

Standard  
BOOK "G"

2513

BOOK 2513

FIELD NOTES

OF THE SURVEY OF THE

Retraciments and Re Survey of the 6<sup>th</sup> Standard  
Parallel North through Range No 19 East

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED  
AS SURVEYED BY

Sidney E. Blunt, United States Examiner of Surveys  
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

Retraciments  
and Re Survey commenced April 24<sup>th</sup> \_\_\_\_\_, 1910

Retraciment and  
Re Survey completed May 16<sup>th</sup> \_\_\_\_\_, 1910

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NAMES AND DUTIES OF ASSISTANTS.

<u>Van L. White</u>	<u>Chairman</u>
<u>Fred L. Warner</u>	<u>Chairman</u>
<u>Chas L. Shumway</u>	<u>Chairman</u>
<u>T. V. White</u>	<u>Chairman</u>
<u>Ralph C. Sampson</u>	<u>Moundman</u>
<u>William R. Carson</u>	<u>Flagman</u>

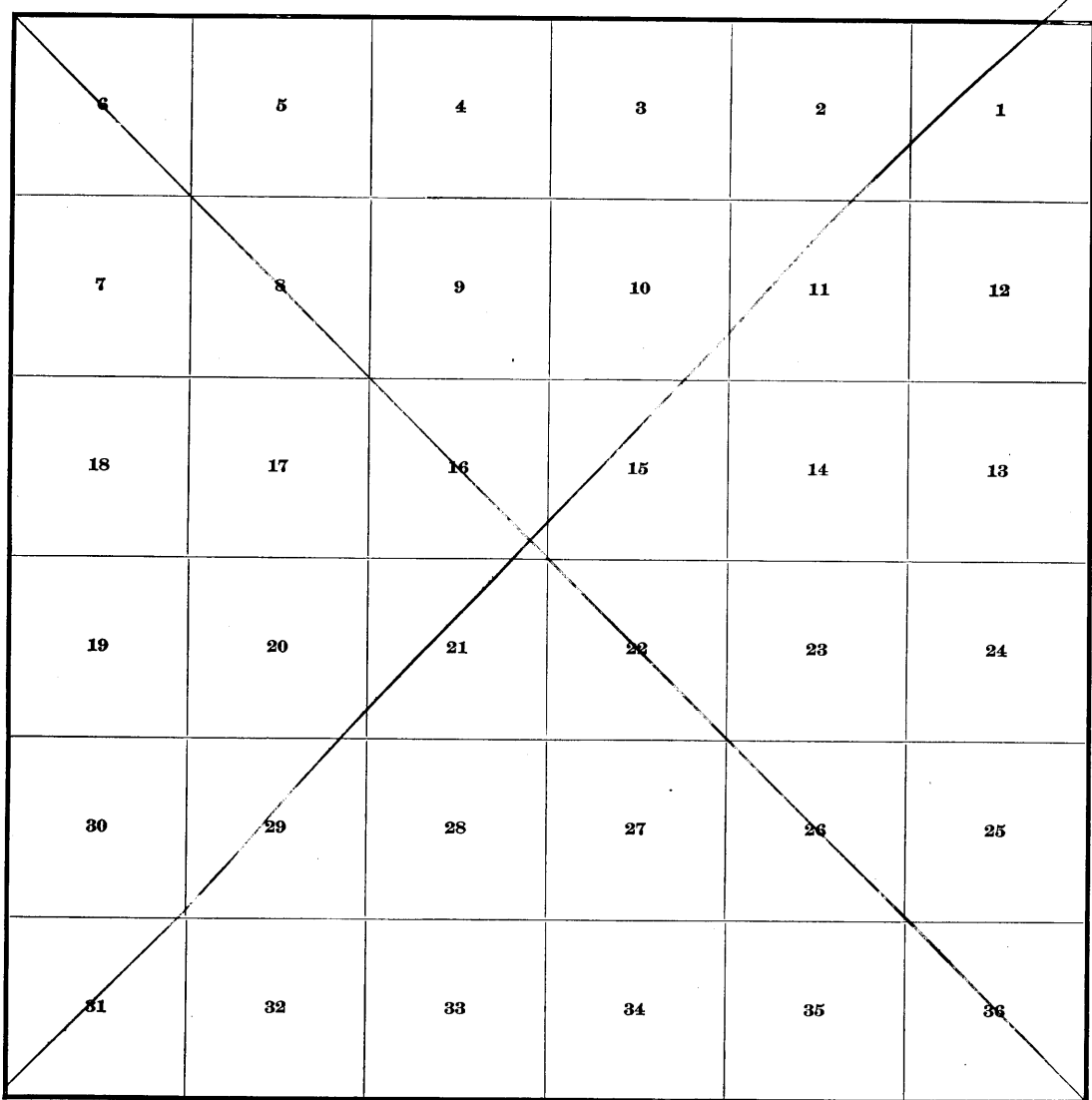
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Township 25N, Range 19E



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6<sup>th</sup> Standard Parallel North

PRELIMINARY OATHS OF ASSISTANTS.

