

FIELD NOTES

2318

2318

OF THE SURVEY OF THE

Sixth Standard Parallel North through Rgs. 13^{1/2} & 14 West

and Resurvey through Rgs. 15^{1/2} & 16 West.

2318

Of the

G and O R

Meridian,

In the State of

Montana & Arizona

EXECUTED BY

Jesse B Wright

In the capacity of U. S. Surveyor, under instructions dated September 16, 1910, issued by the United States Surveyor General to govern surveys included in Group No. 10, which were approved by the Commissioner of the General Land Office, September 28, 1910, pursuant to authority contained in the Act of Congress dated June 25, 1910 and March 4, 1911.

2318

Survey commenced October 26, 1910

Survey completed November 17, 1910

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BOOK 2318

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Sixth Standard Parallel North

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Sixth Standard Parallel North

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BOOK 2313

PRELIMINARY OATHS OF ASSISTANTS.

Walter Thompson

WE, Frank S. Crofoot, Herbert Worcester, James R. Smith, & Edgor Morris

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

6th Std Par N. through Rgs. 13, 14, 15 & 16 West

Frank S. Crofoot, Chainman.

Herbert Worcester, "

James R. Smith, Chainman.

Edgor Morris, "

Subscribed and sworn to before me this 25th day of October, 1910

Jesse B. Wright
N. S. Transitionon



WE, Edgor Morris 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

6th Std Par South through Rgs. 13, 14, 15 & 16 West

Edgor Morris, Moundman.

Moundman.

Subscribed and sworn to before me this day of 19



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, Jennie Van Meter 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 6th Std Par North through Rgs. 13, 14, 15 & 16 West.

Jennie Van Meter, Flagman.

Subscribed and sworn to before me this 25th day of October, 1910

Jesse B. Wright
N. S. Transitionon



Sixth Standard Parallel North, through Range 14 West.

Chains.

Survey commenced Oct. 26, 1910, and executed with a W. & L. E. Gurley light mountain transit, special make, unnumbered, with Burt's patent solar attachment. The horizontal limb of the instrument is provided with two doubler verniers placed opposite to each other and each reading to 1' of arc, which is also the least reading of the verniers of the latitude and declination arcs of the solar. Having tested all parts of my instrument, I begin, as per instructions, at the standard corner of Tps. 25 N., Rs. 14 & 15 W. Latitude, $35^{\circ}30'34''$ N., longitude $113^{\circ}49'32''$ W., which corner is an old stake, 2x2 ins. x 10 ins. above ground, marked as described by the Surveyor General.

As this corner is in a very dilapidated condition, and the markings nearly obliterated, I destroy same, and at the original position of corner, I set an iron post, 3 ft. long, 3 ins. diam., 24 ins. in the ground for standard corner of Tps. 25 N., Rs. 14 & 15 W. marked on brass cap

T. 25 N. in N. half,
R. 14 W., S. 31, in NE., and
R. 15 W., S. 36, in NW. quadrants ;
dig pits 30x24x12 ins., crosswise on each line,
E. & W., 4 ft., and N. of cor. 8 ft. dist., and
raise a mound of earth 5 ft. base $2\frac{1}{2}$ ft. high N. of cor.
No bearings available.

In order to test the solar apparatus, by comparing the results of observations on the sun, made during p.m. & a.m. hours, with a true meridian determined by observations on Polaris, I proceed as follows :

At 4h p.m., l.m.t., at the cor. as above re-established and described, I set off $12^{\circ}22'$ S. on the decl. arc, and $35^{\circ}30'30''$ N. on the lat. arc, and determine a meridian with the solar, and mark the meridian thus determined by a tack in a stake driven firmly in the ground 5 chs. N. of my station. Oct. 26, 1910.

Oct. 27, 1910.

At 5h 06m a.m., l.m.t., I observe Polaris at Western elongation, in accordance with instructions in the Manual, and mark the line thus determined by a tack in a stake driven firmly in the ground 6 chs. N. of my station.

At 7h a.m., l.m.t., from the line thus determined, I lay off the azimuth of Polaris, $1^{\circ}26'$ to the E., which line is identical with the line as determined by the solar on preceding evening.

At 8h a.m., l.m.t., I set off $12^{\circ}35\frac{1}{2}'$ S. on the decl. arc, and $35^{\circ}30'30''$ N. on the lat. arc, and determine a meridian with the solar, which line falls 30" W. of the meridian determined by observation of Polaris.

The solar apparatus, by p.m. & a.m. observations, defines positions identical with and 30" W. of the meridian respectively, as determined by observations of Polaris.; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the meridian at 8h a.m. is N. $15^{\circ}20'$ W.; the angle thus determined gives the magnetic declination as $15^{\circ}20'$ E.

From the standard cor. above described, I run, as per instructions, taking solar observations at intervals of 15 or 20 chs.

