

Standard
BOOK "E"

2511

BOOK 2511

FIELD NOTES

OF THE SURVEY OF THE

Sixth Standard Parallel North through Range
13 and part of Range 14 East,

AND RESURVEY OF SAME

through part of Range 14 East

Of the Gila and Salt River Base and Meridian,

in the Territory of Arizona

EXECUTED
AS SURVEYED BY

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

Special Instructions from the Commissioner of the General Land Office

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

and Resurvey
Survey, commenced October 28th 1909, 1909

and Resurvey
Survey, completed Feb 7th 1910, 1910

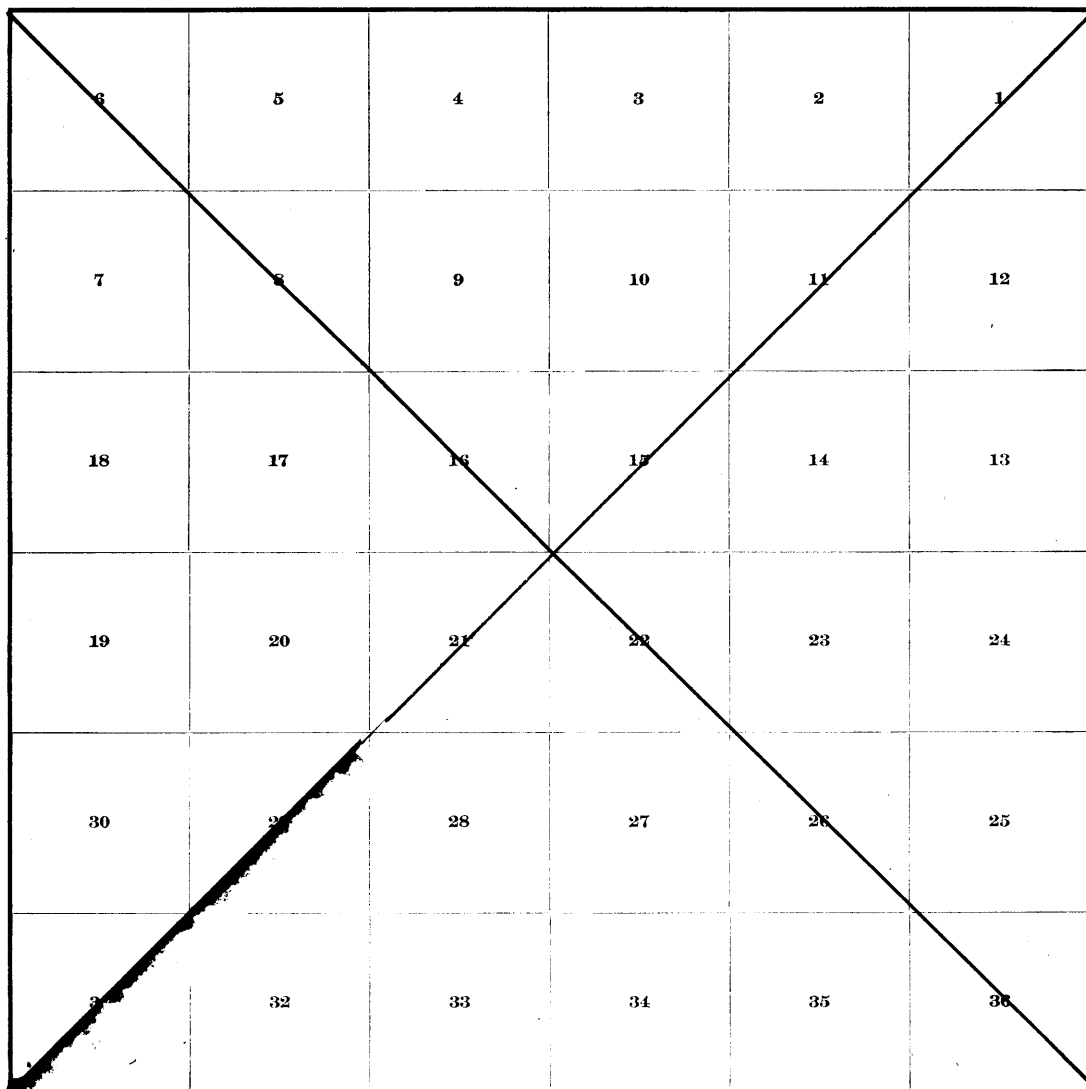
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1A

NAMES AND DUTIES OF ASSISTANTS.

