

1528

BOOK 1528

1528

= See Index =

Book 11

4-671

FIELD NOTES

GENERAL LAND OFFICE.

West boundary of Twp 21 S. R. 11 E.
and of the
Exterior boundaries of Twp 15 S. R. 11 E.
and
Exterior boundaries of Twp 15 S. R. 10 E.
of the State of Utah River, Indian
of Arizona Territory.

as surveyed by

Under his Contract No 2 Geo. J. Hooten
dated June 16th 1886. S. J. Hooten

Field Notes
 of the Survey of the
 West Boundary
 of
 T^p 21 S. R. 11 E.
 of the
 Gila and Salt River Meridian
 in the Territory of Arizona.

as surveyed by

George J. Roekrup
 U. S. Dep Surr^r

Under his contract No 2.

Dated 16th June 1886

Survey commenced 1st Dec^r 1886.

Survey completed. 1st Dec^r 1886.

For preliminary oath see Book 70^o 1.

West boundary of Tps 21 S, R 11 E

Chain

On the night of 30th Nov 1886 I took an observations on the Star polaris in accordance with instructions contained in the manual of surveys and drove pickets on the line thus established and find the Var. to be $12^{\circ}40' E$.

Survey commenced 1st Dec^r 1886 with a Young & Sons Solar Transit.

Before commencing this survey I test my compass on the line established last night and find it correct.

I begin at the cor to Tps 21 & 22 S, R's 10 & 11 E previously established and described by me and run

North bet Secs 31 & 36

Var $12^{\circ}40' E$.

Over rolling land.

40.00 Set a granite stone $12 \times 10 \times 6$ ins 8 in in the ground for $\frac{1}{4}$ sec cor. marked

West boundary of Tp. 21 S. R. 11 E - Continued

^{aim}
 $\frac{1}{4}$ on N. face, dug pits 18x18x12 ins N & S
 of stone 5 $\frac{1}{2}$ ft dia and raised a mound
 of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base along edge.

30.00 Set a Volcanic stone 12x8x6 ins. 8 ins in
 the ground for cor. to secs 25, 30, 31 & 36
 marked with ~~with~~ 1 notch on E and 5 notches
 on N. edges, dug pits 18x18x12 ins in each
 sec. 5 $\frac{1}{2}$ ft dia. and raised a mound
 of stone 2 ft high 4 $\frac{1}{2}$ ft base along side.

Land, gently rolling

Soil 3rd and 4th rate. Good grass.

No timber.

North bet Secs 25 & 30

Var. 12°40' E

Over gently rolling land

40.00 Set a granite stone 15x8x6 ins 10 ins in
 the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on

West boundary of T. 21 S. R. 11 E - Continued

Chains

W. face, dug pits $18 \times 18 \times 12$ ins N & S of stone $5\frac{1}{2}$ ft dist and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside

80.00 Set a granite stone $12 \times 8 \times 8$ ins. 8 ins in the ground for cor to secs 19, 24, 25 & 30 marked with 2 notches on S and 4 notches on N. edges dug pits $18 \times 18 \times 12$ ins in each sec $5\frac{1}{2}$ ft dist and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base alongside.

Land, gently rolling
Soil, 3^d and 4th rate. Good grass.
No timber

North bet Secs 19 & 24

Var $12^{\circ} 40' E$.

18.00 Road from Acivaca to Windmill Ranch and Tucson course $N 50^{\circ} E$ & $S. 50^{\circ} W$.

West boundary of T. 21 S. R. 11 E. - Continued

- 40.00 Set a granite stone 14 x 10 x 4 ins. 10 ins in
the ground for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{4}$ on
W. face, dug pits 18 x 18 x 12 ins. N & S of
stone 5 $\frac{1}{2}$ ft dia and raised a mound
of earth 1 $\frac{1}{2}$ ft high & 3 $\frac{1}{2}$ ft base along side.
- 59.00 Wash 20 lks wide, course N 30° E.
- 68.50 Wash 15 lks wide, course N. 60° E.
- 80.00 Set a quartz stone 15 x 14 x 10 ins 10 ins in
the ground for cor to secs 13. 18. 19 & 24
marked with 3 notches on N and S edges
dug pits 18 x 18 x 12 ins in each sec 5 $\frac{1}{2}$ ft
dia and raised a mound of earth
2 ft high 4 $\frac{1}{2}$ ft base along side.
Land gently rolling
Soil 3rd and 4th rate. Good grass.
No timber.