Chains.	East, on S. bdy. sec. 31. Over level sandy plain, Truxton wash, 8 chs. wide, course NW. Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 lks.; position of middle point By 1st set, 39.99 chs., By 2nd set, 40.01 chs.; the mean of which is
12.00	
40.00	Set an iron post 3 ft. long, 1 in. in diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C., S. 31 $\frac{1}{4}$ on N. half; dig pits 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor. No bearings available. Difference between measurements of 80.00 chs. by 2 sets of chainmen is 4 lks.; 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 ft. long, 3 ins. diam., 24 ins. in the ground for standard cor. of secs. 31 & 32, marked on brass cap S.C.T. 25 N., R. 14 W. in N. half; S. 32 in NE., and S. 31 in NW. quadrants, and dig pits 24x18x12 ins., crosswise on each line, E. & W. 3 ft., and N. of cor. 7 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. No bearings available. Land, level plain, Soil, sandy, 1st & 2nd rate. No timber. Undergrowth, sparse cacti, weeds, fair grazing.
	East, on S. bdy. sec. 32. Over level plain.
15.00	Leave bottom land, asc. gently, open land, coarse bunch grass. Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 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 std. $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 32 $\frac{1}{4}$ on N. half, dig pits, 13x13x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N. of cor.
70.00	Enter wash, course WSW., asc. grad. in same.
79.50	Leave wash to N. of line. Difference between measurements of 80.00 chs. by 2 sets of chainmen is 00.00 chs., measurements being identical, at
80.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard cor. of secs. 32 & 33, marked on brass cap, S.C. T. 25 N., R. 14 W. in N. half, and S. 33 in NE., and S. 32 in NW. quadrants; and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor. Land, level, gently rolling. Soil, 2nd rate, sandy, gravelly. No timber. Undergrowth, sparse greasewood, fair grazing. At this cor. at noon, Inset off $12^{\circ}40'$ N. on the decl. arc, and observe the sun on the meridian. The resulting latitude is $35^{\circ}30\frac{1}{2}'$ N.

Sixth Standard Parallel North, through Range 14 West.

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Chains

East on S. bdy. sec. 33.
 Over gently rolling land, asc. grad., through scattering mesquite and cacti.
 Difference between measurements of 40.00 chs. by 2 sets of chainmen is 00.00 lks. measurements being identical, at
 40.00 Set an iron post 3 ft. long, 1 in. in diam. 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C.S. 33 $\frac{1}{4}$ in N. half;
 dig pits 18x18x12 ins. E. & W. of cor., 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
 76.20 Wash 50 lks. wide, course WSW.
 Difference between measurements of 80.00 chs. by 2 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 secs. 33 & 34, marked on brass cap,
 S.C. T. 25 N., R. 14 W. in N. half, and S. 34 in NE. and S. 33 in NW. quadrants;
 dig pits 24x18x12 ins., crosswise on each line, E. & W., 3 ft. and N. of cor. 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
 Land, gently rolling.
 Soil, gravelly, sandy, loose.
 No timber.
 Undergrowth, scattering mesquite, and cacti. good grass.

East, on S. bdy. sec. 34 .
 Over gently rolling land, asc. grad. through scattering mesquite and cacti.
 Difference between measurements of 40.00 chs. by 2 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 3 ft. long 1 in. in diam. 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 34 $\frac{1}{4}$ in N. half, and
 dig pits 18x18x12 ins. E. & W. of cor. 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 2 sets of chainmen is 6 lks.; position of middle point,
 By 1st set, 80.03 chs.,
 By 2nd set, 79.97 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 secs. 34 & 35, marked on brass cap,
 S.C. T. 25 N., R. 14 W., in N. half, and S. 35 in NE., and
 S. 34 in NW. quadrants,
 dig pits 24, 18x12 ins. E. & W. 3 ft., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
 Land, gently rolling.
 Soil, 2nd rate, loose gravelly.
 No timber.
 Undergrowth, scattering mesquite, cacti. good native grass.

Oct. 27, 1910.

Chains.

