

No. 1290

BOOK 1290

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# Field Notes

BOOK 1290

OF THE SURVEY OF

*Retracing of 3<sup>d</sup> Stand  
and Parallel North  
through Rs 24 & 25 E*

*No. 1290*

*Gila and Salt River Base and Meridian*

## ARIZONA.

By *A. V. Wheeler* D. S.

under contract dated *May 21*, 1882.

Survey commenced *July 13*, 1882.

Survey completed *July 15*, 1882.

1290



Retracing of 3<sup>d</sup>  
Standard Parallel  
North through Ranges  
24 and 25 E.

Through

Range 24 E  
" 25 E.

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the inch.

[Blank lined area for notes or calculations]

3<sup>d</sup> Standard Parallel North along  
S. B. T. 13 N. <sup>through</sup> R 24 E. G. S. R. M.

The Instrument that I used in making this survey was manufactured by Otto Reumel of Basel in Germany in 1881. and was carefully examined and tested on the true Meridian at Tucson Arizona, before commencing this survey and was also further tested by me and found in perfect adjustment on the 13<sup>th</sup> day of July 1882. I set my instrument at the Standard Cor. to R 23 & 24 E. on S. Ry of T. 13 N. examined it and found it correct.

3<sup>d</sup> Stand. N. through R 24 E.

Chains

I took the latitude  
and found it to be  $34^{\circ} 26'$   
North. Survey commenced July 14, 1852

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From the Standard  
Cor. to Sp. 13 N. Rs 23 & 24  
E. which is a volcanic stone  
20 x 20 in. set firmly in the  
ground, properly watched  
with mound of rocks  $2\frac{1}{2}$   
ft. high on E. side. established  
as per instructions of old Manual  
From East on a random  
line on South Boundary Sec.  
31.

Var.  $13^{\circ} 39' 8''$   
as per observation with Solar Compass  
Through Juniper timber. ✓

3<sup>d</sup> Stand. N. through R. 24 E.

chains

- 4.00 Cross gulch 8 lbs wide, course  
N. W. and ascend
- 14.00 Dip of spur to N. 25° W. & descend
- 31.00 Cross Cañon course N. W.
- 41.90 To a point 4 lbs North of old  
1/4 sec cor. which is a volcanic  
stone 12 x 8 ins. with earth mound  
& pits, Fred's Pits, and mild mound  
to be of proper size  
descend gradually
- 82.56 To a point 183 lbs South of old  
Cor. to Secs. 31 & 32, which is a  
Post in earth mound, with pits,  
properly marked & marked from which  
a Juniper 7 ins. dia. br. N. 85° E. 60 lbs dist.  
which I mark T. 13 N. R. 24 E. S. 32. B. T.
- a Juniper 19 ins. dia. br. S. 34° E. 78 lbs dist.  
which I mark T. 12 N. R. 24 E. S. 5 B. T.
- a Juniper 18 ins. dia. br. N. 52° W. 15 lbs dist.  
which I mark T. 13 N. R. 24 E. S. 31 B. T. ✓

3<sup>d</sup> Stand. N. through R 24 E.

chains

Land broken

Soil 3<sup>d</sup> rate

Timber of cedar & Juniper

Vegetation of bunchgrass

East on a random line on S.B.  
of sec 32.

Var.  $13^{\circ} 39' E$

Ascend

- 40.30 To a point 81 lbs South of  
old  $\frac{1}{4}$  sec. cor. which is a  
Post in earth mound, with  
pits properly marked  
Iredig Pits & rebuilt mound
- 61.30 Cross Wash 3 lbs wide, course  
N.  $20^{\circ}$  W. and over valley.
- 70.00 Foot of Bluff & ascend
- 78.00 Top of Bluff br N.  $70^{\circ}$  W.

3<sup>d</sup> Standard N. through R. 24 E

Chains

80.72

To a point 89 lbs South of old  
 Cor. to Secs. 32 + 33. which  
 is a Limestone 12 x 12 ins. sq.  
 set firmly in the ground  
 properly notched with a  
 stone mound alongside.  
 Land somewhat broken  
 Soil 3<sup>d</sup> rate

Timber of Juniper

Vegetation of Bunch grass.