Great boundary of T. 21 S. R. 11 E. - Continued

Chains

North bet Secs 13 & 18

Var. $12^{\circ}40' E$.

Over gently rolling land.

40.00 Set a granite stone $10 \times 8 \times 8$ ins 7 ins in the ground for $\frac{1}{4}$ Sec cor marked $\frac{1}{4}$ on N face dug pits $18 \times 18 \times 12$ ins N & S of stone $5\frac{1}{2}$ ft diet and raised a mound of stone $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

48.00 Wash 50 lbs wide course $N 30^{\circ} E$.

64.00 Wash 20 lbs wide course $N 20^{\circ} E$.

80.00 Set a granite stone $18 \times 12 \times 6$ ins 12 ins in the ground for cor to secs 7. 12. 13 & 18 marked with 4 notches on S and 2 notches on N edges, dug pits $18 \times 18 \times 12$ ins in each sec $5\frac{1}{2}$ ft diet and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base along side

Land, rolling

Soil, 3^d & 4th rate Good grass.

No timber

West boundary of T. 21 S. R. 11 E - Continued.

Chains

North bet Secs 7 & 12

Var $12^{\circ}40'E$.

Over rolling land

- 40.00 Set a granite stone $14 \times 10 \times 8$ ins. 10 ins in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins N. & S of stone $5\frac{1}{2}$ ft dist and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside
- 57.00 Wash 40 lbs wide course $N. 45^{\circ} E$
- 80.00 Set a granite stone $12 \times 10 \times 10$ ins 8 ins in the ground for cor to secs 1-6. 7 & 12 marked with 5 notches on S and 1 notch on N edges, dug pits $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base alongside
- Land, rolling
Soil 3^d and 4th rate. Good grass
No timber

West boundary of T. 21 S. R. 11 E - continued

Chains

North bet Secs 1 & 6

Var. $12^{\circ}40' E$.

1700 Wash 30 lks wide course West

41 40.00. Set a granite stone $15 \times 12 \times 8$ ins 10 ins
 in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$
 on W. face, dug pits $18 \times 18 \times 12$ ins. N
 & S. of stone $5\frac{1}{2}$ ft dist, and raised
 a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base
 alongside. From which

46

60

80

A mesquite 4 ins. diam. bears $S. 87^{\circ} E 2200$
 dist marked $\frac{1}{4}$ S. B. T.

A mesquite 4 ins. diam bears $N. 73^{\circ} E 1376$
 dist. marked $\frac{1}{4}$ S. B. T.

77.30 Wash 150 lks wide course $N 80^{\circ} E$.

79.75. Intersect 4th Standard Parallel South
 10.15 chs West of the Standard Corner
 to T. 20 S. R's 10 & 11 E. which is a
 stone $10 \times 5 \times 5$ ins. above ground marked
 S.C. on N. with 6 notches on N. E & W.

West boundary of T. 21 S. R. 11 E. Continued

Chains

faces and with mound of stone alongside
From which

An oak 16 ins diam. bears $N 5\frac{1}{4}^{\circ} E$ 331 lks
dist. marked S. C. T. 20 S. R. 11 E. S. 31 BS.

An oak 14 ins. diam bears $N. 71\frac{3}{4}^{\circ} W.$ 215 lks
dist. marked S. C. T. 20 S. R. 10 E. S. 36 BS.

For the Closing Corner to Secs 1 & 6

T. 21 S. bet R's 10 & 11 E. I set a granite
stone $32 \times 14 \times 12$ ins 24 ins in the ground
marked C.C with 6 notches on S, E & W
edges, and raised a mound of stone
alongside. Pits impracticable

Land rolling

Soil 3^d & 4th rate. Good grass.

Timber a few oaks.

