

2786

BOOK 2786

15

(1)

MAY 29 1911

4-679.

Book "F"

FIELD NOTES

OF THE SURVEY OF THE

West Boundary T6N R4E

South Boundary T6N R4E

North Boundary T6N R4E

Of the Gila and Salt River Basins Meridian,

in the State of Arizona.

AS SURVEYED BY

Pracelet Horn, United States Deputy Surveyor,

Under his Contract No. 162, dated Jan 5, 1910

Survey commenced Dec 17, 1910

Survey completed Dec 28, 1910

16
1A

NAMES AND DUTIES OF ASSISTANTS.

R B Melin

Chairman

E E Barr

"

G W Beach

Mandman

T J Keefe

"

W L Smith

Man

Cleve Moore

"

Andy Schermyren

Stegman

12
13

BOOK 2786

INDEX DIAGRAM.

Township 9 6 N, Range 10 4 E

4	6	5	4	3	2	1
4	7	8	9	10	11	12
3	18	17	16	15	14	13
2	19	20	21	22	23	24
2	30	29	28	27	26	25
1	31	32	33	34	35	36
	5	6	6	6	8	8

Meanders Page

18
10

PRELIMINARY OATHS OF ASSISTANTS,

WE, R B Miller and E E Ban
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

T & N R & E

R B Wilkin, Chainman.
E. E. Barr, Chainman.

Subscribed and sworn to before me this 11th
day of Dec, 19 10



Racelle H. Ham
US Deputy Surveyor

WE, George W. Hancock and G. Thorpe
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

T & N R & E

George W. Hancock, Moundman.
G. Thorpe, Moundman.

Subscribed and sworn to before me this 11
day of Dec, 19 10



Racelle H. Ham
US Deputy Surveyor

WE, Clare Moore and W G Smith
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

T & N R & E

Clare Moore, Axman.
W G Smith, Axman.

Subscribed and sworn to before me this 11th
day of Dec, 19 11



Racelle H. Ham
US Deputy Surveyor

I, Carl Schermerhorn, 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

T & N R & E

Carl Schermerhorn, Flagman.

Subscribed and sworn to before me this 11th
day of Dec, 19 10



Racelle H. Ham
US Deputy Surveyor

West Boundary of Township 6 North, Range 4 East.

10

Chains	<p>Survey commenced December 17, 1910, and executed with a Young and Sons light mountain transit No. 5609, equipped with a Smith solar attachment, the horizontal limb being provided with two opposite verniers reading to 1' of arc, which is also the least count of the verniers of the latitude and declination arcs.</p> <p>At cor. of Ts. 5 and 6 N., Rs. 3 and 4 E., which is a stone as witnessed and described by the Surveyor General, I set off 23° 18' S., on the decl. arc; 33° 49' N., on the lat. arc, and mark the meridian thus determined by a groove on a stone, set firmly in the ground 5.00 chs. N. of cor. 4 h. 0 m., l.m.t.) Latitude 33° 48' 40" N., Long. 111° 59' 40" W.</p> <p>December 18, 1910: At 1 h. 41 m., a.m., l.m.t., I observe Polaris at western elongation, and mark the point in the line thus determined by a tack driven in a wooden peg 5.00 chs. N. of my station.</p> <p>At 8 a.m., l.m.t., I lay off the azimuth of Polaris, 1° 24' to the E., and mark the point thus determined by cutting a cross (X) on the stone set last evening, which falls 0.3 ins. E. of mark determined by solar.</p> <p>At 9 a.m., l.m.t., I set off 23° 2' S. on decl. arc; 33° 49' N. on the lat. arc; and mark the meridian thus determined by a groove on a stone which falls 0.3 ins. E. of cross determined by Polaris.</p> <p>The magnetic bearing of the true meridian is N. 14° 30' W., which gives the magnetic declination N. 14° 30' E.</p> <p style="text-align: right;">December 17, 1910.</p> <p>Correctional survey commenced February 19, 1913, and executed with instrument described above.</p> <p>At the corner of Ts. 5 and 6 N., Rs. 3 and 4 E., which is a stone as witnessed and described by the Surveyor General, at 3 h. 0 m., p.m., l.m.t., I set off 11° 12' S. on the declination arc, 33° 49' N., on the latitude arc, and marked the meridian thus determined by a groove on a stone set firmly in the ground 5.00 chs. N. of cor.</p> <p>Feb. 19, 1913, at 9 h. 26 m., p.m., l.m.t., I observe Polaris at western elongation, and mark the point in the line thus determined by a tack driven in a wooden peg, 5.00 chs. N. of my station.</p> <p>Feb. 20, 1913, at 8 h. 0 m., a.m., I lay off the azimuth of Polaris, 1° 23' 18" to the E., and mark the point thus determined by cutting a cross (X) on the stone set last evening which falls 0.2 ins. E. of mark determined by solar.</p> <p>At 9 a.m., l.m.t., I set off 10° 56' S., on the declination arc and mark the meridian thus determined by a groove on a stone, which falls 0.3 ins. E. of cross determined by Polaris.</p> <p>The magnetic bearing of the true meridian is N. 14° 30' W., which gives the magnetic declination N. 14° 30' E.</p> <p style="text-align: center;">Thence I run N. bet. secs. 31 and 36.</p> <p style="text-align: center;">Over rocky mountainous land, ascending.</p> <p>8.00 Enter steep mountainous slope, ascending 100 ft. along W. slope of Go John Mountain.</p> <p>19.10 Descend small gulch.</p> <p>20.15 Bottom small gulch, course S.W., ascend steeply.</p> <p>34.00 Top of ascent on W. ridge, brs. N.E. and S.W., descend.</p> <p>37.50 Bottom of descent, draw, course S.W., ascend steeply.</p> <p>40.00 Set a porphyry stone 15 x 8 x 6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, and raise a mound of stone 2 ft. base, 1$\frac{1}{2}$ ft. high W. of cor.</p> <p style="text-align: center;">Magnetic declination N. 14° 30' E.</p> <p style="text-align: center;">Thence ascend steep slope.</p> <p>45.00 Top of W. slope of Go John Mountain, descend.</p> <p>53.50 Bottom of descent, ascend steep 250 ft. slope.</p> <p>63.25 Go John Mine 100 ft. incline, 5 x 7 ft.</p> <p>66.45 Top of ridge, W. side of Go John Mountain, descend 300 ft.</p> <p>80.00 Near foot of N. slope.</p> <p>A porphyry stone 18 x 10 x 8 ins., set 12 ins. in the ground for cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S. edge, and 5 notches on N. edges, 6 N on</p>
--------	--

