

① 46

BOOK 2105

*Transmitted by Dept. letter  
E. dated July 28,  
1909*

2105

# FIELD NOTES

OF THE SURVEY OF THE

2105

Townsite of Oracle, Arizona,

2105

and retracements of the boundaries of Sec. 36,

and subdivisional lines within said section,

in T. 9 S., R. 15 E.,

2105

Of the G. & S. R. Meridian,

Arizona.

AS SURVEYED BY

**William Strover**

, United States Deputy Surveyor,

Special Instructions

Under his ~~Contract No.~~ March 10, 1909.

Survey commenced May 20, 1909.

Survey completed May 25, 1909.

2105

2105

2105

45  
(A)

BOOK 2105

NAMES AND DUTIES OF ASSISTANTS.

C. B. Hempel,

Chairman.

Chas. F. strover,

Chairman.

G. W. Carpenter,

Flagman.

~~TOVNSITE OF ORACLE, ARIZONA~~

~~CHAS. T. STROVER~~

FIELD NOTES

OF THE

SURVEY

~~EXAMINATION OF SURVEYS~~

~~and retracements of the boundaries of Sec. 36,  
and subdivisional lines within said section.~~

In ~~T. 2 S., R. 15 E., G. & S. R. MEX., ARIZONA~~

~~EXECUTED BY~~

~~CHAS. T. STROVER~~

~~WILLIAM STROVER~~

~~Spec. Inst. from the Comm. G. L. O.~~

Under Contract No. \_\_\_\_\_, dated March 10, 1900

AS EXAMINED BY

~~CHAS. T. STROVER~~  
Examiner of Surveys.

Survey ~~CHAS. T. STROVER~~  
Examination commenced May 20, 1900

~~WILLIAM STROVER~~

Survey ~~CHAS. T. STROVER~~  
Examination completed May 25, 1900

47  
10

BOOK 2105

1888

32840 NAMES AND DUTIES OF ASSISTANTS.

~~C. F. Stover~~ ..... Chairman.

Chas. F. Stover ..... Chairman.

G. W. Carpenter ..... Flagman.

CERTIFICATE.

Y E V R U P

We hereby certify that we assisted William Stover  
Examiner of Surveys, in ~~examining~~ <sup>conducting</sup> surveys in Sec. 22, T. 2 S., R. 15 E.,

G. & S. R. Mar., ~~Arizona~~ <sup>Arizona</sup>, under contract ~~of~~ <sup>with</sup> Inst., as follows:

Exterior lines of Sec. 22 and subdivisional lines therein, also  
exterior boundary lines of the lands occupied by Wm. Neal within  
his homestead ~~within~~ <sup>the</sup> NW $\frac{1}{4}$  of Sec. 22, segregating such  
lands from the S $\frac{1}{2}$  of the NW $\frac{1}{4}$ , Sec. 22, T. 2 S., R. 15 E.

and that said ~~examination~~ <sup>survey</sup> has been, in all respects, to the best of our knowledge  
and belief, well and faithfully made, according to the instructions furnished by the  
Commissioner of the General Land Office.

80 Chas. F. Stover ..... Chairman.

80 G. C. Marshall ..... Chairman.

80 G. W. Carpenter ..... Flagman.

Subscribed and sworn to before me this 20 day of May, 1909

William Stover.



## Chains

Survey begun May 20, 1909, under instructions from the Hon. Commissioner, G. L. O., which are as follows:

Mr. William Strover,  
Examiner of Surveys,  
Parker, Arizona.

Sir: In view of a certain decision rendered by the Department on Feb. 25, 1909 (copy incl'd) which permits William Neal to make homestead entry for the entire  $N\frac{1}{2}$   $NW\frac{1}{4}$  and also that portion of the  $S\frac{1}{2}$   $NW\frac{1}{4}$  of sec. 36, T. 9 S., R. 15 E., Arizona, now actually within his possession as indicated by his line of fences upon the ground, it becomes necessary to determine upon the ground by a special survey, the lands in question. It will first be necessary to subdivide section 36 in accordance with the requirements of the circular of Mar. 14, 01 (copy incl'd) so as to define the  $S\frac{1}{2}$   $NW\frac{1}{4}$  thereof. After having set the necessary corners to define this subdivision and the intersection of its boundary lines with the fences lines referred to, you will survey out by metes and bounds the lands therein claimed by Neal and indicated by his fences, marking upon the ground the angle points thereof by establishing the necessary corners and determining the course and distances of the bounding lines. Enclosed herewith is an unofficial map which indicates the holdings of Neal and others, which will serve to give you an idea as to the existing conditions, but said map must not be accepted as arbitrarily fixing the bounds of said Neal's claim. From this map you will note that Neal's holdings within the  $S\frac{1}{2}$   $NW\frac{1}{4}$  will be in two parts and slightly separated by reason of a roadway in existence

## Chains

respected by all parties, which roadway will be excluded from Neal's holdings and included within the residual of public land in  $S\frac{1}{2}$  NW $\frac{1}{4}$ , covered by the application of the townsite of Oracle.

The survey will be so complete that the area of each of Neal's holdings, as well as the area of the remaining public lands in the  $S\frac{1}{2}$  NW $\frac{1}{4}$  can be determined.