WE, Fred L. Warner, N. J. White and Chas. L. Shumway and Van L. White  
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 <sup>retacement and re-</sup> given us, in the survey of 6<sup>th</sup> Standard Parallel North through R. 19 E. of the G. & S. R. Meridian, Arizona

Van L. White and Fred L. Warner ..... Chainmen.  
Chas. L. Shumway and N. J. White ..... Chainmen.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of April ..... 1910



Sidney E. Blouh  
U.S. Examiner of Surveys

I, Ralph C. Sampson  
do solemnly swear that ~~we~~ will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given ~~us~~ <sup>me</sup> to the best of ~~our~~ <sup>my</sup> skill and ability, in the survey of Retacement and resurvey of the 6<sup>th</sup> Standard Parallel North through R. 19 E. of the G. & S. R. Meridian, Arizona

Ralph C. Sampson ..... Moundman.  
..... Moundman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of April ..... 1910



Sidney E. Blouh  
U.S. Examiner of Surveys

~~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 \_\_\_\_\_, 19\_\_\_\_\_~~



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 <sup>retacement and</sup> resurvey of 6<sup>th</sup> Standard Parallel North through R. 19 E. of the G. & S. R. Meridian, Arizona

William R. Carson Flagman.

Subscribed and sworn to before me this 24<sup>th</sup>  
day of April ..... 1910



Sidney E. Blouh  
U.S. Examiner of Surveys

Retracement of the 6<sup>th</sup> Standard Parallel North through R19E, Chains

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Survey commenced April 24<sup>th</sup> 1910 and executed with a W. and S. E. Gurley engineers transit No. 76 with a Burk. Solar attachment. The horizontal limb is provided with one double vernier reading to single minutes of arc. The verniers of the latitude and declination arcs read to 0'30" of arc.

Examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris. I proceed as follows:

At my camp, which is located on the 1/4 sec. cor. T4h. Secs 22 and 23 T 25 N. R 18 E., Latitude  $35^{\circ}32'2''$  N. Longitude  $110^{\circ}24'2''$  W. I set off  $35^{\circ}32'2''$  N. on the lat. arc,  $12^{\circ}50'$  N. on the decl. arc and determined a meridian with the solar and mark a point thereof by a tack driven in a stake set in the ground 5.00 chs N. of my instrument. April 24<sup>th</sup> 1910

April 25<sup>th</sup> 1910, At 5<sup>h</sup> 20<sup>m</sup> a.m. l.m.t. by my watch which is correct local mean time I observe Polaris at Eastern 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.

At 6<sup>h</sup> 00<sup>m</sup> a.m. l.m.t. I lay off the azimuth of Polaris  $1^{\circ}26'2''$  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 0.2 ins east of the point determined by the solar.

At 7<sup>h</sup> 00<sup>m</sup> a.m. l.m.t. I set off  $35^{\circ}32'2''$  N. on the lat. arc,  $13^{\circ}03'$  N. 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 east of the meridian determined by the Polaris observation.

# Retracement of the 6<sup>th</sup> Standard Parallel North through R 19 E. Chains

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The solar apparatus by p.m. and a.m. observations define positions for meridians respectively about 0'10" West- and 0'15" East. of the meridian established by the Polaris observations, therefore I conclude that the adjustments of the instrument are satisfactory.

I begin at the Standard Cor. of Twp. 25 N., R's 18 and 19 E., which <sup>described in Standard Book "F"</sup> I re-established March. 21 1910.

Latitude  $35^{\circ}30'35''$  N. Longitude  $110^{\circ}22'12''$  W.

At 9<sup>h</sup>00<sup>m</sup> a.m. I set off  $35^{\circ}30\frac{1}{2}'$  N. on the lat. arc.

$13^{\circ}03\frac{1}{2}'$  N. on the decl. arc and determine a meridian with the solar at the above cor. Thence I run

East. on a random line on S. ldy. of sec 31.

Difference bet. measurements of 40.00 Chs. by two sets of Chainmen is 06 lks., position of middle point,

By 1<sup>st</sup> set. 40.03 Chs.

By 2<sup>nd</sup> set 39.97 Chs. the mean of which is

40.00 I make a diligent search for the old stand  $\frac{1}{4}$  sec. cor which I fail to find. therefore I continue my alignment and measurements.

Difference bet. measurements of 80.00 Chs. by two sets of Chainmen is 10 lks., position of middle point

By 1<sup>st</sup> set. 80.05 Chs.

By 2<sup>nd</sup> set 79.95 Chs. the mean of which is

80.00 I make a diligent search for the old stand. Cor. of sec. 31 and 32. which I fail to find. therefore I continue my alignment and measurements.

Difference bet. measurements of 120.00 Chs. by two sets of Chainmen is 10 lks. position of middle point.

By 1<sup>st</sup> set. 120.05 Chs.

By 2<sup>nd</sup> set. 119.95 Chs. the mean of which is

120.00 I make a diligent search for the old stand  $\frac{1}{2}$  sec cor on S. ldy. of sec. 32., but fail to find any trace of same. I continue my alignment and measurements.