2 West Boundary of Township 6 North, Range 4 East.

Chains	<p>N.E. face, and 4 E., on SE. face; from which A palo verde, 4 ins. in diam., brs. S. 8° 12' W., 137 lks. dist., marked T 6 N R 3 E S 36 B T. A palo verde 3 ins. in diam., brs. S. 10° 00' E., 161 lks. dist., marked T 6 N R 4 E S 31 B T. No other trees available. Raise mound of stone 2 ft. base, 1½ ft. high W. of cor. Magnetic declination N. 14° 45' E. This corner was set December 17; 1910. Land mountainous. Soil, rocky, 4th and 5th rate. No timber. Very mountainous land, rocky, steep and difficult ascents and descents and exceptionally difficult to survey, 80.00 chs. February 20, 1913.</p>

	<p>December 17, 1910. North, bet. secs. 25 and 30. Over mountainous land, descending.</p>
0.75	Bottom of descent; wash, 36 lks. wide, course W; ascend steeply.
8.00	Top of ascent, descend.
16.25	Bottom of descent; ascend 100 ft.
21.00	Top of ascent, descend.
28.90	Wash, 30 lks. wide, course W, ascend 75 ft.
34.90	Top of ascent, desc. 60 ft.
37.20	Bottom of descent, wash 10 lks. wide, course W, ascend.
40.00	On S. slope. Set a porphyry stone, 12 x 10 x 6 ins., 8 ins. in the ground for ¼ sec. cor., marked ¼ on W. face, and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
	<p>December 18, 1910: At this ¼ sec. cor., I set off 23° 22' S., on the decl. arc, and at 11 h 56 m., a.m., 1. m.t., observe the sun on the meridian, the resulting lat. is 33° 50' N., Thence ascending along S. slope over rocky, moun- tainous land with great difficulty.</p>
43.10	Top of ridge, brs. E. and W., descend 100 ft.
48.15	Bottom of descent, wash, 20 lks. wide, course S.W., as- cend steeply 100 ft.
50.00	Top of ascent, brs. S.W. and N.E., descend 75 ft. to gully.
52.00	Bottom of descent, wash 10 lks. wide, course S.W., ascend.
55.00	Top of ridge, brs. S.W. and N.E.
56.00	Descend 50 ft.
58.00	Gully, 50 lks. wide, course N.E.; ascend.
63.00	Top of ascent, descend.
65.00	Bottom of descent, gully, 20 lks. wide, course S.E., ascend along N. and S. draw.
67.00	Leave draw, ascend steeply 400 ft.
80.00	Set a rhyolite stone, 15 x 8 x 6 ins., 10 ins. in the ground for cor. of secs. 19, 24, 25 and 30, marked with 4 notches on N. edge and 2 notches on S. edge; 6 N on N.E. face and 4 E. on S.E. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits im- practicable. Magnetic declination N. 14° 45' E. Land mountainous. Soil, rocky, 4th and 5th rate. No timber. Very mountainous and rocky land, steep ascents and descents and exceptionally difficult to survey 80.00 chains.

	<p>North, bet. secs. 19 and 24. Over mountainous land, descending over steep N. slope 400 ft. to bottom on W. bdy. of Sec. 19.</p>
4.00	Bottom of descent, draw, course N.W., ascend 75 ft.
7.00	Top of ridge, brs. E. and W., descend 300 ft.
15.00	Draw, course N.W., ascend 40 ft.
17.00	Top of ascent, descend along E. side of draw.

West Boundary of Township 6 North, Range 4 East.

3

Chains	
32.00	Enter rocky wash, course N. and S., descend along wash.
38.00	Leave wash.
40.00	A cross (X) on a porphyry ledge in place, 3 x 6 x 18 ins., above ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Magnetic declination N 15° E.
	December 18, 1910: At the above $\frac{1}{4}$ sec. cor. at 3 p.m., l.m.t., I set off 23° 21 $\frac{1}{2}$ ' S., on the decl. arc, 33° 51' N., on the lat. arc; and determine a meridian with the solar. Leave mountainous land, descending over rolling land.
45.42	Enter wash, course W.
47.00	Leave wash, ascend.
50.00	Top of ascent; descend.
57.00	Wash, course W.
58.00	Ascend 50 ft.
68.00	Top of ascent, brs. N.W. and S.E.
72.50	Descend.
75.59	Wash, course N.W.
80.00	Set a porphyry stone, 15 x 8 x 8 ins., 10 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N. edge and 3 notches on S. edge; 6 N on N.E. face, 4 E on S.E. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. from which A palo verde 4 ins. in diam., brs. N. 53° 20' W., 173 lks. dist., marked T 6 N R 3 E S 13 B T. A palo verde 6 ins. in diam., brs. S. 67° 00' W., 53 lks. dist., marked T 6 N R 3 E S 24 B T. Land mountainous and rolling. Soil, rocky and gravelly, 3rd, 4th and 5th rate. No timber. Very mountainous land, steep ascents and descents, and exceptionally difficult to survey, 40.00 chs. Rolling land, rocky and gravelly, 40.00 chs. December 18, 1910.