<u>Vau L. White</u>	<u>Chairman</u>
<u>Pred L. Warner</u>	<u>Chairman</u>
<u>Earl Albright</u>	<u>Chairman</u>
<u>Chas L. Stumway</u>	<u>Chairman</u>
<u>William R. Carson</u>	<u>Woundman</u>
<u>Ralph S. Simpson</u>	<u>Flagman</u>

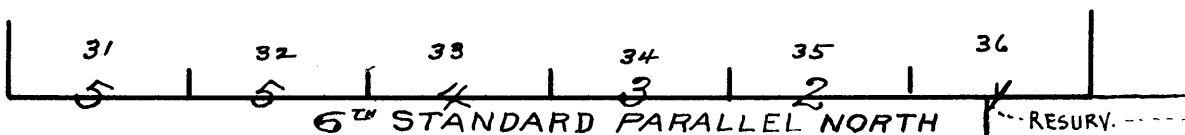
INDEX DIAGRAM.

Township _____, Range _____



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PRELIMINARY OATHS OF ASSISTANTS.

We, Fred L. Warner, Earl Albright 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 given us, in the survey of

The Sixth Standard Parallel North through Range 13 East and part of Range 14 East and resurvey of same through part of R. 14 E of the G. & S. R. Meridian, Arizona.

Chas L. Shumway and Fred L. Warner, Chainmen.
Earl Albright, Chainmen.

Subscribed and sworn to before me this 27th
day of October, 1909



Sidney E. Blouk
U. S. Commissioner of Surveys

We, J. William R. Carson and

do solemnly swear that I will well and truly perform the duties of moundman in the establishment or re-establishment of corners, according to the instructions given me to the best of my skill and ability, in the survey of

The Sixth Standard Parallel North through Range 13 East and part of Range 14 East and resurvey of same through part of Range 14 East of the G. & S. R. Meridian, Arizona.

J. W. Carson, Moundman.
Moundman.

Subscribed and sworn to before me this 27th
day of October, 1909



Sidney E. Blouk
U. S. Commissioner 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

The Sixth Standard Parallel North through Range 13 East and part of Range 14 East of the G. & S. R. Meridian, Arizona.

_____, Axman.
_____, Axman.

Subscribed and sworn to before me this _____
day of _____, 19____



I, Ralph C. Sampson, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of The Sixth Standard Parallel North through Range 13 East and part of Range 14 East and resurvey of same through part of Range 14 East of the G. & S. R. Meridian, Arizona.

Ralph C. Sampson, Flagman.

Subscribed and sworn to before me this 27th
day of October, 1909



Sidney E. Blouk
U. S. Commissioner of Surveys

and Resurvey
 Survey, Commenced October 28th 1909, and executed with a Waud S. E. Gurley engineers transit No 76 with a Burt Solar attachment, the horizontal limb being provided with one double vernier reading to single minutes of arc, the verniers of the latitude and declination arcs reading to 0'30" of arc.

Examine the adjustments of the transit and find them perfect and know from recent tests of the solar by comparing the results of observations made during a.m. and p.m. hours with a meridian established by observation on Polaris, that the instrument is in satisfactory adjustment.

Inquire at the Standard Cor. of Tps. 25 N. R. 14 and 15 E. ^{described in Exterior Book 5} which I re-established October 31st 1908.

Latitude 35° 30' 35" N. Longitude 110° 47' 45" W.

At 8^h 30^m a.m. ^{l.m.t.} set off 35° 30' 2" N. on the lat. arc 13° 01' S. on the decl. arc. and determine a

meridian with the solar. Then I run, resurveying to the closing corner of Tps. 24 N. R. 14 and 15 E. back on the S. side of Dec. 36.

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

Difference in measurements of 4000 chs. by two sets of chainmen is. 4 lbs., position of middle point By 1st set 39.98 chs.

By 2nd set 40.02 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 Standard 1/4 sec. cor. marked on brass cap 1/4 S 36 on N. half.

Dig pits 18x18x12 ins. E and W. of post 3 ft. dish. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high. 16. of cor.

