

FIELD NOTES BOOK 2284

BOOK 2284

NAMES AND DUTIES OF ASSISTANTS.

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BOOK 2284

INDEX DIAGRAM.

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6—151

BOOK 2201	(300)
WE	and
do solemnly swear that we will	well and faithfully execute the duties of chainmen; that we will level the bund, and plumb the tally pins, either by sticking or dropping the same; that
	s to all notable objects, and the true lengths of all lines that we assist in
	ill and ability, and in accordance with instructions given us, in the survey of
	$,\ Chainman.$
	, Chainman.
Subscribed and sworn to before	
day of	
※)SEAL(※) ※ 来 来 来	·
	and
	ll well and truly perform the duties of moundmen in the establishment
of corners, according to the in	structions given us, to the best of our skill and ability, in the survey of
	, Moundman.
	, Moundman.
	, Mountain.
Subscribed and sworn to before	me this
day of	
****** ** SEAL (*) ******	
	······································
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 i	nstructions given us, to the best of our skill and ability, in the survey of
	, Axman.
Subscribed and sworn to before	C
day of	
	· · · · · · · · · · · · · · · · · · ·
(*) SEAL (*)	
•	
	do solemnly swear that I will well and truly
perform the duties of flagman a	according to instructions given me, to the best of my skill and ability, in the
survey of	·
	Flagman.
Subscribed and sworn to before	me this)
day of	}
any or	·
***** *) SEAL (*)	

PRELIMINARY OATHS OF ASSISTANTS.

Chains.

Survey commenced, Jan. 27th, 1911 and executed with Blount & Co. Light Engineering transit, No. 601, previousely described under this contract.

I examine the adjustments of the instruement and correct the level errors, then to test the solar apparatus by comparing its indications, resulting from solar obs. made during a. m. and p. m. hours, with a meridian determined by obs. on Polaris, I proceed as follows:-

At the corner of Tps. 12 and 13 S., Rs. 9 and 10 E.; a malpais stone. 8x9x7 ins. above ground, properly marked and witnessed as described by the Surveyor General; lat. 32°19'58"N., Long. 111°23'W.: I set off 18°35½'S. on the decl. arc, 57°40' on the co-lat. arc, and determine a mer. with the solar at this cor. and mark a point in the line thereof on a stone firmly set 5 chs. N. of the cor. Time: 8h.0m.a.m., 1.m.t.

At 3h, p. m., l. m. t., I set off 18°32'S. on the decl. arc, 57°40' on the co-lat. arc, and mark a point in the mer., thus determined on the stone, 5 chs. N. of my station, by a small groove, this point falls 6/10 of an inch to the east of the a. m. solar.

At 10h59m., p. m., l. m. t., by my watch, I obs. Polaris at Western elongation, in accordance with Mamual of Instructions, and mark a point in the line thus determined, on a peg driven 5 chs. N. of my station.

Jan. 27th, 1911.

Jan. 28th: At 7h, a. m., l. m. t., I lay off the azimuth of Polaris, 1°23' to the East, and mark the meridian thus determined, by cutting a small groove in the stone, already set, Jan. 27th, on which the mer. falls 0.3 ins., to the east of the a. m. solar.

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

The magnetic bearing of the true meridian at Zh30m, a. m., N.14°W.; the angle thus determined gives the mag. decl. 14°E.

From the cor. of Tps. 12 and 13 S., Rs. 9 and 10 E., previously described, I run North bet. secs. 35 and 36.

12.00 Enter bottom land bears NE. and West.

15.06 Road bears East and West.

28.00 Ascend along the east slope of Butte.

34.80 Top of ridge bears East and West, descend.

38.80 Cliff, 25 ft. high, bears NW. and SE. Descend.

38.80 Set a basalt stone, 18x328 ins., 10 ins. im the ground for the \$\frac{1}{2}\text{ sec. cor.} \text{ mkd. }\frac{1}{2}\text{ on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

47.00 Leave slope of Butte, bears NW. and SE. Continue over gentle east slope in undergrowth of chapparel and mesquite.

3.