	December 19, 1910: North bet. secs. 13 and 18. Over rolling land descending.
13.50	Descend steeply 25 ft.
14.10	Wash 50 lks. wide, course E, ascend over rolling land.
26.50	Old Government road, brs. E. and W., ascend steeply 75 ft. with great difficulty over boulders.
40.00	On S. slope amongst boulders. Set a porphyry stone, 16 x 8 x 8 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; from which A palo verde, 4 ins. in diam., brs. S. 83° 30' E., 160 lks. dist., marked $\frac{1}{4}$ S 18 B T. No other trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Thence N. ascending over steep S. slope, over boulders.
42.00	Top of ascent, descend to wash, 50 ft.
45.90	Wash, 1.00 ch. wide, course S.W.
51.00	Leave wash.
54.00	Ascend steeply, 50 ft.
55.00	Enter dense undergrowth of mesquite and palo verde.
70.00	Leave dense undergrowth.
80.00	On mesa sloping S.E. Set a porphyry stone, 15 x 12 x 8, ins., 10 ins. in the ground for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N., and 4 notches on S. edges, 6 N on N.E. face, 4 E on S.E. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Magnetic declination N. 14° 45' E. Mountainous and rolling land.

4 West Boundary of Township 6 North, Range 4 East.

Chains	Soil rocky and gravelly, 2nd and 3rd rate. No timber. Undergrowth: scrub palo cristo, mesquite and greasewood. Mountainous and rolling land, some steep ascents and descents, or land covered with boulders or dense undergrowth and exceptionally difficult to survey, 80.00 chs.

	North bet. secs. 7 and 12. Over rolling mesa, ascending.
30.00	Top of ascent, descend.
40.00	Point for $\frac{1}{4}$ sec. cor. falls in wash.
38.70	Set a porphyry stone 14 x 12 x 6 ins., 9 ins. in the ground for witness cor., marked $\frac{1}{4}$ W C on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. December 19, 1910: At this wit. cor., I set off on the decl. arc $23^{\circ} 24'$ S., and at 11 h. 57 m., a.m., l.m.t., observe the sun on the meridian, the resulting lat. is $33^{\circ} 52\frac{1}{2}'$ N. Thence descend with great difficulty over steep mountainous slope 900 ft.
43.00	Bottom of rim of mesa, wash, 10 lks. wide, course E, asc. 400 ft. over steep mountain slope covered with boulders, with great difficulty.
54.85	Descend.
57.00	Wash, course S.W., 10 lks. wide, ascend steeply.
70.50	Enter dense palo verde.
74.00	Leave dense palo verde.
80.00	On S.W. slope of steep mountain. Set a porphyry stone, 18 x 15 x 12 ins., 12 ins. in the ground for cor. of secs. 1, 6, 7, and 12, marked with 5 notches on S. and 1 notch on N. edges, from which. A palo verde 4 ins. in diam., brs. N. $37^{\circ} 40'$ E., 52 lks. dist., marked T 6 N R 4 E S 6 B T. A palo verde 3 ins. in diam., brs. N. $59^{\circ} 00'$ W., 32 lks. dist., marked T 6 N R 3 E S 1 B T. No other trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Magnetic declination N. 15° E. Land mountainous. Soil rocky, 2nd, 3rd and 4th rate. No timber. Undergrowth: palo verde, mesquite, catclaw, and ocatillo Mountainous and rocky land, or land covered with boulders or dense undergrowth, with difficult ascents and descents, and exceptionally difficult to survey, 80.00 chs.

	North bet. secs. 1 and 6. Over mountainous land covered with boulders, ascend with great difficulty steeply over boulders from sec cor.
32.25	Top of ascent, brs. E. and W., descend W. ridge of mountain very steeply 800 ft. to bottom of mountain.
40.00	At foot of very steep descent. A cross (X) on a porphyry ledge in place, 2 x 4 x 4 ft. above ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable. Magnetic declination N. 11° E. December 19, 1910: At this $\frac{1}{4}$ sec. cor., at 3 h. p.m., l.m.t., I set off $23^{\circ} 22' 30''$ S., on the decl. arc, $33^{\circ} 53'$ N., on the lat arc, and determine a true meridian with the solar. Thence ascend over very steep mountainous land.
41.20	Draw, course N.W., ascend 150 ft.
47.00	Top of ascent, descend to bottom of mountain.
80.00	Set a porphyry stone 15 x 12 x 8 ins., 10 ins. in the

West Boundary of Township 6 North, Range 4 East.

5

Chains ground for cor. of Ts. 6 and 7 N., Rs. 3 and 4 E., marked with 6 notches on each edge, 7 N on N.E., 6 N on S.W., 4 E on S.E., 3 E on N.W. faces; and raise a mound of stone 2 ft. base, 1½ ft. high S. of cor. Pits impracticable.

Magnetic declination N. 14° E.

Land mountainous.

Soil, rocky, 5th rate.

No timber.

Undergrowth, palo verde and mesquite.

Very mountainous and rocky land, or land covered with boulders, steep ascents and descents and exceptionally difficult to survey, 80.00 chs.

December 19, 1910.

South Boundary of Township 6 North, Range 4 East.

December 20: At 9 a.m., l.m.t., I set off 23° 24' S., on the decl. arc, 33° 49' N., on the lat. arc, and determine a true meridian with the solar, at the cor. of Ts. 5 and 6 N., Rs. 4 and 5 E., heretofore set by me.

Thence I run West on a random line on the S. bdy.

of sec. 36. Over rolling land covered with brush.

40.00 Set temp. ¼ sec. cor.

80.00 Set temp. cor. for cor. of secs. 35 and 36.

Thence ascend over mountainous and rolling land.

40.00 Set temp. ¼ sec. cor.

80.00 Set temp. cor. for cor. of secs. 34 and 35.

Thence ascend steep slope of Black mountain up granite formation.

40.00 Set temp. ¼ sec. cor.

80.00 Set temp. cor. for cor. of secs. 33 and 34.

Thence descend on W. slope of Black mountain over slate formation.

40.00 Set temp. ¼ sec. cor.

80.00 Set temp. cor. for cor. of secs. 32 and 33.

Thence W. on a random line over mountainous and rolling land.

40.00 Set temp. ¼ sec. cor.

80.00 Set temp. cor. for cor. of secs. 31 and 32.

Thence ascend over mountainous and rolling land.

40.00 Set temp. ¼ sec. cor.

81.60 Intersect W. bdy of T. 30 lks. N. of cor. of Ts. 5 and 6

N., Rs. 3 and 4 E., which is a quartzite stone 10 x 10 x 4 ins., above ground, marked and witnessed as described by the Surveyor General.

