. S 9 in N.W., R 20 E S 10 in N.E. S 15 in S.E. and S 16 in S.W. quadrants. Dig pits 18 x 18 x 12 ins. in each. sec. 5½ ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor.
Land rolling and mountainous.
Soil sandy and stony 3rd and 4 11/11 rate.
Timber Cedar.
Mountainous land 7.00 Chs.

S 89° 55' E on a random line bet. secs, 10 and 15

40.00 Set temp ¼ sec. Cor.

80.02 Intersect N and S. line 5 lks. N. of the cor. of secs. 10, 11, 14 and 15, hereinbefore described. Thence I run N 89° 53' W. on a true line bet. secs. 10 and 15
Descend N.W. slope over rolling sandy land through scattering Sage and greasewood brush undergrowth and bunch grass

40.01 Set an iron post 3 ft. long 1 in in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass Cap ¼ S 10 on N. half and S 15 on S. half.
Dig pits 18 x 18 x 12 ins. E and W. of post. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high. W. of cor

80.02 The Cor of secs. 9, 10, 15 and 16, hereinbefore described.
Land rolling

BOOK 2582

Soil sandy 3rd rate
No timber

N 0° 02' W. bet. secs. 9 and 10
Ascend gently over S.E. slope through scattering sage and greasewood brush undergrowth and bunch grass

17.00 N pt of sand ridge 16 ft. high. bears E and W desc. N. slope

40.00 Set an iron post 3 ft. long 1 in in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 9 on W. half and S 10 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.

46.50 Dry sand wash 10 lks. wide 1 ft. deep Course N.W.

77.35 Old road bears NE. and SW.

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 25 N. S 4 in N.W., R 20 E S 3 in N.E. S 10 in S.E. and S 9 in S.W. quadrant.
Dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.
Land Rolling,
Soil Sandy 3rd rate.
No timber

June 16th 1910

June 17th 1910, Ch. 7h 30m a.m. Set off 35° 35' N. on the Lab. arc. 23° 23 1/2' N. on the decl arc and determine a meridian with the solar ab. the cor. of secs. 3, 4, 9 and 10, hereinbefore described thence run

S 89° 53' E. on a random line bet. secs. 3 and 10.

80.06 Intersect N and S. line 5 lks. S. of the cor. of secs. 2, 3, 10 and 11, hereinbefore described thence run.

N 89° 55 W. on a true line bet. secs. 3 and 10
Ascend N.E. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.

8.00 Post of. sand ridge 10 ft. high bears N. 70° W and S 70° E dist.

40.03 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 3 on N. half and S 10 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 3½ ft. base, 1½ ft. high. N. of cor.

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

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

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

N 0° 02' W. on a random line between secs. 3 and 4

40.00 Set temp ¼ sec. cor.

79.80 Intersect N. bdy. of Pl. 5 lks. W. of the cor. of secs 3, 4, 33 and 34 (recently estab. by me & described in Exterior Book "D") Thence S. on

South. on a true line between secs. 3 and 4.
Descend S. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

30.00 Pass of. descend. leave rolling land bears E and W enter level land bears E and W.

37.00 Old road bears E. and W.

39.80 Set an iron post 3 ft. long 1 in. in diam. 26 ins in the ground for ¼ sec. cor. marked on brass cap. ¼ 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. dist and raise a mound of earth 3½ ft. base. 1½ ft. high. W. of cor.

42.00 Dry sand wash 15 lks. wide 1½ ft. deep Course W. bears level land bears E and W. enter rolling land bears E and W. ascend gradually over N.E. slope

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

June 17th 1910

BOOK 2582

June 10th 1910. At 8h 00m a.m. I set Sch. Lf. 35° 30½' W. on the Lab. arc 225 9½' N. on the decl. arc. and determine a meridian with the Solar at the Standard Cor. of. recently re-established by me
secs 32 and 33. on S. bdry. of Tp., & described in Standard Book "H"
Thence Drum
N 0° 03' W. Lch. secs. 32 and 33.
Descend N.E. slope over rolling, sandy mesa land through scattering sage and greasewood brush under-growth and bunch grass

22.00 Enter scattering Cedar and pinion pine timber bears N 60° E and S 60° W.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins in the ground for ¼ sec. cor. marked on brass Cof. ¼ S 32 on W. half and S 33 on E. half., from which.
A Cedar 7 ins. in diam. bears S 56° E 81 lks. dist. marked ¼ S 33 B.T. and
A Cedar 12 ins. in diam. bears S 11° W 204 lks. dist. marked ¼ S 32 B.T.

54.00 Dry ravine 10 lks wide 1 ft. deep Course N 40° W. arc.

58.60 Top of sand ridge 20 ft. above ravine bears E and W. desc.

59.70 Dry ravine 25 lks. wide 6 ft. deep Course W. arc.

63.00 Dry ravine 15 lks. wide 2 ft. deep. Course S 40° W. arc.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor of secs. 28. 29. 32 and 33. marked on brass Cof T 25 N. S 29 in N.W., R 20 E. S 28 in N.E. S 33 in S.E. and S 32 in S.W. quadrant. from which.
A Cedar 12 ins. in diam. bears N 77¼° E 235 lks. dist. marked T 25 N. R 20 E S 28 B.T.
A Cedar 7 ins in diam. bears S 48½° E 144 lks. dist. marked T 25 N., R 20 E S 33 B.T.
A Cedar 18 ins. in diam. bears S 66¼° W 47 lks. dist. marked T 25 N., R 20 E, S 32 B.T. and
A Cedar 14 ins. in diam. bears N 29¾° W 151 lks. dist marked T 25 N. R 20 E, S 29 B.T.
Land rolling
Soil sandy 3rd rate.
Timber Cedar and pinion pine.