East on a random line, on S. 1/4  
 of Sec. 33.

Var. 130 39 E.

Ascend

40.39 To a Point 28 lbs South of  
 old 1/4 sec. Cor. which is a  
 volcanic stone 18 x 4 ins.



3<sup>d</sup> Stand. N. through R. 24 E.

chains

set firmly in the ground,  
properly marked, with  
stone mound alongside &  
rebuild mound,

42.00 Top of Bluff to N.  $34^{\circ}$  W.  
and descend

44.00 Foot of Bluff to N.  $34^{\circ}$  W.  
and over flat ground

80.00 To a point 47 lbs South of  
old cor to Secs. 33 & 34, which  
is a post properly marked &  
notched in earth mound  
from which

a Juniper 12 ins. dia. to N.  $12^{\circ}$  E. 23 lbs dist.  
marked T. 13 N. R. 24 E. S. 34 B. T.

a Juniper 9 $\frac{1}{2}$  ins. dia. to S.  $81^{\circ}$  E. 9 lbs dist.  
marked T. 12 N. R. 24 E. S. 3 B. T.

a Juniper 4 $\frac{1}{2}$  ins. dia. to S.  $81^{\circ}$  W. 82 lbs dist.  
marked T. 12 N. R. 24 E. S. 4 B. T. ✓

3<sup>d</sup> Standard W. through R. & E.

chains

Land Rolling & sloping.  
Soil 3<sup>d</sup> rate  
Timber of Gmiper  
Vegetation Bunch grass.

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East on a random line, on  
S. By of Sec 34.

Var.  $13^{\circ}39'$  E.

over flat ground

15.00 Ascend gradually

31.00 Ascend abruptly

36.00 Foot of Bluff

40.40 To a point 28 lbs South of old

1/4 sec. cor. which is a Post  
in earth mound properly  
watched with pits. Fredig

Pits and <sup>built</sup> ~~old~~ mound

42.00 cross Valley course N. E. ✓

3<sup>d</sup> Stand. N. through R. 24 E.

Hours

75.00 Ascend Bluff to N. E. S. W.

78.00 Top of Bluff to N. E. & S. W.  
over rolling surface

80.75 To a Point 89 lbs South of old  
Cor. to Sec. 34 & 35. which is  
a Sand stone properly watched  
set firmly in the ground for  
established as per instructions  
of old Manual  
Land Rolling  
Soil 2<sup>d</sup> rate  
Number of jumps

East on a random line  
on S. B. of Sec 35.

Var.  $13^{\circ}39'8''$

Descend

13.00 Enter Flat corner N. E. & S. W.

3<sup>d</sup> Stand. North through R. 24 E.

chains

- 40.33 To a point 17 lbs South of old  
1/4 sec. cor. which is a Post  
properly notched in earth  
surround with pits Fred's  
pits & rebuilt surround to  
be of proper size.
- 49.20 Cross Wash 20 lbs wide course  
N 25° E.
- 75.41 Cross Wash 20 lbs wide course  
N. 18° W.
- 80.77 To a point 61 lbs South of old  
cor. W Seco. 35 + 36. which is  
a Sandstone 16 x 6 ins. set  
firmly in the ground, properly  
notched. from which  
a Juniper 5 pins. dia. to S. 52 1/2° E. 49 lbs dist.  
marked S. 12 N. R. 24 E. S. 1 B. S.  
Land mostly level  
Soil 1<sup>st</sup> and 2<sup>d</sup> rate  
Timber of Juniper.

3<sup>d</sup> Standard N. through Ray E.

chains

East on a random line  
on S. By of Sec. 36.Var.  $13^{\circ}39' E$ .

Over level land

13.00 Cross. Wash 26 lbs wide,  
course N.  $65^{\circ} W$ .33.00 Leave flat. bears N.  $W \times S. E.$   
& ascend40.00 Found no trace of old  $1/4$  sec.  
cor. Set temp  $1/4$  Sec. cor.78.00 Top of Ridge brs N.  $50^{\circ} W$ . &  
descend80.77 To a point 47 lbs South of  
old cor. to S.  $13^{\circ} N$ . Probably  
is a volcanic ash properly washed out from  
the ground with strong wind on E. side  
24 x 25' from which cor.  
I run S.  $89^{\circ}40' W$ . on a true  
line on S. B. Sec. 36.Var.  $13^{\circ}39' E$ .