Thence I run N. 89° 58' E. Over mountainous land, descending.

3.00 Wash, 10 lks. wide, course S, ascend 25 ft.

5.00 Top of ascent, brs. N. and S., descend.

10.00 Gully 10 lks. wide, course S., ascend steeply 75 ft.

20.00 Top of ridge, brs. N. and S., descend.

26.00 Gully, 20 lks. wide, course S, descend.

30.70 Gully 30 lks. wide, course S., ascend.

32.00 Top of ascent, brs. N. and S., descend 75 ft.

41.60 On E. slope. Set a porphyry stone, 20 x 6 x 6 ins., 13 ins. in the ground for ¼ sec. cor., marked ¼ on N. face and raise a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

Magnetic declination, N. 14° 45' E.

Thence descend.

50.00 Gully 10 ft. deep, course S.

51.60 Leave gully, ascend.

55.00 Top of ridge, brs. N. and S., descend.

57.00 Wash, 30 lks. wide, course SW, ascend steeply 100 ft.

71.00 Top of ascent, ridge, brs. N. and S., descend steeply 125 ft.

81.60 Set a porphyry stone, 14 x 6 x 6 ins., 9 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked with 5 notches on E. and 1 notch on W. edges, and raise a

Chains.	<p>mound of stone, 2 ft. base, 1½ ft. high W. of cor. This cor. is on the steep E. slope above Cave Creek wash. Magnetic declination N. 14° 30' E. Land mountainous and rolling. Soil, 3rd and 4th rate, rocky. No timber. Undergrowth, scrub mesquite and giant cactus. Mountainous land, rocky and steep ascents and descents, and exceptionally difficult to survey, 81.60 chs. December 20, 1910.</p>

	<p>December 21, 1910: N. 89° 58' E., bet. secs. 5 and 32. Over mountainous land, descending.</p>
3.50	Bottom W. side draw Cave Creek, course S. Leave mountainous land, enter rolling land.
17.00	W. bank main channel Cave Creek.
18.50	E. bank, steep 15 ft., ascent.
19.00	Top of ascent, ascend over rolling land.
33.40	Road, Cave Creek to Copper Top mine, brs. N. and S.
40.00	Set a porphyry stone, 14 x 8 x 6 ins., 9 ins. in the ground for ¼ sec. cor., marked ¼ on N. face, from which A palo verde, 3 ins. in diam., brs. N. 8° 30' E., 65 lks. dist., marked ¼ S 32 B T. A palo verde 8 ins. in diam., brs. S. 11° 14' E., 182 lks. dist., marked ¼ S 5 B T. Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Magnetic declination N. 14° 30' E.
	<p>December 21, 1910: At this ¼ sec. cor., I set off 23° 25' 30" S., on the decl. arc, and at 11 h. 58 m., a.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33° 49' N. Thence ascend over rolling land.</p>
47.40	Top of ascent, brs. N. and S., descend.
50.00	Road, Cave Creek to Phoenix, brs. N. and S.
50.50	Bottom of descent, ascend.
76.50	Top of rise on S. slope of mountain, descend to cor.
80.00	Set a quartzite stone, 12 x 10 x 6 ins., 8 ins. in the ground for cor. of secs. 4, 5, 32 and 33, marked with 2 notches on W., and 4 notches on E. edges, from which, An ironwood, 8 ins. in diam., brs. S. 43° 32' W., 102 lks. dist., marked T 5 N R 4 E S 5 B T. An ironwood 10 ins. in diam., brs. S. 33° 17' E., 142 lks. dist., marked T 5 N R 4 E S 4 B T. An ironwood 20 ins. in diam., brs. N. 68° 55' E., 189 lks. dist., marked T 6 N R 4 E S 33 B T. A palo verde 4 ins. in diam., brs. N. 49° 06' W., 412 lks. dist., marked T 6 N R 4 E S 32 B T. Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Magnetic declination N. 14° 30' E. Land mountainous and rolling. Soil, rocky, 2nd and 3rd rate. Timber: mesquite and palo verde in washes. Undergrowth: giant cactus and ocotillo. Mountainous and rolling land, rocky, steep slopes, difficult ascents and descents and exceptionally difficult to survey, 80.00 chs.

	<p>North 89° 58' E., bet. secs. 4 and 33. Over mountainous and rolling land, descending.</p>
2.00	Bottom of descent, wash, course S.W., ascend.
3.00	Ascend steeply 60 ft. rise.
6.50	Top of rise, descend.
13.70	Bottom of descent, gully, course S.W., ascend.
16.55	Top of ascent, descend steeply 30 ft.
17.40	Wash, 40 lks. wide, course S, ascend.
19.00	Top of rise, descend.
20.50	Wash, 50 lks. wide, course S, ascend base of Black Mt.
40.00	Set a slate stone 24 x 10 x 8 ins., 16 ins. in the ground

South Boundary of Township 6 North, Range 4 East.

7

Chains	<p>for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which A palo verde, 6 ins. in diam., brs. S. $39^{\circ} 20' E.$, 113 lks. dist., marked $\frac{1}{4}$ S 4 B T. An ironwood 8 ins. in diam., brs. N. $43^{\circ} 45' E.$, 59 lks. dist., marked $\frac{1}{4}$ S 33 B T. Magnetic declination N. $14^{\circ} 30' E.$ December 21, 1910: At this $\frac{1}{4}$ sec. cor. at 3 p.m., l.m.t., I set off $23^{\circ} 25' S.$, on the decl. arc, $33^{\circ} 49' N.$, on the lat. arc; and determine a meridian with the solar. Thence ascend 1000 ft. over steep W. slope of Black Mountain.</p>
42.00	Gully, course S., ascend.
49.00	Gully, course S., ascend steep 30° to 45° slope over slate formation, on W. slope of Black Mountain.
80.00	A cross (X) on a slate boulder in place, 3 x 2 x 4 ft. above ground, for cor. of secs. 3, 4, 33 and 34, mark- ed with 3 notches on E. and 3 notches on W. edges, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Magnetic declination, N. $14^{\circ} 40' E.$ Land mountainous. Soil, gravelly and rocky, 3rd and 4th and 5th rate. No timber. Undergrowth: palo cristo, mesquite, iron- wood, ocotillo and giant cactus. Very mountainous land, rocky, steep ascents and des- cents, and exceptionally difficult to survey 80.00 chs. December 21, 1910