Note. My Closing Corner on the 4th
Standard Parallel South 10.15 chs West

West boundary of T. 21 S. R. 11 E - Continued

Cha Chains

of the cor. to Tps. 20 S. R's 10 & 11 E, shows a discrepancy in measurement of 10 chains & therefore run East along the 4th Standard Parallel South through Range 11 E and find that the mile on the South bdy. of sec 36 is only 70 chs, thus accounting for my closing 10.15 chs. West of the Tps. cor.

1st Dec^r 1886

General Description

Township 21 S. R. 11 E. contains a large quantity of grazing land. There are 3 ranches in the Western portion of the Tps. which were engaged in stock-raising. The Apache Indians made a raid through this section of country last summer killing one of the settlers and forcing the others to abandon their homes.

There is little farming land in this

West boundary of T. 21 S. R. 11 E. Continued

Township. - Also some mines in the South portion. This Township should be subdivided.

George Roskrige
U.S. Dep. Surv^r

Field Notes
of the
Survey of the Exterior Boundaries
of
T^p. 15 S. R. 11 E.
of the
Gila and Salt River Meridian
Arizona

as surveyed by
George J. Koskray
U. S. Dep. Surv^r

Under his Contract No 2.

dated June 16th 1886

Survey commenced Jan 25th 1887.
Survey completed Jan 26th 1887.

On Section lines through T. 15 S. R. 11 E - Continued
 chains

T. 15 R. 11 on N.

S. 34 on E and

S. 33 on W faces, with 3 notches on E & W edges. This post being very rotten I set a post 4 ft long 4 ins square with marked stone 12 ins in the ground, post marked

S. E. T. 15 S. R. 11 on N.

S. 34 on E and

S. 33 on W. faces with 3 notches on E & W edges, dug pits 18 x 18 x 12 ins. N. E. & W. of post, 5 1/2 ft dist. and raised a mound of earth 2 ft high 4 1/2 ft base around post.

Thence I run

North bet. Secs 33 & 34

Var 13° 05' E

Over level land

13.00 Arroyo 30 lks wide, course N 50° W.

40.00 Set a post 3 ft long 3 ins square with marked stone 12 ins in the ground for

On Section line through T. 15 S. R. 11 E. Continued

Cha

Chains

$\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18 X 18 X 12 ins N & S of post. 5 $\frac{1}{2}$ ft dist. and raised a mound of earth 1 $\frac{1}{2}$ ft high

41

3 $\frac{1}{2}$ ft base, around post.

79.00

Old road from Altav to Tucson ^{course} S. 80° W & N 80° E

80.00

Set a volcanic stone 15 X 8 X 8 ins 10 ins in the ground for cor to Secs 27, 28, 33 & 34 marked with 1 notch on S and 3 notches on E edges

42

dug pits 18 X 18 X 12 ins in each sec. 5 $\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft

61

high 4 $\frac{1}{2}$ ft base along side. From which

80

A mesquite 8 ins. diam. bears N 60° W. 234 the dist marked T. 15 S. R. 11 E. S. 28 & T.

No other trees within limits

Land level

Soil 2nd class. Good grass.

Timber, a few mesquite and palo verde.

On Section line through T. 15 S. R. 11 E - continued
chains

North bit Secs 27 & 28

NW $13^{\circ} 05' E$.

11.00 Over level land
Old road from Altar to Tucson Courthouse E & W.

40.00 Set a volcanic stone $14 \times 8 \times 6$ ins 10 ins in
the ground for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ on W
face, dug pits $18 \times 18 \times 12$ ins N & S of stone
 $5\frac{1}{2}$ ft dist. and raised a mound of earth
 $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

From which

A mesquite 8 ins diam bears S. $44^{\circ} W$. 170
lks dist. marked $\frac{1}{4}$ S. B. T.

A mesquite 6 ins diam. bears N. $45^{\circ} E$ 277
lks dist. marked $\frac{1}{4}$ S. B. T.

80.00 Set a volcanic stone $15 \times 10 \times 10$ ins 10 ins
in the ground for cor to Secs 21, 22, 27 & 28
marked with 2 notches on S and 3 notches
on E edges, dug pits $18 \times 18 \times 12$ ins in each
sec $5\frac{1}{2}$ ft dist. and raised a mound of
earth 2 ft high $4\frac{1}{2}$ ft base along side

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On Section lines through T. 15 S. R. 11 E - Continued

Cha

chains

Land level

Soil, 2^d rate Good grass

No timber.