Difference bet. measurements of 159.84 Chs. by two sets of Chainmen is 16 lks. position of middle point

By 1<sup>st</sup> set. 159.92 Chs.

By 2<sup>nd</sup> set. 159.76 Chs. the mean of which is

159.84 Well 104 lks. N. of the <sup>old</sup> stand cor. of sec 32 and 33. which is a basalt. stone  $12 \times 8 \times 4$  ins. lying on a mound of stone marked and witnessed as described in the

original field notes furnished me by the Surveyor General. BOOK 2513

Course<sup>and dist.</sup> of line back to the Stand. Cor. of N/4 25 76. R 18 and 19 E is  $N 89^{\circ} 38' W.$ , 159.84 chs.

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

From the old Stand. Cor. of sec 32 and <sup>above described</sup> 33, I run East on a random line on S. ldy of sec. 33. Difference bet. measurements of 39.88 Chs. by two sets of Chainmen is 08 lks.; position of middle point:

By 1<sup>st</sup> Set. 39.92 Chs.

By 2<sup>nd</sup> Set. 39.84 Chs.; the mean of which is

39.88 <sup>39.88</sup> Fall 3 lks. S. of the <sup>old</sup> Stand.  $\frac{1}{4}$  sec. cor. which is a basalt stone 24 x 18 x 6 ins. above ground firmly set, marked and witnessed as described in the original field notes furnished me by the Surveyor General.

Course<sup>and dist.</sup> of line back to the Stand cor. of sec 32 and 33, is  $S 89^{\circ} 57' W.$ , 39.88 chs.

I begin at the old stand,  $\frac{1}{4}$  sec. cor. <sup>above described, and run East on a random line on S. ldy. of Sec. 33 on E. half mile, measuring from std  $\frac{1}{4}$  sec. cor.</sup> Difference bet. measurements of 40.12 Chs. by two sets of chainmen is 12 lks., position of middle point

By 1<sup>st</sup> Set. 40.18 Chs.

By 2<sup>nd</sup> Set. 40.06 Chs. the mean of which is

40.12 <sup>40.12</sup> Fall 24 lks. N. of the <sup>old</sup> Stand. Cor. of sec. 33 and 34 which is a basalt stone 12 x 10 x 5 ins. lying on a mound of stone, marked and witnessed as described in the original field notes furnished me by the Surveyor General.

Course<sup>and dist.</sup> of line back to the Stand  $\frac{1}{4}$  sec cor. is  $N 89^{\circ} 39' W.$ , 40.12 chs.

April 25<sup>th</sup> 1910.

April 26<sup>th</sup> 1910: At 8<sup>h</sup> 00<sup>m</sup> a.m. <sup>1.m.t.</sup> I set off  $35^{\circ} 30\frac{1}{2}' N.$  on the lat. arc.  $13^{\circ} 23' N.$  on the decl. arc and determine a meridian with the solar at the <sup>old</sup> Stand. Cor. of sec. 33 and <sup>above described</sup> 34, thence I run

East on a random line on S ldy. sec. 34. Difference bet. measurements of 39.78 Chs. by two sets of chainmen is 10 lks. position of middle point

By 1<sup>st</sup> Set. 39.73 Chs.

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Chains

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39.78 By 2<sup>nd</sup> Set. 39.83 Chs. the mean of which is  
Wall 9 lks. N. of the <sup>old</sup> Stand.  $\frac{1}{4}$  sec. cor. which is a  
basalt stone 10x6x4 ins. above ground, marked and  
witnessed as described in the Original field notes  
furnished me by the Surveyor General,  
Course <sup>and dist.</sup> of line back to the <sup>old</sup> Stand. Cor. of secs 33 and 34  
is  $N 89^{\circ} 52' W.$  39.78 chs.

I begin at the <sup>old</sup> Stand  $\frac{1}{4}$  sec. cor. above described and measure from  
same running E. on random line on  
S. bdy. of Sec. 34 on E. half mile.  
Difference bet. measurements of 39.92 Chs. by two sets of  
Chainmen is 12 lks., position of middle point

By 1<sup>st</sup> Set. 39.98 Chs.

39.92 By 2<sup>nd</sup> Set. 39.86 Chs. the mean of which is  
Wall 14 lks. S. of the old Stand Cor. of secs 34 and 35  
which is a basalt stone 12x10x6 ins. loosely set in  
a mound of stone, no. mark on stone and no. cor.,  
accessories.

Course <sup>and dist.</sup> of line back to the old Stand,  $\frac{1}{4}$  sec. cor. is  
 $S 89^{\circ} 48' W.$ , 39.92 chs.

NOTE At this cor. I set off  $13^{\circ} 25\frac{1}{2}' N.$  on the decl. arc and  
at noon observe the sun on the meridian and  
obtain on the lab. arc a reading of  $35^{\circ} 30\frac{1}{2}' N.$

From the <sup>old</sup> Stand Cor. of secs 34 and 35 <sup>above described</sup> I run  
East on a random line on S. bdy. of sec. 35.  
Difference bet. measurements of 40.06 Chs. by two sets  
of Chainmen is 06 lks., position of middle point

By 1<sup>st</sup> Set. 39.97 Chs.