	<p>December 22, 1910: North $89^{\circ} 58' E.$, bet. secs. 3 and 34. Ascend steep W. slope of Black Mountain, over steep cliffs.</p>
1.80	Top of W. ridge of Black Mountain about 5.00 chs. S. of highest peak, ascend steeply along S. slope of high peak.
2.50	97 lks. S. to N.E. cor. of Mormon Boy mining claim.
7.00	Top of ridge, brs. N. and S., descend 75 ft.
10.00	Bottom of descent, gulch, course S, ascend.
16.50	Top of S. slope of Black Mountain, descend steeply 300 ft.
23.00	Bottom of descent on S. slope of saddle, contact, feld- spar, granite and slate, general dip S.W., strike N.W., overturned at all angles. Ascend steeply over big granite boulders.
36.20	Top of rise in saddle 3.00 chs. S. of a sugar loaf cliff, descend steep E. slope of Black Mountain over granite formation and over big boulders, descend 1000 ft. to foot of mountain.
	On E. slope.
40.00	Set a granite stone 15 x 8 x 6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits im- practicable.
	Thence descend steep slope.
62.00	Bottom of steep slope, ascend steep butte 100 ft.
66.50	Summit of steep butte.
67.50	Bottom of butte, descend.
80.00	Set a porphyry stone 22 x 10 x 6 ins., 14 ins. in the ground for cor. of secs. 34 and 35, marked with 2 notches on E., and 4 notches on W. edges, 6 N on N.E., 4 E on S. E. faces, from which A palo verde 4 ins. in diam., brs. N. $27^{\circ} 42' W.$, 31 lks. dist., marked T 6 N R 4 E S 34 B T. A palo verde 2 ins. in diam., brs. N. $75^{\circ} 10' E.$, 58 lks. dist., marked T 6 N R 4 E S 35 B T. A palo verde 6 ins. in diam., brs. S. $32^{\circ} 00' E.$, 202 lks. dist., marked T 5 N R 4 E S 2 B T. No other trees available, Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Magnetic declination N. $14^{\circ} 30' E.$ Land mountainous. No timber. Undergrowth: scattered mesquite, grease- wood and cactus.

8 South Boundary of Township 6 North, Range 4 East.

Chains	Soil, rocky, 4th and 5th rate. Very mountainous land, steep, perpendicular cliffs, or land covered with boulders and exceptionally difficult to survey, 80.00 chs. December 22, 1910.

	November 30, 1911. From the above corner I run N. 89° 58' E., bet. secs. 2 and 35. Over mountainous and rolling land descending.
12.00	Wash, course N.
19.00	Big boulder, 30 ft. high, 1 ch. wide, on line.
40.00	Set a limestone 16 x 12 x 10 ins., 10 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, and raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor., from which A palo verde 10 ins. in diam., brs. N. 10° E., 71 lks. dist., marked $\frac{1}{4}$ S 35 B T. A palo cristo 6 ins. in diam., brs. S. 65° W., 280 lks. dist., marked $\frac{1}{4}$ S 2 B T.
51.60	Road Verde River to Cave Creek brs. N.E. to S.W.
62.10	Wash, course S., ascend.
64.00	Top of ascent, descend 75 ft.
68.00	Ascend along rolling mesa.
73.00	Top of ascent, descend.
76.00	Wash, course S.W., ascend.
80.00	A quartzite stone 15 x 8 x 4 ins., set 10 ins. in the ground, marked with 1 notch on the E., and 5 notches on the W. edges, 6 N on N.E., 4 E on S.W. faces, and a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high W. of cor., pits impracticable. This corner was set December 22, 1910. Land mountainous and rolling. Soil, gravelly and rocky, 2nd and 3rd rate. No timber. Undergrowth: Dense palo cristo, grease-wood, catclaw, and ocotillo. Mountainous and rolling land, 80.00 chs. November 30, 1911.

	December 22, 1910. North 89° 58' E., bet. secs. 1 and 36. Over rolling land, descending.
2.00	Wash, 20 lks. wide, course S.E., ascend.
5.20	Top of ascent, descend.
8.10	Wash, 10 lks. wide, course S.W., ascend.
14.00	Top of ascent, descend.
16.10	Wash, 20 lks. wide, course S.W., ascend.
23.00	Top of ascent, descend.
26.00	Wash, 30 lks. wide, course S.W., ascend. Road to McDowell brs. N.W. and S.E.
40.00	Set a porphyry stone 15 x 10 x 8 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face, from which A palo verde 3 ins. in diam., brs. N. 82° 00' W., 352 lks. dist., marked $\frac{1}{4}$ S 36 B T. A palo verde 6 ins. in diam., brs. S. 43° 00' W., 112 lks. dist., marked $\frac{1}{4}$ S 1 B T. Magnetic declination N. 14° 30' E.
	December 22, 1910: At this $\frac{1}{4}$ sec. cor. at 3 p.m., l.m.t., I set off 23° 25' S., on the decl. arc, 33° 49' N., on the lat arc, and determine a meridian with the solar.
58.90	Wash, 8 lks. wide; course S.W., ascend.
62.50	Top of ascent, descend.
64.80	Wash, 5 lks. wide; course S.W., ascend over rolling land.
80.00	The cor. of Ts. 5 and 6 N., Rs. 4 and 5 E. Land, rolling. Soil, gravelly, 2nd and 3rd rate. No timber. Undergrowth: mesquite, catclaw, palo verde, greasewood, ocotillo and giant cactus. Rolling land, 80.00 chs. December 22, 1910.

	Owing to bad weather no work was done on December 23rd, 24th and 25th, 1910

North Boundary of T. 6 N., R. 4 E.