4.

East on a true line bet Secs 22 & 27

Var 13° 05' E.

Over level land.

4. 40.00 Set a volcanic stone 13x10x6 ins 9 ins in
 6. the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on
 8. N. face, dug pits 18x18x12 ins E & W. of
 stone 5 $\frac{1}{2}$ ft diam and raised a mound of
 earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base along side.
- 80.00 Set a volcanic stone 16x16x5 ins 11 ins in
 the ground for cor to secs 22.23.26&27 marked
 with 2 notches on S and E edges, dug pits
 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft diam. and
 raised a mound of earth 2 ft high 4 $\frac{1}{2}$
 ft base along side From which

On Section lines through T. 15 S. R. 11 E - *Continued*

Chambers

A mesquite 3 ins. diam bears S. 29° W. 75 lks
 dist. marked T. 15 S. R. 11 E S. 27 1/2.

No other trees within limits.

Land level

Soil 2^d rate, Good grass.

Timber, a few mesquite.

East on a true line bet Secs 23 & 26

Dir. $13^{\circ}05'$ E.

Over level land.

40.00 Set a volcanic stone $14 \times 8 \times 6$ ins. 10 ins in
 the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on N
 face, dug pits $18 \times 18 \times 12$ ins. E & W. of stone
 $5\frac{1}{2}$ ft. dist. and raised a mound of earth
 $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

80.00 Set a volcanic stone $18 \times 6 \times 10$ ins. 12 ins in
 the ground for cor to secs 23. 24. 25 & 26
 marked with 2 notches on S and 1 notch on
 E edge, dug pits $18 \times 18 \times 12$ ins in each sec

On Section lines through T. 15 S R. 11 E - Continued

Cha

Chains

5½ ft dist. and raised a mound of earth 2 ft high 4½ ft base alongside.

Land level

4.

Soil, 2^d rate. Good grass.

Timber, scattering mesquite.

East on a true line bet Secs 24 & 25

4.

Var. 13° 05' E.

6.

Over level land.

80

40.00

Set a volcanic stone 14 x 6 x 6 ins. 10 ins in the ground for ¼ Sec cor. marked ¼ on N. face, dug pits 18 x 18 x 12 ins E & W of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside.

54.20.

Arroyo 30 lks wide course N.

80.00

Set a volcanic stone 16 x 12 x 5 ins. 11 ins in the ground for cor to secs 19. 24. 25 & 30 on the East boundary of Township on

On Section lines through T. 15 S. R. 11 E. - Continued.
Chain

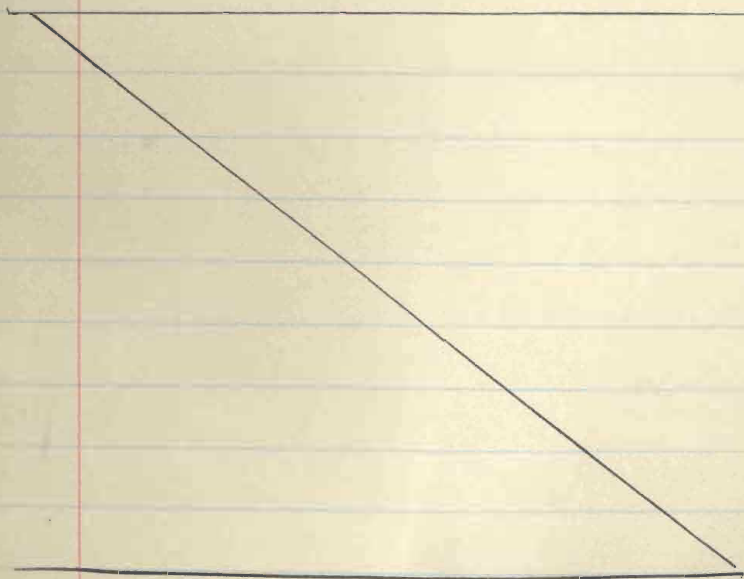
Range line bet. Ranges 11 & 12 E. marked with 2 notches on S and 4 notches on N edges, dry pits 18 X 18 X 12 ins in each sec.