40.00 By 2<sup>nd</sup> Set. 40.03 Chs., the mean of which is.  
I make a diligent search for the old Stand,  $\frac{1}{4}$  sec  
cor. which I fail to find., therefore I continued  
my alignments and measurements.

Difference bet. measurements of 79.12 Chs. by two sets  
of Chainmen is 10 lks., position of middle point.

By 1<sup>st</sup> Set. 79.07 Chs.

79.12 By 2<sup>nd</sup> Set. 79.17 Chs., the mean of which is.  
Wall 25 lks. N. of the old Stand, Cor. of secs 35 and  
36. which is a basalt stone 8x6x6 ins. loosely  
set in a mound of stone, marked and witnessed  
as described in the field notes furnished me by,  
the Surveyor General.



Course<sup>and dist.</sup> of line back to the<sup>old</sup> Stand cor. of secs 34<sup>and</sup> 35 is  
N 89° 49' W, 79.12 chs. BOOK 2513

From the<sup>old</sup> Stand Cor. of secs. 35 and 36<sup>above described</sup> run  
East on a random line on S. bdy. of sec. 36.  
Difference bet. measurements of 39.98 Chs. by two sets  
of Chainsmen is 10 lbs. position of middle point.

39.98

By 1<sup>st</sup> Set, 39.93 Chs.  
By 2<sup>nd</sup> Set 40.03 Chs., the mean of which is  
Full 16 lbs. N. of the old Stand  $\frac{1}{4}$  sec. cor. which is  
a basalt stone 12x10x6 ins. above ground, loosely set  
in a mound of stone, marked as described in the  
original field notes furnished by the Surveyor General,  
No corner accessories.

Course<sup>and dist.</sup> of line back to the<sup>old</sup> Stand. Cor. of secs 35 and 36 is  
N 89° 46' W., 39.98 chs.

I begin at the<sup>old</sup> Stand,  $\frac{1}{4}$  sec. cor. <sup>above described and measure from same, running E. on random line on S. bdy. of Sec. 36 on E. half mile.</sup>  
Difference between measurements of 38.58 Chs. by two  
sets of Chainsmen is 12 lbs. position of middle point.

38.58

By 1<sup>st</sup> Set, 38.52 Chs.  
By 2<sup>nd</sup> Set 38.64 Chs. the mean of which is  
Full 24 lbs. N. of the Stand. Cor. of N/W. 25 T6., R's 19  
and 20 E., which is a basalt. stone 14x10x6 ins.  
loosely set in a mound of stone, marked as described  
in the original field notes, furnished me by the  
Surveyor General. No corner accessories visible

Course<sup>and dist.</sup> of line back to the<sup>old</sup> Stand  $\frac{1}{4}$  sec. cor. is  
N 89° 39' W., 38.58 chs.

April 26<sup>th</sup> 1910

Resurvey of the 6<sup>th</sup> Standard Parallel North through R 19 E  
Chain

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May 16, 1910.

I find from my retracement of the 6<sup>th</sup> Standard Parallel North through Range 19E, that the line is defective in both alignment and measurement in excess of the allowable limits prescribed on page 79 of the Manual, paragraphs 250 and 251, and that some of the corners have been destroyed, therefore since no allotments of the land in the north tier of sec. in T 24 N., R 19 E. have been made based upon the surveys in this township as they now exist, I resurvey this line as follows:

I destroy all the old corners between the south east and south west corners of T 24 N., R 19 E., and establish a new Standard line between with corner at regular intervals of 4000 chs., throwing the fractional distance into the west half mile, and close the old surveys in T 24 N., R 19 E. upon the newly established line. The old closing cors. are all missing.

Resurvey commenced May 16<sup>th</sup> 1910 and executed with a Wood L. E. Gurley engineers transit No. 76 with a Burt 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 find them to be perfect, and know from recent tests of the solar apparatus, by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a meridian established by observations on Polaris, that the instrument is in satisfactory adjustment.

I begin at the <sup>old</sup> Stand. Cor. of T 24 N., R 19 and 20 E. <sup>here before described</sup> Latitude 35° 30' 35" N., Longitude 110° 15' 49" W.

This cor. being in a dilapidated condition and without cor. accessories I re establish it as follows: I destroy all evidence of the original cor., and re establish it in the same place as follows:

Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground for Stand. Cor. of T 24 N., R 19 and 20 E., marked on brass Cop. T 24 N. in N. half. R 19 E. S 36 in N. W. and R 20 E. S 31 in N. E. quadrant, from which a cedar 6 ins. in diam. bears N 76½° E 50 lks. dist. marked T 24 N., R 20 E S 31 B.T.

A Cedar 14 ins. in diam. bears  $N 89\frac{1}{4}^{\circ} W$  58 lbs. dist. marked T 25 N., R 19 E. S 36 B.T.