You will include this work with that heretofore assigned to you and transmit your returns direct to this office, to this end you will make the preparation of the returns of this work special.

Very respectfully,

(sgd) Fred Dennett

Commissioner.

At the approximate center of the NW $\frac{1}{4}$  of sec. 36, T. 9 S., R. 15 E., G. & S. R., Mer., Arizona, at 4 o'clock, P.M., l.m.t., I set off  $30^{\circ} 30''$  on the decl. arc,  $32^{\circ} 37'$  on the lat arc and determine a mer. with the solar. I mark the line thus determined by a nail driven in a board, set firmly in the ground, 4.80 chs. N. of my station.

At 8 o'clock P.M., l.m.t., I observe Polaris, in accordance with the manual. Mizar is in the eastern sky.

Astr. time of observation May 20, 1909	8h 00.0m
Equivalent to time May 19	32 00.0
Astr. time U.C. Polaris May 15	31h 51.5m
Reduction to May 19	<u>15.7</u>
Astr. time U. C. Polaris May 19	31h 35.8 <sup>m</sup> <u>sub. 21 35.8</u>
Hour angle of Polaris at time of observation	10h 34.3m

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

I mark the line thus determined on the board heretofore set.

May 20, 1909.

May 21, 1909: At 8 o'clock A.M., l.m.t., I lay off the az. of Polaris 35' to the east and mark the line thus determined by a nail on the board set at 4.80 chs., N. of my station, which nail is 0.2" E. of the point established at 4 P.M., May 20, 09.

At 8-10 A.M., l.m.t., I set off 20° 9' on the decl. arc, 32° 37' on the lat arc and determine a mer. with the solar, which line falls 0.4" E. of the line established by Polaris observation.

I now go to the cor. for secs. 35, 36, 35, 36, a conglomerate granite and quartzite rock 7 x 13 x 12" above ground, marked 1 groove on E. and 1 groove on S. faces.

From which

An oak, 11" diam., brs. S. 80° 31' W., 113 lks. dist.,  
mkd. T 9 S R 15 E S 35 B T

An oak 13" diam., brs. N. 48° 2' W., 144 lks. dist.,  
mkd. T. 9 S R 15 E S 26 B T

(No other trees within limits)

At this cor. at 8.20 A. M., l.m.t., I set off 20° 9' on the decl arc, 32° 37' on the lat. arc and determine a mer. with the solar.

Thence I run

E. on a random line bet. secs. 35 and 36.

Over rolling and hilly land, thru scattering oak timber, with scrub oaks and mesquite and catsclaw brush.

## Chains

39.97 Fall 10 lks. N. of the  $\frac{1}{2}$  cor. bet. secs. 25 and 36.  
A granite rock 12 x 13 x 9" above ground, mkd.  $\frac{1}{2}$  on  
N. face; a mound of stone  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high  
N. of cor.

No trees within limits.

Course of this  $\frac{1}{2}$  mile is S.  $89^{\circ} 51'$  E.

Thence from the  $\frac{1}{2}$  cor., I run

E. on a random line bet. secs. 25 and 36.

39.89 Fall  $6\frac{3}{4}$  lks. N. of the cor. for secs. 25, 30, 31 and  
36.

A granite rock 6 x 14 x 11" above ground, mkd. 1  
notch on S. and 5 notches on N. edges. No md. of  
stones.

No pits.

No trees within limits.

I raised a mound of stone 3 ft. base, 2 ft. high W.  
of cor.,  $2\frac{1}{2}$  ft. dist.,

Pits impracticable.

Course of this  $\frac{1}{2}$  mile is S.  $89^{\circ} 54'$  E.

---

From the cor. for secs. 25, 30, 31 & 36.

I run

N.  $89^{\circ} 54'$  W. on a true line bet. secs. 25 & 36.

Over hilly land, broken by many draws and covered  
with scattering oak timber, mesquite, catsclaw,  
scrub oak and cactus.

19.94 $\frac{1}{2}$  Set a granite rock 10 x 11 x 18" 2" in the ground  
on bed rock, with a md. of stones around it, for 1-16  
Cor., marked 1-16 on N. face and raised a md. of  
stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.  $2\frac{1}{2}$  ft.  
dist.,

## Retracements &amp; Survey of Sec. 35, T. 9 S., R. 15 E., Arizona.

## Chains

Pits impracticable.

No trees within limits.

39.89 Int. the  $\frac{1}{4}$  cor. bet. secs. 25 & 36, heretofore described.

From the  $\frac{1}{4}$  cor. I run

N. 89° 51' W. on a true line bet. secs. 25 & 36, over hilly land, sloping northerly.

19.98 $\frac{1}{2}$  Set a granite rock 7 x 8 x 14", 3" in the ground on hard rock, with a md. of stones around it, for 1-16 cor., marked 1-16 on N. face, and raise a md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor., 2 $\frac{1}{2}$  ft. dist.

Pits impracticable. No trees within limits.

39.97 Int. the cor. for secs. 25, 26, 35 & 36, heretofore described.

Land, hilly & broken by numerous dry washes.

Soil, A decomposed granite, 3d and 4th rate.

Grass, poor.