S 89° 51' E on a random line Lch. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

80.06 Intersect N and S. line 5 lks. W of the Cor of secs

Chains	
	hereinbefore described 27. 28. 33 and 34, Thence Run
	N 89° 49' W. on a true line bet. secs. 28 and 33.
	Ascend gradually, N.E. slope over rolling sandy land
	through scattering sage and greasewood brush
	undergrowth and bunch grass.
36.00	Leave rolling land bears N. and S. Enter hilly land
	bears N and S. ascend steep E slope of mesa.
38.35	Top of steep ascent on E. edge of mesa bears N. and
	S. ascend gradually, Enter scattering cedar and
	pinion pine timber bears N and S.
40.03	Set an iron post 3 ft. long, 1 in. in diam. 26 ins
	in the ground for 1/4 sec Cor. marked on brass Cap.
	1/4 S 28 on N. half and S 33 on S half.
	A Cedar 8 ins. in diam. bears N 55° W 50 lks dist. mkd. 1/4 S 28 B.T.
	A Cedar 16 ins. in diam bears S 52° W 68 lks. dist. mkd 1/4 S 33 B.T.
63.60	Top of stony ridge bears N. and S. desc. W. slope
72.50	Dry rocky ravine 50 ft. below top of ridge Course S 30° W.
	desc.
80.06	The Cor. of secs. 28. 29. 32 and 33, hereinbefore described.
	Land rolling and hilly.
	Soil sandy and stony 3rd and 4th rate.
	Timber pinion pine and cedar.

	N 0° 03' W bet secs. 28 and 29,
	Ascend S.E. slope over hilly sandy and stony land
	through scattering pinion pine and cedar timber
2.00	Top of ridge 40 ft. above Cor. bears N. 30° E and S 30° W
	desc.
6.35	Dry ravine Course S 40° W. asc
14.65	A Cave bears W. 45 lks. dist.
18.25	Top of ridge bears E and W. desc.
23.00	Foot of descent in depression bears N.W and S.E.
	drains to N.W. asc
33.15	Brush fence bears N.E. and S.W.
40.00	Set an iron post 3 ft. long 1 in. in diam. 26 ins.
	in the ground for 1/4 sec. cor. marked on brass
	Cap 1/4 S 29 on W half and S 28 on E half. from which
	A Cedar 4 ins. in diam bears N 73° E 36 lks. dist. marked
	1/4 S 28 B.T.
	A Cedar 5 ins. in diam bears S 12 1/2° W 85 lks. dist.
	marked 1/4 S 29 B.T.

Subdivision of T. 25 N., R. 20 E.

BOOK 2582

At this 1/4 sec. cor. Dsch off 23° 00' N. on the decl. arc and ob. noon observ the sun on the meridian the resulting lat. being 35° 32' N.

43.35 N. of ridge bears N 85° W and S 85° E. desc. N.E. slope over broken stony land.

80.00 Sch 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., R 20 E S 21 in N.E. S 28 in S.E. and S 29 in S.W. quadrants; from which
A cedar 10 ins. in diam. bears N 22½° E 80 lks. dist. marked T 25 N. R 20 E, S 21 B.T.
A cedar 8 ins. in diam. bears S 77¾ E 248 lks. dist. marked T 25 N. R 20 E S 28 B.T.
A cedar 10 ins. in diam. bears S 28° W 136 lks. dist. marked T 25 N. R 20 E. S 29 B.T. and
A cedar 24 ins in diam. bears N 79° W 115 lks. dist. marked T 25 N. R 20 E. S 20 B.T.
Land hilly and broken.
Soil sandy and stony 3rd and 4th rate.
Timber pinion pine and cedar

S 89° 49' E on a random line bet. secs. 21 and 28.

40.00 Sch temp. 1/4 sec. cor.

80.10 Intersect N. and S. line 4 lks. S. of the Cor. of secs. 21 22. 27 and 28, hereinbefore described Thence S run N 89° 51' W. on a true line bet. secs. 21 and 28. Over rolling sandy mesa land through scattering cedar and pinion pine timber, and bunch grass.

22.00 Begin gradual descent over S.W. slope

31.00 Dry arroyo 10 lks wide Course S., bears rolling land bears N and S. Enter broken hilly land bears N and S. Ascend W. slope

40.05 Sch an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass Cap. 1/4 S 21 on N. half and S 28 on S. half. from which.
A cedar 8 ins. in diam. bears N 15° W 182 lks. dist. marked 1/4 S 21 B.T. and
A cedar 14 ins in diam. bears S 8° E 96 lks. dist. marked 1/4 S 28 B.T.

80.10 The Cor. of secs. 20, 21, 28 and 29, hereinbefore described. Land rolling hilly and broken

Chains

Subdivision of Wp 25 N. R 20 E. 29

Soil sandy and stony 3rd and 4th rate.
Timber pinion pine and cedar

June 10th 1910

June 16th 1910 ah. 7h 15m a.m. I set off. 35° 32' N. ow the lah. arc, 23° 21' N. ow the decl. arc and determine a meridian with the solar ah the Cor. of secs 20, 21, 28 and 29, hereinbefore described Thence I run

N 0° 03' W. bet. secs. 20 and 21.