41.45 - Intersect the ^{old} closing cor. of Tps. 24 N. R. 14 and 15 E. which is a sand stone 16x4x18 ins. above ground, loosely set. marked C.C. on S. face, with 6 grooves on E. S. and W. faces. No trace of pits and mound. This cor. being in a state of delapidation I destroy all evidence of the original cor. and re establish it in its original position as follows.

Set the same stone 18 ins. in the ground. for

Closing Cor. of Tps. 24 N. R. 14 and 15 E. marked

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C.C. on S. face. with 6 grooves on E. S. and W. faces.

Dig pits 30 x 24 x 12 ins. crosswise on line E and W. 4 ft. and S. of stone 8 ft. dia. and raise a mound of earth 5 ft. base, 2 1/2 ft. high S. of cor. thence surveying

43.00 Begin gradual descent down W. slope

62.00 Foot of descent. level rolling land bears N.E. and S.W. enter level a dobs bottom land bears N.E. and S.W.

66.38 Road from Winslow Arizona to Clark Arizona bears N.E. and S.W.

Difference bet. measurements of 80.00 Chs. by two sets of chainmen; is. 4 lbs.; position of middle point

By 1st set 79.98 Chs.

By 2nd set 80.02 Chs. the mean of which is.

80.00 Set an iron post 3 ft. long, 3/8 in diam. 24 ins. in the ground for. Stand cor. of sec. 35 and 36 marked on brass cap.

T 25 N. S 35 in N.W. and R 14 E S 36 in N.E. quadrants.

Dig pits 24 x 18 x 12 ins. crosswise on line E and W. 3 ft. and N. of post 7 ft. dia. and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.

Land level and rolling

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

West on S. face of Sec. 35.

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

25.32 Road leads from Winslow Arizona to Clark Arizona bears N.E. and S.W.

Difference between the measurements of 40.00 Chs. by two sets of chainmen is 2 lbs.; position of middle point

By 1st set 39.99 Chs.

By 2nd set 40.01 Chs. the mean of which is.

40.00 Set an iron post 3 ft. long, 1 in diam. 26 ins. in the ground for. Standard 1/4 sec. cor. marked on brass cap. 1/4 S 35 on N. 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.

- No. of cor.
 49.90 Right bank of the Crasbi Wash. 8 ft. high. bears N.E. and S.W.
 51.40 Center of dry bed of Wash. course S.W.
 53.00 Right bank of the Crasbi Wash. bears N.E. and S.W.
 61.25 Road from Winslow Arizona to Crasbi Arizona
 bears N.E. and S.W.

Difference between measurements of 80.00 Chs. by two sets of chainmen is 2 lbs. position of middle point.

By 1st set. 79.99 Chs.

By 2nd set 80.01 Chs.; the mean of which is.

- 80.00 Set an iron post. 3 ft long 3 in. in diam. 24 ins. in the ground for Standard Cor. of sec. 34 and 35 marked on Brass Cap. T 25 N S 34 in N.W. and R 14 E S 35 in N.E. quadrants.

Dig pits 24 x 18 x 12 ins crosswise on line E and W. 3 ft. and N. of post. 7 ft. dia. and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Sand level.

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

West on S. ldy. of Sec. 34.

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

Difference between the measurements of 40.00 Chs. by two sets of chainmen is 2 lbs. position of middle point.

By 1st set. 40.01 Chs.

By 2nd set. 39.99 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 Standard 1/4 sec. cor. marked on Brass Cap. 1/4 S 34 on N. half.

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

NOTE

At this cor. Ditch off. 13° 05' S. on the decl. arc and, at noon observe the sun on the meridian and obtain on the lat. arc a reading of 35° 30 1/2' N. Difference bet. the measurements of 80.00 Chs. by

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two sets of chainmen is 2 lks., position of middle point

By 1st set. 79.99 Chs.

By 2nd set. 80.01 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 Standard Cor. of sec. 33 and 34 marked on brass Cap. T 25 N. S 33 in N.W. R 14 E. S 34 in N.E. quadrant.

Dig pits 24 x 18 x 12 ins. crosswise on each line E and W 3 ft. and N. of post 7 ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. N. of cor.

Land level.

Soil sandy and Adobe 2nd and 3rd rate.

No timber

West on S. side of sec 33.

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

10.15 Road leads to Oasis, Ariz. from N.E. and S.W.

Difference between the measurements of 40.00 Chs. by two sets of chainmen is .02 lks. position of middle point.