- Oct. 23, 1910.
At 8h a.m., l.m.t., at Sta. cor. of secs. 34 & 35,
I set off $12^{\circ}56'S$ on the decl. arc, and $35^{\circ}30\frac{1}{2}'N$ on the
lat. arc, and determine a true meridian with the solar,
thence I run,
East, on S. bdy. sec. 35.
Over rolling land, asc. grad.
- 20.00 Foot of butte, N. & S., leave valley, asc. steep.
32.00 Top of S. side of butte, brs. N. & S., thence along
S. slope of same.
33.00 Desc. prec. NE. slope.
Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 6 lks.; position of middle point,
By 1st set, 40.03 chs.,
By 2nd 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 for standard $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. $\frac{1}{4}$ on N. half, and raise a mound of stone 2
ft. base, $1\frac{1}{2}$ ft. high N. of cor. No bearings available.
47.10 Gulch, 40 lks. wide, course SW. near head.
55.75 Gulch 80 lks. wide, course WSW.
Ascend steep, stony, NW. slope of cottonwood cliffs.
Difference between measurements of 80.00 chs. by 2 sets
of chainmen is 8 lks.; position of middle point,
By 1st set, 80.04 chs.,
By 2nd set, 79.96 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 secs. 35 & 36,
marked on brass cap,
S.C. T25 N., R. 14 W. on N. half, and
S. 36 in NE., and
S. 35 in NW. quadrants, and raise a mound of stone
2 ft. base $1\frac{1}{2}$ ft. high N. of cor. No bearings available.
Land, rolling, mountainous.
Soil, gravelly, stony.
No timber.
Undergrowth, scattering palonegro, cacti, fair grass.
Beyond this corner the land rises in a succession of
precipitous ledges and bluffs, inaccessible to pack
animals, and for several miles it is impracticable to
transport and set the iron posts as furnished by the
Surveyor General for corners.
Clouds obscure the sun at noon, impossible to observe lat.
- East, on S. bdy. sec. 36.
Over mts. land, asc. steep NW. slope.
- 12.00 Head of gulch, course NW., asc. prec. W. slope.
28.00 Top of high rocky spur, brs. SW. & NE. Desc. SE. slope.
37.00 Head of gulch, course SW. asc.
Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 10 lks.; position of middle point,
By 1st set, 39.95 chs.,
By 2nd set, 40.05 chs.; the mean of which is
- 40.00 Set a granite stone 30x13x10 ins. 24 ins. in ground for
standard $\frac{1}{4}$ sec. cor., marked S.C. $\frac{1}{4}$ on N. face, and
raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.
42.06 Top of ridge, brs. NW. & SE., thence along steep E. slope.
55.00 Head of gulch, course NNW., asc.
65.40 Spur, brs. N. & S. desc.
75.00 Head of gulch, course NNW., asc.
79.00 Spur, brs. N. & S., desc.
Difference between measurements of 80.00 chs. by 2 sets of
chainmen is 12 lks.; position of middle point,
By 1st set, 80.06 chs.,
By 2nd set, 79.94 chs.; the mean of which is
- 80.00 Set a granite stone 36x18x8 ins., on bed-rock, in mound of
stone for standard cor. of Tps. 25 N., Rs. 13 & 14 W.
marked with 6 grooves on E., W., & N. faces, and S.C. on
N. face, and raise a mound of stone 4 ft. base, 4 ft. high
N. of cor., from which,

Sixth Standard Parallel North, through Range, 14 West.

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Chains.

A pinon tree 14 ins.diam.brs. N. 17° E., 50 lks.dist.,
marked S.C. T. 25 N., R. 13 W. S. 31 B.T.

A pinon tree 10 ins.diam. brs. N. 51° W., 74 lks.dist.,
marked T. 25 N., R. 14 W. S. 36 B.T.

Land, rough and mountainous.

Soil, 3rd rate, stony.

Timber, some pinon, cedar.

Undergrowth, scrub oak, pinon, cedar.

Oct. 28, 1910.

Chains.	
	<p>Oct. 29, 1910. At 8^h a.m., l.m.t., at the standard cor. of Tps. 25 N., Rs. 13 & 14 W., as established by me, I set off 13° 16' S. on the decl. arc, and 35° 30½' N. on the lat. arc, and determine a true meridian with the solar, thence I run, East, on S. bdy. Sec. 31, Over mts. land, asc. prec. NW. slope, through dense cedar and pinon.</p>
22.00	Top of W. rim of high broken mesa, brs. N. & S., 2300 ft. above valley to west.
23.00	Top of divide, brs. N. & S., desc. SE. slope, through dense cedar, pinon, and scrub oak.
39.35	Gulch 20 lks. wide, course SE., near head. Difference between measurements of 40.00 chs. by 2 sets of chainmen is 8 lks.; position of middle point, By 1st set, 39.96 chs. By 2nd set, 40.04 chs.; the mean of which is
40.00	Set a sandstone 24x14x8 ins. 18 ins. in ground for standard ¼ sec. cor., marked S.C. ¼ on N. face, and raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor. from which, A cedar tree 4 ins. diam. brs. N. 80° W. 10 lks. dist., marked S.C. ¼ S. 31 B.T. No other bearings available.
57.00	Top of flat ridge, brs. SE. & NW. desc. grad.
76.60	Gulch 50 lks. wide, course SW. Difference between measurements of 80.00 chs. by 2 sets of chainmen is 10 lks.; position of middle point, By 1st set, 80.05 chs.; By 2nd set, 79.95 chs.; the mean of which is
80.00	Set a granite stone 24x12x8 ins. 18 ins. in the ground for standard cor. of secs. 31 & 32, marked S.C. on N., with 5 grooves on E. & 1 groove on W. faces, from which, A cedar tree 10 ins. diam. brs. N. 41° E. 38 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 32 B.T. A pinon tree 8 ins. diam. brs. N. 30° W. 36 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 31 B.T. Land, mountainous. broken. Soil, 3rd rate, gravelly, stony. Timber, some cedar, pinon. Undergrowth, dense cedar, pinon, scrub oak. At this cor. at noon, I set off 13° 21' S. on the dec. lar, and observe the sun on the meridian. The resulting latitude is 35° 31' N.
	<p>East, on S. bdy. sec. 32. Over mountainous land, along S. slope, through dense manzanita, scrub oak, cedar and pinon. Top of high line of bluffs bearing E. & W., brs. N. about 1½ miles, elevation about 6500 ft. above sea-level.</p>
6.75	Flat ridge, brs. S. & N., desc.
10.00	Wash, 50 lks. wide, course S., asc.
13.00	Flat ridge, brs. S. & N., desc.
18.75	Wash, 30 lks. wide, course SSW. near head, asc.
24.00	Ridge, brs. S. & N., desc.
34.25	Gulch 150 lks. wide, course SSW. asc. grad. Difference between measurements of 40.00 chs. by 2 sets of chainmen is 8 lks.; position of middle point, By 1st set, 39.96 chs.; By 2nd set, 40.04 chs.; the mean of which is
40.00	Set a granite stone 20x10x3 ins. 15 ins. in the ground for standard ¼ sec. cor., marked S.C. ¼ on N. face, from which A pinon tree 6 ins. diam. brs. N. 19° W. 73 lks. dist., marked S.C. ¼ S. 32 B.T. No other bearings available. raise a mound of stone 2 ft. base, 1½ ft. high N. of cor.
43.00	Ridge, brs. S. & N., desc.
51.00	Wash 50 lks. wide, course SSW., asc.
58.00	Ridge, brs. S. & N., desc.
63.00	Wash 30 lks. wide, course SSE. asc.