Mast Boundary of T. 12 S., R. 9 E. July 1 Ha Set a basalt stone, 18x12x12 ins., 12 ins. in the ground, for the cor. of secs. 25, 30, 31 and 36, mkd. with 1 getch on the S. and 5 motches on the N. edge, and 80.00 dig pits, 18x18x12 ins., in each section, 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land semi mountainous. Soil 3rd rate. undergrowth of mesquite and chapparsel North bet. secs. 25 and 30 Set a basalt stone, 14x8x6 ins., 10 ins. in the ground for the # sec. cor., mkd. # on W. face, and dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, W. of cor. 40.00 Set a basalt stone, 14x8x6 ins., 10 ins. in the ground for the cor. of secs. 19, 24, 25 and 30, mkd. with 2 notches on the S. and 4 notches on the N. edges, and 80.00 dig pits, lexlex12 ins., in each section, 5 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Soil 3rd rate. Some chapparel and Land rolling. mesquite undergrowth. North bet. secs. 19 and 24. 40.00

Set a basalt stone, 15x8x5 ins., 10 ins. in the ground for the # sec. cor., mkd. # on W. face, and dig pits: 18x18x12 ins., N° and S° of cor., 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, W° of cor.

Set a basalt stone, 14x10x8 ins., 10 ins. in the ground 80.00 for the cor. of secs. 13, 18, 19 and 24, mkd. with 3 actions of the N. and S. sages, and dig pits, in each section, 52 ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

> Land relling. Soil 3rd rate. Some chapparel and mesquite undergrowth.

Jan. 28th: -. At this cor., I set off 18°:19'S. on the decl. arc, and at 12h13m, p. m., 1. m. t., $\bar{1}$ obs. the sun on the mer., the resulting lat. is 32°23'. N.

North bet. secs. 13 and 18.

30.00 Arroyo, 25 lks. wide, course E.

Road bears E. and W. 32.57

36.00 Ascend Butte.

Set a basalt stone, 15x10x5 ins., 10 ins. in the ground, for the t sec. cor., mkd. t on W. face, and raise a mound 40.00 of stone, 2 ft. base, l_2 ft. high, W. of cor. Va. 14°52'E. Va.

Tep of Butte, bears E. and W. 43.00 Des cend.

Foot of descent, bears E. and W. 69.70 Thence over rolling ground.

Set a basalt stone, 18x12x9 ins., 12 ins. in the ground, 80.00 for the cor. of secs. 7, 12, 13 and 18, mkd. with 2 notches on the N. and 4 notches on the S. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

East boundary of T. 12.S., R. 9 E.

Chains.

Land rolling and semi mountainous. Soil 3rd rate. some mesquite and chapparel undergrowth.

North bet. secs. 7 and 12. Va. 13°35'E.

Set a basalt stone, 15x7x7 ins., 10 ins. in the ground for the 1 sec. cor., 12kd. 1 on W. face, and dig pits, 18x18x12 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, 31 ft. base, 11 ft. high, W. of cor.

Old read bears E. and W.

80.00 Set a basalt stone, 18x6x5 ins. 12 ins. in the ground for the cor. of secs., 1, 6, 7 and 12, mkd. with 1 motches on the N. and 5 notches on the S. edges, and dig pits, 18x18x12 ins., in each section, 5½ ft. dist. and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor.

Jan. 28th:- At 3h, p. m., l. m. t., I set off

18°16½'S. on the decl. arc, 57°36' on the co-lat. arc

and determine a mer. with the solar at this cor.

> Soil 3rd rate. Mesquite and chap-Land rolling. parel undergrowth.

North bet. secs. 1 and .6.