By 1st set. 40.01 Chs.

By 2nd set. 39.99 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 Standard Cor. marked on brass Cap. $\frac{1}{4}$ S 33 on N. half

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

Difference between the measurements of 80.00 Chs. by two sets of chainmen is 2 lks. position of middle point.

By 1st set. 80.01 Chs.

By 2nd set. 79.99 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 Standard Cor. of sec. 32 and 33 marked on brass Cap. T 25 N. S. 32 in N.W., R 14 E S 33 in N.E. quadrant.

Dig pits 24 x 18 x 12 ins. crosswise on each line E and W. 3 ft. and N. of post 7 ft. dist. and raise a mound

of earth 4 ft base, 2 ft high. No of cor.
Land level
Soil sandy 2nd and 3rd rate.
No timber

October 28th 1909

October 29th 1909 At 8⁰⁰ am ^{lmt.} S^{ch} off 35° 30' N.
on the lat. arc. 13° 20' S. on the decl. arc and determine
a meridian with the solar at the Standard Cor.
of sec. 32 and 33 ^{heretofore described} Thence Drive

West on the S. boundary of sec. 32.
Over level sandy land. through sage and greasewood
brush undergrowth and bunch grass

Difference between the measurements of 40.00 chs by
two sets of chainmen is 2 lbs., position of middle
point
By 1st set 40.01 chs.

40.00 By 2nd set 39.99 chs. the mean of which is
Set an iron post 3 ft long 1 in diam 26 ins. in the
ground for Standard 1/4 sec. cor. marked on brass
cap 4532 on N. half.

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

Difference between the measurements of 80.00 chs
by two sets of chainmen is 2 lbs., position of middle
point.

80.00 By 1st set 80.01 chs.
By 2nd set 79.99 chs. the mean of which is.
Set an iron post 3 ft long 3 ins. in diam. 24 ins. in
the ground for Standard Cor. of sec. 31 and 32 marked
on brass cap. 725 N 831 in N.W. and R14 E. 832
in N.E. quadrants.

Dig pits 24x18x12 ins crosswise on each line
East W. 3 ft and N. of post 7 ft. dish. and raise
a mound of earth 4 ft. base, 2 ft. high No of cor.
Land level.

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

West on S. boundary of Sec. 31
Over level sandy and adobe land through sage

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and greasewood brush undergrowth and bunch grass
Difference between the measurements of 40.00 Chs. by
two sets of chainmen is 4 lbs. position of middle
point.

By 1st set. 40.02 Chs.

By 2nd set. 39.98 Chs. the mean of which is
40.00 Set an iron post. 3/4 ft. long 1 in in diam. 26 ins. in
the ground for Standard $\frac{1}{4}$ sec. cor. marked on brass
cap $\frac{1}{4}$ S 31 on N. half.

Dig pits 18x18x12 ins. E. and W. of post. 3/4 ft. dia. and
raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor.

Difference between the measurements of 80.00
Chs. by two sets of chainmen is 4 lbs. position
of middle point

By 1st set. 80.02 Chs.

By 2nd set. 79.98 Chs. the mean of which is
80.00 Set an iron post. 3/4 ft. long 3/4 in in diam. 24 ins. in
the ground for Standard Cor. of township N 40 25 T6.

R 13 and 14 E: marked on brass cap. T 25 N. in
N half. R 13 E S 36 in N.W. R 14 E S 31 in N.E. quad
each.

Dig pits 30x24x12 ins crosswise on each line
E and W. 4 ft. and N. of post. 8 ft. dia. and
raise a mound of earth 5 ft. base, 2 1/2 ft. high.
N. of cor.

Land level.

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

In this cor. I set off $13^{\circ} 25' S$. on the decl arc
and at noon observed the sun on the meridian
the resulting latitude being $35^{\circ} 30 \frac{1}{2}' N$.

October 29th 1909

Survey commenced Feb. 6th 1910 and executed with a W. & S. E. Surley engineers transit No. 76 with a Burk solar attachments, 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 $0^{\circ} 30''$ of arc.

