1890

FIELD NOTES

BOOK 1890

OF THE SURVEY OF THE

or the

Segregation Survey in Township 1 North Range 15 East.

1890

1890

Of the Gila and Salt River *Meridian,*

Territory of Arizona.

AS SURVEYED BY

John F. Hesse, *United States Deputy Surveyor,*

Under his ~~Contract No.~~ Special Instructions, *dated* January 24, 1906, *189*

Survey commenced April 15, 1906., *189*

Survey completed April 26, 1906., *189*

6—151

2

BOOK 1890

NAMES AND DUTIES OF ASSISTANTS.

W. W. Oliver	Chainman.
W. M. Davis	Chainman.
R. Burns	Flagman.

6—151

BOOK 1890

INDEX DIAGRAM.

Township 1 N., *Range* 15 E.

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

Meanders Page

4

BOOK 1890

PRELIMINARY OATHS OF ASSISTANTS.

WE, Will W. Oliver and W. M. Davis

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

the Segregation Survey in Tp. 1 N. Rg. 15 E.

Will W. Oliver, *Chainman.*

W. M. Davis, *Chainman.*

Subscribed and sworn to before me this 15th day of April 1906, ~~180~~

SEAL

John D. Hesse
U. S. Deputy Surveyor

WE, ... 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

....., *Moundman.*

....., *Moundman.*

~~Subscribed and sworn to before me this~~ ..... day of ....., 189

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 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 ....., 189

SEAL

I, R. Burns, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the Segregation Survey in Tp. 1 N. Rg. 15 E.

R. Burns, *Flagman.*

Subscribed and sworn to before me this 15th day of April 1906, 189

SEAL

John D. Hesse
U. S. Deputy Surveyor

6—151

No Notary available without loss of time and expense

Chains.

Survey commenced April 15, 1906, and executed with a Young and Sons light mountain transit, No. 7532. The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the surveyor general for Arizona

I examine the adjustments of the transit and find them correct; then, to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, I proceed as follows;

At my camp which is about 5 chs. W. of the ¼ sec, cor. bet. secs. 11 and 12 I set off 9° 39'N. on the dec'l. arc; and observe the sun on the meridian at noon; the resulting lat. is 33° 27'N.

At 4h. 00m. p.m. l.m.t. I set off 33° 27' N. on the lat. arc; 9° 43 1/2' N. on the dec'l. arc; and determine a meridian with the solar and mark a point therof, on a stone set firmly in the ground 5 chs. N. of my station ~~which I also mark with a cross on a stone firmly set in the ground.~~

At 5h. 48m. p. m. by my watch, which has correct l.m.t I observe Polaris at western elongation in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

April 15, 1906.

April 16, 1906: At 7h. 00m. a.m. l.m.t., I lay off the azimuth of Polaris, 1° 26' to the east, and mark the meridian thus determined, by cutting a small groove in the stone already set April 15, on which the meridian coincides with the mark determined by the solar.

At 8h. 00m. a.m. l.m.t. I set off 33° 27'N. on the lat arc; 9° 57 1/2' N. on the dec'l. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observatio n.

The solar apparatus, by p.m. and a.m. observations defines positions for meridians which coincide with the meridian established by the Polaris observations; therefor I conclude that the adjustments of the instrument are satisfactory.

I determine the course of the line bet. the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of the Tp. and the ¼ sec. cor. bet. secs. 1 and 6 on the E. bdy. of the Tp. to be North.

I commence at the cor. of secs 1,6,7 and 12
Thence I run
North bet. secs. 1 and 6.

23.82 Intersect S. side line of the Rescue M. C. S. 74° 20' W. 163ft. from cor. No. 1 and set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for closing cor. of secs. 1 and 6, marked C C on S., M S 313 on N. with 6 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable

29.72 Intersect E. end line of the Rescue M. C. N. 24° 25'W. 382 ft. from cor. No. 1, and set a granite stone 20 x 6 x 6 ins. 15 ins. in the ground for closing cor. of secs. 1 and 6, marked CC on N., MS313 on S. with 6 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2ft. high N. of cor. Pits impracticable.

I determine the course of the line bet. the ¼ sec. cor. bet. secs. 10 and 11 and the cor. of secs. 2, 3, 10 and 11

Chains.