Timber, scattering oaks, with scrub oak undergrowth, mesquite, catsclaw and some cactus.

From the cor. for secs. 25, 26, 35 & 36.

I run

S. on a random line bet. secs. 35 & 36.

40.01 Fall 4 lks. E. of the  $\frac{1}{4}$  cor. bet. secs. 35 & 36.

A quartzite boulder 11 x 15 x 13" above ground, mkd.  $\frac{1}{4}$  on W. face, from which

An oak 7" diam., brs. N. 83° 22' W., 110 lks. dist., mkd.  $\frac{1}{4}$  S 35 B T

An oak 12" diam., brs. S. 34° 16' E., 139 lks. dist., mkd.  $\frac{1}{4}$  S 36 B T

53

Retracements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

Course of this  $\frac{1}{2}$  mile is N.  $0^{\circ} 3'$  E.

At this cor. at noon, I set off  $20^{\circ} 10\frac{1}{2}'$  on the decl. arc and observe the sun on the mer. The resulting lat. is  $32^{\circ} 36\frac{1}{2}'$  N.

From the  $\frac{1}{4}$  cor. bet. secs. 35 and 36, I run S. on random line bet. secs. 35 and 36.

Ascending over hilly and mountainous land, towards main ridge of the Catalina Mts., thru very dense scrub oak, mesquite, catsclaw and manzanita brush.

40.05 Fall 20 lks. E. at this cor. for secs. 35, 36, 1 & 2, on S. bdy. of T. 9 S., R. 15 E.,

A granite rock 11 x 14 x 12" above ground; mkd. 1 groove on E. and 5 grooves on W. faces, a md. of stones 3 ft. base,  $2\frac{1}{2}$  ft. high, W. of cor.

No trees within limits.

Cor stands on N. slope of ridge.

Course of this  $\frac{1}{2}$  mile is N.  $0^{\circ} 17'$  E.

From the cor. for secs. 35, 36, 1 & 2, I run N.  $0^{\circ} 17'$  E. on a true line bet. secs. 35 and 36.

Descending over mountainous land, broken by dry washes & covered with very dense scrub oak, mesquite, catsclaw & manzanita brush, with few scattering oak trees.

20.02 $\frac{1}{2}$  Set a granite rock 8 x 20 x 15", 4" in the ground on rock, with a md. of stone around it, for 1-16 cor. mkd. 1-16 on W. face, and raised a md. of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Pits impracticable. No trees within limits.

40.05 Int. the  $\frac{1}{4}$  cor. bet. secs. 35 & 36 heretofore described.

From the  $\frac{1}{4}$  cor. bet. secs. 35 & 36 I run N.  $0^{\circ} 3'$  E. on a true line bet. secs. 35 & 36.

## Retracements &amp; Survey of Sec. 36, T. 9 S., T. 15 E., Arizona. 7

20.00 $\frac{1}{2}$  Set a basaltic rock 9 x 12 x 15", 4" in the ground on  
 rock, with a md. of stones around it, for 1-16 cor. mkd.  
 1-16 on W. face, and raised a md. of stones 2 $\frac{1}{2}$  ft. base,  
 1 $\frac{1}{2}$  ft. high. W. of cor. Pits impracticable. No trees within  
 40.01 Int. the cor. for secs. 25, 26, 35, 36, heretofore limits

described.

Land, hilly and mountainous.

Soil, a decomposed granite, 3rd and 4th rate.

Grass, poor.

Timber, scattering oaks, with scrub oak undergrowth  
 and dense mesquite, catsclaw brush.

May 21, 1909.

May 22, 1909.

At 7 o'clock A. M., l.m.t., at the cor. for secs.

25, 30, 31 & 36 on E. bdy. of T. 9 S., R. 15 E.,

I set off 20° 21' on the decl arc, 32° 37' on the

lat arc and determine a mer. with the solar.

Thence I run

S. on a random line bet. secs. 31 and 36.

40.01 Fall 11 lks. W. of the  $\frac{1}{4}$  cor., bet. secs. 31 and 36.

A granite rock 9 x 13 x 14" above ground mkd.  $\frac{1}{4}$  on  
 W. face, From which

An oak 7" diam., brs. S. 41° 40' E., 31 lks. dist., mkd  $\frac{1}{4}$  S 31 B T

An oak 6" diam., brs. S. 11° 4' W. (dist obliterated  
 in note book) mkd.  $\frac{1}{4}$  S 36 B T

I also erect a md. of stones 3 ft. base, 2 ft. high,  
 W. of cor. 2 $\frac{1}{2}$  ft. dist.

Course of this  $\frac{1}{2}$  mile is S. 0° 9' E.

From the  $\frac{1}{4}$  cor. bet. secs. 31 and 36 I run

S. on a random line bet. secs. 31 and 36.

36.18 $\frac{1}{2}$  Fall 5 lks. W. of a granite rock 11 x 12 x 15" above  
 ground, mkd. with 6 grooves on S. and E. faces and a  
 md. of stones 3 ft. base, 2 $\frac{1}{2}$  ft. high, E. of cor.



## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

(Have no data for this Tp. but markings indicate that this is cor. for Tps. 9 & 10 S., R. 16 E., though the Forest Service in marking the bdy of the Catalina Forest Reserve, has adapted markings indicate that

this cor. for Ts. 9 & 10 S., Rs. 15 and 16 E.)

40.02 Fall  $8\frac{1}{2}$  lks. W. of the cor. for townships 9 & 10 S., R. 15 E.,

A granite rock 6 x 11 x 10" above ground, mkd. with 6 grooves on N., S. & W. faces, and a md. of stone  $2\frac{1}{2}$  ft. base, 2 ft. high, W. of cor.

Cor. stands in draw among dense oak brush alongside of wire fence, running N. and S.

Course of this  $\frac{1}{2}$  mile is S. 0° 7' E.

From the cor. for Ts. 9 & 10 S., R. 15 E.,

I run

N. 0° 7' W. on a true line on E. bdy. sec. 36, descending over rough and mountainous land, thru dense scrub oak, mesquite, catsclaw and manzanita.

3.83 $\frac{1}{2}$  Fall 3 lks. W. of this cor. for T. 9 & 10 S., R. 16 E., heretofore described.

20.01 Set a granite rock 4 x 5 x 12", 2-3 in the ground for 1-16 cor., mkd. 1-16 on W. face, and raised a mound of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.  $3\frac{1}{2}$  ft. dist. Pits impracticable.

No trees within limits.

40.02 Int. the  $\frac{1}{4}$  cor. bet. secs. 31 and 36, heretofore described.

From the  $\frac{1}{4}$  cor. bet. secs. 31 and 36, I run

N. 0° 9' W. on a true line bet. secs. 31 and 36.

Over hilly land, broken by numerous dry washes, thru dense scrub oak, mesquite and catsclaw brush and scattering oak timber.



## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

20.00 $\frac{1}{2}$  Set a granite rock 6 x 6 x 14", 2" in the ground on rock, with a md. of stones around it, for 1-16 cor. mkd. 1-16 on W. face and raised a md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor., 2 $\frac{1}{2}$  ft. dist.  
Pits impracticable.

No trees within limits.

40.01 Int. the cor. for secs. 25, 30, 31 & 36, heretofore described.

Land S $\frac{1}{2}$  rough and mountainous, N $\frac{1}{2}$  hilly and broken by dry washes.

Soil, gravelly and stony, 3rd & 4th rate.

Grass, fair.

Timber, scattering oaks on N $\frac{1}{2}$ , with dense scrub oaks, mesquite and catsclaw on whole line.

At the cor. for secs. 25, 30, 31 & 36, at noon, I set off 20° 22 $\frac{1}{2}$ ' on the decl. arc and observe the sun on the mer. The resulting lat. is 32° 37' N.

From the cor. for Ts. 9 & 10 S., R. 15 E.,

I ran

W. on a random line on S. bdy. sec. 36,

Over mountainous land and along N. slope of mountain ridge. Thru dense scrub oak, mesquite, catsclaw & manzanite. Land broken by many draws running northerly.

40.08 Int. the  $\frac{1}{4}$  cor. bet. secs. 36 & 1.

A granite rock 9 x 14 x 11" above ground mkd.  $\frac{1}{4}$  on N.

From which

## Chains

An oak 10" diam. brs. S. 32° 44' E., 88 lks. dist.,  
mkd.  $\frac{1}{4}$  S 1 B T

An oak 2 $\frac{1}{2}$ " diam., brs. N. 17° 31' W., 46 lks. dist.,  
mkd.  $\frac{1}{4}$  S 36 B T

Course of this  $\frac{1}{2}$  mile is W.

From the  $\frac{1}{4}$  cor. bet. secs. 36 and 1, I run

W. on a random line on S. bdy. sec. 36.

40.11 Fall 11 lks. S. of the cor. for secs. 35, 36, 1 & 2,  
heretofore described.

Course of this  $\frac{1}{2}$  mile is N. 89° 51' W.

---

From the cor. for secs. 35 & 36, 1 & 2 on S. bdy.  
of Tp. I run

S. 89° 51' E. on a true line on S. bdy. secs. 36.

Over rough and mountainous land. Thru scattering  
oaks, dense scrub oak and brush.

20.05 Set a quartzite rock 11 x 13 x 15", 2" in the ground  
on rock with a md. of stones around it, for 1-16 cor.  
mkd. 1-16 on N. face, and raised a md. of stones 2 $\frac{1}{2}$   
ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor., 2 $\frac{1}{2}$  ft. dist.,  
Pits impracticable.

No trees within limits.

40.11 Int. the  $\frac{1}{4}$  cor. bet. secs. 36 & 1, heretofore  
described.

From the  $\frac{1}{4}$  cor. bet. secs. 36 & 1. I run

E. on a true line on S. bdy. sec. 36.

20.04 Set a granite rock 5 x 6 x 14", 2-3 in the ground  
for 1-16 cor., mkd. 1-16 on N. face, and raised a  
md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, N. of cor.  
2 $\frac{1}{2}$  ft. dist.

Pits impracticable. No trees within limits.

40.08 Intersect the corner of Ts. 9 & 10, S., R. 15 E. here-  
tofore described.

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

Retracements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Land, rough & mountainous.

Soil, a decomposed granite and stony, 4th rate.

