

Subdivisional  
**BOOK "L"**

2590

BOOK 2590

FIELD NOTES

OF THE SURVEY OF THE

Subdivisional Lines of Township No. 25 N. Range

No. 14 E.

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED  
AS ~~CONVEYED~~ BY

Sirley E. Blout

Examiner of Surveys

United States ~~Deputy Surveyor~~

Special Instructions from the Commissioner of the General Land Office

Under his Contract No. \_\_\_\_\_, dated Oct. 2<sup>nd</sup> 1907, and May 15<sup>th</sup> 1908

Survey commenced January 25<sup>th</sup>

1910

Survey completed February 5<sup>th</sup>

1910

## NAMES AND DUTIES OF ASSISTANTS.

Van L. WhiteCompassmanFred L. WarnerChainmanEarl AlbrightChainmanD. G. WhiteChainmanRalph SampsonWoundmanChas L. StumwayWoundmanWilliam R. CarsonFlagman

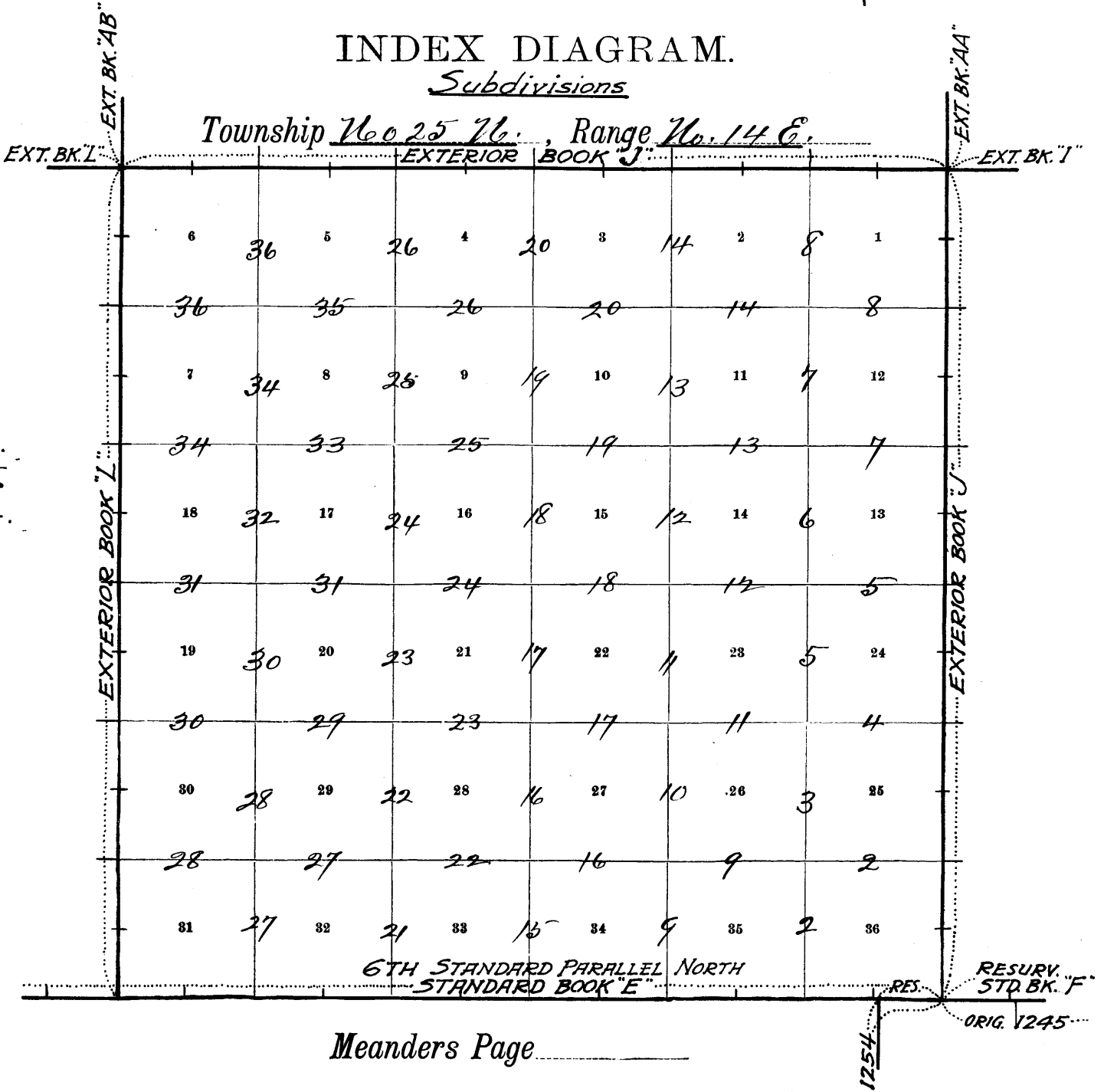
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INDEX DIAGRAM.

*Subdivisions*

Township No. 25 N., Range No. 14 E.



BOOK 2590

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 }



Survey commenced January 25<sup>th</sup> 1910 and executed with a W. & L. G. Surley Engineers transit No. 76. with a Burh 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 read to 0' 30" of arc.

I 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. T 25 N. R 14 E. Latitude  $35^{\circ}33' N.$  Longitude  $110^{\circ}51' W.$  I set off  $35^{\circ}33' N.$  on the lat. arc.  $18^{\circ}50\frac{1}{4}' S.$  on the decl. arc and 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 10<sup>h</sup> 65<sup>m</sup> p.m. l.m.t. by my watch which is correct local mean time I observe polaris at western elongation 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

January 25<sup>th</sup> 1910

January 26<sup>th</sup> 1910 At 7<sup>h</sup> 00<sup>m</sup> a.m. l.m.t. I lay off the azimuth of Polaris  $1^{\circ}26.5'$  to the east 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 0.2 ins east of the point determined by the solar observation  
 At 7<sup>h</sup> 45<sup>m</sup> a.m. l.m.t. I set off  $35^{\circ}33' N.$  on the lat. arc.  $18^{\circ}46' S.$  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 5.00 chs. N. of my instrument. This point falls 0.3 ins E. of the meridian established

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by the Polaris observation.  
The solar apparatus by p.m. and a.m. observations defines positions for meridians respectively about 0'10" West and 0'16" E. of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory.

Begin at the Stand Cor. of secs. 35 and 36.

T<sub>25</sub>N. R<sub>14</sub>E. Latitude 35° 30' 35" <sup>46</sup>. Longitude <sup>and described in Standard Book "E"</sup> 110° 48' 51" W. which was established Oct. 29<sup>th</sup> 1909.

At 9<sup>h</sup> 30<sup>m</sup> a.m. <sup>l.m.f.</sup> set of 35° 30½' N. on the lat. arc. 18° 47' S. on the decl. arc. and determined a meridian with the solar at the above cor.

Thence run.

N 0° 01' W. 6 ch. sec 35 and 36.

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

28.30 Road to Clark Arizona 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  $\frac{1}{4}$  sec. cor. marked on brass cap  $\frac{1}{4}$  S 35 on W. half and S 36 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 3½ ft. base, 1½ ft. high W. of cor.

80.00 The point for the cor. of secs. 25, 26, 35 and 36 falls in bottom of dry sand wash 10 lbs. wide, 2 ft. deep course S.W. where prevailing conditions would insure the destruction of the cor. therefore at.

80.25 Set an iron post. 3 ft. long 2 ins. in diam. 24 ins. in the ground for witness cor. to the cor. of secs. 25, 26, 35 and 36, marked on brass cap N.C. in W. half. T<sub>25</sub>N S<sub>26</sub> in N.W. R<sub>14</sub>E S<sub>25</sub> in N.E. S<sub>36</sub> in S.E. and S<sub>35</sub> in S.W. quarters.  
Dig pits 18 x 18 x 12 ins. N.E. S.E. S.W. and N.W. of post 5½ ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.  
Sand level.

Soil sandy 2<sup>nd</sup> rate.

No timber.

From true point for cor. of secs. 25, 26, 35 and 36, in wash, run East on a random line 6 ch. sec. 25 and 36.