I examined 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 sec. 15, 16, 21 and 22 T¹/₄ 25th 76. R. 13 E. Latitude $35^{\circ} 33' 76''$. Longitude $110^{\circ} 57' 20''$ W., I set off $35^{\circ} 33' 76''$ on the lat. arc. $15^{\circ} 37'$ S. on the decl. arc and at $3^h 30^m$ p.m. ^{l.m.t.} determine a meridian with the solar and mark a point thereof by a tack driven in a stake set firmly in the ground 5.00 chs N. of my instrument.

At $10^h 17.6^m$ 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.

1910
 Feb. 7th At $7^h 15^m$ a.m. ^{l.m.t.} I lay off the azimuth of Polaris $126.5'$ to the east and mark the meridian thus determined by a tack driven in the stake set east ending on which the meridian falls 0.2 ins east of the mark. determined by the solar observation
 At $7^h 30^m$ a.m. ^{l.m.t.} I set off $35^{\circ} 33' 76''$ on the lat. arc. $15^{\circ} 23\frac{1}{4}'$ S. on the decl. arc and determine a meridian with the solar and mark a point thereof by a tack driven in the stake already set 5.00 chs. N. of my instrument, this point falls .25 ins. East 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 0'13" east of the meridian established by the Polaris observation, therefore I conclude that the adjustments of the instrument are satisfactory

I begin at the Standard Cor. of Twp. 25 N. R's 13 and 14 ^{heretofore described}, which. Established October 29th 1909. Latitude $35^{\circ}30'35''$ N. Longitude $110^{\circ}54'09''$ W and at 8^h 45^m a.m. ^{l.m.t.} set off. $35^{\circ}30\frac{1}{2}'$ N on the lat. arc, $15^{\circ}24'$ S. on the decl. arc. and determine a meridian with the solar

theodolite

West on S. side of sec. 36. Over level sandy land through sage and greasewood brush undergrowth and bunch grass.

Difference between measurements of 40.00 chs by two sets of chainmen is 2 lbs., position of middle point By 1st set 39.99 chs.

40.00 By 2nd set 40.01 chs the mean of which is set an iron post 3 ft. long in. in diam. 26 ins. in the ground for Standard Cor. marked on brass cap $\frac{1}{4}$ S 36 on N. half.

Dig pits 18x18x12 ins. East W. of post. 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high. No. of cor.

Difference between measurements of 80.00 chs. by two sets of chainmen is 2 lbs., position of middle point By 1st set 80.01 chs.

80.00 By 2nd set 79.99 chs. the mean of which is set an iron post 3 ft. long. 3 ins. in diam. 24 ins. in the ground for Standard Cor. of sec 35 and 36. marked on brass cap T 25 N S 35 in N.W. T 13 E. S 36 in N.E. quadrants.

Dig pits 24x18x12 ins. Crosswise on each line East W. 3 ft. and N of post. 7 ft. dist. and raise a mound of earth 4 ft. base. 2 ft. high. No. of cor. Land level.

Soil sandy 2nd and 3rd rate. No timber

West on S. Side of sec. 35

One level sandy land through sage and
 greasewood bush undergrowth and bunch grass.
 Difference between measurements of 40.00 chs by two
 sets of chainmen is 4 chs. position of middle point.

By 1st Set. 39.98 chs.

By 2nd Set 40.02 chs. the mean of which is
 40.00 Set an iron post 3/4 lb. long 1 in. in diam. 26 ins.
 in the ground for Stand. 1/4 sec. cor. marked on
 base cap T 335 on N. half.

Dig pits 18 x 18 x 12 ins. East W. of post. 3/4 lb. dia.
 and raised mound of earth 3 1/2 ft. base. 1 1/2 ft.
 high W. of cor.

59.60 Old road bears N and S. leads to Navajo hogans.

75.80 Road leads from Loupp Agency to Oraibi Arizona
 bears N.E. and S.W.

Difference between measurements of 80.00 chs. by
 two sets of chainmen is 4 chs. position of middle point.

By 1st Set 79.98 chs.

By 2nd Set 80.02 chs., the mean of which is.

80.00 Set an iron post. 3/4 lb. long. 3/4 in. in diam. 24 ins.
 in the ground. for Stand. Cor. of sec. 34 and 35
 marked on base cap T 25 NS 34 in NW. and N 13 E.
 S 35 in N.E. quadrants.