Sixth Standard Parallel North, through Range 13 West.

7

Chains.

79.00 Ridge, brs. S. & N., desc.
 Difference between measurements of 80.00 chs. by 2 sets of chainmen is 10 lks.; position of middle point,
 By 1st set, 80.05 chs.,
 By 2nd set, 79.95 chs.; the mean of which is

30.00 Set a quartzite stone, 20x12x8 ins., on bed-rock in mound of stone for standard cor. of secs. 32 & 33, marked S.C. on N., with 4 grooves on E. & 2 grooves on W. faces, from which,
 A cedar tree 6 ins. diam. brs. N. 72° E. 105 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 33 B.T.
 A cedar tree 6 ins. diam. brs. N. 10° W. 26 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 32 B.T.

Land, mountainous, broken.
 Soil, 3rd rate, stony.
 Timber, some cedar, pinon.
 Undergrowth, scrub oak, manzanita, pinon, cedar.
 Oct. 29, 1910.

Oct. 30, 1910.

At 8h a.m., l.m.t., at the standard cor. of secs. 32 & 33, I set off 13° 36' S. on the decl. arc, and 35° 30' N. on the lat. arc, and determine a true meridian with the solar.

Thence I run,
 East, on S. bdy; sec. 33.

Over mts. land, along broken, stony S. slope, through dense cedar, scrub oak, and pinon.

4.00 Wash, 50 lks. wide, course S.
 A high peak brs. N. 10° W. about $\frac{1}{4}$ mile.

6.00 Ridge, brs. S. & N., desc.

13.60 Spur, brs. SSE. & NNW., desc.

17.00 Wash, 30 lks. wide, course S., asc.

22.00 Ridge, brs. S. & N., desc.
 Difference between measurements of 40.00 chs. by 2 sets of chainmen is 6 lks.; position of middle point,
 By 1st set, 40.03 chs.,
 By 2nd 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 for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 33 $\frac{1}{4}$ in N. half, from which,
 a cedar tree 10 ins. diam., brs. N. 12° W. 82 lks. dist., marked S.C. $\frac{1}{4}$ S. 33 B.T. No other bearings available.
 raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high N. of cor.

46.50 Wash, 30 lks. wide, course SE.

55.15 Wash, 50 lks. wide, course S., asc. grad.

61.00 Enter barren granite ledges, sloping to S.
 Difference between measurements of 80.00 chs. by 2 sets of chainmen is 8 lks.; position of middle point,
 By 1st set, 80.04 chs.,
 By 2nd set, 79.96 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 secs. 33 & 34, marked on brass cap,
 S.C. T. 25 N., R. 13 W. in N. half, and
 S. 34 in NE.; and
 S. 33 in NW. quadrants; from which,
 A pinon tree 6 ins. diam. brs. N. 60° E. 25 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 34 B.T.
 A cedar tree 14 ins. diam. brs. N. 51° W. 43 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 33 B.T.

Land, broken, mts.
 Soil, stony, 3rd rate.
 Timber, few cedar & pinon.
 Undergrowth, scrub oak, cedar, pinon.