Chairs

- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.06 Intersect E. ldy of Twp. at the cor. of secs. 25, 30, 31 and  
estab. by me and described in Exterior Book "J"  
36, Thence down  
 West, on a true line bet. secs. 25 and 36.  
 Over rolling sandy land, through sage and greasewood  
 bush undergrowth and bunch grass.
- 40.03 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap  $\frac{1}{4}$  S 25  
 on N. half and S 36 on S. half.  
 Dig pits 18x18x12 ins E and W. of post 3 ft. dia. and  
 raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high. W.  
 of cor.
- 55.42 Road from Winslow Ariz to Oraibi Arizona bears  
 N.E. and S.W.
- 55.50 Bears rolling land bears N.E. and S.W., Enter level  
 land bears N.E. and S.W.
- 80.06 <sup>true point for</sup>  
 The cor. of secs. 25, 26, 35 and 36, in wash.  
 Land level and rolling.  
 Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
 No timber.

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- 0.25 Witness cor. of cap. of secs. 25, 26, 35 & 36 hereinafter described.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.  
 in the ground for  $\frac{1}{4}$  sec. cor. marked on brass  
 cap  $\frac{1}{4}$  S 26 on W. half and S 25 on E. half  
 Dig pits 18x18x12 ins N and S. of post 3 ft. dia. and  
 raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high.  
 W. of cor.
- 50.45 A point in center of dry bed of Oraibi Wash.  
 30 lbs. wide banks 8 ft. high. Course S.W.
- 64.00 Bears undergrowth and bunch grass bears N.W.  
 and S.E. Enter cultivated field bears N.W. 6 chs  
 and S.E. 5 chs. dia.
- 77.00 Bears cultivated field bears N.E. 14 chs. and S.W.  
 4 chs. dia. Enter sage bush undergrowth  
 and bunch grass bears N.E. and S.W.
- 80.00 Set an iron post 3 ft. long 2 in. 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 on N.W.

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R 14 E, S 24 in N.E. S 25 in S.E. and S 26 in S.W. quadrants.  
Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. deep, and  
raise a mound of earth 4 ft. base, 2 ft. high.

W. of cor.  
Land level.  
Soil sandy 2<sup>nd</sup> rate.  
No timber.

NOTE At this cor. Sub. off. 1846' S. on the decl. arc  
and at noon observe the sun on the meridian  
and obtain on the lat. arc a reading of 35° 32' 16.

Each on a random line bet. secs. 24 and 25

40.00 Set temp. 4 sec. cor.

80.16 Intersect E. bdy. of N<sup>o</sup>. 3 lks S. of the cor. of sec.  
estab. by me and described in Exterior Book "J"  
19.24, 28 and 30 <sup>1</sup> the cor. drum

88959' W. on a true line bet. secs. 24 and 25

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

18.50 Road from Winslow-Ariz to Oraibi-Ariz bears N.E. and S.W.

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.E. half and S 25 on S. half.

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

61.00 Near undergrowth bears N.E. and S.W. Enter  
cultivated land bears N.E. 8 chs. and S.W. 6 chs.  
dist.

72.20 Left bank of the Oraibi Wash. no water bears  
N.E. and S.W.

73.35 Right bank of the Oraibi Wash. 10 ft. high bears  
N.E. and S.W.

78.00 Near cultivated land bears N.E. 8 chs. and S.W. 10  
chs dist. Enter sage and greasewood brush  
undergrowth and bunch grass.

80.16 The cor. of secs. 23, 24, 25 and 26, heretofore described.  
Land level.  
Soil sandy 2<sup>nd</sup> rate.  
No timber.



Chains

- N<sup>60</sup>01' W, 1/4 sec. 23 and 24,  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.
- 6,00 Leaves undergrowth and bunch grass bears N.E. and  
S.W. Enter cultivated land bears N.E. 5 chs. and  
S.W. 6 chs. dist.
- 15,00 Bears cultivated land bears E 7 chs and W. 8 chs.  
dist. Enter sage and greasewood bush undergrowth  
and bunch grass.
- 35,20 Road from Winslow Arizona to Oraibi Arizona  
bears N.E. and S.W.
- 40,00 Set an iron post 3 ft. long 1 in. in diam 26 ins.  
in the ground for  $\frac{1}{4}$  sec. cor. marked on brass  
cap.  $\frac{1}{4}$  S 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. dist.  
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. 13, 14, 23 and 24  
marked on brass. Cap. T 25 N. S 14 in NW. R 14 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. dist and  
raise a mound of earth 4 ft. base 2 ft. high  
W. of cor.  
Land level.  
Soil sandy 2  $\frac{1}{2}$  rate.  
No timber

- N 89° 59' E on a random line beth sec. 13 and 24  
40,00 Set trap,  $\frac{1}{4}$  sec. cor.
- 80,16 Intersect. E. ldy. of N. 14 chs. S. of the cor. of sec  
estab. by me & described in Exterior Book "J"  
13, 18, 19 and 24. Hence from  
S 89° 53' W. on a true line beth. sec. 13 and 24  
Over level sandy land through sage and  
greasewood bush undergrowth and bunch  
grass.
- 9,10 Right bank of the Oraibi Wash. 10 ft. high.  
bears N.E. and S.W.
- 9,56 Center of dry bed of Wash. course S.W.
- 10,00 Right bank of the Oraibi Wash. 10 ft. high.  
bears N.E. and S.W. thence on level land.

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- 24.76 Road from Winslow Arizona to Oraibi Arizona  
bears N.E. and S.W.
- 40.08 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. 4313 on N. half. and 524 on S half  
Dig pits 18x18x12 ins. E and W. of post. 3 ft. dia.  
and raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$   
ft. high. N. of cor.
- 80.16 The cor. of secs. 13, 14, 23 and 24, heretofore  
land level. described.  
Soil sandy 2<sup>nd</sup> rate.  
No timber.

January 26<sup>th</sup> 1910

Jan 28<sup>th</sup> 1910 Ah. 8<sup>h</sup> 15<sup>m</sup> am. <sup>l.m.t.</sup> set off. 35° 33' N. on the  
lat. arc. 18° 15' S on the decl. arc. and determined  
meridian with the solar at the cor. of secs. 13, 14,  
23 and 24, <sup>heretofore described</sup> N. Thence run

N 0° 01' W. to cor. 13 and 14.

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  $\frac{1}{4}$  sec. cor. marked  
on brass cap. 4314 on W. half and 313 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.
- 59.25 Road from Safford Agency to Oraibi  
Arizona bears N.E. and S.W.
- 80.00 Set an iron post. 3 ft. long 2 in. in diam.  
24 ins. in the ground for cor. of secs. 11, 12, 13.  
and 14. marked on brass cap 725 N S 11 in N.W.  
R 14 E. S 12 in N.E. 313 in S.E. and 314 in S.W.  
quadrant.  
Dig pits 18x18x12 ins. in each. sec. 5  $\frac{1}{2}$  ft. dia.  
and raise a mound of earth 4 ft. base 2 ft.  
high W. of cor.  
Over level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

N 89° 53' E. on a random line bet. secs. 12 and 13.

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

80.14 Intersect E. line of Twp. 8 lks. S. of the cor. <sup>estab. by me and described in Exterior Book "J"</sup> of secs. 11, 12, 13 and 14. Thence true

S 89° 50' W. on a true line bet. secs 12 and 13.

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

40.07 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap  $\frac{1}{4}$  S. 12 on N. half and S 13 on S. half.

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

45.30 Road from Lupp Agency to Oasis. Any bear N and S.

80.14 The cor. of secs. 11, 12, 13 and 14, heretofore described. Land level.

Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate. No timber.

N 0° 01' W. bet. secs 11 and 12.

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  $\frac{1}{4}$  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. diam. and raise a mound of earth  $3\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high. W. of cor.

NOTE At this cor. draw off. 18° 15' S. on the decl. arc and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 34 $\frac{1}{2}$ ' N.

41.00 Near level land bear N. E. and S. W. Enter rolling land bear N. E. and S. W. see gradually over S. E. slope.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 1, 2, 11 and 12 marked on brass cap T 25 N S 2 in N. W. R 14 E

Submission of Twp. 25 N., R. 14 E.