Descend N.E. slope over hilly sandy land through scattering cedar and pinion pine timber

3.50 Dry ravine 15 ft. below Cor. Course N. 60° E. asc.

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

26.00 Dry ravine Course N.E. asc.

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

37.30 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 1/4 sec. cor. marked on brass Cap 1/4 S 20 on W. half and S 21 on E half. from which.

A cedar 8 ins. in diam bears N 67° W. 84 lks. dist. marked 1/4 S 20 B.T. and

A cedar 7 ins. in diam. bears S 81 3/4° E 93 lks. dist marked 1/4 S 21 B.T.

49.00 Top of stony ridge 40 ft. above Cor. bears N.W. and S.E. desc.

55.00 Lease timber bears N.E. and S.W.

66.55 Dry ravine Course N.W. asc

76.40 Top of Mesa bears E and W. desc. N. slope

78.05 North edge of Mesa bears N 80° W and S 80° E. Lease hilly land bears N.W. and S.E. Enter stony mountainous land bears N 80 W. and S 80° E. desc. abruptly over N slope of mesa

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 25 N. R 17 in N.W. R 20 E S 16 in N.E. S 21 in S.E. and S 20 in S.W. quadrant. Raise a mound of stone 2 ft. base 1 1/2 ft. high. W. of Cor. Pits impracticable.

Land hilly and mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber pinion pine and cedar.

BOOK 2582

Mountainous land 1.95 Chs.

S 89° 51' E on a random line bet. secs. 16 and 21

40.00 Set temp. 1/4 sec. cor.

80.14 Intersect N and S. line 3 lks N. of the cor. of secs. 15, 16, 21 and 22 herein before described A Thence S run

N 89° 50' W. on a true line bet. secs. 16 and 21.

Descend W. slope over stony mountainous land through scattering cedar timber

0.40 Dry ravine 10 ft. below Cor. Course N. ase.

1.50 Top of stony spur 15 ft. above ravine bears N. and S. dese.

7.75 Leave timber bears N 20° E and S 20° W.

26.90 Dry sand wash 30 lks. wide Course N 30° E ase.

40.07 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 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. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor.

60.00 Enter scattering cedar timber bears N.W. and S.E.

66.00 Leave timber bears N. and S. ascend steeply over N.E. slope of mesa.

80.14 The cor. of secs. 16, 17, 20 and 21, hereinbefore described. Land mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar

Mountainous Land 80.14 Chs.

NOTE This 16th day of June 1910 Set Aff. 28° 21' E on the decl. arc and at noon observed the sun on the meridian at the Cor. of secs. 16, 17, 20 and 21 and obtained on the bet. arc a reading of 35° 39' N.

N 0° 03' W. bet. secs. 16 and 17.

Descend abruptly rocky N.E. slope of mesa over mountainous land through scattering sage brush undergrowth and bunch grass

20.70 Road to Spring bears E and W.

21.00 Foot of slope descend. Leave mountainous land bears E and W. Enter hilly land bears E and W. desc. gradually.

Chains — Subdivision of Wp 25 N., R 20 E. — 31

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 17 on W. half and S 16 on E half.
Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high. W. of Cor.
From this Cor a Spring of fresh water bears S 30° 29' W
An Indian Wigwam bears S 36° 35' W.
44.50 Dry sand wash 10 lks wide 1 ft. deep course N 30° E
60.10 Road from Holbrook Arizona to Placca Arizona bears N 60° W and S 60° E.
60.20 Dry sand wash 10 lks. wide course N.W. ass
79.50 Top of ridge bears S 85° W dist.
80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of secs. 8, 9, 16 and 17, marked on brass cap T 25 N. S 8 in N.W. R 20 E S 9 in N.E. S 16 in S.E. and S 17 in S.W. quadrants.
Raise a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
Pits impracticable
Land hilly and mountainous.
Soil sandy and stony 3rd and 4th rate.
No timber
Mountainous land 21.00 Chs.

S 89° 50' E on a random line bet. secs. 9 and 16.
40.00 Set temp. 1/4 sec.
80.20 Intersect N. and S. line at the cor. of secs. 9, 10, 15 and 16, the Fence Drum hereinbefore described
N 89° 50' W. on a true line bet. secs. 9 and 16.
Ascend N.E. slope over rolling sandy land Through scattering sage and greasewood brush undergrowth and bunch grass.
40.10 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 9 on N. half and S 16 on S. half.
Raise a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
47.45 Top of ridge bears N 10° E desc N.W. slope Leave rolling land bears N. and S. Enter hilly land.
65.00 Dry ravine 100 ft. below top of ridge Course.

Subdivision of Mp 25 N. R 20 E.