11 to be N. 0° 02' E.
I commence at the ¼ sec. cor. bet. secs. 10 and 11 from which U. S. M. M. No. 10 bears N. 82° 35' E. 107.9 ft. dist.
Thence I run
N. 0° 02' E. bet. secs. 10 and 11

3.39 Intersect S. side line of the Old Dominion M. C. N. 41° 03'E. 311 ft. from the S. W. cor. and set a granite stone 18 x 12 x 6 ins. 12 ins. in the ground for closing cor. of secs. 10 and 11, marked CC on S., MS298 on N., with 2 grooves on E. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable.

17.23 Intersect N. side line of the Old Dominion M. C. S. 41° 03' W. 500 ft. from the N. E. cor. and set a granite 24 x 10 x 5 ins. 18 ins. in the ground for closing cor. of secs. 10 and 11, marked with CC on N., MS298 on S., with 2 grooves on E. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

KEYSTONE SUR. N°399

From the ¼ sec. cor. bet. secs. 10 and 11 cor. No. 4 of the Keystone M. C. bears S. 87° W. 205 ft. dist. thence I run N. 48° 57' W. 600 ft. to cor. No. 1, thence S. 36° 04' W. 1500 ft. to cor. No. 2, thence S. 48° 57' E. 600 ft. to cor. No. 3, thence N. 36° 04' E. 1500 ft. to cor. No. 4.

April 16, 1906

April 17: At 7h. 00m. a.m. l.m.t. I set off 33° 25 1/2' N. on the lat. arc; 10° 18 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. of secs. 13, 14, 23 and 24. I determine the course of the line bet. the ¼ sec. cor. bet. secs. 13 and 14 and the c cor. of secs. 13, 14, 23 and 24 to be North.
I commence at the cor. of secs. 13, 14, 23 and 24
Thence I run
North bet. secs. 13 and 14

8.60 Intersect S. side line of the Aztec M.C. N. 41° 30' E. 229 ft. from cor. No. 3, and mark a cross on a granite rock in place 10ft. by 5 ft. by 3 ins. above ground for closing cor. of secs. 13 and 14, with CC on S., MS820 on N. and 1 groove E. of cross; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable.

21.52 Intersect N. side line of the Aztec M. C. S. 40° 22' W. 511.8 ft. from cor. No. 5. and set a limestone 18 x 10 x 6 ins. 12 ins. in the ground for closing cor. of secs. 13 and 14 marked CC on N. and MS820 on S. faces; with 1 groove on E. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
I commence at cor. No. 2 of the Aztec M. C. thence I run N. 56° 47' W. 581.4 ft. to cor. No. 5, thence S. 40° 22' W. 1554 ft. to cor. No. 4, thence S. 66° 04' E. 571. 7 ft. to cor. No. 3, thence N. 41° 30' E. 1463.3 ft. to cor. No. 2.

PINAL SUR. N°819.

I commence at cor. No. 2. of the Aztec M. C.
Thence I run
N. 37° 15' E. 1229 ft. to cor. No. 3 of the Pinal M. C.
Thence N. 55° 22' W. 587.9 ft. to cor. No. 4, thence I return to cor. No. 3. and run N. 43° 25' E. 1496.4ft. to cor. No. 2, thence N. 58° 08' W. 599.1 ft. to cor. No. 5. Thence S. 42° 56' W., 1507 ft. to cor. No. 4

I determine the course of the line bet. the cor. of secs 7, 12, 13 and 18 and the ¼ sec. cor. bet. secs. 13 and 18 on the east bdy. of the Tp. to be South.
From the cor. of secs. 7, 12, 13 and 18 I run South bet. secs. 13 and 18.

1.95 Intersect N. side line of the Big Johnny M. C. N. 50° 18' E. 537.8 ft. from cor 5, and set a quartzite stone 20 x 10 x 6 ins. 15 ins. in the ground for closing cor.

Chains.

of secs. 13 and 18, marked CC on N. and MS434 on S. faces; with 6 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

12.14 Intersect west end line of the Big Johnny M. C. N. 51° 36'W. 66 ft. from cor. No. 3, and set a porphyry stone 18 x 8 x 4 ins. 12 ins. in the ground for closing cor. of secs. 13 and 18, marked CC on S. and MS434 on N. faces; with 6 gr ooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticab le.