Grass, fair.

Timber, scattering oaks, with scrub oaks, mesquite, catsclaw, manzanita & cactus.

May 23, 1909.

May 23, 1909

Having retraced the exterior boundaries of sec. 36, determined the true bearing & distances of said line midway on lines between  $\frac{1}{4}$  and sec. cors. & established 1-16 sec. cors., I now proceed to sub-

divide sec. 36 in accordance with the circular of Mar. 14, 1901, on restoration of Lost and Obliterated Corners and Subdivisions of Sections.

I begin at the  $\frac{1}{4}$  cor. on S. bdy. of sec. 36, heretofore described, and at this cor. at 8-05 o'clock A.M., l.m.t., I set off  $20^{\circ} 52\frac{1}{2}'$  on the decl. arc,  $32^{\circ} 36'$  on the lat arc, and determine a mer. with the solar.

Thence I run

N. on a random line thru the center of sec. 36.

40.00 Set a temp. stake for ctr. of sec. 36.

60.00 Set a temp. stake.

80.04 Fall 7 lks. E. of the  $\frac{1}{4}$  cor. bet. secs. 25 and 36, heretofore described.

Course of this mile is N.  $0^{\circ} 3' W.$

At the  $\frac{1}{4}$  cor. bet. secs. 35 & 36, heretofore described, at 9-30 o'clock A.M., l.m.t., I set off  $20^{\circ} 33'$

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

on the decl. arc,  $32^{\circ} 36\frac{1}{2}'$  on the lat. arc, and determine a mer. with the solar.

Thence I run

E. on a random line thru center of sec. 36.

20.00 Set temp. stake.

40.00 Set temp. stake at ctr. of sec. 36.

79.98 Fall 10 lks. S. of the  $\frac{1}{4}$  cor. bet. secs. 36 & 31, on E. bdy. of Tp. and heretofore described.

Course of this mile is N.  $89^{\circ} 56'$  E.

At the  $\frac{1}{4}$  cor. bet. secs. 36 & 31, on E. bdy. of Tp, at noon, I set off  $20^{\circ} 34'$  on the decl. arc, and observe the sun on the mer. The resulting lat. is  $32^{\circ} 36\frac{1}{2}'$  N.

May 23, 1909.

May 24, 1909.

At the  $\frac{1}{4}$  cor. bet. secs. 35 & 36, heretofore described, at 7-50 o'clock A.M., l.m.t., I set off  $20^{\circ} 44'$  on the decl. arc,  $32^{\circ} 36\frac{1}{2}'$  on the lat. arc and determine a mer. with the solar.

Thence I run

N.  $89^{\circ} 56'$  E. on a true line thru the center of sec. 36.

12.70 Int. the W. bdy. fence of the lands of William Neal and at this point I set a hard sandstone 13 x 14 x 15" <sup>the</sup> 2-3 in ground, under wire fence, mkd. A P on W. and P L on E. faces, and raised a md. of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, NE. of cor.,  $2\frac{1}{2}$  ft. dist., pits impracticable.

19.99 $\frac{1}{2}$  Set a granite stone 5 x 12 x 5", 2-3 on the ground mkd.

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

l-16 on S. face & P L on N. face, and raised a md. of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, N. of cor.,  $2\frac{1}{2}$  ft. dist.

Pits impracticable.

24.74 Int. the E. bdy. fence of the lands of Wm. Neal & at this point I set

A granite stone  $5\frac{1}{2}$  x 11 x 17", 2-3 in the ground under wire fence, mkd. A P on E. and P L on side facing claim, and raised a md. of stone  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, NW. of cor.  $2\frac{1}{2}$  ft. dist.

Pits impracticable.

39.99 Move the temp. stake, heretofore set on random line to this point.

79.98 Int. the  $\frac{1}{4}$  cor. bet. secs. 36 and 31 on E. bdy. of T. heretofore described.

---

At this  $\frac{1}{4}$  cor. bet. secs. 36 and 1 on S. bdy. of T. and heretofore described, at 10 o'clock A. M., l.m.t., I set off  $20^{\circ} 44\frac{1}{2}'$  on the decl. arc,  $32^{\circ} 36'$  on the lat. arc and determine a mer. with the solar.

Thence I run

N.  $0^{\circ} 3'$  W. on a true line thru the center of sec. 36,

40.02 I int. my temp.  $\frac{1}{4}$  cor., set on my true line N.  $89^{\circ} 56'$  E. thru the center of sec. 36.

I set a basaltic rock 4 x 9 x 16",  $2\frac{1}{2}"$  in the ground on rock with a mound of stone around it, for center of sec. 36 mkd. ctr S 36 on S. face and raised a mound of stones 3 ft. base, 2 ft. high, W. of cor.,  $2\frac{1}{2}$  ft. dist. Pits impracticable.

60.03 Set a granite rock  $4\frac{1}{2}$  x 12 x 15", 2-3 in the ground for l-16 cor., mkd. l-16 on W. face, and raised a

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

mound of stones 3 ft. base, 2 ft. high, W. of cor.,  $2\frac{1}{2}$  ft. dist. Pits impracticable.