5½ ft dist. and raised a mound of earth 2 ft high 4½ ft base along side.

Land, level.

Soil, 2^d rate. Good grass.

Timber scattering mesquite.



On Range line bet. R's 11 & 12 E

Cha

Chano

North bet. Secs 19 & 24

Var. $13^{\circ} 05' E$.

Over level land.

4. 40.00 Set a volcanic stone $14 \times 10 \times 4$ ins. 10 ins in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on W. face dug pits $18 \times 18 \times 12$ ins N & S. of stone $5\frac{1}{2}$ ft dist. and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.
4. 80.00 Set a volcanic stone $16 \times 8 \times 5$ ins 11 ins in the ground for cor to Secs 13, 18, 19 & 24 marked with 3 notches on N & S edges dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base along side. From which
6. A mesquite 4 ins. diam. bears N. $81^{\circ} W$. 208 lbs
dist. marked T. 15 S. R. 11 E. S. 13 B T.
8. A mesquite 5 ins. diam bears N. $57^{\circ} W$. 210 lbs
dist. marked T. 15 S. R. 11 E. S. 13 B T.
- No other trees within limits.

Over Range line bet R's 11 & 12 E - Continued.

Chains

Land, level

Soil 2^d rate. Good grass.

Timber, scattering mesquite.

North bet Secs 13 & 18

Var 13° 05' E.

Over level land.

40.00 Set a volcanic stone 14 x 12 x 4 ins. 10 ins in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on W face, dug pits 18 x 18 x 12 ins N & S of stone 5 $\frac{1}{2}$ ft diam. and raised a mound of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base along side.

80.00 Set a volcanic stone 16 x 10 x 8 ins. 11 ins in the ground for cor to secs 7, 12, 13 & 18 marked with 4 notches on S and 2 notches on N edge dug pits 18 x 18 x 12 ins in each sec. 5 $\frac{1}{2}$ ft diam. and raised a mound of earth 2 ft high 4 $\frac{1}{2}$ ft base along side.

On Range line bet Rio 11 & 12 E - Continued

Cha

chains

Land level

Soil 2^d rate. Good grass.

Timber, scattering mesquite.

4.

North bet Secs 7 & 12

Var 12° 05' E.

Over level land.

4.

10.70

Road from Altar and Quijotea to Tucuman

6.

course S. 65° W. & N. 65° E

8.

40.00

Set a post 3 ft long 3 ins. square with marked
stone 12 ins in the ground, for $\frac{1}{4}$ Sec. cor.marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 insN & S. of post 5 $\frac{1}{2}$ ft dist. and raised a
mound of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base around
post

80.00

Set a volcanic stone 14x10x6 ins. 10 ins in
the ground for cor to secs 1. 6. 7 & 12 marked
with 5 notches on S. and 1 notch on N edge.

Chambers
 On Range line bet No 11 & 12 E - Continued.

dug pits 18x18x12 ins. in each sec. 5½ ft
 dist. and raised a mound of earth 2 ft high
 4½ ft base alongside.

Land, level

Soil, 2^d rate. Good grass.

No timber.

North bet Secs 1 & 6

Var 13° 05' E.

Over level land

- 9.60. Telegraph line from Tucson to Quijotoa.
 course S. 65° W. & N. 65° E.
- 16.50 Arroyo 15 lks wide, course W.
- 17.50 Hay road course N 80° W. & S 80° E.
- 40.00 Set a post 3 ft long 3 ins. square with marked
 stone 12 ins in the ground, for ¼ Sec cor.
 marked ¼ S. on W. face, dug pits 18x18x12
 ins N & S of post 5½ ft dist. and raised

On Range line bet R's 11 & 12 E. Continued.

Cha

Chain

a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post

70.70 Arroyo 20 lks wide, course West.

80.00 Set a volcanic stone $20 \times 12 \times 6$ ins 15 ins in the

4.

ground for Clearing Cor. to Sp. 15 S. R. 11 & 12 E. marked C.C. with 6 notches on S. E & W.

edges, dug pits $24 \times 18 \times 12$ ins. crosswise on each line, S. E & W. of stone, 6 ft dist. and raised a mound of earth $2\frac{1}{2}$ ft high 5 ft base alongside. From which

4.