9

Chains.	December 26, 1910: At 9 a.m., l.m.t., I set off 23°21'S. on the decl. arc; 33°54'N on the lat. arc; and determine a true meridian with the solar at the cor. of Tps. 6 and 7 N., Rs. 4 and 5 E. previously described.
	Thence I run
	West on a random line, along the N. bdy. of Tp. 6 N., R. 4 E., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of 40.00 chs.; and, at 481.36 chs., intersect the W. bdy. of Tp., 39 lks. S. of cor. of Tps. 6 and 7 N., Rs. 3 and 4 E., heretofore set by me; therefore I run
	S. 89° 57' E., on a true line, bet. secs. 6 and 31
	Over very steep and mountainous land, ascending with great difficulty 100 ft.
3.16	Top of NW ridge, brs. NW and SE; descend 150 ft.
7.30	Bottom of canyon, course NW; ascend
16.25	Top of ridge, brs. NW and SE; descend 100 ft.
18.05	Bottom of descent; draw, course NW; ascend 90 ft.
21.40	Top of ridge, brs. NW and SE; descend
25.60	Bottom of descent; draw, course NW; ascend 150 ft.
26.40	Top of ridge, brs. NW and SE; descend 75 ft.
28.80	Bottom of canyon, course NW; ascend 100 ft.
35.70	Top of ridge, brs. NW and SE. 3 chs. N. to spring of fresh water; descend 125 ft.
39.26	Bottom of descent; gulch, course NW; ascend 175 ft.
41.36	Set a niggerhead, 18x15x8 ins., 12 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Magnetic declination, N. 14° E.
	Thence ascend over steep mountain slope.
42.16	Top of ridge, brs. N and S; descend
42.85	Bottom of descent; wash, course N; ascend steeply, 150 ft.
46.80	Top of ridge, brs. N and S; descend steeply, 125 ft.
54.50	Bottom of descent; wash, course N; ascend 100 ft.
57.80	Top of ridge, brs. N and S; descend 50 ft.
59.40	Bottom of descent; gulch, course N; ascend 40 ft.
61.15	Top of ascent, brs. N and S; descend 75 ft.
63.80	Bottom of descent; gulch, course N; ascend 100 ft.
67.25	Top of ridge, brs. N and S.; descend 200 ft. to cor.
81.36	Set a porphyry stone, 14x8x6 ins., 9 ins. in the ground for cor. of secs. 5, 6, 31 & 36, marked with 1 notch on W and 5 notches on E edges; from which A palo Cristo, 4 ins. diam., brs. S. 67°40' W., 82 lks. dist., marked T 6 N R 4 E S 6 B T A palo verde, 3 ins. diam., brs. N. 60°12' W., 62 lks. dist., marked T 7 N R 4 E S 31 B T No other trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky; 4th and 5th rate.
	No timber.
	Undergrowth, scattered palo Cristo and mesquite.
	Very mountainous land covered with boulders, steep canyons and gulches and exceptionally difficult to survey, 81.36 chs.

	S. 89° 57' E., bet. secs. 5 and 32.
	Over very mountainous land, descend with great difficulty steeply 200 ft.
5.60	Wash, 20 lks. wide, course SE; ascend 70 ft.
6.50	Top of ascent; descend 100 ft.
14.00	Bottom of descent; draw, 20 lks. wide, course NE; ascend 75 ft.
17.50	Top of ridge, brs. NE and SW; descend 250 ft.
31.00	Bottom of descent; draw, 20 lks. wide, course SW; ascend steeply 50 ft.

10

North Boundary of T. 6 N., R. 4 E.

Chains.	
34.00	Top of steep ascent; ascend
37.00	Top of ascent, brs. NE and SW; descend
40.00	Set a porphyry stone, 14x6x6 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A palo verde, 6 ins. diam., brs. N. $7^{\circ}30'W.$, 19 lks. dist., marked $\frac{1}{4}$ S 32 B T A palo verde, 3 ins. diam., brs. S. $60^{\circ}20'E.$, 36 lks. dist., marked $\frac{1}{4}$ S 5 B T Magnetic declination, N. $14^{\circ}15'E.$ December 27:1910: At this $\frac{1}{4}$ sec. cor., I set off $23^{\circ}20'S$ on the decl. arc; and at 12h lm p.m., l.m.t., observe the sun on the meridian; the resulting lat. is $33^{\circ}54'N$ Thence descend over very mountainous land
41.00	Wash, 20 lks. wide, course SW; ascend 50 ft.
43.50	Top of ascent, brs. NE and SW; descend 50 ft.
45.40	Bottom of descent; draw, 10 lks. wide, course SW; ascend steeply, 150 ft.
49.25	Top of west rim of rolling mesa, brs. NE and SW; ascend
54.00	Top of mesa, brs. NE and SW; descend
59.50	Top of east rim of mesa; descend 200 ft.
67.20	Bottom of descent; enter canyon, course SW; ascend
67.95	Leave canyon; ascend 150 ft.
71.40	Top of ascent, brs. NE and SW; descend 125 ft.
75.20	Bottom of descent; draw, 10 lks. wide, course SW; ascend 200 ft.
80.00	Set a porphyry stone, 14x10x6 ins., 9 ins. in the ground for cor. of secs. 4, 5, 32 & 33 marked with 2 notches on W., and 4 notches on E. edges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. This cor. is situated on steep W. slope near top. Land, mountainous. Soil, rocky; 4th and 5th rate. No timber. Undergrowth, scrub mesquite and palo verde, cactus. Very mountainous land, steep, rocky ascents and descents and exceptionally difficult to survey, 80.00 chs.
Summary 33x1919x	