BOOK 2582

N 20° W. asc.
66.35 Pos of ridge 30 lk. abov raised brass N 10° W. dese
80.20 The Cor. of secs. 8. 9. 16 and 17, hereinbefore described.
Land rolling and hilly.
Soil sandy and stony 3rd rate.
No timber

June 16th 1910

June 17th 1910 Ah. 11h 00m a. m. D Sch. off 35° 34' N. on the lab. arc 23° 23' N on the decl. arc and determine a meridian with the solar ah the Cor. of secs. 8. 9. 16 and 17, hereinbefore described Thence S run
N 0° 03' W. bet. secs. 8 and 9.
Descend N.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass.
38.18 Road to Kearns Canyon Arizona bears N 40° E and S 40° W.
40.00 Set an iron post 3 lk. long, 1 in. in diam. 26 ins. in the ground for 1/4 sec. Cor. marked on brass Cap. 1/4 S 8 on W. half and S 9 on E half.
Dig pits 18 x 18 x 12 ins N and S. of post. 3 lk. dist. and raise a mound of earth 3½ lk. base, 1½ lk. high. W. of Cor.
80.00 Set an iron post 3 lk. long, 2 ins. in diam 24 ins. in the ground for Cor. of secs. 4, 5, 8 and 9, marked on brass Cap + 25 N. S 5 in N.W, R 20 E S 4 in N.E. S 9 in S.E. and S 8 in S.W. quadrants.
Dig pits 18 x 18 x 12 ins. in each sec, 5½ lk. dist and raise a mound of earth 4 lk. base, 2 lk. high. W of Cor.
Land rolling.
Soil sandy 3rd rate.
No timber
NOTE Ah the 1/4 sec. Cor. on this line D Sch off 23° 28' N. on the decl arc and ah noon observe the sun on the meridian and obtain on the lab. arc a reading of 35° 34½' N.

S 89° 50' E on a random line bet. secs. 4 and 9.
40.00 Set temp 1/4 sec. Cor.

Chains

Subdivision of Wp 25 N. R 20 E

80.12 Intersect N and S. line 5 lks. S. of the Cor. of secs. 3. 4. 9 and 10, hereinbefore described Thence S. run N 89°52' W. on a true line bet. secs. 4 and 9. Descend gradually over N. W slope. through scattering sage and greasewood brush undergrowth and bunch grass

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 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. dist and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of Cor.

66.80 Dry sand wash 10 lks. wide Course N 35° W asc. gradually over N.E. slope.

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

---

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

40.00 Set temp. 1/4 sec. Cor.

79.70 Intersect N. bdry. T 19 S. R. 8 W. of the Cor. of secs. 4. 5. 32 and 33, recently established by me & described in Exterior Book "D" Thence S run South. on a true line bet. secs. 4 and 5 Descend gradually over S. slope. through scattering sage and greasewood brush undergrowth and bunch grass

28.35 Dry sand wash 5 lks. wide 1 ft. deep Course W. ascend gradually over N. slope

39.70 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for 1/4 sec. Cor. marked on brass Cap 1/4 S 5 on W. half and S 4 on E half. Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high. W. of Cor.

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

June 17th 1910

Subdivision of Tp. 25 N., R 20 E

Chains

BOOK 2532

June 11th 11 1910 Ah. 7h 45m a.m. Set off 35° 30½' W. on the lab. arc, 23° 04' N. on the decl. arc and determine a meridian with the Solar ah. the Standard Cor. of Secs. 31 and 32. on S. bdry of Tp ; recently re-established by me & described in Standard Book "H"

Three Drun

N 0°03' W. bch. Secs. 31 and 32.

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

18.00 Enter scattering cedar and pinion pine timber bears N 60° W and S 60° E.

26.00 Top of Divide 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 ¼ sec Cor. marked on brass Cap ¼ S 31 on W. half and S 32 on E half., from which. A pinion pine 10 ins. in diam. bears S 75° E 33 lks. dist. marked ¼ S 32. B.T. and A cedar 20 ins in diam. bears N 45¾° W 67 lks. dist. marked ¼ S 31 B.T.

40.10 Dry ravine Course N 25° W asc.

40.40 Top of ridge 5 ft. above ¼ sec. Cor. bears N.E. and S.W desc. gradually over N.W. slope

49.10 Dry ravine 25 lks. Course N 50° W asc.

77.00 Top of stony ridge 150 ft. high. bears E and W. desc. N. slope over hilly land.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of Secs. 29, 30, 31 and 32, marked on brass Cap T 25 N S 30 in N.W. R 20 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 69° E 50 lks. dist. marked T 25 N. R 20 E S 29 B.T.

A cedar 12 ins. in diam. bears S 48° E 68 lks. dist. marked T 25 N. R 20 E S 32 B.T.

A cedar 8 ins. in diam. bears S 48½° W 62 lks. dist. marked T 25 N. R 20 E S 31 B.T. and

A cedar 5 ins in diam. bears N 18½° W 85 lks dist. marked T 25 N. R 20 E S 30 B.T.

Land hilly and rolling

Soil sandy 3rd rate.

Timber pinion pine and cedar.

S 89° 57' E on a random line bet. secs. 29 and 32
40.00 Set temp ¼ sec. cor
80.08 Intersect N and S. line 10 lks N. of the cor. of secs 28. 29. 32 and 33, hereinbefore described. Thence I run
N 89° 47' W. on a true line bet. secs. 29 and 32.
Ascend E slope over stony hilly land through scattering cedar and pine timber and bunch grass
5.00 N of ridge 50 ft. above cor. bears N and S. dec.
24.00 Dry sand wash 100 lks. wide Course N 40° W alc steply.
33.40 N of ridge bears N. and S dec
35.60 Dry ravine 20 lks wide Course N. alc.
40.04 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap ¼ S 29 on N half and S 32 on S half. from which.
A cedar 10 ins. in diam bears N 28½° E 47 lks. dist. marked ¼ S 29. B.T. and
A cedar 8 ins. in diam. bears S 52° W 72 lks. dist. marked ¼ S 32 B.T.
This cor is situated on crest of ridge bears N. and S. dec.
42.35 Dry ravine Course N 35° W alc.
52.50 N of sand ridge bears N and S. dec.
80.08 The cor of secs. 29 30 31 and 32, hereinbefore described.
Land hilly
Soil sandy and stony 3rd and 4th rate.
Timber pine fir and cedar.