May 16<sup>th</sup> 1910<sup>1. m.t.</sup> Ch. 7<sup>h</sup> 00<sup>m</sup> a.m.  $S$  reb. off.  $35^{\circ} 30\frac{1}{2}' N$ . on the lat. arc,  $19^{\circ} 00' N$ . on the decl. arc and determined a meridian with the solar alt. the above described Cor. Thence I run.

$N 89^{\circ} 47' W$ . on a true line on S. bdy. of sec 36.

Ascend broken stony N.E. slope over mountainous land through cedar and pine on pine timber

7.55- Top of spur 100 ft. above Cor. bears N. and S. desc.

11.40 Dry ravine 75 ft. below top of spur Course N. asc.

14.50 Top of spur 40 ft. above ravine, bears N and S. desc.

19.45- Dry ravine 50 ft. below top of spur, Course  $N 20^{\circ} W$ . ascend abruptly.

22.60 Top of spur 75 ft. above ravine bears N. and S. desc.

25.40 Dry ravine 20 ft. below top of spur Course N. asc.

27.60 Top of spur 25 ft. above ravine bears  $N 20^{\circ} W$  and  $S 20^{\circ} E$  desc.

34.75- Dry ravine 10 lbs. wide 20 ft. deep Course  $N 30^{\circ} W$ . and over malap's bluffs 25 ft. high.

36.10 Top of bluff bears N and S. Continue steep ascent of spur

39.88 Top of rocky spur 20 ft. above top of bluff. bears N and S. desc. to slope.

Difference bet. measurements of 40.00 Chs by two sets of chainmen is 12 lbs. position of middle point.

By 1<sup>st</sup> Set. 40.06 Chs.

By 2<sup>nd</sup> Set. 39.94 Chs., the mean of which is.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for <sup>re-established</sup> stand.  $\frac{1}{4}$  sec. Cor. marked on brass cap  $\frac{1}{4}$  S 36. on N. half. from which.

A Cedar 6 ins. in diam. bears  $N 43\frac{1}{4}^{\circ} W$  123 lbs. dist. marked S.C.  $\frac{1}{4}$  S 36 B.T.

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

56.48 Dry ravine 30 lbs. wide 3 ft. deep Course  $N 30^{\circ} W$ , asc.

Difference bet. measurements of 80.00 Chs. by two sets of chainmen is 14 lbs. position of middle point.

By 1<sup>st</sup> Set. 80.07 Chs.

By 2<sup>nd</sup> Set. 79.93 Chs., the mean of which is.

80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for <sup>re-established</sup> stand. Cor. of sec. 35 and 36, marked on

Reurvey of the 6<sup>th</sup> Standard Parallel North through R19E  
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brass Cap. T25 N., S 35 in N.W., R19 E, S 36 in N.E. quadrant.  
 from which.

A Cedar 6 ins. in diam bears N44° E 51 lbs. dist.  
 marked T25 N., R19 E S 36 B.T.

A cedar 8 ins. in diam. bears N. 39 1/4° W 26 lbs. dist.  
 marked T25 N., R19 E, S 35 B.T.

Land mountainous.

Soil stony 4<sup>th</sup> rate.

Timber Juniper pine and cedar

Mountainous land 80.00 Chs.

Destroy the old standard Cor. of sec. 35 and 36.

N 89° 47' W. on a true line on S. bdy. of sec. 35.

ascend E slope of spur over stony mountainous land  
 through juniper pine and cedar timber and brush.

0.10 Top of spur 5 ft. above cor. bears N 30° E and S 30° W, cedar  
 in mountainous land, bears N.E. and S.W., enter hilly  
 land, desc. N.W. slope.

2.15 Dry ravine 100 lbs. wide, 2 ft. deep course N 40° E. asc.  
 gradually

10.10 Road from Winslow Arizona to Steam Canyon  
 Arizona bears N 20° E and S 20° W.

Difference bet. measurements of 40.00 Chs. by two sets  
 of chainmen is 08 lbs. position of middle point  
 By 1<sup>st</sup> set. 39.96 Chs

By 2<sup>nd</sup> set 40.04 Chs. the mean of which is.

40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the  
 ground for <sup>reestablished</sup> stand. 1/4 sec. cor. marked on brass Cap 1/4 S  
 35 on N. half., from which.

A cedar 10 ins. in diam. bears. N 35° W 26 lbs. dist.  
 marked S.C 1/4 S 35 B.T.

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. tall, 1 1/2 ft. high N. of cor.

48.00 Leave hilly land bears N and S., enter stony mountainous  
 land, desc. abruptly over W. slope of bluff. 10 ft. high.