From cor. No.3 of the Big Johnny M.C. I run N. 51° 36'W. 595 ft. to cor. No. 5, thence N. 50° 18' E. 1467 ft. to cor. No. 6, thence S. 52° 10' E. 560.6 ft. to cor. No. 2, thence S. 48° 56' W. 1465.6 ft. to cor. No. 3.

April 17, 1906.

April 18: At 7h. 00m. a.m. l.m.t. I set off 33° 25 1/2' N. on the latitude arc; 10° 39 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. of secs. 13, 18, 19 and 24 on the east bdy. of the Tp. Thence I run
N. 89° 03' W. bet. secs. 13 and 24.

5.10 Intersect east side line of the Amador M. C. S. 52° 41' W. 349 ft. from cor. No. 1 ~~and set a~~

15.77 Intersect west side line of the Amador M. C. S. 42° 25' W. 891 ft. from cor. No. 4, and set a quartzite stone 18 x 10 x 6 ins. 12 ins. in the ground for closing cor. of secs. 13 and 24, marked CC on W. and MS846 on E. faces; with 3 grooves on S. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

26.22 Intersect east side line of the Lizzie M.C . N. 38° 04' E. 612.5 ft. from cor. No. 1 and set a quartzite stone 18 x 8 x 4 ins. 12 ins. in the ground for closing cor. of secs. 13 and 24, marked CC on E. and MS1109 on W. faces; wit h three grooves on S. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high E. of cor. Pits impracticab le.

37.62 Intersect west side line of the Lizzie M. C. N. 38° 04' E. 168 ft. from cor. No. 4, and set a granite stone 18 x 10 x 4 ins. 12 ins. in the ground for closing cor. of secs. 13 and 24, marked CC on W. and MS1109 on E. faces; witht 3 grooves on S. face; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticab le.

41.27 The 1/4 sec. cor. bet. secs 13 and 24.
Thence from the 1/4 sec. cor. I run
West

39.30 The cor. of secss 13, 14, 23 and 24.
April 18: At this cor. I set off 10° 43' N. on the dec'l. arc; and observe the sun on the meridian at noon, the resulting lat. is 33° 25 1/2' N.

From the cor. of secs. 13, 14, 23 and 24 I now run
South

39.85 The 1/4 sec. cor. bet. secs. 23 and 24.
From this 1/4 sec. cor. the cor. of secs. 23, 24, 25 and 26 bears S. 0° 14' W.
From this 1/4 sec. cor. I now run
S. 0° 14' W.

9.92 chs. Intersect Nort h side line of the Globe Ledge M. C. N. 54° 15' E. 75 ft. from the N. W. cor. and set a Tufa stone 18 x 10 x 6 ins. 12 ins. in the ground for closing cor. of secs. 23 and 24 marked CC on N. and M.SL40 on S. fa ces; with 1 groove on E. edge; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