N 89° 51' W. on a random line bet. secs 30 and 31
40.00 Set temp ¼ sec. cor.
79.44 Intersect W. bdry of Np 9 lks. S. of the cor. of secs. 25. 30. 31 and 36, recently established by me & described in Exterior Book "E" Thence I run
S 89° 47' E on a true line bet. secs. 30 and 31.
Ascend N.W. slope over rolling sandy land through scattering cedar timber and bunch grass.
13.25 N of sand ridge bears N 35° W and S 35° E. dec.
Land rolling land. Enter hilly land.
33.00 Dry sand wash 30 lks. wide 1 ft. deep. Course N 50° W alc.

BOOK 2582

39.44	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. Cor. marked on brass Cap ¼ S 30 on N. half and S 31 on S half, from which A cedar 10 ins. in diam. bears N 10¾° W 80 lks dist. marked ¼ S 30 B.T. and A cedar 14 ins. in diam. bears S 50° W 130 lks. dist. marked ¼ S 31 B.T.
NOTE	At this Cor. I set off 23° Chg. E to the dec. and at noon observed the sun on the meridian and obtain on the lat. arc. a reading of 35° 31½'.
59.25	Top of round Sandy knoll. dec.
67.00	Dry sand wash 20 lks. wide 3 ft. deep course N 60° W. asc steeply
79.44	The Cor. of secs. 29, 30, 31 and 32 hereinbefore described. Land rolling and hilly. Soil sandy 3rd rate. Timber Cedar.

	N 0° 03' W. bet. secs. 29 and 30. Descend N.W. slope over stony hilly land through scattering cedar timber and bunch grass.
20.00	Leave timber bears E and W.
34.40	Dry sand wash 20 lks. wide 3 ft. deep course N.W. dec. S.W. 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 brass Cap ¼ S 30 on W. half and S 29 on E half. Dig pits 18 x 18 x 12 ins. N and S. of post. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
47.00	Dry sand wash 10 lks wide 2 ft. deep. Course S.W. dec
52.00	Enter scattering cedar timber bears E and W.
74.80	Top of stony ridge bears N.E. and S.W. dec.
76.25	Dry ravine 8 ft. below top of ridge Course S.W. asc.
77.50	Leave timber bears N.E. and S.W.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for Cor. of secs. 19, 20, 29 and 30 marked on brass Cap + 25 N. S 19 in N.W. T 20 E S 20 in N.E. S 29 in S.E. and S 30 in S.W. quadrants.

No trees suitable for bearing trees within limits.
Raise a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
Land hilly.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar

June 11th 1910.

June 18th 1910 Ah. 7 h 00 m a.m. Deh ff. 35°32' N.
ow the lah. arc 23°25' N. ow the decl. aro. and determine a meridian with the polar ah. the cor of secs. 19. 20. 29 and 30 hereinbefore described Thence S run
S89°47' E ow a random line beh. secs 20 and 29.
40.00 Deh temp ¼ sec. cor.
80.04 Intersect N and S. line 3 lks. S. of the cor. of secs 20. 21. 28 and 29 hereinbefore described Thence S run
N89°48' W. ow a true line beh. secs. 20 and 29.
Ascend NE. slope over broken stony hilly land through scattering cedar timber.
23.00 Pass of ridge bears N40°W and S40°E dist
28.00 Cedar timber bears N and S.
40.02 Deh and iron pcah 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked ow brass cap ¼ S20 ow N. half and S29 ow S. half. Dig pits 18x18x12 ins. E and W. of pcah 3 ft. distt. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor
60.00 Enter scattering cedar timber bears N50°W and S50°E.
71.00 Pass of ridge 20 ft. high bears NE. and SW. dist.
73.25 Dry ravine course S40°W. Land timber bears N40°E and S40°W. asc.
75.00 Pass of stony spur bears N40°E and S40°W. dist.
76.70 Dry ravine 50 ft. below top of spur course S30°W. asc.
80.04 The cor. of secs. 19. 20. 29 and 30, hereinbefore described. Land hilly and broken.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.

N89°47' W. ow a random line beh. secs. 19 and 30

38 Chains

Subdivision of Pp 25 N. R 20 E

BOOK 2582

40.00 Sch temp. ¼ sec. cor.

77.32 Intersect W. bdry. of Pp. at the Cor. of secs. 19, 20, 29 and 30, recently established by me & described in Exterior Book "E" thence N

S 89° 47' E on a true line bet. secs. 19 and 30.

Ascend rocky N.W. slope of mesa over mountainous land. through scattering cedar timber

1.50 Leave timber bears N 60° E and S 60° W.

6.00 Pop of steep ascent on W. edge of mesa. Leave stony mountainous land bears N.E and S.W., Enter rolling sandy mesa land bears N.E. and S.W.