Set basalt stone, 15x7x7 ins., 10 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on W. face, and dig pits, 40.0d laxlaxl2 ins., N. and S. of cor., 3 ft. dist. and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Set a basalt stone, 14x8x6 ins., 10 ins. in the ground, for the cor. of Tps. 11 and 12 S., Rs. 9 and 10 E., mkd 11S on NE., 10E on SE., 12 S on SW. and 9E on NW. face, with 6 notches on the N., E., S. and W. edges, dig pits 24x24x12 ins., N., E. and W. 4 ft. and S. of stone, 8 Ft., and raise a mound of earth, 5 ft. base, 22 ft. high, S. Whence,

A mesquite, 6 ins. in diam., bears N.54°30°E., 84 lks. dist., mkd. TllSR10ES31BT.
A mesquite, 4 ins. in diam., bears S.43°E., 41 lks.

dist., mkd. Tl2SRl0ES6BT.

A mesquite, 7 ins. in diam., bears S.73°W., 70 lks.

dist., mkd. Tl2SR9ESlBT.

A mesquite, 8 ins. in diam., bears N.5°W., 48 lks.
dist., mkd.TllSR9ES36BT.

Land rolling. Soil 3rd rate. Mesquite underbrush. Jan. 28th, 1911.

80.00

8. bdv. of T. 12 S. R. 9 E.

Chains. Jan. 30th.

From the cor. of tps. 12 and 13 S., Rs. 9 and 10 E., previously described, I run
West on a true line bet. secs. 1 and 36.

Ascending steep mountain spur

Descend. Top of spur, bears NE. and SW. escend. Set a basalt stone, 20x14x9 ins., '15 ins. in the ground for the ‡ sec. cor., mkd. ‡ on N. face, and raise a mound 13.50 40.00 of stone, 2 ft. base, 12 ft. high, No of cor. Pits impracticable.

Arroyo, 15 lks. wide, course N. Ascend SE. slope of MT. 45.82

Set a basalt stone, 17x11x7 ins., 12 ins. in the ground, for the cor. of secs. 1, 2, 35 and 36, mkd. with 1 notch on the E. and 5 notches, on the W. edgas, and raise a mound of stone, 2x1t. base, $1\frac{1}{2}$ ft. high, W. of cor. 80.00

Pits impracticable.

Land mountainous. Soil 4th rate. Scattering mesquite brush.

West on a true line bet.secs. 2 and 35. Ascent steeper.

36.45 Precipitous mountain ridge bears N. and S. Descend:

Set a basalt stone, 16x7x6 ins., 10 ins. in the ground for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on N. face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2}\$ ft. high, N. of cor. 40.00 Pits impracticable.

Ravine, 7 chs. wide, course S. Ascend.
Set a basalt stone, 17x10x6 ins., 12 ins. in the ground, for the cor. of secs. 2, 3, 34 and 35, mkd. with 2 notches on the E. and 4 notches on the W. Edges, and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. 70.00 80.00 Pits impracticable.

> Land mountainous and difficult to survey. Soil No timber. 4th rate.

Jan. 30th: At this cor., I set off 17°442'S.on the decl. arc, 57°40's on the co-lat. arc, and determine a mer. with the solar at this cor., at 3h,p. m., l. m. t.

West on a true line bet. sec 3. 3 and 34. Adcend, 5

Ridge bears NE. and SW. Descend. 2.50 Leave hills hills bears NE. and SW. gradually along S. slope of ridge. 32.00 Thence ascending

Set a basalt stone, 13x9x8 ins., 8 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor. 40.0⁰ Pits impracticable.

Set a basalt stone, 16x9x5 ins., 10 ins. in the ground, for the cor. of secs. 4,3, 33 and 34, mkd. with 3 notches 80.00 on the E. and W. Edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

Soil 4th rate. No timber. Land semi mountainous.

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West on a true line bet. secs. 4 and 33. Va. 13°32'E.