12.60 Intersect west end line of the Globe Ledge M. C. S.

Chains.	
	24° 15' E. 146. 4 ft. from the N. W. cor. The point for this cor. falls in the concentrating building of the Old Dominion Mining Co, where it is impossible to set the cor. Running S. on this line it passes over dumps and along road and there is no place in which a closing cor. can be established in a permanent manner as this line passes through the main works of the Old Dominion Mining Company. Therefore I mark my point of intersecti on by a tack in the floor and set no cor. April 18, 1906.
	April 19:- At 7h. 00m. a.m. l.m.t. I set off 33° 25 1/2' N. on the lat. arc; 11° 00 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. of secs. 13, 18, 19 and 24. I determine the course of the line bet. this cor. and the ¼ sec. cor. bet. secs. 19 and 24 to be S.0° 04'E. From the cor. of secs. 13, 18, 19 and 24 I now run S.0° 04' E.
6.91	Intersect south side line of the Cuprite M. C. S. 52° 41'W. 837 ft. fr om the S. E. cor. and set a quartzite stone 20 x 10 x 4 ins. 15 ins. in the ground for closin cor. of secs. 19 and 24, marked CC on S. and MS308 on N. faces; with 6 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable. From the cor. of secs. 13, 18, 19 and 24 I determine the course to the ¼ sec. bet. secs. 13 and 18 to be N 0° 15' W. From the cor. of secs. 13, 18, 19 and 24 I now run N. 0° 15' W. bet. secs. 13 and 18
3.96	Intersect north side line of the Cuprite S. 52° 41'W. 585.9 ft. from the N. E. cor. and set a porphyry stone 18 x8 x6 ins. 12 ins. in the ground for closing cor. of secs. 13 and 18 marked CC on N. and MS308 on S. faces; with 6 grooves on E. and W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
7.52	Intersect South side line of the Copper Hill M. C. N. 77° 54' E. 251.3ft. from cor. No. 3. point for cor. comes on edge of open cut wher it would not be safe so at
7.45	Set a quartzite 18 x 10 x 6 ins. 12 ins. in the ground for closing cor. of secs. 13 and 18 marked CC on S. and MS535 on N. faces; with 6 grooves on E. and W. faces; an raise a mound of stone 2 ft. base 1 1/2 ft. high S. of cor. Pits impracticable.
16.62	Intersect south side line of the Defiance M. C. and N. s side line of the Copper Hill M. C. N. 77° 54'E. 239 ft. from cor. No. 3 of the Defiance and 382.5 ft. from cor. No. 5 of the Copper Hill M. C.
17.95	Intersect south side line of the Cochise M. C. N. 57° 55' E. 105 ft. from cor. No. 3.
21.82	Intersect north side line of the Defiance M. C. N. 77° 42' E. 309.4 ft. from cor. No. 5. (SUR. Nº 551)
28.46	Intersect North side line of the Cochise M. C. N. 57° 55' E. 514.1 ft. from cor. No. 5, and set a quartzite stone 18 x 8 x 6 ins. 12 ins. in the ground for closing cor. of secs. 13 and 18 marked CC on N. and MS631 on S. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Stone is also marked with 6 grooves on E. and W. faces. April 19, 1906.
	NEVADA COPPER. LOT Nº 79. April 20: At 7h. 00m. a.m., l.m.t. I set off 33° 25 1/2' N. on the lat. arc; 11° 21 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. No. 4 of the Nevada Copper M. C. identical with cor. No. 3 of the Amador M. C. Thence I run on bdys. of the Nevada Copper M. C. S. 50° 15' W. 937.7 ft. to cor. No. 3., thence S. 89°

Segregation Survey in Tp. 1 N. Rg. 15 E.

Chains. 45' E. 350. ft.; thence N. 54° 15'E. 940 ft. to cor. No. 1, identical with cor. No. 2. of the Amador M. C.; thence N. 39° 45'W. 377.2ft. to cor. No. 4.
April 20: At this cor. I set off 11° 24 1/2 ' N. on the dec'l. arc; and observe the sun on the meridian at noon the resulting lat. is 38° 25 1/2' N.

GREY SUR. Nº 307.
From cor. No. 1 of the Grey M. C., identical with cor. No 2 of the Nevada Copper M. C. I run on the bdys. of the Grey M. C. N. 54° 15' E. 1264 ft. to cor. No. 2; thence S. 19° 34' E. 600 ft. to cor. No. 3; thence S. 54° 15'W. 1264 ft. to cor. No. 4; thence N. 19° 34' W. 600 ft. to c cor. No. 1.

April 20, 1906.

TRANSIT SUR. Nº 1110
April 21: At 7h. 00m. a.m., l.m.t. I set off 38° 25 1/2' N on the lat. arc; 11° 42' N. on the dec'l. arc; and determine a meridian at the N. E. cor. of the Transit M. C., from this cor. cor. No. 3 of the Nevada Copper M. C. bears S. 6° 00' E. 142 ft. dist.
From the N. E. cor. of the Transit M. C. I now run on the bdys. of the Transit M. C.
S. 24° 44' E. 446 ft. to the S. E. cor.; thence S. 37° 20' W. 1374.7 ft. to the S. W. cor.; thence N. 24° 10 ' W 450.9 ft. to the N. W. cor.; thence N. 37° 25' E. 1368.6 ft. to the N. E. cor.
April 21: At this cor. I set off 11° 45' N. on the dec'l. arc; and observe the sun on the meridian at noon, the resulting lat. is 38° 25 1/2' N.