18.00 Leave rolling land bears N and S. Enter hilly land. and scattering cedar timber bears N. and S. desc. S.E., slope

34.00 Dry rocky ravine course S 35° E. asc. over ridges and ravines.

39.32 The point for the ¼ sec. cor. falls in bottom of dry ravine 25 lks. wide Course S.E. where natural Causes would insure the destruction of the cor. therefore ob.

38.00 Sch. ac iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for witness cor. to the ¼ sec. cor. marked on brass Cap T 25 N. R 20 E S 19 on N. half. S 30 on S. half and W.C ¼ in E. half, from which. A pinon pine 8 ins. in diam. bears N 37° W 82 lks. dist. marked W.C. ¼ S 19 B.T. and

A pinon pine 12 ins. in diam. bears S 58¾° E 102 lks. dist. marked W.C. ¼ S 30 B.T.

46.00 Pop of stony ridge bears N and S. desc Leave timber bears N and S.

74.70 Dry ravine Course S. asc.

78.25 Pop of stony ridge bears N and S desc. steep E slope

79.32 The Cor. of secs. 19, 20, 29 and 30, heremefore described.

Land broken hilly and mountainous.

Soil sandy and stony 3rd and 4th rate.

Timber Cedar

Mountainous land 6,00 Chs.

N 0° 03' W. bet. secs. 19 and 20.

Ascend S.E. slope over hilly sandy and stony land through scattering sage brush underGrowth and trees

34.00 Pop of divide 200 ft. above Cor. bears N 40 E and S 40 W desc.

38.00 Enter scattering cedar and pinion pine timber bears N 20° W and S 20° E.
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass cap. ¼ S 19 on W. half and S 20 on E half., from which
A Cedar 5 ins. in diam. bears N 34¼° W 40 lks. dist. marked ¼ S 19 B.T. and
A Cedar 8 ins. in diam. bears S 24½° E 28 lks. dist. marked ¼ S 20 B.T.
NOTE At this ¼ sec. cor. I set off. 23° 25' N. on the declare and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 32½' N.
51.00 Dry ravine Course N. 30° W. asc.
54.00 Top of ridge bears N 35° W and S 35° E desc.
58.75 Dry ravine Course S 75° W. asc.
68.00 Top of ridge bears E and W. desc.
75.25 Leave hilly land bears N.E and S.W. Enter stony mountainous land bears N.E. and S.W. desc. steep 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. 17, 18, 19 and 20. marked on brass Cap T 25 N. S 18 in N.W. R 20 E S 17 in N.E. S 20 in S.E. and S 19 in S.W. quadrants. from which
A Cedar 6 ins. in diam. bears N 63° E 114 lks. dist. marked T 25 N. R 20 E S 17 B.T.
A Cedar 10 ins. in diam. bears S 5° E 14 lks. dist. marked T 25 N. R 20 E S 20 B.T.
A Cedar 12 ins. in diam. bears S 65½° W 62 lks. dist. marked T 25 N. R 20 E S 19 B.T. and
A Cedar 6 ins. in diam. bears N 19¾° W 61 lks. dist. marked T 25 N. R 20 E S 18 B.T.
Land hilly and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber pinion pine and cedar
Mountainous land. 4.75 Chs.

S 89° 48' E on a random line bet. secs 17 and 20
40.00 Set temp ¼ sec. cor.
80.12 Intersect N and S. line at the cor of secs. 16, 17, 20 and 21 hereinbefore described
Thence I run

Subdivision of Wp 25 N., R 20 E.

BOOK 2582

N 89°48' W. on a true line beh. secs. 17 and 20
Ascend steep rocky N.E. slope of mesa over mountainous
land through scattering sage and greasewood brush
undergrowth and bunch grass
6,00 W.p. of. spur 100 lks. above cor. bears N 20° W and S 20° E. dist.
15,50 Enter scattering cedar timber bears N.E. and S.W.
21,50 Dry sand wash 50 lks. wide 2 ft. deep course N.W. acr.
24,00 W.p. of. Spur bears N and S. dist.
25,50 Dry rocky ravine course N 30° E. acr.
28,00 W.p. of. spur bears N and S. dist. An Indian Stogon
bears North 4 chs. dist.
34,50 A Spring. bears South, 16 chs. dist.
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 17 on N.
half and S 20 on S. half. from which.
A cedar 8 ins. in diam bears N 44° E 20 lks. dist.
marked 1/4 S 17 B.T. and
A cedar 6 ins. in diam. bears S 68° E 43 lks. dist.
marked 1/4 S 20 B.T.
112,85 Dry ravine course N 50° E. acr.
55,00 W.p. of. Spur bears N and S. dist.
76,60 Dry ravine 15 lks. wide 20 ft. deep course N 40° E acr.
80,12 The Cor. of secs. 17, 18, 19 and 20, hereinbefore described.
Land mountainous.
Soil Stony 3rd and 4th rate.
Timber Cedar.
Mountainous land 80,12 chs.