40.38 Set a Sandstone 13 x 12 x 5 ins

3<sup>d</sup> Stand. N. through R. 24 E.

chain

9 ins. in the ground for  
Standard off sec. cor. marked  
S. off on N. face, dug pits 18 1/2  
12 ins. E. W. of stone 5 1/2 ft.  
dist. and raised a mound  
of earth 1 1/2 ft. high 3 1/2 ft.  
base alongside.

80.77 The cor. to Secs. 35 & 36  
Land level on W. half &  
Lilly on East.

Soil 1<sup>st</sup> and 2<sup>d</sup> out  
Timber of Spruce  
Vegetation Bunchgrass ✓  
The average course of the last 6 miles is  
~~N 89° 12' E + S. 89° 12' W.~~

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From the Standard  
cor. to Sp. 13 N. R. 24 & 25 E.  
3 mi East on a random  
line on S. By of sec. 31 ✓

3<sup>d</sup> Stand. N. through R. 25<sup>th</sup> E.

Chains

Var. 13° 56' E.

Descend

10.00 Cross Gulch 30 lbs wide, come  
N.W. and ascend

24.00 Top of Mesa to N. Ex S.W.

40.10 To a point 35 lbs South of  
old 1/4 sec. cor. which was  
volcanic stone 10 x 6 ins.  
set firmly in the ground  
properly marked with  
earth mound & pits  
Dredging Pits & set wild  
mound

Descend gradually

70.00 Enter Valley to West.

80.27 To a Point 57 lbs South of old  
cor. to Secs. 31 & 32. which is a  
Post in earth mound with  
pits, properly marked &

3<sup>d</sup> Stand. N. through R. 25<sup>th</sup> E.

chain

notches. from which a  
Juniper 8 in. dia. to S.  $23\frac{1}{4}^{\circ}$  W. 17<sup>th</sup> block  
marked S. 12 N. R. 25 E. S. 6 B. T.

Land level & rolling

Soil L & B & red

Timber of Juniper

Vegetation of Bunch grass.

East on a random line on  
S. By of sec. 32.

Cor.  $13^{\circ} 36' 8''$

Descend gradually

10.00 Enter Plat to N. W. S. E.

37.00 Paper spur to N.  $63^{\circ}$  W. and  
descend

40.28 To point 27 lbs South of  
old  $\frac{1}{4}$  sec. cor. which is  
a Sandstone 12 x 8 in. set ✓



3<sup>d</sup> Stand N. through D. 25 E.

Leaves

firmly in the ground,  
with stone mound. elongate  
Irebird mound,

41.10 cross Sag and ascend

46.00 Top of Mesa & descend

56.50 Enter Flat by N.S.

65.00 cross Wash 15 lbs wide corner  
N. 60° W.

70.00 Leave flat and ascend

80.75 To a point 52 lbs South of  
old cor. to Secs. 32 & 33 which  
is a limestone 14 x 12 in. set  
firmly in the ground, prop-  
erly notched, with stone  
mound on E. side, on  
top of spur, <sup>by N.S.</sup> Irebird  
mound.

Land level & rolling  
Soil 2<sup>d</sup> rate ✓

3<sup>d</sup> Stand. North through es E

Chains

Timber of Juniper  
Vegetation Bunchgrass.

Post on a random line out.  
South by a sec. 33.

Var.  $13^{\circ} 36' E$

Descend to Flat

- 10.00 Leave S. Flat brs Wash & ascend  
15.45 Cross Wash 18 lbs wide, course  
N.  $41^{\circ} W$ . and ascend  
21.00 Top of spur brs Wash and  
descend  
35.88 Cross Wash 15 lbs wide, course  
N and ascend  
40.12 Top point 37 lbs South of  
old  $1/4$  sec. cor. which is a  
limestone  $12 \times 12 \times 46$  in.  
set firmly in the ground

3<sup>d</sup> Stand. N. through R. 25 E.

chains

with stone mound along-  
side, I rebuilt mound  
52.50 Top of spur brs N. 50° E.  
S. 50° W. and descend  
80.37 Top print 57 lbs South of  
old cor. to Secs. 33 & 34.  
which is a lot properly  
marked and notched  
with pits and earth mound  
I redig pits and rebuilt  
mound.