80.04 Fall 1 lk. E. of the  $\frac{1}{2}$  cor. bet. secs. 25 & 36, heretofore described.

---

At the  $\frac{1}{2}$  cor. bet. secs. 25 & 36, at noon, I set off  $20^{\circ} 45\frac{1}{2}'$  on the decl. arc and observe the sun on the mer. The resulting lat. is  $32^{\circ} 37' N.$

---

At the 1-16 sec. cor. on  $N\frac{1}{2}$  of line, bet. secs. 35 & 36, heretofore established by me and described, at 1 o'clock P.M., l.m.t., I set off  $20^{\circ} 46'$  on the decl. arc,  $32^{\circ} 37'$  on the lat. arc and determine a mer. with the solar.

Thence I run

E. on a random line thru the center of the  $N\frac{1}{2}$  of sec. 36.

39.98 Fall 7 lks. S. of the 1-16 cor. set on  $N\frac{1}{2}$  of center line (N.  $0^{\circ} 3' W.$ ) of sec. Set temp. stake.

79.96 Fall 12 lks. S. of the 1-16 cor. heretofore established on  $N\frac{1}{2}$  of line bet. secs. 36 and 31.

Course of this mile is N.  $89^{\circ} 55' E.$

Thence I run

S.  $89^{\circ} 55' W.$  on a true line thru the center of the  $N\frac{1}{2}$  of sec. 36.

39.98 Fall 3-4 lk. S. of the 1-16 cor. on ctr. line thru sec. 36. N.  $0^{\circ} 3' W.$  and heretofore described.

79.96 Fall  $\frac{1}{2}$  lk. N. of the 1-16 cor. established on  $N\frac{1}{2}$  of line bet. secs. 35 & 36.

Retracements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

(The sky is obscured by heavy clouds and further instrument work is impossible.)

3 P.M.

May 24, 1909.

May 25, 1909.

Having defined by the establishment of proper monuments the S $\frac{1}{2}$  of the NW $\frac{1}{4}$  of sec. 36, as instructed, I now proceed to survey by metes and bounds the lands of Wm. Neal in said S $\frac{1}{2}$ , NW $\frac{1}{4}$  and to mark each angle point of said lands by establishing proper monuments. At the 1-16 cor. on N $\frac{1}{2}$  of line bet. secs. 35 & 36, heretofore established and described, at 8 o'clock, A.M., l.m.t., I set off 30° 55' on the decl. arc, 32° 37' on the lat. arc and determine a mer. with the solar

Thence I run

N. 89° 55' E. on a true line thru the center of the N $\frac{1}{2}$  of sec. 36.

- 10.47 S. side of public road, S. of E. and N. of W.
- 12.42 N. side of same road.
- 19.99 The 1-16 cor. established by me at center of NW $\frac{1}{4}$  of sec. 36.
- 21.01 Int. the W. bdy. fence of the lands of Wm. Neal and set a quartzite rock 9 x 12 x 15" 2-3 in the ground for angle point, mkd. A P on W. & P L on side facing claim. Mound of stones or pits not practicable. Thence across Neal's land.
- 32.10 Int. the E. bdy. fence of Neal's land and set a white quartzite rock 8 x 10 x 15" 2-3 in the ground with a md. of stones around it and raise a md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, W. of cor., marked A P on

## Chains

- E. and P L on side facing claim.
- 39.98 Int. the 1-16 cor. on ctr. line thru sec. 36  
I now return to the angle cor. set by me on the W.  
bdy. of Neal's land, 21.01 chs. N. 89° 55' E. from  
the 1-16 cor. on N $\frac{1}{2}$  of line bet. secs. 35 & 36.  
Thence I run  
S. 15° 37' W. along Neal's fence.
- 2.04 To fence cor. on N. side of public road and angle  
point.  
Set a quartzite rock 8 x 11 x 12", 2-3 in the ground  
for angle cor. mkd. A P on SW. and P L on side facing  
claim. Mound of stones or pits not practicable.  
Thence I run along fence & N. side of road S. 70°  
31' E.
- 2.64 To angle point on fence.  
Set a granite rock 6 x 8 x 13", 2-3 in the ground for  
angle point, mkd. A P on S. and P L on side facing  
claim. Mound of stones or pits impracticable.  
Thence I run along fence & N. side of road S. 74°  
35' E.
- 5.48 To fence cor. and angle point.  
Set a hard sandstone 5 x 6 x 18" 2-3 in the ground  
for angle point, mkd. A P on SE. and P L on side facing  
claim and raised a md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft.  
high, N. of cor.  
Thence I run along fence  
N. 16° 4' E.
- 0.76 To fence cor. and angle point.  
Set a quartzite rock 4 x 9 x 17". 2-3 in the ground  
for angle point, mkd. A P on SE. and P L on side  
facing claim and raised a md. of stones 2 $\frac{1}{2}$  ft. base,



## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

## Chains

$1\frac{1}{2}$  ft. high, NW of cor.

Thence I run along fence.

S.  $62^{\circ} 28'$  E.

2.18 To fence cor. and angle point.

Set a granite rock 7 x 8 x 16" 2-3 in the ground for angle point mkd. A P on S. and P L on side facing claim, and raised a md. of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, NW. of cor.

Thence I run along fence.