40.00 Set a basalt stone, 15x7x5 ins., 10 ins. in the ground, for the $\frac{1}{4}$ sec. cor., mkd. $\frac{1}{4}$ on N. face, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Set a blue limestone, 15x10x6 ins., 10 ins. in the ground for the cor. of secs. 4, 5, 32 and 33, mkd. with 2 notches on the W. and 4 notches on the E. edges and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. 80.00

> Land sloping to S. Soil 3rd rate. No timber.

Jan. 30th, 1910.

The sky was overcast at noon and solar obs. Note: impossible.

West on a true line bet. secs. 5 and 32, ascending along South slope of mountain.

Set a limestone, 15x9x5 ins., 10 ins. in the ground, for the 4 sec. cor., mkd. 4 on N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor. 40.00

55.00 Read bears N. and S.

Set a limestone, 15x8x7 ins., 10 ins. in the ground, for the cor. of secs. 5, 6, 31 and 32, mkd. with 1 notch: om the W. and 5 notches on the E. sage, and raise 80.00 a mound of stone, 2 ft. base, 12 ft. high, W. of cer.

> Land sloping & S. Soil 3rd rate. No timber.

West on a true line bet. secs. 6 and 31.

Set a limestone, l6xl0x6 ins., 10 ins. in the ground, for the \$\frac{1}{4}\$ sec. cor., mkd. \$\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. 40.00

Read bears NE. and SW. 44.52

Set a limestone, lexi2x10 ins., 12 ins. in the ground, for the cor. of Tps. 12 and 13 S., Rs. 8 and 9 E., mkd. 12S on NE., 9E on SE., 13S on SW., &E on NW. face, with 6 notches on the N., S., E. and W. edges, and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, S. of cor. 78.63

Pits impracticable. Land south slope of mountain ridge. No timber. Soil 4th rate.

Jan. 31st:- At this cor., I set off $17^{\circ}30\frac{1}{2}$ 'S. on the decl. arc, and at $12h13\frac{1}{2}m$, \sqrt{p} . m.l. m. \pm ., I obs. the sun on the mer., the resulting lat. is 32°20', N.

hainer	west boundary of I. 12 b., R. 9 L.
	From the cor. of Tps. 12 and 13 S., Rs. 8 and 9 R., previously described, I run North bet. secs. 31 and 36. Ascending. Va.13912 E.
40.00	for the t sec. cer., mkd. t en W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cer. Pits impracticable. Descend.
41.05 58.70	
74.50 77.10	Ridge bears E. and W. Thence along W. slope of mountain,
80.00	· · · · · · · · · · · · · · · · · · ·
	Jan. 31st:- At 3h, p. m., l. m. t., I set off 17°28'S. on the deel. arc, 57°39' on the co-lat. arc, and determine a mer. with the solar at this cor.
4 .	Land mountainous. Soil 4th rate. No timber.
	North bet. secs. 25 and 30 descending along W. slope of mountain.
18.00 25.00 39.00 40.00	Ascend. Ridge bears NW. and SE. Descend NE. slope. Cliff 75 feet high, bears E. and W. Descend. Set a limestone, 18x9x6 ins., 12 ins. in the ground, for the \$\frac{1}{2}\text{ sec. cor., mkd. \$\frac{1}{2}\text{ on W. face, and raise a mound} of stone, 2 ft. base, 1\frac{1}{2}\text{ ft. high, W. of cor.} Pits impracticable.
41.80 46.00	· · · · · · · · · · · · · · · · · · ·
49.00 72.00	Ridge bears E. and W.
80.00	Set a limestone, 16x10x6 ins., 10 ins. in the ground for the cor. of secs. 24, 25, 19 and 30, mkd. with 2ngtches on the S. and 4 notches on the N. sage, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor. Pits impracticable.
	Land mountainous. Soil 4th rate. No timber. Jan. 31st, 1911.
	North bet. secs. 19 and 24. Descending gradually in undergrowth of mesquite, pale verde and cactus.

Set a quartzite stone, 13x8x6 ins., 8 ins. in the ground, for the \$\frac{1}{2}\$ sec. cor., mkd. \$\frac{1}{2}\$ on W face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2}\$ ft. high, W of cor.