8 Sixth Standard Parallel North, through Range 13 West.

Chains.	East, on S. bdy. Sec. 34. Over broken, stony mts. land, slopes to S.,
32.75	Wash 30 lks. wide, course SSE.
36.20	Wash 30 lks. wide, course S. Difference between measurements of 40.00 chs. by 2 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, 3 ft. long, 1 in. in diam., 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 34 $\frac{1}{4}$ in N. half, from which, A pinon tree 10 ins. diam. brs. N. 57° E. 50 lks. dist. marked S.C. $\frac{1}{4}$ S. 34 B.T. Raise a mound of stone 2 ft. base 2 ft. high, N. of cor.
46.00	Wash 40 lks. wide, course SSE.
53.45	Wash 50 lks. wide, course S. washes join 5 chs. SSE. asc.
63.00	Ridge, brs. SSE. & NNW., desc.
70.70	Wash 50 lks. wide, course SE., asc.
75.00	Ridge, brs. SE. & NW. desc. Difference between measurements of 80.00 chs. by 2 sets of chainmen is 8 lks.; position of middle point, By 1st set, 80.04 chs., By 2nd set, 79.96 chs.; the mean of which is
30.00	Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard cor. of secs. 34 & 35, marked on brass cap, S.C. 25 N., R. 13 W. in N. half, S. 35 in NE. and S. 34 in NW. quadrants, from which, A cedar tree 24 ins. diam. brs. N. 71° W. 131 lks. dist., marked S.C. T25 N., R. 13 W. S. 34 B.T. A cedar tree 10 ins. diam. brs. N. 48° E. 126 lks. dist., marked S.C. 2.25 N., R. 13 W. S. 35 B.T.
	Land, broken, mts. Soil, 3rd rate, stony, gravelly. Timber, some cedar. Undergrowth, scrub oak, cedar, At this cor. at noon, I set off 13° 41' S. on the decl. arc, and observe the sun on the meridian. The resulting latitude is 35° 31' N.
	East, on S. bdy. sec. 35. Over mts. land, desc. grad. over huge granite boulders and ledges, interspersed with dense scrub oak and manzanita.
21.40	Wash 40 lks. wide, course SE.
30.00	Wash, 40 lks. SSE. asc.
35.00	Flat ridge, brs. SSE. & NNW., desc. Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 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 $\frac{1}{4}$ sec. cor. marked on brass cap, S.C. S. 35 $\frac{1}{4}$ in N. half, and raise a mound of stone 2 ft. base, 1 $\frac{1}{2}$ ft. high N. of cor., from which, A cedar tree 10 ins. diam. brs. N. 89° E. 30 lks. dist., marked S.C. $\frac{1}{4}$ S. 35 B.T.
50.70	Gulch 120 lks. wide, course S., asc. grad.
59.20	Flat ridge, brs. S. & N., desc. grad.
65.00	Wash, 50 lks. wide, course SSE.
68.70	Wash 80 lks. wide, course S., asc.
75.00	Ridge, brs. SSE. & NNW. Difference between measurements of 80.00 chs. by 2 sets of chainmen is 6 lks.; position of middle point, By 1st set, 80.03 chs., By 2nd set, 79.97 chs.; the mean of which is

Grains.
80.00

Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard cor. of secs. 35 & 36, marked on brass cap,
S.C. T. 25 N., R. 13 W. in N. half,
S. 36 in NE., and
S. 35 in NW. quadrants, from which,
A cedar tree 10 ins. diam. brs. N. 37° E. 19 lks. dist., marked S.C. T. 25 N. R. 13 W. S. 36 B.T.
A cedar tree 10 ins. diam. brs. N. 13½° W. 31 lks. dist., marked S.C. T. 25 N., R. 13 W. S. 35 B.T.
Land, broken, mts.
Soil, 3rd rate, stony.
No timber.
Undergrowth, scrub oak, cedar.

6.00
15.00
29.48

East, on S. bdy. sec. 36.
Over broken mts. land, through dense cedar.
Wash, 50 lks. wide, course S., asc.
Flat ridge, brs. SSE. & NNW., desc.
Intersect West bdy. of Hualapai Indian Reservation at point whence the 44½ mile cor. of said line brs. S. 40° E. 15.13 chs. dist., which cor. is a limestone 14x8x8 ins. above ground, marked and witnessed as described by the Surveyor General.
At the point of intersection of these lines, I
Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for closing cor. of sec. 36, T. 25 N., R. 13 W., marked on brass cap,
S.C. T. 25 N., R. 13 W. S. 36 in N. half, W. of center, C.C. E. of center, and
H.I.R. in E. half,
raise a mound of stone 4 ft. base, 3 ft. high, W. of cor.
No bearings available.
Land, mts.
Soil, 3rd rate, stony, gravelly.
No timber,
Undergrowth, scrub oak, dense scrub cedar.

Oct. 30, 1910.

The Sixth Standard Parallel North, through Range 14 West, runs over fairly smooth valley land for the west four miles, then ascends over very rough barren boulders and ledges.
Through range 13 West, this line runs over extremely rough mountainous land, to its intersection with the West bdy. of the Hualapai Indian Reservation.
To the North from 1 to 2 miles the S. rim of a very high broken mesa, brs. E. & W., on top of which is considerable pine timber.
There is no water on this line.

Jose B. Wright
U.S. Surveyor.

Chains.

Nov. 11, 1910.

At 8h a.m., l.m.t., at the Standard cor. of Tps. 25 N., Rs. 14 & 15 W., as established by me and heretofore described,

I set off 17°15½' S. on the decl. arc and 35°30½' N. on the lat. arc, and determine a true meridian with the solar, which meridian agrees with the meridian as established by me at this cor. by observation of Polaris on Oct. 27, 1910..

Having examined the Sixth Standard Parallel North, through Ranges 15 & 16 West, and finding very faint evidence of any corners on this line, and the measurement without the allowable limits, it is necessary to re-survey same before any range lines of subdivisional lines can be initiated therefrom.

Therefore, from the above described corner, I run, as per instructions,

West, on S. bdy. sec. 36.

Over level valley, loose, sandy loam, scattering sage brush,

Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 lks.; 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 standard ¼ sec. cor., marked on brass cap, S.C. S. 36 ¼ in N. half,

dig pits 18x13x12 ins. E. & W. 3 ft. dist, and raise a mound of earth 3½ ft. base, 1½ ft. high, N. of cor.