N.  $21^{\circ} 5'$  E.

4.84 Int. angle cor. heretofore established at intersection of line, running N.  $89^{\circ} 55'$  E. thru center of  $N\frac{1}{2}$  of sec. 36, at 32.10 chs. from the 1-16 cor. on  $N\frac{1}{2}$  of line bet. secs. 35 & 36.

The length of the N. bdy. of this tract of Neal's land is 11.09 chs. and its course is S.  $89^{\circ} 55'$  W.

This concludes the survey by metes and bounds of the northernmost tract of land claimed by Wm. Neal in the  $S\frac{1}{2}$ ,  $NW\frac{1}{4}$  of sec. 36.

The claimant has most substantial improvements upon this tract. A two story hotel, substantially built and very nicely furnished throughout and thoroughly modern. A fine garden with ornamental trees and shrubs, also a vegetable garden under high cultivation, steam pump and a windmill. Stable, Barn and a cottage for his help.

## Retracements &amp; Survey of Sec. 36, T. 9 S., R. 15 E., Arizona

Table of Lat. &amp; Dept., showing closing error.

Course	Dist.	Latitude		Departure	
		North	South	East	West
S. 89° 55' W.	: 11.09 :	:	: .01 :	:	: 11.09 :
S. 15° 37' W.	: 2.04 :	:	: 1.96 :	:	: .55 :
S. 70° 31' E.	: 2.64 :	:	: .88 :	2.48 :	:
S. 74° 35' E.	: 5.48 :	:	: 1.45 :	5.28 :	:
N. 16° 4' E.	: .76 :	.73 :	:	.21 :	:
S. 62° 28' E.	: 2.18 :	:	: 1.01 :	1.93 :	:
N. 21° 5' E.	: 4.84 :	4.52 :	:	1.74 :	:

5.25: 5.31: 11.64: 11.64:

5.25

Error in lat.

.06

The sky is obscured at noon and could therefore not take the lat.

From the angle point on N. side of public road, also the SE. cor. of Neal's tract of land N. of road in the S $\frac{1}{2}$  NW $\frac{1}{2}$  sec. 36. I run S. 20° 25' W. 2.46 chs. across public road to a fence cor. and angle point of Neal's land, S. of the road. Set a quartzite rock 5 x 9 x 14", 2-3 in the ground for angle point, mkd. A P on N. and P L on side facing private claim and raised a md. of stones 2 $\frac{1}{2}$  ft. base, 1 $\frac{1}{2}$  ft. high, SW. of cor.

Thence I run along fence and S. side of road,

N. 68° 15' W.

4.23 To angle point in fence.

Set a granite rock 8 x 9 x 13", 2-3 in the ground for angle point mkd. A P on N., PL on side facing claim Cor stands at foot of an oak 12" diam. to which wire fence is attached.

Retracements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

Mound of stones or pits impracticable.

Thence I run along fence

N. 81° 10' W.

12.30 To angle point.

Set a basaltic rock 5 x 7 x 15", 2-3 in the ground for angle cor. mkd. A P on NW. and P L on side facing claim, and raised a md. of stones 2½ ft. base, 1½ ft. high, SE. of cor.

Thence I run along fence.

S. 1° 45' W.

16.68 Int. the angle cor. heretofore established and described at intersection of the center line running N.

89° 56' E. thru sec. 36, with the lands of Wm. Neal.

From this cor. I run

N. 89° 56' E. across lands of Wm. Neal, on ctr. line thru sec. 36.

7.50 Int. the 1-16 cor., heretofore established and described.

12.04 Int. the angle cor. heretofore established on E. bdy. of Neal's land.

Thence I run along fence

N. 23° 47' E.

5.00 To angle point in fence.

Set a hard sandstone 5 x 7 x 15", 2-3 in the ground for angle cor. on E. bdy. of Neal's land, marked A P on E. and P L on side facing claim and raised a md. of stones 2½ ft. base, 1½ ft. high, W. of cor.

Thence I run along fence

N. 18° 46' E.

4.50 To angle point in fence.

Set a quartzite rock 5 x 10 x 15", 2-3 in the ground for angle cor., mkd. A P on E. and P L on side facing

67

Retracements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

claim, and raised a md. of stones  $2\frac{1}{2}$  ft. base,  $1\frac{1}{2}$  ft. high, W. of cor.

Thence I run along fence,

N.  $15^{\circ} 27'$  E.

4.72

Int. the cor. heretofore established on S. side of public road, the beginning cor.

This concludes the survey of the lands of William Neal, S. of the public road, within the  $S\frac{1}{2}$   $NW\frac{1}{4}$  sec. 36. The improvements upon this tract consist of a substantially built cottage, used as annex to the hotel across the road. The bal. of the land is used as pasture and is all fenced in.

May 25, 1909

Table of Lat. & Dept., showing closing errors.