Pits impracticable. 40.00

53.70 Arroyo, 25 lks. wide, course East.

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Chains.
66.74
          Read bears E. and W'
           Set a limestone, 18x7x5 ins., 12 ins. in the ground for the cor. of secs. 13, 18, 19 and 24, mkd. with 3 gotches on the S. and N. edges, and raise a mound of stone,
80.00
           2 ft. base, 11 ft. high, W. of cor.
                   Land rolling. Soil 3rd rate. Mesquite, palo verde
           and cactus undergrowth.
                   North bet. secs. 13 and 18.
 1.87
           Arroyo, 25 lks. wide, course SE.
40.00 Set a basalt stone, 14x9x5 ins., 10 ins. in the ground, for the 1 sec. cor., mkd. 1 on W. face, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
          Road bears E. and W.
63.35
           Prespect hole, 4x4x12feet deep bears W. 30 lks. dist.
66.30
           Ascend..
67.00
           Tep of ridge bears E. and W.
                                                           Descend.
           Peast of descent bears E. and W., Ascend.
73.00
           Ridge bears E. and W. Descend.
Set a porphry stone, 16x9x5 ins., 10 ins. in the ground,
79.40
80.00
           for the cor. of secs. 7, 12, 13 and 18, mkd. with 4 potches on the S. and 2 potches on the N. edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

Pits impracticable.
                  Land relling. Soil 3rd rate. Mesquite, pale verde
           and cactus.
                  Feb. 1st:- At this cor., .I set off 17°14'S. on
           the decl. arc, and at 12h13 m, p. m., 1. m. t., I obs. the sun
           on the mer., the resulting lat. is 32°23 LN.
                  North bet. secs. 7 and 12.
1.91
33.00
           Ravine, 25 lks. wide, course E. Ridge bears E. and W. Descend.
                                                               Ascend.
          Set a perphry stone, 18x9x4 ins., 12 ins. in the ground, for the $\frac{1}{2}$ sec. cor., mkd. $\frac{1}{2}$ on W. face, and raise a mound of stone, 2 ft. base, 1\frac{1}{2}$ ft. high, W. of cor.
40.00
                  Pits impracticable.
56.00 Arroys, 25 lks. wide, course E
          Ridge bears E. and W.
                                               Descend.
76.80
           Set a porphry stone, 18x8x5 ins., 12 ins. in the ground, for the cer. of secs. 1, 6, 7 and 12, mkd. with 1 notch on the N° and 5 notchess on the S° sage, and raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor.
80.00
                  Pits impracticable
           Land rolling.
                                  Soil 3rd rate. Mesquite, palo verde and
           ¢actus undergrowth.
           Feb. lst:- At 3h, p. m., l. m. t., I set off 17°11'S. en the decl. arc, 57°36' on the co-lat. arc, and determine
           mer. with the solar at this cor.
                  North bet. secs. 1 and 6 over rolling ground.
          Arroye, 25 lks. wide, course E° set a perphry stone, 15x8x6 ins., 10 ins. in the ground for the 4 sec. cor., mkd. † on W. face, and raise a mound
12.00
40.00
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Chains. of stone, 2 ft. base, 12 ft. high, W. of cor.

80.00 Set a porphry stone, 16x12x12 ins., 10 ins. in the ground for the cer. of Tps. 11 and 12 S., Rs. 8 and 9 E., mkd.
11S on NE., 9E on SE., 12S on SW., and 8E on NW. face, with 6 notches on the N., 252, E. and W. edges, and raise a mound of sone, 3 ft. base, 2 ft. high, S. of cor.

Soil 3rd rate. Mesquite, and pale Land rolling. verde undergrowth.

Feb. 1st, 1911.