53.46 Main road, Hackberry to Gold Basin, brs. NNW. & SSE.

54.00 On W. side of road, for reference point,

I set a cottonwood post, 14 in. diam. 4 ft. long, 2 ft. in the ground, marked T. 25 N., on N., and S.L. on E. face.

Difference between measurements of 80.00 chs. by 2 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 secs. 35 & 36, marked on brass cap,

S.C. 2. 25 N. R. 15 W., in N. half,

S. 36 in NE., and

S. 35 in NW. quadrants, and

dig pits 24x18x12 ins. crosswise on each line, E. & W. 3 ft. and N. of cor: 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.

Land, level, smooth and open,

Soil, 1st & 2nd rate, sandy, loose, moist. Drainage NW.

No timber, undergrowth, scattering sage. Fair grass.

No trace of any old corners found on this mile.

West, on S. bdy. sec. 35..

Over level plain.

Difference between measurements of 40.00 chs. by 2 sets of chainmen is 00 lks., therefore at

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

S.C. S. 35 ¼ in N. half, dig pits, 18x13x12 ins. E. &

W. 3 ft. dist. and raise md. earth, 3½ ft. base, 1½ ft. high, N. of cor.

79.37 Old road, brs. NNW. & SSE.

Difference between measurements of 80.00 chs. by 2 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 secs. 34 & 35, marked on brass cap,

S.C. T. 25 N., R. 15 W. in N. half,

S. 35 in NE. and S. 34 in NW. quadrants, and dig pits

24x18x12 ins. crosswise on each line E. & W. 3 ft. & N.

of cor. 7 ft. dist. and raise a mound of earth 4 ft.

base 2 ft. high N. of cor.

Chains.

Land, level, smooth and open.
Soil, 1st & 2nd rate, loose sandy loam.
Undergrowth, few sage brush, coarse bunch grass.

- West, on S. bdy. sec. 34.
Over level plain.
- 2.26 An old stake with faint traces of markings bears S. 20 lks. dist., which I destroy.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 lks.; 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., 24 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 34 $\frac{1}{4}$ in N. half,
Dig pits 13x13x12 ins. E. & W. of cor. 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 2 sets of chainmen is 4 lks.; 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 standard cor. of secs. 33 & 34, marked on brass cap,
S.C. T. 25 N., R. 15 W., in N. half,
S. 34 in NE., and
S. 33 in NW. quadrants,
dig pits, 24x13x12 ins. crosswise on each line, E. & W. of cor. 3 ft. & N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.
- Land, level, smooth and open, drains N.
Soil, loose sandy loam, moist, 1st & 2nd rate.
No timber, Undergrowth, scattering sage. Good bunch grass.
At this cor. at noon, I set off $17^{\circ}21\frac{1}{2}'S.$ on the decl. arc, and observe the sun on the meridian.
The resulting latitude is $35^{\circ}30'30" N.$

- West, on S. bdy. sec. 33.
- 3.38 Faint trace of old cor. brs. S. 70 lks. dist., which I destroy.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 lks.; 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 standard $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. S. 33 $\frac{1}{4}$ in N. half,
dig pits 13x13x12 ins. E. & W. of cor. 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 2 sets of chainmen is 4 lks.; 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 standard cor. of secs. 32 & 33, marked on brass cap,
S.C. T. 25 N., R. 15 W. in N. half,
S. 33 in NE., and
S. 32 in NW. quadrants,
dig pits, 24x13x12 ins. crosswise on each line, E. & W. 3 ft. dist., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
- Land, level, drains N.
Soil, loose sandy loam, moist, 1st & 2nd rate.
No timber,
Undergrowth, scattering sage brush, fair grass.

Re-survey of Sixth Standard Parallel North, through Range 15 West.

13

Chains

- West, on S. bdy. sec. 32.
Over level plain.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 2 lks.; 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 standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 32 $\frac{1}{4}$ in N. half, dig pits, 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 45.29 Remains of old cor. brs. S. 10 lks., which I destroy.
Difference between measurements of 80.00 chs. by 2 sets of chainmen is 6 lks.; position of middle point,
By 1st set, 79.97 chs.,
By 2nd set, 80.03 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 secs. 31 & 32, marked on brass cap,
S.C. T. 25 N., R. 15 W. in N. half,
S. 32 in NE., and,
S. 31 in NW. quadrants,
dig pits, 24x18x12 ins., crosswise on each line, E. & W. 3 ft. and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land, level, smooth and open.
Soil, loose sandy loam, 3 ft. deep, underlaid with calcareous conglomerate gravel.
No timber. Undergrowth, scattering sage, good grass.