HOOSIER SUR. Nº 306.
From cor. No. 1 of the Hoosier M. C. identical with cor. No. 2 of the Nevada Copper M. C. I now run on the bdys. of the Hoosier M. C.
S. 37° 20 ' W. 1490.6 ft. to the N. W. cor. of claim; thence S. 19° 38' E. 491.7 ft. to cor. No. 4; thence N. 40° 41' E. 1441.5 ft. to cor. No. 5; thence N. 19° 34' W. 600 ft. to cor. No. 1.

April 21, 1906.

GLADIATOR SUR. Nº 1108.
April 22: At 7h. 00m. a.m., l.m.t., I set off 38° 25' N. on the lat. arc; 12° 02 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. No. 3 cs. of the Gladiator M. C. , thence I run on the bdys. of the Gladiator M. C.
N. 69° 42' E. 1222.9 ft. to cor. No. 4; thence S. 36° 57' W. 40.ft. intersect east side line of the Hoosier M. C. N. 40° 41' E. 438 ft. from the cor. No. 4 of the Hoosier M. C. 546 ft. to cor. No. 1 ; thence S. 67° 36' W. 1207.7 ft. to cor. No. 2; thence N. 37° 12' W. 593.1 ft. to cor. No. 3.
April 22: at this cor. I set off 12° 05 1/2' N. on the ded'l. arc; and observe the sun on the meridian at noon; the resulting lat. is 38° 25' N.

CENTRAYLIA SUR. Nº 1108
From the NNoW. cor. of the Centraylia M. C., identical with cor. No. 4 of the Gladiator M. C., I now run on the bdys. of the Centraylia M. C.
N. 46° 17' E. 1491.4 ft. to the N. E. cor.; thence S. 38° 05'E. 247.9 ft. to the N. end center cor.; thence S. 36° 20' E. 246 ft. to the S. E. cor.; thence S. 44° 14' W. 1487.7 ft. to the S. W. cor.; thence N. 36° 57' W. 546 ft. to the N. W. cor.

April 22, 1906.

GLOBE LOT Nº 39.
April 23: At 7h. 00m. a.m., l.m.t., I set off 38° 25' N. on the lat. arc; 12° 22 1/2' N. on the dec'l. arc; and determine a meridian with the solar at cor. No. 3 of the

Segregation Survey in Tp. 1 N. Rg. 15 E.

Chains.

Globe M. C., identical with the N. W. cor. of the Transit M. C., thence I run on bdys. of the Globe M. C. S, 63° 41' W. 1500 ft. to cor. No. 4; thence S. 24° 15' E. 600 ft. to cor. No. 1; thence N. 63° 04' E. 1500 ft. to cor. No. 2; thence N. 24° 10' W. 584 ft. to cor. No. 3.
April 23: At this cor. I set off 12° 25 1/2' N. on the dec'l. arc; and observe the sun on the meridian at noon the resulting lat. is 33° 25' N.

GLOBE LEDGE LOT No 40.

From the N. E. cor. of the Globe Ledge M. C., identical with cor. No. 4 of the Globe M. C., I now run on the bdys of the Globe Ledge M. C.
S. 54° 15' W. 1500 ft. to the N. W. cor., thence S. 24° 15' E. 600 ft. to the S. W. cor., thence N. 54° 15' E. 1500 ft. to the S. E. cor., thence N. 24° 15' W. 600 ft. to the N. E. cor..

April 23, 1906

BUFFALO LOT No 41.

April 24: At 7h. 00m. a.m., l.m.t. I set off 33° 25' N. on the lat. arc; 12° 42 1/2' N. on the dec'l. arc; and determine a meridian with the solar at cor. No. 2 of the Buffalo M. C., from this cor. cor. No. 4 of the Globe M. C. bears S. 63° 41' W. 145 ft. dist.
From cor. No. 2 of the Buffalo M. C. I now run on the bdy bdys. of the Buffalo M. C.
N. 51° E. 1460 ft. to cor. No. 1; thence N. 56° 52' W. 600 ft. to cor. No 4; thence S. 51° W. 832. 2 ft. to S. W. cor. of the Josh Billings M. C., 1460 ft. to cor. No. 3; thence S. 57° E. 600 ft. to cor. No 2.
At this cor. I set off 12° 45 1/2' N. on the dec'l. arc; and observe the sun on the meridian at noon the resulting lat. is 33° 25' N.