Chain

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S1 in N.E. S12 in S.E. and S11 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 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

40.00 N 89° 50' E on a random line bet. secs. 1 and 12  
Set temp. 1/4 sec. cor.

80.08 Intersect E. ldy. of Twp. at the cor. of secs. 1, 6, 7, and 12  
estab. by one and described in Exterior Book "J"  
Thence S run

S 89° 50' W. on a true line bet. secs. 1 and 12  
Over level sandy land through sage and greasewood  
brush undergrowth and bunch grass.

35.00 Leave level land bear N.E. and S.W. Enter rolling  
land bear N.E. and S.W. asc. gradually over S.E. slope.

40.04 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
the ground for 1/4 sec. cor. marked on brass cap.  
1/4 S1 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 1/2 ft. base, 1 1/2 ft. high W.  
of cor.

80.08 The cor. of secs. 1, 2, 11 and 12, herebefore described.  
Land level and rolling.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

40.00 N 0° 01' W. on a random line bet. secs. 1 and 2  
Set temp. 1/4 sec. cor.

80.18 Intersect N. ldy. of Twp. 8 lks. S 89° 58' W. of the cor. of  
secs. 1, 2, 35 and 36, Thence S run  
estab. by one and described in Exterior Book "J"

S 0° 02' W. on a true line bet. secs. 1 and 2  
Descend W. slope over rolling sandy land  
through sage and greasewood brush undergrowth  
and bunch grass.

11.00 Dry sand wash 20 lks. wide 1 ft. deep course  
S.E.

40.18 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 S2 on W. half and S1 on E half.

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

80.18 Run cor. of secs. 1, 2, 11 and 12, herebefore described. Land rolling. Soil sandy 3rd rate. No timber.

January 28<sup>th</sup> 1912

January 27<sup>th</sup> 1910 Ah. 8.00<sub>1</sub> am. <sup>lmt</sup> set off 35° 30 1/2' N. on the lch. arc. 18° 31' S. on the decl. arc and determine a meridian with the solar ab. the stand. cor. of secs. 34 and 35 on S. by, of Twp. Hence run N 70° 01' W. 76. res. 34 and 35.

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

140.00 Set an iron post 3 ft. long 1 1/2 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 34 on W. half and S 35 on E. half.

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

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of secs. 26, 27, 34 and 35 marked on brass cap T 25 N. S 27 in 71. W. R 14 E S 26 in 71. E S 35 in S. E. and S 34 in S. W. quadrants. Dig pits 18x18x12 ins. in each. sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.

Land level. Soil sandy 2nd rate. No timber.

Carry a random line bet. secs 26 and 35

140.00 Set true 1/4 sec cor.

80.04 Intersect N and S line 34 lch S. of the Witness Cor. to Cor. of secs. 25, 26, 35 and 36, <sup>herebefore described</sup> Hence from true point for cor. of secs 25, 26, 35 and 36, Run

S 89° 56' W. on a true line bet. secs. 26 and 35

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

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- 30.00 Leave undergrowth bears N and S. Enter cultivated land bears N 1/2 Chv and S. 7 Chv. dist.
- 38.00 Intersect left bank of the Crain Wash 6 ft. high. bears N.E. and S.W.
- 38.30 Center of dry bed of Wash course S.W.
- 38.60 Right bank of the Crain Wash 8 ft. high. bears N.E. and S.W.
- 40.02 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass cap 1/4 S 26 on N. half and S. 35 on S. half.  
Dig pits 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 Leave cultivated land bears N. 8 Chv. and S 12 Chv. dist. Enter undergrowth and bunch grass bears N and S.
- 80.04 The cor. of secs. 26, 27, 34 and 35, heretofore described.  
Land level.  
Soil sandy 2<sup>nd</sup> rate.  
No timber.

N 0° 01' W. bet. secs. 26 and 27.

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

1.10 Road from W. willow Ariz. to Crain Ariz. 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 27 on N. half and S 26 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.

NOTE At this cor. I set off 18° 30 1/2' S. on the decl. arc and at noon observed the sun on the meridian and obtained on the lat. arc a reading of 35° 32' N.

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 14 E S. 23 in N.E. S 26 in S.E. and S 27 in S.W. quadrants.  
Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high. W. of cor.  
Land level.  
Soil sandy 2<sup>nd</sup> rate.

No timber

N 89° 56' E on a random line bet. Secs. 23 and 26

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N and S. line of the cor of secs. 23, 24, 25 -  
herein before described  
and 26, 1/2 thereof

S 89° 56' W. on a true line bet. Secs. 23 and 26.

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

28.42 Road from Winslow Ariz to Oraibi Ariz from  
N.E. and S.W.

40.01 Set an iron post 3 ft. long 1 in. in diam., 26 in. in  
the ground for 1/4 sec. cor. marked on brass cap 1/4 S 23  
on N half and S 26 on S half.

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

80.02 The cor of secs. 22, 23, 26 and 27, herein before described.  
Land level.

Soil sandy loam 2nd rate.

No timber.

N 0° 01' W. bet. Secs. 22 and 23.

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

40.00 Set an iron post 3 ft. long 1 in. in diam., 26 in. in  
the ground for 1/4 sec. cor. marked on brass cap.  
1/4 S 22 on W. half and S 23. on E half.

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

80.00 Set an iron post 3 ft. long 2 in. in diam., 24 in.  
in the ground for cor. of secs., 14, 15, 22 and 23.

marked on brass cap. T 25 N S 15 in N.W. R 14 E S 14  
in N.E., S 23 in S.E. and S 22 in S.W. quadrant.

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

Land level

Soil sandy loam 2nd rate.

No timber.

January 27<sup>th</sup> 1910

Subdivision of Twp 25 N. R 14 E

Chassis

BOOK 2590

Jan 28<sup>th</sup> 1910 At 8<sup>h</sup> 15<sup>m</sup> a.m. <sup>l.m.t.</sup> Set off 35° 33' N. on the  
lat. arc 18° 16' S. on the decl. arc, and determine a meridian  
with the solar at the cor. of secs. 14, 15, 22, and 23,  
Thence <sup>hereinbefore described</sup> run

N 89° 56' E on a random line bet. secs. 14 and 23.

40.00 Set temp. 1/4 sec. cor.

79.98 Intersect Nord S. line 3 lks. N. of the cor. of secs. 13, 14,  
23 and 24 <sup>hereinbefore described</sup> Thence run

S 89° 57' W. on a true line bet. secs. 14 and 23.

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

4.30 Road bears N.E. and S.W. leads to Oraibi Ariz

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 base of 1/4 S 14  
on N. half and S 23 on S. half.

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

79.98 The cor. of secs 14, 15, 22 and 23, hereinbefore described.  
Land level.

Soil sandy loam 2<sup>nd</sup> rate.  
No timber.

January 28<sup>th</sup> 1910

January 31<sup>st</sup> 1910 At 3<sup>h</sup> 00<sup>m</sup> p.m. <sup>l.m.t.</sup> Set off 35° 33' N. on the  
lat. arc 17° 24' S. on the decl. arc and determine a  
meridian with the solar at the cor. of secs. 14, 15, 22  
and 23, <sup>hereinbefore described</sup> fence run

N 0° 01' W. bet. secs. 14 and 15.

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

2.81 Road from Leiff Agency to Oraibi Ariz 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 base of 1/4 S 15  
on W. half and S 14 on E. half.

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

41.00 Level land bears N.E. and S.W. Enter rolling  
land bears N.E. and S.W. Asc. gradually over S.E. slope

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins. in  
the ground for cor. of secs 10, 11, 14 and 15 marked



on base of T 25 N 310 in N.W. T14 E S11 in N.E.  
S14 in S.E. and S15 in S.W. quadrants.

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

W. of cor.

Land level and rolling.

Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.

No timber.

N 89° 57' E on a random line bet. sec. 11 and 14

40.00 Shting. 1/4 sec. cor.

80.02 Intersect N. and S. line 8 ch. S. of the cor. of sec.  
11, 12, 13 and 14, <sup>hereinbefore described</sup> hence run

S 89° 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.

40.01 Set an iron post 3 ft. long 1 in. in diam. 26 ins.  
in the ground for 1/4 sec. cor. worked out base  
of 4 S11 on N. half and S14 on S. half.