- West, on S. bdy. sec. 31.
Over level plain.
- 5.05 Remains of old cor. brs. N. 10 lks. dist, which I destroy.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 5 lks.; position of middle point,
By 1st set, 39.98 $\frac{1}{2}$ chs.,
By 2nd set, 40.01 $\frac{1}{2}$ chs.; the mean of which is
- 40.00 Set an iron post 3 ft. long, 1 ins in diam. 26 ins. in the ground for standard $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 31 $\frac{1}{4}$ in N. half, dig pits, 18x18x12 ins. E. & W. of cor. 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 59.08 Din road, brs. NNE. & SSW.
Difference between measurements of 80.00 chs. by 2 sets of chainmen is 4 lks.; 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 ft. long, 3 ins. in diam. 24 ins. in the ground for syandard cor. of Tps. 25 N., Rs. 15 & 16 W. marked on bras cap,
S.C. T. 25 N., in N. half,
R. 15 W. S. 31 in NE., and
R. 16 W. S. 36 in NW. quadrants,
dig pits 30x24x12 ins., crosswise on each line, E. & W. 4 ft., and N. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high, N. of cor. from which,
Section House at Antares Sta. brs. S. 49°19' E.
A sharp round peak in Cerbat Mts. brs. S. 70°17' W.
Land, level, smooth.
Soil, loose sandy loam, some gravel, 2nd rate.
Undergrowth, scattering sage brush. coarse bunch grass.
Nov. 11, 1910.

Chains.

Nov. 12, 1910.

At 8h a.m. l.m.t., at the Standard cor. of Tps. 25 N.,
Rs. 15 & 16 W. as established by me,

I set off $17^{\circ}32'$ S $\frac{1}{4}$ on the decl. arc, and $35^{\circ}30'30''$ N. on
the lat. arc, and determine a true meridian with the
solar. Thence I run,

West, on S. bdy. sec. 36.

Over level valley.

Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 2 lks.; 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 standard $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. S. 36 $\frac{1}{4}$ in N. half,

dig pits, 13x13x12 ins. E. & W. of cor. 3 ft. dist.,
raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

No traces of old corner found.

Difference between measurements of 80.00 chs. by 2 sets
of chainmen is 4 lks.; 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 standard cor. of secs. 35 & 36,
marked on brass cap,

S.C. T. 25 N., R. 16 W. in N. half,

S. 36 in NE., and

S. 35 in NW. quadrants,

dig pits, 24x18x12 ins. crosswise on each line, E. &
W. 3 ft., and N. of cor. 7 ft. dist., and

raise a mound of stone 4 ft. base, 2 ft. high N. of cor.

No trace of the old corner found after diligent search.

No trace of any other old corners found at any point
to the West on this line.

Land, level, drains to N.

Soil, loose sandy loam, moist, 2nd rate.

No timber.

Undergrowth, scattering sage brush. Fair grazing.

West, on S. bdy. sec. 35.

Over level valley.

Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 4 lks.; 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 $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. S. 35 $\frac{1}{4}$ in N. half,

Dig pits, 13x13x12 ins. E. & W. of cor. 3 ft. dist., and
raise a mound of stone $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

Difference between measurements of 80.00 chs. by 2 sets
of chainmen is 4 lks.; 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 ft. long, 3 ins. in diam. 24 ins. in
the ground for standard cor. of secs. 34 & 35,
marked on brass cap,

S.C. T. 25 N., R. 16 W., in N. half,

S. 35 in NE., and

S. 34 in NW. quadrants,

dig pits, 24x18x12 ins. crosswise on each line, E. & W.
3 ft., and N. of cor. 7 ft. dist., and

raise a mound of earth 4 ft. base, 2 ft. high N. of cor.

Land, level, drains to N.

Soil, loose sandy loam, a little clay, 2nd rate.

No timber.

Undergrowth, scattering sage brush and cacti. Fair grass.

- Chains
- West, on S. bdy. sec. 34,
Over gently rolling sandy plain, coarse bunch grass.
Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 2 lks.; 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 standard $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. $\frac{1}{4}$ S. 34 in N. half,
dig pits, 13x13x12 ins. E. & W. of cor. 3 ft. dist.,
raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.
- 50.00 Leave sandy soil, enter clayey bottom, subject to overflow,
small playas, sparse grass, brs. N. & S.
Difference between measurements of 80.00 chs. by 2 sets
of chainmen is 00 lks., the measurements being identical,
therefore at
- 80.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in
the ground for standard cor. of secs. 33 & 34,
marked on brass cap,
S.C. T. 25 N., R. 16 W. in N. half,
S. 34 in NE., and
S. 33 in NW. quadrants,
dig pits 24x13x12 ins. crosswise on each line E. & W.
of cor. 3 ft. & N. of cor. 7 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land, level, gently rolling. open.
Soil, 2nd rate, sandy, clayey.
No timber, Undergrowth, scattering sage brush, sparse grass.
At this cor. at noon, I set off $17^{\circ}38'$ N. on the
decl. arc, and observe the sun on the meridian.
The resulting latitude is $35^{\circ}30\frac{1}{2}'$ N.
-
- West, on S. bdy. sec. 33.
Leave clay flat, asc. grad. through sparse sage brush.
Difference between measurements of 40.00 chs. by 2 sets
of chainmen is 2 lks.; 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 standard $\frac{1}{4}$ sec. cor., marked on brass cap,
S.C. S. 33 $\frac{1}{4}$ in N. half,
dig pits, 13x13x12 ins. E. & W. of cor. 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 2 sets
of chainmen is 4 lks.; position of middle point,
By 1st set, 80.02 chs.,
By 2nd 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 standard cor. of secs. 32 & 33,
marked on brass cap,
S.C. T. 25 N., R. 16 W. in N. half,
S. 33 in NE., and
S. 32 in NW. quadrants, and
dig pits 24x13x12 ins. crosswise on each line, E. & W.
of cor. 3 ft. and N. of cor. 7 ft. dist., and
raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land, gently rolling.
Soil, 2nd rate, gravelly, sandy, 2nd rate.
No timber.
Undergrowth, scattering sage brush & cacti, fair grass.