JOSH BILLINGS SUR. No 1122

From the S. W. cor. of the Josh Billings M. C. I now run on the bdys. of the Josh Billings M. C.
N. 60° 14' W. 18.6 ft. to the N. W. cor.; thence N. 29° 46' E. 1453.6 ft. to the N. E. cor.; thence S. 60° 14' E. 358. to the S. E. cor.; thence S. 31° 58' W. 681 ft. to the South side center cor.

April 24, 1906.

MARK TWAIN SUR. No 571

April 25: At 8h. 00m. a.m., l.m.t., I set off 33° 25 1/2' N. on the lat. arc; 13° 02 1/2' N. on the dec'l. arc; and determine a meridian with the solar at the cor. No. 5 of the Mark Twain M. C. Thence I run on the bdys. of the Mark Twain M. C.
S. 56° 52' W. 443 ft. to cor. No. 3.; thence S. 24° 58' W. 1276 ft. to cor No. 2; thence N. 56° 52' W. 600 ft. to cor No. 6; thence N. 31° 58' E. 1263.4 ft. to cor. No. 5.

April 25, 1906

April 26: At 7h. 00m. a.m., l.m.t., I set off 33° 24' N. on the lat. arc; 13° 21 1/2' N. on the dec'l. arc and det determine a meridian with the solar at the ¼ sec. cor. bet. secs. 25 and 26.
Thence I run North 26.30 chains; thence West 7.70 chains to the N. E. cor. of the Cadmus Mill Site, identical with the S. E. cor. of the Green Mountain M. S.; LOT No 38, thence I run on bdys. of the Green Mountain and Cadmus Mill Sites.
N. 39° 30' W. 660 ft.; thence S. 75° W. 66 ft.; thence S. 50° W. 99 ft.; thence S. 6° 30' E. 495 ft. thence S. 6° 30' E. 366 .3 ft.; thence S. 87° 30' E. 198 ft. thence N 75° E. 264 ft. thence North 366 ft. to place of beginning.

Segregation Survey in Tp. 1 N. Rg. 15 E.

Chains.

April 26 1906.

John F. Hesse

U. S. Deputy Surveyor.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES. BOOK 1890

A list of the names of the individuals employed by John F. Hesse, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the Segregation Survey in Tp. 1 N. Rg. 15 E. showing the respective capacities in which they acted:

W. W. Oliver, *Chainman.*

W. M. Davis, *Chainman.*

R. Burns. *Flag man.* ~~*Moundman.*~~

~~*Moundman.*~~

~~*Axman.*~~

~~*Axman.*~~

~~*Flagman.*~~

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John F. Hesse, United States Deputy Surveyor, in surveying all those parts or portions of the Segregation Survey in Tp. 1 N. Rg. 15 E.

of the Gila and 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

Will W. Oliver, *Chainman.*

W. M. Davis, *Chainman.*

~~*Moundman.*~~

~~*Moundman.*~~

~~*Axman.*~~

~~*Axman.*~~

R Burns, *Flagman.*

Subscribed and sworn to before me this 26th day of April 1906, 189

SEAL

John H. Hesse
U. S. Deputy Surveyor

6—151

No notary available without loss of time and expense

13

BOOK 1890

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John F. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 24th day of January 1906, 189 , 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 Segregation survey in Tp. 1 N. Rg. 15 E.

of the Gila and Salt River meridian, in the Territory 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John F. Hesse
United States Deputy Surveyor.

Subscribed by said John F. Hesse, and sworn to before me this 11th day of May 1906, ~~189~~

Frank A. Ingalls
U.S. Surveyor General
for Arizona

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona May 29, ~~189~~ 1906

The foregoing field notes ~~of the survey~~ of the Segregation Survey of in T 1 N, R 15 E, of the Gila and Salt River Base and Meridian in the territory of Arizona,

executed by John F. Hesse U.S. deputy surveyor under his ~~contract No.~~ SPECIAL INSTRUCTIONS, dated January 24, 1906, ~~1890~~, 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.*~~

6—151