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

80.02 The cor. of sec. 10, 11, 14 and 15, hereinbefore described.

Land rolling.

Soil sandy 3<sup>rd</sup> rate.

No timber.

January 31<sup>st</sup> 1912

February 2<sup>nd</sup> 1910, At 10<sup>h</sup> 30<sup>m</sup> <sup>l.m.t.</sup> set off. 35° 34' N.  
on the base. 76° 53 1/2' S. on the decl. arc and determine  
a meridian with the solar at the cor. of sec. 10, 11,  
14 and 15, <sup>hereinbefore described</sup> hence run

N 0° 01' W. bet. sec. 10 and 11

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

34.00 Foot of sandstone cliff. 80 ft. high. base East W. and  
abruptly.

34.40 Top of cliff base E. and W. desc. gradually over N.  
slope.

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

Chain

BOOK 2590

the ground for 1/4 sec. cor. marked on base Cop 1/4 310 on W. half and 311 on E. half.

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

80.00 Set an iron post 3 ft. long 2 ins. in diam, 24 ins. in the ground for cor. of sec. 2, 3, 10 and 11, marked on base Cop. T 25 N. S 3 in N.W. R 14 E 32 in N.E. 311 in S.E and 310 in S.W. quadrant.

Dig pits 18x18x12 ins. in each sec, 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land rolling and broken, Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate. No timber.

NOTE At this cor. D reb. off 16° 52 1/2 S on the dial, arc and at noon observed the sun on the meridian, the resulting lat. being 35° 35' 46.11

N 89° 54' E on a random line bet. sec. 2 and 11  
40.00 Set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line 2 lbs N. of the cor. of sec. 1, 2, 11 and 12, <sup>heretofore described</sup> thence run

S 89° 55' W. on a true line bet. sec. 2 and 11

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

40.04 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec cor marked on base Cop 1/4 32 on N. half and 311 on S half.

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

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

80.08 The cor. of sec. 2, 3, 10 and 11, heretofore described. Land rolling.

Soil sandy 3<sup>rd</sup> rate.

No timber.

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

Chain

- 80,28 Intersects N. Side of N. at the Cor. of secs. 2, 3, 34, and 35-  
 estab. by me and described in Exterior Book "J"  
 Thence  $0^{\circ}01'$  E on true line bet. secs 2 and 3.  
 Around N. slope over rolling sandy land through sage  
 and greasewood bush undergrowth and bunch  
 grass.
- 40,28 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.  $4^{\circ}30'$  W. half and  $5^{\circ}2'$  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.
- 57,30 Top of sand ridge bears E and W. desc.
- 57,50 Top of red sand stone cliff. 50 ft. high bears E and W.  
 desc. abruptly over broken stony land.
- 58,00 Foot. of cliffs bears E. and W. desc. gradually over  
 sandy land.
- 62,00 Foot of deep cut in depression bears N.E. and S.W.  
 drains N.E. asc. gradually.
- 80,28 The cor. of secs 2, 3, 10 and 11, hereinbefore described.  
 Land rolling hilly and broken.  
 Soil sandy and stony, 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 No timber.

February 2<sup>nd</sup> 1910

January 29<sup>th</sup> 1910 Ab. 7<sup>h</sup> 45<sup>m</sup> a.m. <sup>l.m.t</sup> set off  $35^{\circ}30\frac{1}{2}'$  N.  
 on the lab. arc,  $17^{\circ}59'$  S. on the decl. arc and determine  
 a meridian with the solar at the standard cor.  
 of secs 33 and 34 on S. Side of N. Thence  $0^{\circ}02'$  W. bet. secs 33 and 34.

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

- 15,61 Road from Leupp to Oraibi Az. bears E and W.
- 40,00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
 the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap  $4^{\circ}33'$   
 on W. half and  $3^{\circ}34'$  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 in. in diam. 24 ins.  
 in the ground for cor. of secs. 27, 28, 33 and 34  
 marked on brass cap. T25 N. S28 in N.W. R14 E.

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S 27 in N.E. S 34 in S.E. and S 33 in S.W. quadrants. Dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor. Land level.

Soil sandy 2nd rate.  
No timber.

40.00 Cash on a random line bet. sec. 27 and 34  
Set temp. 1/4 sec. cor.

79.94 Intersect N. and E. line 3 lks. S. of cor. of sec. 26, 27, 34 and 35 <sup>here before described</sup> Thence S 89° 59' W. on a true line bet. sec. 27 and 34

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

1.28 Road from Leupp to Oraibi Cruz bears N.E. and S.W.

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 27 on N. half and S 34 on S. half. Dig pits 18x18x12 ins. E and W. of post 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W. of cor.

79.94 The cor. of sec. 27, 28, 33, and 34, here before described. Land Level.

Soil sandy 2nd rate  
No timber

N 0° 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. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. W. of cor.

40.32 Road bears E. and W.

80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 21, 22, 27, and 28, marked on brass cap T 25 N S 21 in N.W. R 14 E S 22 in N.E. S 27 in S.E. and S 28 in S.W. quadrants.

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

Level level.  
Soil sandy 2<sup>nd</sup> rate.  
No timber

NOTE

At this cor. Dreb off 17° 59' S on the decl. arc. and at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 32' 16".

40,00 Set a true line bet. secs. 22 and 27,  
Set a true line bet. sec. cor.  
79,84 Intersect. N and S. line at the cor. of secs. 22, 23, 26  
and 27, <sup>heretofore described</sup> fence drum  
S 89° 59' W, on a true line bet. secs. 22 and 27,  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.  
39,92 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 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 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high. W. of cor  
79,84 The cor. of secs. 21, 22, 27 and 28, heretofore described.  
Level level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

N 0° 02' W, bet. secs. 21 and 22.  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.  
40,00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap  $\frac{1}{4}$  S 21  
on W. half and S 22 on E half  
Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist. and  
raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high.  
W. of cor  
58,68 Road to Oraibi, Ariz bears N 8 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. 15, 16, 21, and 22,  
marked on brass cap T 25 N 3 16 in N.W. R 14 E.  
S 15 in N.E. S 22 in S.E. and S 21 in S.W. quadrants.  
Dig pits 18 x 18 x 12 ins. in each. Sec. 5  $\frac{1}{2}$  ft. dist. and  
raise a mound of earth 4 ft base 2  $\frac{1}{2}$  ft high W. of cor.

BOOK 2590

Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate  
No timber.

40.00 N 89° 59' E on a random line bet. sec. 15 and 22  
Set temp. ¼ sec. cor.  
79.84 Intersect N and S. line at the cor. of sec. 14, 15, 22, and  
heretofore described  
23, Hence Drum

S 89° 59' W, on a true line bet. sec. 15 and 22.  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.

6,28 Road from Loupp to Craib's Dig bears N.E. and S.W.  
39,92 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 315  
on N. half and 322 on S. half.

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

79.84 The cor. of sec. 15, 16, 21 and 22, heretofore described.  
Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

January 29<sup>th</sup> 1910

Feb 2<sup>nd</sup> 1910, At 8<sup>h</sup> 00<sup>m</sup> a. m. <sup>limit</sup> set off. 35° 33' N. on the  
lath arc 16° 54' S. on the decl. arc. and determine  
a meridian with the solar on the cor. of sec. 15  
16, 21, and 22, <sup>heretofore described</sup> Hence Drum

N 0° 02' W, bet. sec. 15 and 16.  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in  
the ground for ¼ sec. cor. marked on brass cap. ¼ 315  
on W. half and 315 on E. half.

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

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 ins.  
in the ground for cor. of sec. 9, 10, 15 and 16. marked  
on brass cap. 725 N S 9 in N.W. R 14 E S 10 in N.E. S 15  
in S.E. and 316 in S.W. quadrants

Chains

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

Land level.

Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.

No timber.

N 89° 59' E on a random line bet. sec. 10 and 15

40.00 Set temp. 1/4 sec. cor.

79.90 Intersect. Rand 3. line at the cor. of sec. 10, 11, 14 and

15, <sup>heretofore described</sup> Three Tree Run

S 89° 59' W. on a true line bet. sec. 10 and 15

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

39.95 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 10 on W. half and S 15 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

79.90 The cor. of sec. 9, 10, 15 and 16, heretofore described.

Land rolling.