Dig pits 24 x 18 x 12 ins. Crosswise on each line E
 and W. 3/4 lb. and N. of post 7/8 lb. dia. and raised
 mound of earth 4 ft. base, 2 ft. high. W. of cor.

Land level.

Soil sandy 2nd and 3rd rate.

No timber.

West on S. Side of sec 34.

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

24.00 Level land bears N and S. Enter rolling land.

bears N and S. desc. gentle W. slopes.

Difference between measurements of 40.00 chs
 by two sets of chainmen is 2 chs. position of
 middle point

By 1st Set. 39.99 chs

By 2nd Set 40.01 chs., the mean of which is

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40.00 Set an iron post 3 ft. long 1 in. in diam. 26 ins. in the ground for Stand $\frac{1}{4}$ sec. cor. marked on brass Cop. 4 S 34 on N. half.
Dig pits 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.

Difference between measurements of 80.00 Chs. by two sets of chainmen is 4 lbs. position of middle point
By 1st Set 79.98 Chs.

By 2nd Set 80.02 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 Stand Cor. of sec. 33 and 34 marked on brass Cop T 25 N 3 33 in N.W. and N 13 E 334 in N.E. quadrants.

Dig pits 24 x 18 x 12 ins. crosswise on each line E and W. 3 ft. and N. of post 7 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high. N. of cor.
Sand level and rolling.
Soil sandy 2nd and 3rd rate.
No timber.

Wash on S. fly. of sec 33.

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

15.00 Top of descent in depression between N.E. and S.W. drains S.W. asc. S.E. slope of sand ridge.

21.00 Top of sand ridge between N.E. and S.W. desc. gently
Difference between measurements of 40.00 Chs. by two sets of chainmen is 2 lbs. position of middle point.

By 1st Set 39.99 Chs.

By 2nd Set 40.01 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 Stand, $\frac{1}{4}$ sec. cor. marked on brass Cop 4 S 33 on N. half.

Dig pits 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.

NOTE. At this cor. I set off, 15° 22' $\frac{1}{2}$ S. on the decl. arc. and at noon observed the sun on the meridian.

and obtain on the lab. are a reading of $35^{\circ} 30\frac{1}{2}' N$.

58.75 - Proof of descent in depression bears N.E. and S.W. drains S.W. are gradually.

Difference between measurements of 8000 Chs. by two sets of chainmen is 02 lks., position of middle point.

By 1st Set. 79.99 Chs.

By 2nd Set 80.01 Chs. the mean of which is

80.00 Set an iron post 3ft. long 3 ins. in diam. 24 ins. in the ground for Stand. Cor. of secs. 32 and 33, marked out bears Cop T 25 N S 32 in N.W. and T 18 E S 33 in N.E. quadrant.

Dig pits 24 x 18 x 12 ins. crosswise on each line East W. 3ft. and N. of post 7 ft. dish; and raise a mound of earth 4 ft. base, 2 ft. high. N. of Cor.

Land level and rolling.

Soil sandy red, etc.

No timber.

West on S. line of sec. 32.

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

Difference between measurements of 4000 Chs by two sets of chainmen is 4 lks., position of middle point.

By 1st Set 40.02 Chs.

By 2nd Set 39.98 Chs. the mean of which is

40.00 Set an iron post 3ft. long 3 ins. in diam. 26 ins. in the ground for Stand. 4 sec. cor. marked out bears Cop. 4 S 32 on N. half

Dig pits 18 x 18 x 12 ins. East W. of post 5 ft. dish, and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of Cor.

Difference between measurements of 8000 Chs by two sets of chainmen is 2 lks., position of middle point.

By 1st Set. 80.01 Chs.

By 2nd Set 79.99 Chs. the mean of which is

80.00 Set an iron post 3ft. long 3 ins. in diam. 26 ins. in the ground for Stand. Cor. of secs.

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31 and 32 marked on brass cap T 25 N S 31 in
N.W. R 13 E S 32 in N.E. quadrants.
Dig pits 24x18x12 ins crosswise on each line
Bound W. 3/4 ft. and N. of post 7/8 ft. dia. and raise
a mound of earth 4 ft. base, 2 ft. high N. of cor.
Sand rolling.
Soil sandy 3rd rate.
No timber.

West on S. side of sec. 31
around N.E. slope over rolling sandy land through
sage and greasewood brush undergrowth and
tough grass
Difference between measurements of 4000 chs. by
two sets of chainmen is 3 lks. position of middle
point.