48.70 Foot of bluff. bears N and S descend steeply

67.20 Dry ravine 50 lbs. wide 100 ft. below top of bluff.  
 course N 30° W. asc.

67.25 Old wood road bears N 30° W and S 30° E

67.70 Begin abrupt rocky ascent over S.E. slope of spur

71.80 Top of rocky spur bears N.E. and S.W. desc.

78.55 Dry ravine 5 lks. wide 10 ft. below top of spur Course N 20° E. asc.  
 Difference bet. measurements of 80.00 Chs. by two sets of  
 Chainmen is 12 lbs. position of middle point,  
 By 1<sup>st</sup> set. 79.94 Chs.  
 By 2<sup>nd</sup> set 80.06 Chs.; the mean of which is  
 80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in  
 the ground for <sup>reestablished</sup> stand. Cor. of sec. 34 and 35, marked  
 on brass cap T 25 N. S 34 in N.W. and R 19 E. S 35 in  
 N.E. quadrant, from which.  
 A cedar 10 ins. in diam. bears N 75 3/4° E 50 lbs. dist.  
 marked T 25 N., R 19 E S 35 B.T.  
 A cedar 8 ins. in diam. bears N 38 1/2° W 48 lbs. dist.  
 marked T 25 N. R 19 E S 34 B.T.  
 Land hilly and mountainous.  
 Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 Timber pinon pine and cedar.  
 Mountainous land 32.10 Chs.  
 Destroy the old stand. Cor. of sec. 34 and 35

N 89° 47' W. on a true line on S. bdy. of sec. 34.  
 ascend steep S.E. slope of spur over stony mountainous  
 land through scattering pinon pine and cedar timber  
 9.35 Top of spur bears N and S. Extends 5.00 Chs. N. of line  
 desc. W. slope  
 11.54 Dry ravine 30 ft. below top of spur Course N. asc.  
 31.50 Top of spur bears N.E. and S.W. desc.  
 38.00 Dry ravine 8 lks wide 2 ft. deep Course S.W. asc.  
 Difference bet. measurements of 40.00 Chs. by two sets of  
 Chainmen is 10 lbs. position of middle point.  
 By 1<sup>st</sup> set. 40.05 Chs.  
 By 2<sup>nd</sup> set 39.95 Chs., the mean of which is  
 40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in  
 the ground for <sup>reestablished</sup> stand. 1/4 sec. cor. marked on brass cap  
 1/4 S 34 on N. half, from which.  
 A cedar 10 ins. in diam. bears N 12° E 154 lbs. dist.  
 marked S.C. 1/4 S 34 B.T., No other trees suitable for  
 bearing trees available.  
 Build a mound of stone 2 ft. base 1 1/2 ft. high N. of  
 cor. Pits impracticable  
 Destroy the old stand. 1/4 sec. cor. at this place.  
 42.25 Top of rocky spur bears N.E. and S.W. desc.

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- 54.25 Dry ravine 30 ft. below top of spur, Course S. 30° W. also.
- 57.75 Top of rocky spur 20 ft. above ravine bears N.E. and S.W. desc.
- 63.65 Dry ravine 50 ft. below top of spur Course S.E. asc.
- 72.28 Top of spur 20 ft. above ravine bears N and S. desc.
- 76.85 Dry ravine 15 lbs, wide 20 ft. deep Course N.E. asc.  
Difference bet. measurements of 80.00 Chs. by two sets of chainmen is 12 lbs. position of middle point  
By 1<sup>st</sup> Set. 80.06 Chs.  
By 2<sup>nd</sup> Set. 79.94 Chs., the mean of which is <sup>24 ins. in the ground</sup> re-established  
80.00 Set an iron post 3 ft. long 3 ins. in diam. for stand. cor. of sec. 33 and 34, marked on brass cap. T25N. S33 in N.W. and R19E, S34 in N.E. quadrants, from which. A cedar 12 ins. in diam. bears N18°E, 52 lbs. dist. marked T25N. R19E S34 B.T.  
A cedar 12 ins. in diam. bears N46 $\frac{1}{4}$ °W, 48 lbs. dist. marked T25N. R19E, S33 B.T.  
Land mountainous.  
Soil stony 3<sup>rd</sup> and 4<sup>th</sup> rates.  
Timber pinon pine and cedar  
Mountainous land 80.00 Chs.  
I destroy the old stand cor. of sec. 33 and 34. at this place.
- NOTE At this cor. I set off 19°02' N. on the decl. arc. and at noon observed the sun on the meridian, and obtain on the lat. arc a reading of 35°30 $\frac{1}{2}$ ' N.
- 8.10 NW 89°47' W. on a true line on S. bdy. of sec. 33. Ascend E slope of spur over stony mountainous land through scattering pinon pine and cedar timber.
- 10.42 Dry ravine 20 ft. below top of spur, Course S 30° E asc. N.E. slope.
- 26.35 Top of high divide bears N50°E and S50°W desc over N.W. slope
- 30.62 Dry ravine 10 lbs. wide Course S60°E asc.
- 37.05 Top of spur bears N.E. and S.W. desc.  
Difference bet. measurements of 40.00 Chs. by two sets of chainmen is 12 lbs., position of middle point.