Soil sandy 3<sup>rd</sup> rate.

No timber.

February 2<sup>nd</sup> 1910

Feb 3<sup>rd</sup> 1910 At 2 h 30<sup>m</sup> p.m. <sup>lmt.</sup> set off 35° 34' N. on the lat. arc, 16° 33' S. on the decl. arc, and determine a meridian with the solar at the cor. of sec. 9, 10, 15 and 16, <sup>heretofore described</sup> Three Tree Run

N 0° 02' W. bet. sec. 9 and 10.

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

21.00 Foot of sand stone bluffs 100 ft. high. Pass N. and S. Leave sandy land Pass E. and W. Enter stony land Pass E. and W. ascend abruptly over sand stone bluffs

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.

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

Chains

BOOK 2590

- Pits unpracticable
- 43.00 Top of ascents on S. edge of Mesa bears N.E. and S.W. leans stony land bears N.E. and S.W., Enter hilly sandy land bears N.E. and S.W. are gradually
- 45.00 Top of high sand ridge bears N.E. and S.W. desc. gradually.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins. in the ground for cor. of sec. 3, 4, 9 and 10. marked on brass Cap T 25 N 34 in N.W. R 14 E S 3 in N.E. S 10 in S.E. and S 9 in S.W. quadrants.  
Dig pits 18 x 18 x 12 ins. in each. sec. 5 1/2 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high. W. of cor.  
Land hilly and broken  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber.

- N 89° 59' E on a random line bet. sec. 3 and 10.
- 40.00 Set temp 1/4 sec. cor.
- 79.90 Intersect N and S. line 3 lks. N. of the cor. of sec. 2, 3, 10 and 11, <sup>heretofore described</sup> three S runs.  
Wash out a true line bet. sec. 3 and 10.  
Ascend N.E. slope overlooking sandy land through Sage and greasewood brush undergrowth and bunch grass.
- 39.95 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 1/4 sec. cor. marked on brass Cap 1/4 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. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
- 79.90 The cor. of sec. 3, 4, 9 and 10, heretofore described.  
Land rolling.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

February 3<sup>rd</sup> 1910.

Feb. 4<sup>th</sup> 1910  
At 3:00 pm <sup>l.m.t.</sup> set off 35° 35' N on the lat. arc. 16° 15' S. on the decl. arc and determine a meridian with the solar at the cor. of sec. 3, 4, 9 and 10, <sup>heretofore described</sup> three S runs



Chain

21

40,00 N 0° 02' W. on a random line bet. secs 3 and 4.  
 Set temp.  $\frac{1}{4}$  sec. cor.  
 80,24 Intersects 76. Id. of Twp. 18. l. No. N 89° 58' E. of the cor. of secs.  
 estab. by me and described in Exterior Book "J"  
 3, 4, 33 and 34. Thence run

S 0° 10' E on a true line bet. secs. 3 and 4  
 Ascend N.E. slope over rolling sandy land  
 through sage and greasewood bush undergrowth  
 and bunch grass

40,24 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. 434 on W. half and 33 on E half.  
 Dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.  
 and raise a mound of earth 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft.  
 high W. of cor.

80,24 The cor. of secs. 3, 4, 9 and 10, hereinbefore described.  
 Land rolling.  
 Soil sandy 3<sup>rd</sup> rate.  
 No timber.

February 4<sup>th</sup> 1910

January 31<sup>st</sup> 1910 at 7<sup>h</sup> 45<sup>m</sup> a.m. <sup>limit</sup> Set off 35° 30' 2" N.  
 on the lat. arc 17° 26' 2" S on the decl. arc. and determine  
 a meridian with the solar at the Standard cor. of secs.  
 32 and 33. on S. Id. of Twp. 18. Thence run

N 0° 03' W. bet. secs 32 and 33.  
 Over level sandy land through sage and greasewood bush.  
 undergrowth and bunch grass.

40,00 Set an iron post 3 ft long 1 in. in diam 26 ins. in the  
 ground for  $\frac{1}{4}$  sec. cor. marked on brass cap 4332 on W  
 half and 33 on E half.

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

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 cap T 25 N S 29 in N.W. R 14 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 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 2<sup>nd</sup> rate.

BOOK 2590

No timber

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

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N and S. line 5 lks. S. of the cor. of sec. 27, 28, 33 and 34 <sup>heretofore described</sup> Hence run

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

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 in. in the ground for 1/4 sec. cor. marked on brass cap 4 S 28 on W. half and S 33 on S half.

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

80.00 The cor. of sec. 28, 29, 32 and 33, heretofore described. Land level.

Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

N 0° 03' W. bet. sec. 28 and 29.

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

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in. in the ground for 1/4 sec. cor. marked on brass cap 4 S 29 on W. half and S 28 on E. half.

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

80.00 Set an iron post 3 ft. long 2 in. in diam. 24 in. in the ground for cor. of sec. 20, 21, 28 and 29, marked on brass cap T 25 N. S 20 in N.W., R 14 E S 21 in N.E. S 28 in S.E. and S 29 in S.W. quadrants.

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

Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

NOTE On this cor. I set off 17° 26 1/2' S on the decl. arc, and at noon observe the sun on the meridian, the resulting

latitude being 35° 32' N.

- N 89° 58' E on a random line bet. sec. 21 and 28.  
40.00 Set temp. 4 sec. cor.
- 80.00 Intersect N and S line, 3 lks. S. of the cor. of sec. 21  
heretofore described  
22, 27 and 28. <sup>Measure from</sup>
- S 89° 57' W, on a true line bet. sec. 21 and 28.  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins.  
in the ground for 4 sec. cor. marked on brass  
cap & S 21 on N. half and S 28 on S. half  
Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dist  
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft.  
high N. of cor.
- 80.00 The cor. of sec. 20, 21, 28 and 29, heretofore described.  
Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

- N 0° 03' W. bet. sec. 20 and 21  
Over level sandy land through sage and greasewood bush  
undergrowth and bunch grass:
- 16.71 Rodd from Leupp to Oraibi Ariz bears N 8 and S W.
- 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 &  
S 20 on W half and S 21 on E. half.  
Dig pits 18 x 18 x 12 ins. N and S. of post 3 ft. dist.  
and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high.  
W. of cor.
- 80.00 Set an iron post 3 ft. long 2 ins. in diam. 24 ins.  
in the ground for cor. of sec. 16, 17, 20 and 21  
marked on brass cap T 25 N S 17 in N.W., R 14 E S 16  
in N.E., S 21 in S.E. and S 20 in S.W. quadrants.  
Dig pits 18 x 18 x 12 ins. in each. sec. 5 1/2 ft. dist. and  
raise a mound of earth 4 ft. base, 2 ft. high. W.  
of cor.  
Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

Chain

BOOK 2590

N 89° 57' E. on a random line bet. sec. 16 and 21  
40.00 Set temp. 1/4 sec. cor.  
80.00 Intersect N and S. line at the cor. of sec. 15, 16, 21  
and 22, <sup>heretofore described</sup> Thence S run

S 89° 57' W. on a true line bet. sec. 16 and 21  
Over level sandy land through sage and greasewood  
bush undergrowth and bunch grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
the ground for 1/4 sec. cor. marked out brass cap  
1/4 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 1/2 ft. base, 1 1/2 ft.  
high W. of cor.

80.00 The cor. of sec. 16, 17, 20 and 21, heretofore described.  
Land level.  
Soil sandy 2nd and 3rd rate.  
No timber.

January 31<sup>st</sup> 1910

Feb 3<sup>rd</sup> 1910, at 11<sup>h</sup> 00<sup>m</sup> a.m. <sup>lmt.</sup> Set off 35° 33' N. on  
the lab. arc, 16° 36' S on the decl. arc and determine a  
meridian with the solar alt. the cor. of sec. 16, 17,  
20 and 21, <sup>heretofore described</sup> Thence S run

N 0° 03' W. bet. sec. 16 and 17.  
Ascend S.E. slope over rolling sandy land through  
sage and greasewood bush undergrowth and bunch  
grass.