North, $89^{\circ}57'E.$, bet. secs. 4 and 33. Over very mountainous land, ascending with great difficulty	
2.25	Top of ridge, brs. NE and SW; descend 200 ft.
11.25	Draw, 10 lks. wide, course SE; ascend 25 ft.
12.00	Top of ascent; descend steeply 200 ft.
18.00	Bottom of descent; draw, 20 lks. wide, course SW; ascend 75 ft.
20.00	Bottom of descent; canyon 45 lks. wide, course se; ascend 50 ft.
21.40	Top of ascent; descend 75 ft.
23.00	Canyon, course S; ascend 50 ft.
24.75	Top of ridge, brs. NW and SE; descend
25.40	Bottom of descent; ascend 75 ft.
29.00	Top of ridge, brs. N and S; descend
30.15	Bottom of descent; gulch 20 lks. wide, course S; ascend 50 ft.
31.25	Top of ridge, brs. N and S; descend 125 ft.
33.30	Bottom of descent; gulch, 15 lks. wide, course SE; ascend 30 ft.
38.50	Top of ridge, brs. N and S.
40.00	Set a tufa stone, 15x8x6 ins., 10 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which A palo verde, 4 ins. in diam., brs. S. $45^{\circ}W.$, 26 lks. dist., marked $\frac{1}{4}$ S 4 B T No other trees available. Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable Magnetic declination, N. $14^{\circ}15'E.$

North Boundary of T. 6 N., R. 4 E.

11

Chains
 44.70 Thence descend over very mountainous land
 46.65 Bottom of descent; gulch, course SE; ascend 50 ft.
 50.80 Top of ridge, brs. NW and SE; descend 100 ft.
 55.00 Draw, course SE; descend
 Wash, 15 lks. wide, course SE; ascend 60 ft. along N.
 side of draw.
 56.80 Top of ascent; descend 75 ft.
 58.35 Bottom of descent; wash, 20 lks. wide, course SE; ascend
 62.50 Top of ascent; descend 100 ft.
 68.00 Bottom of W. bank of Cave Creek, course SW
 70.52 Main channel of Cave Creek, course SW., running water.
 71.05 Bottom of E. bank of Cave Creek, course SW; ascend 50 ft.
 73.00 Top of bank of Cave Creek; ascend 100 ft.
 80.00 On W. slope.
 A cross (X) on a porphyry ledge in place, 24x8x12 ins.
 above ground for cor. of secs. 3, 4, 33 & 34 marked with 3
 notches on E and 3 notches on W. edges; and raise a
 mound of stone, 2 ft. base, 1½ ft. high, W. of cor. Pits
 impracticable.
 Magnetic declination; N. 14° 30' E.
 Land, mountainous.
 Soil, rocky; 4th and 5th rate.
 No timber.
 Undergrowth, palo verde, mesquite, catclaw and giant
 cactus.
 Mountainous land, steep slopes, ascents and descents,
 cut with gulches and exceptionally difficult to survey,
 80.00 chs.
 December 27, 1910.

December 28, 1910: At 9 a.m., l.m.t., I set off 33° 54' N. on
 the lat. arc; 23° 15' 30" S on the decl. arc; and determine
 a true meridian with the solar at the cor. of secs.
 3, 4, 33 and 34.

Thence I run

S. 89° 57' E. on a true line bet. secs. 3 and 34

Over very mountainous land, ascending with great diffi-
 culty.

5.45 Top of ascent on N. slope; descend 150 ft.
 16.00 Bottom of descent; draw, course SW; ascend 200 ft.
 25.25 Top of rise; descend 100 ft.
 31.75 Bottom of descent; gulch, course SE; ascend 100 ft.
 36.20 Top of ridge, brs. SE and NW; descend
 40.00 Set a porphyry stone, 14x6x6 ins., 9 ins. in the ground for
 ¼ sec. cor., marked ¼ on N. face; and raise a mound of
 stone, 2 ft. base, 1½ ft. high, N. of cor., on W. slope.
 Pits impracticable.
 Magnetic declination, N. 14° E.
 Thence descend with great difficulty over very mountain-
 ous land.
 41.00 Bottom of descent; draw, course SW; ascend 100 ft.
 44.10 Top of ascent; descend 50 ft.
 51.25 Bottom of descent; wash, 25 lks. wide, course SW; ascend
 200 ft.
 64.00 Top of ridge, brs. SW and NE; descend 100 ft.
 68.70 Bottom of descent; draw, course SW. L ch. S. to spring.
 Ascend 150 ft.
 76.00 Top of ridge, brs. NE and SW; descend 100 ft.
 77.80 Bottom of descent; gulch, course SW; ascend
 80.00 Set a porphyry stone, 14x12x8 ins., 9 ins. in the ground for
 cor. of secs. 2, 3, 34 & 35, marked with 4 notches on W. and 2
 notches on E. edges; and raise a mound of stone 2 ft.
 base, 1½ ft. high, W. of cor. Pits impracticable.
 Magnetic declination, N. 14° E.

Land, mountainous.

Soil, rocky; 4th and 5th rate.

No timber; undergrowth, palo verde, catclaw, ocotillo
 and cactus.

Mountainous land, rough, steep ascents and descents and
 exceptionally difficult to survey, 80.00 chs.

Chains.	S. 89° 57' E., on a true line, bet. secs. 2 and 35 Over mountainous land, ascend with great difficulty 150 ft.
4.20	Top of ridge, brs. NE and SW; descend 100 ft.
7.25	Bottom of gulch, course SW; ascend 250 ft.
10.85	Top of ridge, brs. NE and SW; descend
16.00	Bottom of steep 150 ft. slope; wash at bend, 30 lks. wide, course W and SW; ascend
21.00	Top of ascent; descend 50 ft.
23.60	Wash, 30 lks. wide, course NW, running water; ascend 150 ft.
27.80	Top of ridge, brs. NE and SW; descend
32.70	Bottom of descent; canyon, 30 lks. wide, course S., run- ning water; ascend 700 ft. to top of ridge.
40.00	Set a porphyry stone, 14x10x8 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits imprac- ticable. Magnetic declination, N. 14° E. December 28, 1910: At this $\frac{1}{4}$ sec. cor., I set off 23°17' S on the decl. arc; and at 12h 1m p.m., l.m.t., observe the sun on the meridian; the resulting lat. is 33°54' N Thence ascend steep 900 ft. rise over loose boulders and rocks.
54.90	Top of ridge, brs. NE and SW; descend 100 ft.
60.50	Bottom of descent; ascend 150 ft.
67.00	Top of ridge, brs. NE and SW; descend
68.75	Bottom of descent; gulch, course SW; ascend
72.50	Top of ridge, brs. NE and SW; descend 300 ft.
80.00	Set a porphyry stone, 15x6x8 ins., 10 ins. in the ground for cor. of secs. 1, 2, 35 & 36, marked with 1 notch on E. edge and 5 notches on W. edge; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable. Magnetic declination, N. 14°30' E. Land, mountainous. Soil, rocky; 4th and 5th rate. No timber. Undergrowth, scattered palo verde, ocotillo and cactus. Mountainous land, steep ascents and descents or land covered with boulders and rocks and exceptionally difficult to survey, 80.00 chs.