Land rolling

Soil 3<sup>d</sup> rate

No timber. Good grass

East on a random line on  
S. By. of Sec 34.

Var. 13° 36' E.

3<sup>d</sup> Stand. N. through R. 25 E.

Chains

- Over rolling ground
- 21.40 Cross Wash 24 lbs wide course  
N. and ascend
- 40.40 To a point 49 lbs S. of old  $\frac{1}{4}$   
sec. cor. which is a  
post in earth mound  
with pits properly marked  
& redig pits & rebuild mound
- 61.80 Cross Wash 10 lbs wide, course  
N. and ascend
- 73.00 Top of spur to N. 37° W. and  
descend
- 80.82 To a point 47 lbs South of  
old cor. to Secs. 34 & 35.  
which is a post, with pits  
in earth mound, properly  
marked, & redig pits and  
rebuild mound,  
Land rolling ✓

3<sup>d</sup> Stand. N. through R. 25 E

chain

Soil 2<sup>d</sup> & 3<sup>d</sup> rate  
 Good grazing.

East on a random line  
 on S. By of sec 35.

Var.  $13^{\circ} 36' E$

Over rolling ground

9.35 Cross Wash 75 lbs widely  
 course N.  $54^{\circ} W$ . and  
 ascend

32.50 Top of spur N.  $46^{\circ} W$ .  
 and descend

40.60 To a point 60 lbs South of  
 old  $\frac{1}{4}$  sec. cor. which is  
 volcanic stone 16 x 6 ins.  
 set firmly in the ground  
 properly marked

3<sup>d</sup> Stand. N. through R. 25 E.

Lines

49.40 Cross Wash 15 lbs wide, course  
N.  $39\frac{1}{2}^{\circ}$  W.

53.00 Leave Sag course N.  $38^{\circ}$  W.  
and ascend

73.50 Top of ridge to N.  $30^{\circ}$  W.

80.93 To a Point 38 lbs S. of old  
cor. to Secs 35 & 36. which is  
an earth mound, with pits  
with stake in center of pit  
E of cor properly marked  
and notched. Dredging  
Pits and rebuild mound  
Sand Rolling.

Soil 2<sup>d</sup> rate  
Good grazing.

East on a random line  
on S. By of Secs 36.

3<sup>rd</sup> Stand. N. through R. 25 E.

Leins

Var.  $13^{\circ}36' E!$

- 6.90 Cross Sunnflake road, course  $S 71^{\circ} W.$
- 24.00 To old boring cor. to Sp 12 N. R. 25 & 26 E!
- 40.02 To a Point 76 lbs South of old 1/4 sec cor. which is a Sandstone  $8 \times 8$  ins. set firmly in the ground with stone mound along side, I rebuilt mound
- 46.10 Cross Sunnflake road course N  $70^{\circ} W.$
- 57.00 To top spur to W. and descend
- 80.20 To a point 67 lbs South of old cor. to Sp 13 N. R. 25 & 26 E. which is a post. in earth mound

3<sup>d</sup> Stand. N. through R 25 E.

chains

with pits, properly marked  
& notched, Loebig pits  
and rebuilt mound.

Land Rolling.

Soil 2<sup>d</sup> sat

Vegetation of Bunch-  
grass.

July 15, 1882.



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U. S. Surveyor General's Office,  
Tucson, Arizona, Feb. 7, 1883,

The foregoing Field Notes of the survey of

Retracing of 3<sup>rd</sup> Standard  
and Parallel North.

through Ranges 24 & 25 E,

of the Gila and Salt River Base and Meridian, Arizona,  
executed by \_\_\_\_\_,

D. S., under his contract of the \_\_\_\_\_ day of  
\_\_\_\_\_, 187\_\_\_\_, having been critically ex-

amined and the necessary corrections and explanations  
made, the said Field Notes and the surveys they de-  
scribe, are hereby approved.

J. W. Robinson

Surveyor General.