40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins.  
in the ground for 1/4 sec. cor. marked out brass  
cap 1/4 S 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 1/2 ft. base, 1 1/2 ft.  
high W. of cor.

NOTE At this cor. set off 16° 34' S on the decl arc and at  
noon observe the sun on the meridian and obtain  
on the lab. arc a reading of 35° 33' N.

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 out  
brass cap T 25 N S 8 in N.W., R 14 E S 9 in N.E., S 16 in  
S.E. and S 17 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.

Chain

Land rolling.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

N 89° 57' E on a random line bet. sec. 9 and 16.

40.00 Sec temp. 1/4 sec. cor.

80.02 Intersect N and S. line at the cor. of sec. 9, 10, 15 and 16, <sup>herebefore described</sup> ~~three~~ run

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

Over rolling 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 1/4 sec. Cor. marked on brass cap.

N 59° on W. half and S 16° on S half

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

80.02 The cor. of sec. 8, 9, 16 and 17, herebefore described.

Land rolling.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

February 3<sup>rd</sup> 1910.

Feb. 4<sup>th</sup> 1910 at 9:30 a.m. <sup>h. m.</sup> <sup>l. m. t</sup> set off 35° 34' N on the lat. arc, 16° 19' S on the decl. arc and determine a meridian with the solar at the cor. of sec. 8, 9, 16 and 17, <sup>herebefore described</sup> ~~three~~ run

N 10° 03' W. bet. sec. 8 and 9.

Over low rolling sand ridges, through sage and greasewood bush undergrowth and bunch grass.

26.20 Top of perpendicular sandstone cliffs 125 ft. high. bear E and W. are.

26.40 Top of cliffs bear E and W. are gradually over S. slope of sand ridge.

35.00 Top of sand ridge bear 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. N 45° 8' on W. half and S 9° on E. half

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

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

Chains

BOOK 2590

in the ground for cor. of secs 4, 5, 8 and 9, marked  
on brass cap T 25 N. S 5 in N.W., R 14 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 1/2 ft. dist. and  
raise a mound of earth 4 ft. base, 2 ft. high W. of cor.  
Land rolling hilly and broken.

Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber.

N 89° 57' E on a random line bet. secs 4 and 9.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N and S. line at the cor. of secs <sup>heretofore described</sup> 3, 4, 9 and 10.

Thence I run

S 89° 57' W. on a true line bet. secs. 4 and 9.

Ascend N.E. slope over low sand hills, through  
sage and greasewood brush undergrowth and  
bunch grass.

8.00 Top of sand ridge bears N and S. disc. gradually.

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 4 on N. half, and S 9 on S. half.

Dig pits 18x18x12 ins. E. and W. of post. 3 ft. dist.

and raise a mound of earth 3 1/2 ft. base 1 1/2 ft.

high W. of cor.

NOTE At this cor I set off 16° 17' S. on the decl. arc and  
at noon observe the sun on the meridian and  
obtain on the lat. arc, a reading of 35° 35' N.

80.00 The cor. of secs. 4, 5, 8 and 9, heretofore described.

Land hilly.

Soil sandy 3<sup>rd</sup> rate.

No timber

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

40.00 Set temp. 1/4 sec. cor.

80.16 Intersect N. L. line of Twp. 21 lks. N 87° 58' E the cor. of sec  
4, 5. 32 and 33, <sup>estab. by me and described in Exterior Book "J"</sup> Thence I run

S 0° 12' E on a true line bet. secs. 4 and 5

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

Chains

40.16 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 # 35 on W. half and 34 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.

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

February 4<sup>th</sup> 1910

Feb. 1<sup>st</sup> 1910 ab. 7<sup>h</sup> 45<sup>m</sup> a.m. <sup>l.m.t.</sup> S. of.  $35^{\circ} 30\frac{1}{2}' N$ .  
on the lat. arc.  $17^{\circ} 10\frac{1}{2}' S$ . on the decl. arc. and  
determine a meridian with the solar at the  
Standard Cor. of secs. 31 and 32, on S. line of Np.  
as far as one and described in Standard Book "E"  
Merced Run,

N  $0^{\circ} 03' W$ . bet. secs. 31 and 32.

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  $\frac{1}{4}$  sec. cor. marked on brass cap # 331 on W. half and 332, 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 29, 30, 31 and 32 marked on brass cap 1-25 N S 30 in N.W. R14 E S29 in N.E. S32 in S.E. and S31 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.

Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.

No timber.

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

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

80.00 Intersect N and S. line 5 lks. S. of the cor. of secs. 28, 29, 32 and 33, <sup>here before described</sup> Merced Run

BOOK 2590

40.00 S  $89^{\circ}58'$  W. on a true line bet. sec. 29 and 32.  
Over level sandy land through sage and  
greasewood brush undergrowth and bunch grass.

Set an iron post 3 ft. long 1 in. in diam. 26  
ins. in the ground for  $\frac{1}{4}$  sec. cor. marked  
on brass cap  $\frac{1}{4}$  S 29 on N. half and S 32 on S.  
half.

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

80.00 The cor. of sec. 29, 30, 31 and 32, heretofore described.  
Land level.  
Soil sandy 2<sup>nd</sup> and 3<sup>rd</sup> rate.  
No timber.

40.00 West on a random line bet. sec. 30 and 31.  
Set temp.  $\frac{1}{4}$  sec.

80.02 Intersect W. bdy. of Twp. 3. lks. N. of cor. of sec.  
estab. by me and described in Exterior Book "L" of  
25, 30, 31 and 36. <sup>Themed Trust.</sup>

N  $89^{\circ}59'$  E. on a true line bet. sec. 30 and 31.

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

40.02 Set an iron post 3 ft. long, 1 in. in diam. 26 ins.  
in the ground for  $\frac{1}{4}$  sec. cor. marked on brass  
cap  $\frac{1}{4}$  S 30 on N. half and S 31 on S. half.

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

80.02 The cor. of sec. 29, 30, 31 and 32, heretofore  
described.  
Land level.

Soil sandy 3<sup>rd</sup> rate.  
No timber.

NOTE At this cor. I set off.  $17^{\circ}09\frac{1}{2}'$  S. on the decl. arc.  
and at noon observed the sun on the meridian  
the resulting latitude being  $35^{\circ}31\frac{1}{2}'$  N.

N  $0^{\circ}03'$  W. bet. sec. 29 and 30.

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.



Schauins

- 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.  
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.
- 54,80 Leave level land bears N.E. and S.W. Enter rolling land bears N.E. and S.W. acc. gradually over S.E. slope.
- 57,10 Road from Leupp to Oraibi Ariz 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 sec. 19, 20, 29, and 30. marked on brass cap T 25 N S 19 in N.W. R 14 E S 20 in N.E. S. 29 in S.E. and S 30 in S.W. quadrants. Dig pits 18x18x12 ins. in each sec.  $5\frac{1}{2}$  ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. W. of cor.  
Land level and rolling.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

- N 89° 58' E on a random line bet. sec. 20 and 29  
40,00 Set temp.  $\frac{1}{4}$  sec. cor.  
79,92 Intersect N and S. line at the cor. of <sup>heretofore described</sup> sec. 20, 21, 28, ~~29~~ 29.  
Thence I run  
S 89° 58' W. on a true line bet. sec. 20 and 29.  
Over rolling sandy land through sage and greasewood brush undergrowth and bunch grass.
- 20,95 Road from Leupp to Oraibi Arizona bears N.E. and S.W.
- 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 20 on W. half and S 29 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.
- 79,92 The cor. of sec. 19, 20, 29 and 30, heretofore described.  
Land rolling.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

BOOK 2590

- S 89° 59' W on a random line bet. secs. 19 and 30  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect W. ldy. of N. at the cor. of secs 19, 20  
<sup>estab. by me and specified in Exterior Book "L"</sup>  
25 and 30, thence I run  
N 89° 59' E. on a true line bet. secs. 19 and 30  
Over rolling sandy land through sage and  
greasewood brush undergrowth and bunch  
grass.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 in.  
in the ground for  $\frac{1}{4}$  sec. cor. marked on brass  
cap  $\frac{1}{4}$  S 19 on N. half and S 30 on S. half.  
Dig pits 18 x 18 x 12 in. E. and W. of post 3 ft.  
dib, and raise a mound of earth  $3\frac{1}{2}$  ft.  
base,  $1\frac{1}{2}$  ft. high. W. of cor.
- 40.05 Top of sand ridge bears N and S. desc.
- 68.00 Dry sand wash 25 lbs. wide 5 ft. deep course  
S.W. 0
- 80.00 The cor of secs. 19, 20, 29 and 30, heretofore described.  
Land rolling.  
Soil sandy, 3<sup>rd</sup> rate.  
No timber.