	North Boundary Of T. 12 S., R. 9 E. BOOK 2284
Chains.	
	From the cor. of Tps. 11 and 12 S., Rs. 9 and 10 E., previously described, I run West on a random line setting temp. 1 sec. and section cors., at intervals of 40 chs. and at 478.79 chs., intersect the W. bdy. of the township at a point 72 lks. S. of the cor. of Tps. 11 and 12 S., Rs. 8 and 9 E., previously described. The falling answers to a correction of 0°05', or 12 lks. N. per mile. I therefore return to the cor. of Tps. 11 and 12 S., Rs. 9 and 10 E. and run N.89°55'W. on a true line bet. secs. 1 and 36. Va. 13°14'E. Ascending gradually in mesquite underbrush.
6.00 8.91 14.00 40.00	Read bears NW. and SE. Arroye, 115 lks. wide, course SE. Same arroye, 130 lks. wide, course SE. Set a basalt stone, 15x6x6 ins., 10 ins. in the ground, for the 4 sec. cor., mkd. 4 on N. face, and dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. dist. and raise a mound of earth, 3½ ft. base, 1½ ft. high, N. of cor.
80.00	Set a porphry stene, 22x12x7 ins., 16 ins. in the ground, for the cor. of secs. 1, 2, 35 and 36, mkd. with 1 notch on the E. and 5 notches on the W. edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.
	Land rolling. Soil 3rd rate. Mesquite undergrowth.
,	
	N.89°55'W. on a true line bet. secs. 2 and 35. ascending through mesquite undergrowth,
19.51 31.85	Same arroye, 81 lks. wide, course SE. Same arroye, 100 lks. wide, course EE.
40.00	Set a basalt stone, 18x9x5 ins., 12 ins. in the ground for the 1 sec. cor., mkd. 1 on N° face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor.
43.00 56.00 71.00 77.00	Same arroye, 100 lks. wide, course SE. Same arroye, 100 lks. wide, course NE. Same arroye course SE. Leave arroye, course Here NE.
80.00	
	base, 1½ ft. high, W. of cor. Land relling. Soil 2nd rate. Mesquite undergrowth.
	*
•	N.89°55'W. on a true line bet. secs. 3 and 34.
1.40 15.86	Arreye, 50 lks. wide, course SE. Read bears N. and S.
40.00	Set a perphry stone, 15x7x6 ins., 10 ins. in the ground, for the 1 sec. cor., mkd. 1 on N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cor.
54.50 73.50	Arroyo, 100 lks. wide, course NE. Arroyo, 100 lks. wide, course SE.

Set a perphry stene, 15x9x5 ins., 10 ins. in the ground, for the cor. of secs. 3, 4, 33 and 34, mkd. with 3 notches on the E. and Wedges; and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W of cor. 80.00

Land rolling. Soil 2nd rate. Mesquite undergrowth.

Chains.

N.89°55'W. on a true line bet. secs. 4 and 33.

5.40 Leave arroye, course NE.
32.80 Enter arroye, course NE.
37.50 Leave arroye, course SE.

40.00 Set a basalt stone, 15x7x6 ins., 10 ins. in the ground for the \$\frac{1}{4}\$ sec. cor., mkd. \$\frac{1}{4}\$ on N face, and raise a mound of stone, 2 ft. base, 1\$\frac{1}{2}\$ ft. high, N. of cor.

Feb. 2nd:- At this cer., I set eff 16°56½°S. en the decl. arc, and at 12h14m, p. m., 1. m. t., I obs. the sum on the mer., the resulting lat. is 32°25°N.

61.00 Arroyo, 75 lks. wide, course NE.

80.00 Set a perphry stone, 15x10x7 ins., 10 ins. in the ground, for the cor. of secs. 4, 5, 32 and 33, mkd. with 2 notches, on the W. and 4 motohes on the E: edges, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

Land relling. Soil 2nd rate. Mesquite undergrowth.

N.89°55'W. on a true line bet. secs. 5 and 32.