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- By 1<sup>st</sup> Set. 39.94 Chs.  
 By 2<sup>nd</sup> Set 40.06 Chs. the mean of which is  
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground <sup>re-established</sup> for stand. 1/4 sec. cor. marked on brass Cap. 1/4 S 33 on N. half., from which.  
 A Cedar 10 ins. in diam. bears N 31 1/2° W 68 lbs. dist. marked S.C. 1/4 S 33 B.T. No other trees suitable for bearing trees available.  
 Dig pits 18x18x12 ins. East W. of post, 3 ft. dia. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high to of cor.  
 I destroy all evidence of the old stand 1/4 sec. cor. at this place.  
 50.65 Dry ravine 80 ft. below cor. Course S 50° W. and  
 56.95 Top of spur 75 ft. above ravine bears N.E. and S.W. desc. N.W. slope  
 65.20 Dry rocky ravine 70 ft. below top of spur. Course S 80° W. asc.  
 70.00 Point of spur bears N.E. and S.W. desc.  
 75.30 The same ravine 20 lbs. wide, 4 ft. deep course N 67° W  
 Difference bet. measurements of 80.00 Chs. by two sets of chainmen is .14 lbs. position of middle point.  
 By 1<sup>st</sup> Set. 80.07 Chs.  
 By 2<sup>nd</sup> Set 79.93 Chs.; the mean of which is .  
 80.00 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in the ground <sup>re-established</sup> for stand. cor. of sec. 32 and 33. marked on brass Cap. T 25 N. S 32 in N.W. and R19E. S 33 in N.E. quadrants, from which.  
 A Cedar 12 ins. in diam. bears N 67 1/2° E 99 lbs. dist. marked T 25 N. R19E. S 33 B.T.  
 A Cedar 8 ins. in diam. bears N 39° W 42 lbs. dist. marked T 25 N. R19E. S 32 B.T.  
 Land mountainous  
 Soil stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 Timber Spruce fir and Cedar.  
 Mountainous land 80.00 Chs.  
 I destroy all evidence of the old stand cor. of sec. 32 and 33 at this place.

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- N 89° 47' W on a true line on S. ldy. of sec. 32.  
Descend N.W. slope of spur over stony mountainous  
land through scattering cedar and few or fine  
timber
- 14.05 Dry ravine 40 lbs. wide 10 ft. deep course S 10° E. asc.  
Steep rocky S.E. slope of spur.
- 37.80 Top of ascent on point of high rocky spur bears North  
and N 70° E. descend abruptly over W. slope  
Difference bet. measurements of 40.00 Chs. by two sets of  
Chainmen is .08 lbs. position of middle point  
By 1<sup>st</sup> set, 39.96 Chs.  
By 2<sup>nd</sup> set 40.04 Chs.; the mean of which is;
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 26 in. in  
the ground for <sup>re-established</sup> stand  $\frac{1}{4}$  sec. cor. marked on brass Cap  
N 45° 32' on N. half, from which.  
A cedar 6 in. in diam. bears N 12 $\frac{3}{4}$ ° E, 101 lbs. dist.  
marked S C  $\frac{1}{4}$  S 32 B.T., No other trees suitable for  
bearing trees within limits  
Raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$  ft. high. 16 of cor.  
Pits impracticable
- 70.10 Dry sand wash 40 lbs. wide 200 ft. below  $\frac{1}{4}$  sec. cor.  
Course S 20° W Leave mountainous land bears N.E. and  
S.W., enter hilly land, asc. S.E. slope.  
Difference bet. measurements of 80.00 Chs. by two sets of  
Chainmen is 12 lbs. position of middle point.  
By 1<sup>st</sup> set, 79.94 Chs.  
By 2<sup>nd</sup> set 80.06 Chs., the mean of which is.
- 80.00 Set an iron post, 3 ft. long, 3 in. in diam., 24 in. in  
the ground for <sup>re-established</sup> stand, Cor. of sec. 31 and 32, marked  
on brass Cap T 25 N. S 31 in N.W., R 19 E. S 32 in N.E.  
quadrant, from which.  
A cedar 12 in. in diam. bears N 28 $\frac{1}{2}$ ° E 90 lbs. dist.  
marked T 25 N, R 19 E, S 32 B.T.  
A cedar 14 in. in diam. bears N 32 $\frac{3}{4}$ ° W 117 lbs.  
dist., marked T 25 N, R 19 E, S 31 B.T.  
Land hilly and mountainous.  
Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
Timber pinion pine and cedar.  
Mountainous land 70.14 Chs.