N 89°47' W. on a random line beh. secs. 18 and 19
110,00 Set temp. 1/4 sec. cor.
79,20 Intersect W. bdry. of Wp. 3 lks. N of the Cor. of secs. 13
recently established by me & described in Exterior Book "E"
18, 19 and 24. Thence Drum
S 89°48' E. on a true line beh. secs. 18 and 19.
Ascend W. slope over rolling sandy land through
scattering sage and greasewood brush undergrowth
and bunch grass.
7,55 Road bears N and S
12,20 Enter scattering cedar timber bears N and S.
15,60 Dry ravine 20 lks. wide 3 ft. deep course N 20° W.
30,80 Ridge 20 ft. high. bears N and S. dist.
34,70 Dry ravine 16 lks. wide course N. Leave rolling
land bears N and S. Enter stony mountainous

Chains

Subdivision of Wp 25 N. R 20 E.

land bears N. and S. acc. W. slope of spur
39.20 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor, marked on brass Cap ¼ S 18 on N. half and S 19 on S. half. from which.
A Cedar 6 ins. in diam bears N 22½° E 37 lks. dist. marked ¼ S 18 B.T. and
A Cedar 7 ins. in diam. bears S 2¼° E 60 lks. dist. marked ¼ S 19 B.T.
41.00 Wp of stony spur 30 ft. above ¼ sec cor. bears N and S. desc. E slope.
56.50 A point from which a house bears N. 6.00 chs dist.
59.00 A point from which a Spring bears S. 4.00 chs. dist.
59.50 Dry ravine 50 lks. wide Course N 15° W. acc steep S.W. slope.
64.60 Wp of steep ascent on W. edge of mesa bears N. and S. beard Mountainous land bears N and S. Enter rolling mesa land bears N and S.
71.30 E edge of Mesa bears N 30° W and S 30° E., leave rolling land bears N 30° W and S 30 E. Enter stony mountainous land bears N 30° W and S 30° E., Desc abruptly over NE slope of mesa.
79.20 The cor. of secs. 17, 18, 19 and 20, hereinbefore described.
Land rolling and mountainous.
Soil sandy and stony 3rd and 4th rate.
Timber Cedar.
Mountainous land 37.80 chs.

June 18th 1910.

June 20th 1910 at 8h 00m a.m. Sch off. 35° 33' N. on the lat. arc, 23° 27' N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 17, 18, 19 and 20 hereinbefore described. Thence Drun
N 0° 03' W. Feb. secs. 17 and 18.
Descend steep rocky N.E. slope of mesa over mountainous land through scattering cedar, pin ber, sage and greasewood brush underground and bunch grass.
6.00 Dry rocky ravine course N. 15° E. acc
11.00 Wp of spur 20 ft. above ravine bears N. 40° E and S 40° W. desc.
29.00 Leave pin ber bears E and W.
40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins

BOOK 2582

	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 fh. dish. and raise a mound of earth 3½ fh. base, 1½ fh. high W. of cor
42.00	Foot of mesa, land mountainous land bears E and W. Enter rolling land bears E and W. desc. gradually.
44.20	Road to Hosteen Nez's house bears E and W.
70.85	Road to Hosteen Nez's house bears N.E and S.W.
80.00	Set an iron post 3 fh. long 2 ins. in diam. 24 ins in the ground for Cor. of Secs. 7. 8. 17 and 18. marked on Brass Cap 1/4 25 N. S 7 in N.W. R 20 E S 8 in N.E. S 17 in S.E. and S 18 in S.W. quadrant. Dig pits 18x18x12 ins. in each sec. 6½ fh. dist. and raise a mound of earth 4 fh. base, 2 fh. high W. of cor. Land rolling and mountainous. Soil Sandy and Stony 3rd and 4th rate. Timber Cedar. Mountainous land. 42.00 chs.
	S 89° 48' E on a random line bet. Secs. 8 and 17
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N and S. line 8 lks. S. of the cor. of secs. 8. 9. 16 and 17, Thence True hereinbefore described
	N 89° 51' W. on a true line bet. secs. 8 and 17 Descend N.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and Bunch grass
7.50	Dry ravine 10 lks. wide Course N 30° W. asc
17.00	Top of sand ridge 10 fh. above ravine bears N and S. desc. gradually
27.25	Road from Holbrook Arizona to Placed Arizona bears N 40° W and S 40° E.
40.00	Set an iron post 3 fh. long 1 in. in diam. 26 ins in the ground for 1/4 sec. Cor. marked on brass Cap 1/4 S 8 on N. half and S 17 on S. half. Dig pits 18x18x12 ins. E and W. of post. 3 fh. dish. and raise a mound of earth 3½ fh. base 1½ fh. high N. of cor.
65.23	Road to Keams Canyon Arizona bears N.E and S.W.

Subdivision of Twp 25 N R 20 E.

Chains 43

Chains	
80.00	The Cor. of secs 7. 8. 17 and 18, hereinbefore described. Land rolling. Soil sandy 3rd rate. No timber.
	N 89° 48' W on a random line bet. secs 7 and 18.
40.00	Set temp. 1/4 sec. cor.
78.98	Intersect W. bdry. of Twp 12 lks S. of the Cor. of secs. 7, 12, 13 and 18, recently established by me & described in Exterior Book "E" Thence S run
	S 89° 43' E on a true line bet. secs 7 and 18. Over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass
38.23	Road from Winslow Arizona to Keams Canyon Arizona bears N 40° E and S 40° W.
38.98	Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass Cop 1/4 S 7 on N. half and S 18 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.
NOTE	Clouds obscure the sun at noon today rendering an observation for latitude impossible.
1898	The Cor. of secs 7. 8 17 and 18; hereinbefore described. Land rolling. Soil sandy 3rd rate. No timber
	N 0° 03 W, bet. secs. 7 and 8. Descend N.W. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass
33.18	Road from Holbrook Arizona to Placed Arizona bears N 40° W. and S 40° 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 Cop 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. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
43.30	Dry sand wash. 10 lks. wide Course N 25° W asc.
62.00	Top of sand ridge 16 ft. high bears N.W. and S.E. Descend gently over N.E. slope.
80.00	Set an iron post 3 ft. long 2 ins. in diam. 24 ins in the ground for Cor. of secs. 5, 6, 7 and 8. marked on brass Cop T 25 N. S 6 in N.W. R 20 E S 5 in N.E. S 8 in S.E. and S 7 in S.W. quadrants.