40.00 Set a perphry stone, 16x9x5 ins., 10 ins. in the ground, for the ‡ sec. cer., mkd. ‡ on N. face, and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Feb. 2nd:- At 2h, p. m., l. m. t., I set off 16°55'S. on the decl. arc, 57°35' on the co-lat. arc, and determine a mer. with the solar at this cor.

80.00 Set a perphry stone, 15x8x7 ins., 10 ins. in the ground, for the Ger. of secs. 5, 6, 31 and 32, mkd. with 1 notches on the W and 5 notches on the E edge, and raise a mound of stone, 2 ft. base, 12 ft. high, W. of cor.

Land relling. Seil 3rd tate. Mesquite undergrowth along line.

N.89°55 W. on a true line bet. secs. 6 and 31.

40.00 Set a perphry stone, 18x7x6 ins., 12 ins.in the ground for the 7 sec. cer., mkd. 7 en N. face, and raise a mound of stone, 2 ft. base, 12 ft. high, N. of cer.

78.79 The cer. of Tps. 11 and 12 S., Rs. 8 and 9 E., previously described.

Land rolling . Seil 3rd rate. Mesquite undergrowth.

Feb. 2nd, 1911.

T. 12 S. R. 9 F.

Bdy.

Course.	Dists.	Morths.	Souths.	Easts,	Wests.
West, North	478.63 480.00	480 .0 0			478.63
5.89°55'E. South	478.79 480.00	ÆUO• CCC	.72 4 80.00	478.79	
Convergency		480.00	486.72	.46 479,25	478.63

Excess Southings, 72 lks. Excess Eastings, 62 lks.

GENERAL DESCRIPTION.

Soil on gentle slope is 2nd rate clayey loam with gravel. Undergrowth is chaparel in eastern part with mesquite in western part, cacti, palo verde and iron wood.

Mountains in southern part are mineralized.

Skuph Dullu

LIST OF NAMES.

A list of the names of the individuals employed by	POOK	228
United States Deputy Surveyor, to assist in runni	ng, measuring	, and
marking the lines and corners described in the foregoing field notes of the survey of		
showing the respective capacities in which they acted:		
		nan.
	$\dots, Moundn$	nan.
	, Moundn	nan.
	, Axman.	
	, Axman.	
	, Flagma	n.
FINAL OATH OF ASSISTANTS.		
We hereby certify that we assisted		
, United States Deputy Surveyo		
those parts or portions of the		
of	the	
meridian, of, wh	ich are represe	\mathbf{nted}
In the foregoing field notes as having been surveyed by him and under his direction; and has been in all respects, to the best of our knowledge and belief, well and faithfully corner monuments established, according to the instructions furnished by the Unite General for	surveyed, and	$_{ m the}$
	, Chainme	an.
	, Chainme	an.
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subscribed and sworn to before me this)		
day of		
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_BOOK 2284	
I,	United States Deputy Surveyor, d
	ract received from
	, bearing date of th
	, 19 , I have well, faithfully, and truly, in my own the instructions furnished by the United States Surveyo
-	, the Manual of Surveying Instructions, and the laws of th
	ortions of
	of the
	of, which are represented in the
egoing field notes as having been surveye	ed by me, and under my direction; and I do further solemn
	ve been established and perpetuated in strict accordance wi
	the special written instructions of the United States Survey
	nd in the specific manner described in the field notes, and th
foregoing are the original field notes of	such survey.
	United States Deputy Surveyo
oscribed by said	and sworn to before me)
thisday of	· · · · · · · · · · · · · · · · · · ·
this day or)
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4	APPROVAL.
OFFICE OF THE UN	
OFFICE OF THE UN	ITED STATES SURVEYOR GENERAL, Voewing Clary May 13, 19/2
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The foregoing field notes of the survey accuted by the survey der his contract No. 63, dated attically examined, and the necessary correveys they describe, are hereby approved.	There is and ordered and the said field notes, and in the states Surveyor General and
The foregoing field notes of the survey of t	There is and explanations made, the said field notes, and the said fie