Chains

- West, on S. bdy. sec. 32.
Over gently rolling land, asc. grad.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 4 lks.; position of middle point,
By 1st set, 39.93 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 $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 32 $\frac{1}{4}$ in N. half, dig pits, 18x18x12 ins. E. & W. of cor. 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 30.00 chs. by 2 sets of chainmen is 4 lks.; position of middle point,
By 1st set, 79.93 chs.,
By 2nd set, 80.02 chs.; the mean of which is
- 30.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard cor. of secs. 31 & 32, marked on brass cap, S.C. T. 25 N., R. 16 W., in N. half, S. 32 in NE., and S. 31 in NW. quadrants, and dig pits 24x18x12 ins., crosswise on each line, E. & W. 3 ft., and N. of cor. 7 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
Land, gently rolling, drains NE.
Soil, gravelly, sandy, loose, 2nd rate.
No timber.
Undergrowth, scattering sage, and sparse bunch grass.
-
- West, on S. bdy. sec. 31.
Over gently rolling land, asc. grad.
Difference between measurements of 40.00 chs. by 2 sets of chainmen is 6 lks.; position of middle point,
By 1st set, 39.97 chs.,
By 2nd set, 40.03 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 $\frac{1}{4}$ sec. cor., marked on brass cap, S.C. S. 31 $\frac{1}{4}$ in N. half, dig pits 18x18x12 ins. E. & W. of cor. 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 30.00 chs. by 2 sets of chainmen is 3 lks.; position of middle point,
By 1st set, 80.04 chs.,
By 2nd set, 79.96 chs.; the mean of which is
- 30.00 Set an iron post 3 ft. long, 3 ins. in diam. 24 ins. in the ground for standard cor. of Tps. 25 N., Rs. 16 & 17 W., marked on brass cap, S.C. T. 25 N. in N. half, R. 16 W. S. 31 in NE., and R. 17 W. S. 36 in NW. quadrants, and dig pits, 30x24x12 ins. crosswise on each line, E. & W. 4 ft., and N. of cor. 8 ft. dist., and raise a mound of earth 5 ft. base, $2\frac{1}{2}$ ft. high N. of cor. from which,
Highest peak of Cerbat Range brs. S. $48\frac{1}{2}^{\circ}$ W.
Highest peak of Peacock Range brs. S. $43^{\circ}19'$ E.
Nov. 12, 1910.

The Sixth Standard Parallel North, through Ranges 15 & 16 W. runs across a smooth valley, sparsely covered with sage brush and bunch grass. The soil is in general loose and sandy, with a little gravel and clay in places. The land would produce well if watered. There is no water on or near this line, but the indications are that water might be reached at a depth of 50 to 75 ft.

Jesse B. Wright
U.S. Surveyor.

LIST OF NAMES.

A list of the names of the individuals employed by Jesse B. Wright,
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

6th Std Par. N. through Rs. 13, 14, 15 & 16 West.

showing the respective capacities in which they acted:

- Herbert Worcester & Frank L. Crofoot, Chairman.
- James R. Smith & Egor Morris, Chairman.
- Walter Thompson, ~~Chairman~~
Moundman.
- Egor Morris, Moundman.
- _____ , Axman.
- _____ , Axman.
- Louie Van Morter, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jesse B. Wright
U.S. Ironmaster, United States ~~Deputy~~ Surveyor, in surveying all
those parts or portions of the 6th Standard Parallel
North through Ranges, 13, 14, 15 & 16
West

_____ of the Great
Salt River 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 surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

- General for Arizona
- Frank L. Crofoot & Herbert Worcester, Chairman.
 - James R. Smith, Egor Morris, Walter Thompson, Chairman.
 - Egor Morris, Moundman.
 - _____ , Moundman.
 - _____ , Axman.
 - _____ , Axman.
 - Louie Van Morter, Flagman.

Subscribed and sworn to before me this 30th
day of November, 1910

Jesse B. Wright
U.S. Surveyor



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BOOK 2318

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Jose B Wright, United States Deputy Surveyor, do solemnly swear that, in pursuance of a ^{contract} ~~contract~~ received from Frank Ingalls United States Surveyor General for Oregon, bearing date of the 16th day of September, 1910, 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 Oregon, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Sixth Standard Parallel North through Ranges 13 and 14 West, and Resurvey through Ranges 15 and 16 West of the 6th meridian, in the Territory of Oregon, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Oregon and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Jose B Wright
United States Deputy Surveyor.

Subscribed by said Jose B Wright, and sworn to before me }
this 7th day of August, 1911

Frank Ingalls
U.S. Dep. Sur. for Oregon.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Revised Aug. Month 25, 1912
The foregoing field notes of the survey of the Sixth Standard Parallel North through Ranges 13 and 14 West, and Resurvey of the same through Ranges 15 and 16 West, 6th P. R Meridian, Oregon

executed by Jose B Wright, U.S. Deputy Surveyor under his ^{Grant} ~~contract~~ No. 10, dated September 16, 1910, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank A 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.