N 89° 47' W. on a true line on S. ldy. of sec. 31



Ascend S.E. slope over hilly sandy and stony land through scattering bur oak pine and Cedar timber  
 3.80 Cedar timber bears N.E. and S.W.  
 10.80 Top of ascent on S. face of Maloffs' Butte 50 ft. above Cor. bears N.W. and N.E., desc. over S.W. slope  
 17.80 Enter scattering Cedar timber bears N.W. and S.E.  
 37.50 Dry ravine 50 lbs wide, 2 ft. deep course S 15° W desc. S.E. slope of sand ridge  
 Difference bet. measurements of 40.00 Chs. by two sets of Chainmen is .06 lbs. position of middle point.  
 By 1<sup>st</sup> set 40.03 Chs.  
 By 2<sup>nd</sup> set 39.97 Chs., the mean of which is  
 40.00 Set an iron post, 3 ft. long 1 in. in diam 26 ins. in the ground <sup>re-established</sup> for a stand. 1/4 Rec. cor. marked on bears Cap 1/4 S 31 on N. half from which  
 A cedar 20 ins. in diam bears N 49 1/2° W 137 lbs dist marked S.E. 1/4 S 31 B.T. No other tree in limits.  
 Dig pit 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.  
 From this cor a large spring bears N 40° E 22.00 Chs. dist.  
 41.80 Top of sand ridge 10 ft. above Cor. bears N.E. and S.W. desc.  
 49.30 Dry ravine 5 lbs. wide 2 ft deep course S 20° W. and  
 57.30 Cedar timber bears N and S.  
 Difference between measurements of 77.22 Chs. by two sets of Chainmen is .10 lbs. position of middle point.  
 By 1<sup>st</sup> set 77.27 Chs.  
 By 2<sup>nd</sup> set 77.17 Chs., the mean of which is  
 77.22 Intersect the Stand. Cor. of N.P.s. 25 N. R's 18 and 19 E. described in Standard Book "F" which I re-established March 21<sup>st</sup> 1910.  
 Land hilly.  
 Soil sandy and stony 3<sup>rd</sup> and 4<sup>th</sup> rate.  
 Timber prairie pine and Cedar.

May 16<sup>th</sup> 1910.

General Description  
 This line through R. 19 E. runs across a rough

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broken mountainous country, cut by by deep ravines which have a southerly course on the west three miles of the line and a northerly course on the east three miles.

Now nearly the entire distance the line passes through scattering cedar timber, and on the tops of the highest mesas some pinon pine is found.

The land on either side of the line is mountainous for a distance of several miles, and of no value except for grazing purposes.

The land in the township to the north should be subdivided, in order to furnish allotments of grazing lands to the Navajo Indians who live in the township, and own many hundred sheep cattle and horses.

Sidney E. Blount  
U.S. Examiner of Surveys

May 16<sup>th</sup> 1910.

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

LIST OF NAMES.

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A list of the names of the individuals employed by Sidney E. Blouh  
Examiner of Surveys  
United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the retracement and re- survey of the 6<sup>th</sup> Standard

Parallel North through R. 19 E. of the Gila and Salt River Base & Meridian, Arizona

showing the respective capacities in which they acted:

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

Chas. L. Spurrway and Van L. White ..... Chainmen.

Ralph C. Sampson ..... Moundman.

..... Moundman.

..... Aeman.

..... Aeman.

William R. Carson ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blouh

Examiner of Surveys retracing & re-  
United States Deputy Surveyor, in surveying all

those parts or portions of the 6<sup>th</sup> Standard Parallel North through

Range No. 19 East

of the Gila and

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

in the foregoing field notes as having been retraced & re- surveyed by him and under his direction; and that said retracement & re- survey

has been in all respects, to the best of our knowledge and belief, well and faithfully executed and the

corner monuments re-established, according to the instructions furnished by the Commissioner United States Surveyor

General for of the General Land Office

Fred L. Warner and Van L. White ..... Chainmen.

L. Y. White and Chas. L. Spurrway ..... Chainmen.

Ralph C. Sampson ..... Moundman.

..... Moundman.

..... Aeman.

..... Aeman.

William R. Carson ..... Flagman.

Subscribed and sworn to before me this 28<sup>th</sup>

day of July, 1910



Sidney E. Blouh

U.S. Examiner of Surveys

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EXAMINER OF SURVEYS  
FINAL OATH OF UNITED STATES DEPUTY SURVEYOR

I, Sidney E. Blout, <sup>Examiner of Surveys</sup> United States Deputy Surveyor, do solemnly swear that, in pursuance <sup>Special Instructions</sup> of a contract received from the Commissioner of the General Land Office, bearing date of the 9<sup>th</sup> day of Oct. 1907 day of 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 furnished by the <sup>Commissioner</sup> United States Surveyor General for of the General Land Office, the Manual of Surveying Instructions, and the laws of the United States, <sup>retraced and</sup> surveyed all those parts or portions of the 6<sup>th</sup> Standard Parallel North, through Range No. 19 East

Book

Reverend Base and meridian, in the Territory of Arizona, which are represented in the foregoing field notes <sup>retraced and re-</sup> 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 <sup>Commissioner</sup> United States Surveyor General for 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 <sup>retracement and re-</sup> survey.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_ }  
United States Deputy Surveyor.  
Examiner of Surveys.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona APR 26 1914

The foregoing field notes of the retracement and resurvey of  
the 6th Standard Parallel North through Range 19 East of the  
Gila and Salt River Base and Meridian, Arizona.

executed by Sidney E. Blout, U.S. Examiner of Surveys  
under <sup>Special Instructions from the Commissioner of the General Land Office</sup> his contract No. \_\_\_\_\_, dated October 2, 1907 and May 15, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the <sup>retracements</sup> resurveys they describe, are hereby approved.

Frank S. Ingalls  
United States Surveyor General.  
SURVEYOR-GENERAL OF ARIZONA

I certify that the foregoing transcript of the field notes of the above-described surveys in \_\_\_\_\_, has been correctly copied from the original notes on file in this office.

United States Surveyor General.