By 1st set 3998 1/2 chs.
By 2nd set 4001 1/2 chs. the mean of which is
4000 Set an iron post 3 ft. long 1 in. in diam. 26 ins.
in the ground for stand. 1/4 sec. cor. marked on
brass cap T 531 on N. half.
Dig pits 18x18x12 ins. Bound W. of post 3/4 ft. dia. and
raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high.
No of cor.

Difference between measurements of 8000 chs. by two
sets of chainmen is, 6 lks. position of middle point
By 1st set 7997 chs.
By 2nd set 8003 chs. the mean of which is.
8000 Set an iron post 3 ft. long 3 ins. in diam. 24 ins. in
the ground for stand. cor. of Tps. 25 N. R 12
and 13 E. marked on Brass Cap. T 25 N in N.
half. R 12 E S 36 in N.W. and R 13 E. S 31 in N.E.
quadrants.

Dig pits 30x24x12 ins crosswise on each line
Bound W. 4 ft. and N. of post 8 ft. dia. and raise
a mound of earth 5 ft. base, 2 1/2 ft. high N. of cor.
Sand rolling.
Soil sandy 3rd rate,
No timber.

February 7th 1910

General Description

Through Ranges 13 and 14^E, this line runs across a rolling and level sandy country, covered with sage and greasewood bush, and scattering growth of bunch and sacaton grass.

The land in the townships to the south of the line is nearly level prairie, while that to the north consists of rolling sand hills in R. 13 E. and high broken mesa lands in R. 14 E., there is no timber in either of these townships and but very little water. The greater portion of both towns is covered with bunch grass and affords excellent pasture for stock and should be surveyed.

Sidney E. Blount

U.S. Examiner of Surveys

Feb. 7 1910

LIST OF NAMES.

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

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 Sixth

Standard Parallel North through Range 13 East and part of Range 14 East
and resurvey of same through part of Range 14 East of the G. & S. R. Meridian, Arizona.
showing the respective capacities in which they acted:

Van Le White and Fred L. Warner, Chairmen

Earl Albright and Chas. L. Shumway, Chairmen

William R. Carson, Moundman

Moundman

Aceman

Aceman

Flagman

Ralph C. Sampson

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Bloch

Examiner of Surveys

United States Deputy Surveyor, in surveying all

those parts or portions of the Sixth Standard Parallel North through

Ranges 13 and 14 East

of the Gila and

Salto River Base and meridian in the Territory of Arizona

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

General for of the General Land Office

Earl Albright and Fred L. Warner, Chairmen

Chas. L. Shumway and Van Le White, Chairmen

Moundman

William R. Carson, Moundman

Aceman

Aceman

Flagman

Ralph C. Sampson

Subscribed and sworn to before me this 7th

day of February, 1910

Sidney E. Bloch
U.S. Examiner of Surveys



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BOOK 2511

EXAMINER OF SURVEYS
DEPUTY SURVEYOR.
FINAL OATH OF UNITED STATES
(Same applies to Standard Books F, G, H and I)

I, Sidney E. Blout, Examiner of Surveys United States Deputy Surveyor, do solemnly swear that, in pursuance of Special Instructions received from the Commissioner of the General Land Office, bearing date of the 2nd day of Oct. 1907 ~~and~~ and the 15th day of May, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for of the General Land Office the Manual of Surveying Instructions, and the laws of the United States, surveyed, or resurveyed all those parts or portions of The 6th Standard Parallel North, through Ranges 13, 14, 15, 16, 17, 18, 19, 20 and 21 East,

of the Gila and Salt River Basins and meridian, in the Territory of Arizona, which are represented in the foregoing field notes, and those in Standard Books F, G, H and I as having been surveyed, or resurveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey, or resurvey have been established, or re-established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the 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 survey and resurvey and those in Standard Books F, G, H and I

Sidney E. Blout
United States Deputy Surveyor
Examiner of Surveys

Subscribed by said Sidney E. Blout and sworn to before me }
this 14th day of March, 1911

Frank J. 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

6th Standard Parallel North through
Range 13 East and part of Range 14 East
and resurvey of same through part of
Range 14 East of the
Gila and Salt River Meridian, Arizona.

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

Frank J. Ingalls
United States Surveyor General

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.