February 1<sup>st</sup> 1910

- Feb 3<sup>rd</sup> 1910 At 7<sup>h</sup> 15<sup>m</sup> am <sup>lmt</sup> set off. 35° 32' N. on  
the lat. arc, 16° 33 $\frac{1}{2}$ ' S. on the decl arc, and  
determine a meridian with the solar at the  
cor. of secs. 19, 20, 29 and 30 Thence I run  
N 0° 03' W. bet. secs. 19 and 20.  
Ascend S.E. slope over rolling sandy land through  
sage and greasewood brush undergrowth  
and bunch grass.
- 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 in.  
in the ground for  $\frac{1}{4}$  sec. cor. marked on brass  
cap.  $\frac{1}{4}$  S 19 on W. half and S 20 on E. half.  
Dig pits 18 x 18 x 12 in. N and S. of post 3 ft.  
dib, and raise a mound of earth  $3\frac{1}{2}$  ft.  
base  $1\frac{1}{2}$  ft. high. W. of cor.
- 64.50 Leave rolling sandy land bears N.E. and S.W.  
Enter stony land bears N.E. and S.W. asc.  
abruptly over S.E. slope of mesa.
- 66.80 Top of ascent on S. edge of mesa bears N.E.  
and S.W., leave stony land bears N.E. and S.W.

80.00 Enter rolling sandy mesa land bears N.E. and S.W.  
 Sehans 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 25 N 318  
 in N.W., T 14 E 317 in N.E., 320 in S.E. and S19  
 in S.W. quadrants.  
 Dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft.  
 dia., and raise a mound of earth 4 ft. base  
 2 ft. high. W. of cor.  
 Land rolling and broken.  
 Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 No timber.

40.00 N 89° 58' E on a random line bet. sec. 17 and 20  
 Set temp. 1/4 sec. cor.  
 79.96 Intersect N and S. line at the cor. of sec. 16, 17,  
 20 and 21 <sup>as previously described</sup> Thence S. run

S 89° 58' W. on a true line bet. sec. 17 and 20.  
 Around E slope on rolling sandy land through sage  
 brush undergrowth and bunch grass.  
 39.98 Sehans iron post 3 ft. long 1 in in diam. 26 ins. in  
 the ground for 1/4 sec. cor. marked on brass cap.  
 14 S 17 on N.E. half and 320 on S. half.  
 Dig pits 18 x 18 x 12 ins. East W. of post 3 ft. dia.  
 and raise a mound of earth 3 1/2 ft. base 1 1/2  
 ft. high. W. of cor.

73.30 Leave rolling sandy land bears N.E. and S.W.  
 Around E. slope of mesa over broken stony  
 land bears N.E. and S.W.

75.00 Top of sand stone cliffs 125 ft. high. bears  
 N.E. and S.W. Leave broken stony land bears  
 N.E. and S.W. Enter rolling sandy mesa land

79.96 The cor. of sec. 17, 18, 19 and 20, heretofore described.  
 Land rolling and broken.  
 Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 No timber

40.00 S 89° 59' W. on random line bet. sec. 18 and 19  
 Set temp. 1/4 sec. cor.  
 79.94 Intersect W. base of Twp at the cor. of sec.

Subdivision of Twp 25 N. R 14 E.

Chain

BOOK 2590

estab. by me and described in Exterior Book "L"  
13, 18, 19 and 24. Thence I run

1159°59' E on a true line bet. sec. 18 and 19,  
Ascend W. slope over hilly sandy land through  
scattering sage brush and bunch grass.

4.20 Foot of Sand stone cliffs. 120 ft. high bears  
N.E. and S.W. Leave hilly land bears N.E. and  
S.W. ascend W. slope of mesa over stony  
broken land bears N.E. and S.W.

5.50 Top of Cliffs on W. edge of mesa bears  
N.E. and S.W. Leave stony land bears N.E. and  
S.W. Enter rolling sandy and gravelly land  
bears N.E. and S.W.

3994 Set an iron post. 3 ft. long 1 in. in diam  
26 ins. in the ground for 1/4 sec. cor. marked  
on bears cap 4 S18 on N. half and S19 on  
S half.

Dig pits 18x18x12 in. East W. of post 3 ft.  
ditch and raise a mound of earth 3 1/2 ft.  
base 1 1/2 ft. high. No. of cor.

4994 The cor. of sec. 17, 18, 19 and 20, heretofore  
Land rolling broken and hilly. described  
Soil. sandy gravelly and stony 3<sup>rd</sup> and 4<sup>th</sup> note  
No timber.

February 3<sup>rd</sup> 1910.

Feb 4<sup>th</sup> 1910 At 7<sup>30</sup> am <sup>4. mt.</sup> set off. 35°33' N. on the  
line are. 16°18' S. on the decl. are. and determine a  
meridian with the solar at the cor. of sec. 17  
18, 19, and 24. <sup>heretofore described</sup> Thence I run

1150°03' W. bet. sec. 17 and 18.  
Over level sandy mesa land through sage and  
greasewood brush undergrowth and bunch  
grass.

27.80 North edge of mesa bears N.E. and S.W. Leave  
level land bears N.E. and S.W. Descend Sand stone  
cliff 30 ft. high bears N.E. and S.W.

28.30 Foot of Cliffs. Leave stony land bears N.E. and S.W.  
enter sandy land bears N.E. and S.W. desc. gradually

3360 Dry ravine course N.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 bears cap 4 S18 on W. half and S17 on E half.

Chain

- 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.
- 67.00 Leave sandy land bears N.E. and S.W. Enter stony land bears N.E. and S.W. ascend. sand stone cliff. 30 ft. high. bears N.E. and S.W.
- 70.00 Top of cliff bears N.E. and S.W. leave stony broken land bears N.E. and S.W. Enter level sandy mesa land bears N.E. and S.W.
- 77.00 Leave level land bears E. and W. Enter stony land. bears E and W. desc. cliff 25 ft. high.
- 78.50 Foot of cliff bears E and W. leave broken land bears E and W. Enter rolling sandy land. bears E and W. desc gradually over N. slope.
- 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 bears Cop T 25 N, S 7 in N.W. R 14 E. S 8 in N.E. S 17 in S.E. and S 18 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 rolling and broken.  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber

- N 89° 58' E on a random line bet. secs. 8 and 17
- 40.00 Set top 1/4 sec. cor.
- 80.00 Direct N and S. line 7 lks S of the cor. of secs. 8, 9, 16 and 17, <sup>herebefore described</sup> thence turn
- S 89° 55' W. on a true line bet. secs. 8 and 17. Ascend E slope over hilly sandy land through sage and greasewood brush. undergrowth and bunch grass.
- 35.00 Top of sand ridge bears N. and S. desc.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for 4 sec. cor. marked on bears Cop 4 S 8 on N. half and S. 17 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.
- 63.00 Foot of descent in depression bears N.E. and S.W.

Drains

BOOK 2590

Drains NE. are.

70.60 Top of rocky ridge bears N.E. and S.W. desc  
80.00 The cor. of secs. 7, 8, 17 and 18, heretofore described.  
Land hilly.  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber.

Feb 6<sup>th</sup> 1910 Ab. 7<sup>h</sup> 45<sup>m</sup> a.m. <sup>cont.</sup> set off. 35° 34' N.  
on the lat. arc. 15° 59' S on the decl. arc and  
determine a meridian with the solar at the  
cor. of sec 7, 8, 17 and 18, <sup>heretofore described</sup> thence run  
S 89° 59' W on a random line bet. sec 7 and 18.