	S. 89°57' E. on a true line, bet. secs. 1 and 36 Over mountainous land, descending 200 ft.
1.50	Bottom of descent; gulch, course SW; ascend 100 ft.
4.60	Top of ridge, brs. NW and SE; descend 200 ft.
19.00	Draw, course NE; ascend
21.85	Top of ascent; descend 80 ft.
24.00	Bottom of descent; draw, course NW; ascend
28.20	Top of ridge, brs. NE and SW; descend 100 ft.
30.10	Bottom of descent; gulch, course NE; ascend 125 ft.
34.30	Top of ridge, brs. N and S; descend
36.75	Bottom of descent; gulch, course NE; ascend 50 ft.
40.00	Set a schist stone, 14x8x6 ins., 9 ins. in the ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable Magnetic declination, N. 14° E. Thence descend over mountainous land 75 ft.
43.25	Bottom of descent; gulch, course NW; ascend 100 ft.
47.00	Top of ridge, brs. NW and SE; descend 35 ft.
48.50	Bottom of descent; gulch, course NW; ascend 20 ft.
49.50	Top of ascent; descend 50 ft.
52.00	Bottom of descent; ascend 50 ft.
53.20	Top of ridge, brs. NE and SW; descend 75 ft.
55.85	Wash, 10 lks. wide, course N.; ascend 100 ft.
58.30	Top of ridge, brs. NE and SW; descend
60.50	Bottom of descent; ascend along draw,
62.85	Leave draw; ascend 200 ft.
70.50	Top of ridge, brs. NE and SW; descend 100 ft.
72.00	Draw; ascend along SE slope.
80.00	The cor. of Tps. 6 and 7 N., Rs. 4 and 5 E. previously described

North Boundary of T. 6 N., R. 4 E.

Chains. Land, mountainous.
 Soil, rocky; 4th and 5th rate:
 No timber; undergrowth, mesquite, catclaw and giant cactus.
 Mountainous land, steep ascents and descents, or land covered with boulders and exceptionally difficult to survey,
 80.00 chs.

December 28, 1910.

Boundaries of Township 6 N., R. 4 E.
 Latitudes, Departures and Closing Errors.

Line Designated	True Bearing	Dist	Latitudes		Departures	
			N.	S.	E.	W.
S.Bdy.T.6 N R.4 E.	S.89°58'W.	481.60	.....	0.30	.....	481.60
W.Bdy.T.6 N. R.4 E.	North	480.00	480.00	.....	.....	.....
N.Bdy.T.6 N. R.4 E.	S.89°57'E.	481.36	.....	..0.42	481.36	.....
1st Guide Meridian E.	South	480.00	.....	480.00	.....	.....
Convergency	.....	.....	.....	.....	..0.49	.....
Totals,.....	.....	.....	480.00	480.72	481.85	481.60
				480.00	481.60	
Error in lat.....				0.72	0.25	Dep.Error

GENERAL DESCRIPTION.

This township is mountainous on the north half, also on the East, West, South and North boundaries; mountainous and rolling in the central portion. The formation is slate on edge, granite, porphyry, tufa and limestone intermixed and overturned.

Surface mineral, showing good.

Central portion along washes and rolling mesas is covered with scrub palo verde, mesquite, catclaw, ccotillo, cholla, giant cactus and greasewood. Running water in Cave Creek. Springs in norther portion

Township 5 N., R.4 E. is level and rolling, well covered with brush, scrub mesquite, palo verde and cholla, and several varieties of cactus. No water. Good growth of grasses for cattle and sheep in winter and spring. Soil, gravelly, cut by small washes.

Township 6 N. R.3 E. is mountainous; small area of level land near Tp.bdy. No timber.

W. S. DeWitt

U. S. Deputy Surveyor.

December 28, 1910.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Rosevelt
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

Texas

showing the respective capacities in which they acted:

- R B Miller , Chairman.
- E E Barr , Chairman.
- Geo W Houch , Moundman.
- T Thorpe , Moundman.
- W G Smith , Azman.
- Gene Moore , Azman.
- Andrew Schumerson , Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Rosevelt
United States Deputy Surveyor, in surveying all
those parts or portions of the

Texas

..... of the
G & S R B meridian County 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

- Andrew Schumerson , ~~Chairman~~ Flagman
- E E Barr , Chairman.
- George W Houch , Moundman.
- T Thorpe , Moundman.
- R B Miller , ~~Azman~~ Chairman
- W G Smith , Azman.
- Gene Moore , Flagman.

Subscribed and sworn to before me this 20th
day of Jan, 1911.

Rosevelt
U S Deputy Surveyor



FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Roscoe C. Ham, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank Ingalls United States Surveyor General for Arizona bearing date of the 5th day of Jan, 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 Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the North South and West Boundaries of T. 6 N. R. 4 E.

632 R of the 632 R meridian, in the County of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Roscoe C. Ham
United States Deputy Surveyor.

Subscribed by said Roscoe C. Ham, and sworn to before me }
this 1st day of February, 1911

W. C. ...
U.S. Commissioner



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Nov. 24, 1911

The foregoing field notes of the survey of the North South and West Boundaries of T. 6 N. R. 4 E. of the Gita and Salt River Ditch and Meridian

executed by Roscoe C. Ham under his contract No. 162, dated January 5, 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 Ingalls
United States 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.