Subdivision of Ns, 25 N. R 20 E.

BOOK 2582

Dig pits 18 x 18 x 12 ins. in each, sec. 5 ½ 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

June 20th 1910

This 20th day of June 1910 I discharge Chas L. Shumway mounduan. No officer authorized to administer oaths other than myself being available without great inconvenience, delay and expense. I administer the required final oath.

Sidney E Blouh
US Examiner of Surveys

June 21st 1910. At 8h 30m a.m. I set off 35° 35' N. on the lat. arc 23° 27½' N. on the decl. arc and determined a meridian with the solar at the cor. of secs. 5. 6. 7 and 8, hereinbefore described.
Thence I run
S 89° 51' E. on a random line bet. secs. 5 and 8.
40.00 Set temp. ¼ sec. cor.
80.02 Intersect N and S. line 8 lks. S. of the cor. of secs. 4. 5. 8 and 9. Thence I run
N 89° 54' W. on a true line bet. secs. 5 and 8.
Ascend gradually over N.E. slope through scattering sage and greasewood brush under-growth and bunch grass.
40.01 Set an iron post 3 ft. long, 1 in. in diam 26 ins in the ground for ¼ sec. cor. marked on brass cap. ¼ S 5 on N. half and S 8 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 ½ ft. base, 1½ ft. high. N. of cor.
80.02 The cor. of secs. 5. 6. 7 and 8, hereinbefore described.
Land rolling.
Soil sandy 3rd rate.
No timber

N 89° 43' W on a random line bet. secs. 6 and 7.

Subdivision of Wp 25 N., R20E.

45

Chains

40.00 Set temp. ¼ sec. cor.

78.84 Intersect W. bdry. of Wp. 5 lks. N. of the cor. of secs. 1, 6, 11 and 12, recently estab. by me & described in Exterior Book "E" thence I run

S 89° 45' E on a true line bet. secs. 6 and 7. Over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

13.40 Road from Holbrook Arizona to Placeau Arizona bears N.W. and S.E.

38.84 Set an iron post 3 ft. long 1 in. in diam 26 ins. in the ground for ¼ sec. cor marked on brass Cap ¼ S 6 on N. half and S 7 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 3½ ft. base. 1½ ft. high N. of cor.

74.85 Road from Winslow Arizona to Keams Canyon Ariz bears N 40° E and S 40° W.

78.84 The Cor. of secs. 5, 6, 7 and 8; hereinbefore described Land rolling.
Soil sandy 3rd rate.
No timber

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

40.00 Set temp. ¼ sec. cor.

79.68 Intersect N. bdry. of Wp. 12 lks. W. of the cor. of secs. 5, 6, 31 and 32, recently estab. by me & described in Exterior Book "D" thence I run

S 0° 02' W. on a true line bet. secs. 5 and 6 Ascend S. slope over rolling sandy land through scattering sage and greasewood brush undergrowth and bunch grass

4.00 Crest of gradual descent, clear rolling land bears N.E. and S.W. Enter level land bears N.E. and S.W.

39.68 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for ¼ sec. cor. marked on brass Cap ¼ S 6 on W. half and S 5 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 3½ ft. base. 1½ ft. high W. of Cor.

40.00 Clear level land bears E and W. Enter rolling land bears E and W. ascend gradually N. slope

Subdivision of Tp 25 N., R 20 E.

46

BOOK 2582

Chains	
73.60	Road from Winslow Ariz. to Keams Canyon bears N.E. and S.W.
79.68	The Cor. of Secs. 5, 6, 7 and 8, hereinbefore described.
	Land level and rolling.
	Soil sandy 3rd rate.
	No timber
NOTE	This 21st day of June 1910 Dec. of Tf 23° 27' N. on the decl. are, and ah noon observed the Sun on the meridian ah the 1/4 sec. cor. bet. secs. 5 and 6 N above described and obtain on the lab. are a reading of 35° 35 1/2' N.

June 21st 1910

General Description.

The land in this township is, broken hilly and mountainous in the southern part rolling and level in the northern part., the soil ranging from 2nd to 4th rate.

The soil of the rolling and level portion of the township is a sandy loam capable of producing crops, with the aid of irrigation. The soil of the mountainous portion is nearly all 3rd and 4th rate unfit for agricultural purposes, is covered with a good growth of grass and is valuable for grazing purposes.

Scattering cedar and pinon pine timber is found in the mountainous portions of the township, but the trees are too small to be of any value except as firewood.

The township is watered by three small springs in secs. 19 and 20.

There is no mineral in the township.

There is one Navajo Indian settlement in Sec. 19 and one in Sec. 20.

Sidney E Blount
U.S. Examiner of Surveys

June 21st 1910.