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

79.82 Intersect W. l. by  $\frac{1}{4}$  sec. 16 lbs. S. of the cor.  
of sec. 7, 12, 13 and 18, <sup>estab. by me & described in Exterior Book "II"</sup> thence run  
S 89° 54' E on a true line bet. sec. 7 and 18.

ascend W. slope over hilly sandy land through  
sage and greasewood brush and bunch grass

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

39.82 Set iron post 3 ft. long 1 in. in diam. 26  
ins. in the ground for  $\frac{1}{4}$  sec. cor. marked out  
brass cap  $\frac{1}{4}$  S 7 in N. half and S 18 on S half.  
Dig pits 18 x 18 x 12 in. E. and W. of post 3 ft. dist.  
and raise a mound of earth 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft.  
high N. of cor.

71.20 Begin abrupt descent over sand stone bluff 30 ft.  
high bears N. and S.

72.00 Foot of bluff bears N. and S. desc. gradually

79.82 The cor. of secs. 7, 8, 17 and 18, heretofore described.  
Land hilly.  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber.

N 0° 03' W. bet. sec. 7 and 8.

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

2.50 Foot of descent in depression bears N.E. and S.W. drains  
N.E. are.

9.20 Bears sandy land bears N.E. and S.W. Entire stony land.  
bears N.E. and S.W. are. cliffs 25 ft. high. bears N.E. and S.W.

Chain

- 10.25 Top of Cliffs bear N.E. and S.W., bears stony land bear N.E. and S.W., Enter rolling sandy mesa land. around S. 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 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. deep and raise a mound of earth 3  $\frac{1}{2}$  ft. base 1  $\frac{1}{2}$  ft. high W. of cor.
- 65.00 Top of sand ridge bear E. and W. desc gently
- 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 cap T 25 N, S 6 in N.W., R 14 E S 5 in N.E. S 8 in S.E. and S 7 in S.W. quadrants.  
Dig pits 18 x 18 x 12 ins. in each sec. 5  $\frac{1}{2}$  ft. deep and raise a mound of earth 4 ft. base 2 ft. high W. of cor.  
Land rolling and hilly.  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
No timber.

- N 89° 55' E on a random line bet. secs 5 and 8
- 40.00 Set temp.  $\frac{1}{4}$  sec. cor.
- 80.00 Intersect N and S. line at the cor. of secs 4, 5, 7, 8 <sup>heretofore described</sup> and  $\frac{1}{4}$  thence run S 89° 55' W, on a true line bet. secs. 5 and 8.  
Around N.E. slope over rolling sandy land through sage and greasewood brush, undergrowth and bunch grass.
- 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for  $\frac{1}{4}$  sec. cor. marked on brass cap 4 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. deep and raise a mound of earth 3  $\frac{1}{2}$  ft. base, 1  $\frac{1}{2}$  ft high W. of cor.
- 80.00 The cor. of secs. 5, 6, 7 and 8, heretofore described.  
Land rolling.  
Soil sandy 3<sup>rd</sup> rate,  
No timber.

NOTE At this cor. I set off. 15°  $\frac{5}{4}$  S on the decl. arc and at noon observe the sun on the meridian and obtain on the hor. arc, a reading of 35° 35' N.



BOOK 2590

N 89° 54' W. on a random line bet. secs. 6 and 7.  
40.00 Set temp.  $\frac{1}{4}$  sec. cor.

79.72 Intersect N. bdy. of Twp. 3 - lks N. of the cor. of  
the cor. of secs. 1, 6, 7 and 12, <sup>estab. by line bet. described in Exterior Book "L"</sup> Thence Drive

S 89° 55' E on a true line bet. secs. 6 and 7.

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

39.72 Set an iron post 3 ft. long 1 in. in diam. 26  
ins. in the ground for  $\frac{1}{4}$  sec. cor. marked out  
brass cap # 56 on N. half and 37 on S. half.  
Dig pits 18 x 18 x 12 ins. East W. of post 3 ft.  
dib. and raise a mound of earth 3  $\frac{1}{2}$  ft.  
base 1  $\frac{1}{2}$  ft. high. N. of cor.

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

79.72 The cor. of secs. 5, 6, 7 and 8, heretofore described.  
Land rolling and hilly.  
Soil sandy 3<sup>rd</sup> rate.  
No timber.

N 8° 03' W. on a random line bet. secs. 5 and 6.

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

80.16 Intersect N. bdy. of Twp. 16 lks. N 89° 58' E. of the cor.  
of secs. 5, 6, 31 and 32, <sup>estab. by me with described in Exterior Book "L"</sup> Thence Drive

S 0° 10' E on a true line bet. secs. 5 and 6.

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

24.90 Sand stone bluff. 60 ft. high. bears NE. and  
S.W. Lean rolling sandy land bears NE and S.W.  
Enter stony land bears NE and S.W. are abruptly

25.50 Top of sand stone bluff. bears NE. and S.W.  
Lean stony land bears NE and S.W. Enter  
rolling sandy mesa land bears NE and S.W.  
Asc. Gradually over rolling sandy land.

40.16 Set an iron post 3 ft. long 1 in. in diam. 26 ins.  
in the ground for  $\frac{1}{4}$  sec. cor. marked out brass  
cap # 56 on W. half and 35 on E half.

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



80.16

The con. of secs. 5, 6, 7 and 8, heretofore described.  
 Land rolling and broken.  
 Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 No timber

February 5<sup>th</sup> 1910.

General Description.

The land in this township varies from level land in the southern portion along the Crater Wash. to high broken mesa land in the northern portion and the soil ranges from 2<sup>nd</sup> to 4<sup>th</sup> rate. The soil in the southern portion of the Twp. is a sandy loam mixed with adobe, and will produce certain kinds of crops without irrigation. The soil over the mesa portion of the Twp. is mostly all sand with the exception of the mesa bluffs which are red sandstone of a friable nature. The township is poorly watered, and no timber was found within its boundaries.

There are no permanent settlers, either Indians or Whites in the township.

Sydney E. Black

U.S. Examiner of Surveys

Feb. 5 1910.

U.S. EXAMINER OF SURVEYS  
FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

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 Tps 25 N. R. 14 E. of the Gila and Salt River Basins and Meridian in the Territory of Arizona

showing the respective capacities in which they acted:

- W. L. Warner Van L. White Compassman  
Chainman.
- Earl Albright Chainman.
- J. J. White Chainman
- Ralph Sampson Moundman.
- Chas. L. Shumway Moundman
- William A. Carson 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 Tps. 25 N., Range  
No. 14 East

of the Gila and

Salt River Basin 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, and the corner monuments established, according to the instructions furnished by the Commissioner

- of the General Land Office Van L. White Compassman
- Earl Albright Fred L. Warner Chainman.
- J. J. White Chainman.
- William A. Carson Flagman Moundman
- Chas. L. Shumway Moundman
- Ralph C. Sampson Moundman

Subscribed and sworn to before me this 21<sup>st</sup>  
day of February 1910

Sidney E. Blouh  
U. S. Examiner of Surveys



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EXAMINER OF SURVEYS  
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

BOOK 2590

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

I, Sidney E. Blout,  
solemnly swear that, in pursuance of ~~Special Instructions~~ Special Instructions received from ~~the Commissioner of~~ the General Land Office  
~~United States Surveyor General~~ of the Gila and Salt bearing date of the  
2nd day of Oct. 1907 and the 15<sup>th</sup> day of May 1908, I have well, faithfully, and truly, in my own  
proper person, and in strict conformity with the ~~instructions~~ special instructions furnished by the ~~United States~~ 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. 25 N. Range No. 14 East.

of the Gila and Salt  
River Base and meridian, in the Territory of Arizona, which are represented in the  
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly  
swear that all the corners of said survey have been established and perpetuated in strict accordance with  
the Manual of Surveying Instructions, and the special written instructions of the ~~United States~~ 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 14<sup>th</sup> day of March, 1914

Frank Ingalls  
SURVEYOR-GENERAL OF ARIZONA



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 25 1914

The foregoing field notes of the survey of the Subdivision lines of  
Township 25 North, Range 14 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  
dated Oct. 2, 1907 and May 15, 1908, having been  
critically examined, and the necessary corrections and explanations made, the said field notes, and the  
surveys they describe, are hereby approved.

Frank Ingalls  
~~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.