Courses	Dist.	Latitude		Departure	
		North	South	East.	West
N. $68^{\circ} 15'$ W.	4.23	1.56			3.92
N. $81^{\circ} 10'$ W.	12.30	1.89			12.15
S. $1^{\circ} 45'$ W.	16.68		16.67		.51
N. $89^{\circ} 56'$ E.	12.04	.01		12.04	
N. $23^{\circ} 47'$ E.	5.00	4.57		2.01	
N. $18^{\circ} 46'$ E.	4.30	4.06		1.38	
N. $15^{\circ} 27'$ E.	4.72	4.54		1.25	
	59.27	16.63	16.67	16.68	16.58
errors			<u>16.63</u> .04	<u>16.58</u> .10	

Retraacements & Survey of Sec. 36, T. 9 S., R. 15 E., Arizona.

Chains

Courses	Dist.	Latitude		Departure	
		North	South	East	West
N. 0° 17' E.	: 40.05 :	40.05 :		.20 :	
N. 0° 3' E.	: 40.01 :	40.01 :		.03 :	
S. 89° 51' E.	: 39.97 :		.10 :	39.97 :	
S. 89° 54' E.	: 39.89 :		.17 :	39.89 :	
S. 0° 9' E.	: 40.01 :		40.01 :	.10 :	
S. 0° 7' E.	: 40.02 :		40.02 :	.08 :	
West	: 40.08 :				40.08 :
N. 89° 51' W.	: 40.11 :	.10 :			40.11 :
		80.16 :	80.30 :	80.27 :	80.19 :
			<u>80.16</u>	<u>80.19</u>	
			.14	.08	

NOTE: The land in the N $\frac{1}{2}$  of sec. 36 is hilly and broken by numerous dry arroyas, covered with scattering oak timber, scrub oak, mesquite and catsclaw brush. The S $\frac{1}{2}$  is rough and near the S. bdy. is mountainous, covered with a dense growth of scrub oaks, mesquite, catsclaw, manzanita and some cactus. Scattering oak timber.

The village of Oracle, which is principally a resort for health seekers, occupies the central portion of the section and contains a number of nice cottages, 2 hotels, chappel, etc.

The claimant of the homestead land covering the NW $\frac{1}{4}$ , Wm. Neal, has the most substantial and extensive improvements within the section.

William Strover

Examiner of Surveys.

OATH OF EXAMINER OF SURVEYS.

I, William Strover, Examiner

of Surveys, do solemnly swear that, in pursuance of instructions received from the Commissioner of the General Land Office, bearing date the 10th

day of March, 1900, and the        day of

      , 19    , I have well, faithfully, and truly, in my own

proper person, and in strict conformity with the instructions furnished by said Com-

missioner, ~~examined~~ surveyed all those parts or portions of Sec. 22 in T. 2 S.,

R. 15 E.

G. & B. R. Meridian, in the Territory of Arizona

~~surveyed by~~       , ~~U. S. Deputy Surveyor,~~

~~under contract No.~~       , dated       , 10, which are

represented in the foregoing field notes as having been ~~examined~~ surveyed by me; and I do

further solemnly swear that the foregoing are the true field notes of such examination.

William Strover  
Examiner of Surveys.

Subscribed and sworn to before me this 1st day of June, 1900

E. F. Richey  
U. S. Comm'r.

TOVOTJS MALLIV

WOTOT

OO

WOTOT

. . . . .

WOTOT

. . . . .

WOTOT TO WOTOT

. . . . .

WOTOT

WOTOT MALLIV

OO

WOTOT

WOTOT

WOTOT TO WOTOT

U. S. GOVERNMENT

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by \_\_\_\_\_

\_\_\_\_\_, 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 \_\_\_\_\_

showing the respective capacities in which they acted:

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted \_\_\_\_\_

\_\_\_\_\_, United States Deputy Surveyor, in surveying all those parts or portions of the \_\_\_\_\_

\_\_\_\_\_ of the \_\_\_\_\_

\_\_\_\_\_ meridian, \_\_\_\_\_ of \_\_\_\_\_, 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 \_\_\_\_\_

- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Chainman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Moundman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Axman.*
- \_\_\_\_\_, *Flagman.*

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 190 \_\_\_\_\_





70  
23

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, \_\_\_\_\_, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from \_\_\_\_\_ United States Surveyor General for \_\_\_\_\_, bearing date of the \_\_\_\_\_ day of \_\_\_\_\_, 190 \_\_\_\_\_, 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 \_\_\_\_\_, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of \_\_\_\_\_ of the \_\_\_\_\_ meridian, in the \_\_\_\_\_ of \_\_\_\_\_, 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 \_\_\_\_\_ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

United States Deputy Surveyor.

Subscribed by said \_\_\_\_\_, and sworn to before me }  
 this \_\_\_\_\_ day of \_\_\_\_\_, 190 \_\_\_\_\_ }



APPROVAL.

*WJP*

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,  
General Land Office, Washington, D. C.

*J.C.H.*

July 24, 1909.

The foregoing field notes of the survey of the townsite of Oracle accompanied with the retracement of the boundaries of Sec. 36, and subdivisional lines within said section in T. 9 S., R. 15 E., G. & S. R. Mer., Arizona.

executed by Wm. Storer  
 under his Special Instructions, dated March 10, 1909, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

S. V. Proudfit,  
 Acting Commissioner ~~United States Surveyor General~~

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 9 S., R. 15 E., Arizona, has been correctly copied from the original notes on file in this office.

*S. V. Proudfit*  
 Acting Commissioner ~~United States Surveyor General~~