6.

8.

A mesquite 5 ins. diam. bears $N 42^{\circ} E$ 214 lks dist. marked T. 14 S. R. 12 E. S. 31 B.T.

No other trees within limits.

Land level.

Soil 2^d rate, Good grass.

Timber, some scattering mesquite and brush, last $\frac{1}{2}$ mile.

25 Jan'y 1887.

On Range line bet R's 10 & 11 E.
 Chain

When Deputy McLaughlin ran the 3^d Standard South through Range 10 E. he established the Standard cor. to Tp 15 S. R's 10 & 11 E at a point S. $39\frac{1}{2}^{\circ}$ W 4.54 chs dist. from the Standard Corner to Tp 15 S. R's 10 & 11 E. previously established by S. W. Foreman in the year 1870. The cor. established by S. W. Foreman consists at present of only about 18 ins of the top of a post, the balance being rotted off, the pits are dim but by close inspection could be traced; post marked

S. C. LXXV on N

R. XI SXXXI on E and

R. X (XXXVI) on W. face with 6 notches on N-E & W. edges.

I send the top of the post to the U. S. Surveyor General and set a volcanic stone 20 x 8 x 6 ins 15 ins in the ground marked S. C.

On Range line bet R's 10 & 11 E - continued

Chains
 with 6 notches on N. E & W. edges, dug pits 24 x 18 x 12 ins. crosswise on each line, N. E & W of stone 6 ft dist, and raised a mound of earth 2½ ft high 5 ft base along side.

This is the cor that was closed on by Deputy L. A. Wolfley when engaged in running the Second Guide Meridian South and closing on the 3^d Standard South.

I now run

North bet R's 10 & 11 E previously established by S. W. Foreman but failing to find any trace of the corners on this line I return to the Standard Corner established by Deputy McLaughlin which is described in the field notes as a post with pits. I find the pits but no post and set a volcanic stone 20 x 10 x 10 ins. marked S.C. on it with 6 notches on N. E & W. edges, dug pits 24 x 18 x 12 ins crosswise on each

On Range line bet R's 10 & 11 E - Continued

line, N-E & W. of stone 6 ft dist, and raised a mound of earth $2\frac{1}{2}$ ft high 5 ft base alongside.

Deeming it for the best interests of the public service to throw the Excess caused by the difference in these 2 Standard corners into the Western tier of sections of T. 50 N. R. 11 E.

I begin at the cor. just described as established by Deputy McLaughlin and run North on Range line bet Secs 31 & 36.

Var $13^{\circ}05' E$.

Over level land.

From Standard cor. established by Deputy McLaughlin, the Standard corner established by Deputy S. W. Foreman and closed on by Deputy L. A. Wolfley in running the 2^d Guide Meridian South bears N. $39\frac{1}{2}^{\circ} E$. 454 lks dist.

25.30 Old road from Altar to Tucson corner N $80^{\circ} E$

On Range line bet R's 10 & 11 Continued

Ch

chains

& S. 80° W.

40.00 Set a volcanic stone 15 x 8 x 8 ins 10 ins
in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$
4 on W face, dug pits 18 x 18 x 12 ins N &
S. of stone 5 $\frac{1}{2}$ ft dist and raised a
mound of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft
base along side.

80.00 Set a volcanic stone 16 x 10 x 8 ins 11 ins
in the ground for cor to secs 25. 30. 31 &
36 marked with 1 notch on S and 5
6. notches on N. edges dug pits 18 x 18 x 12 ins
8. in each sec. 5 $\frac{1}{2}$ ft dist. and raised a
mound of earth 2 ft high 4 $\frac{1}{2}$ ft base
along side

Land, level

Soil, 2^d rate. Good grass.

No timber

On Range line bet R's 10 & 11 E - Continued

Chains

North bet Secs 25 & 30

Var. $13^{\circ} 05' E$.

Over level land.

40.00 Set a volcanic stone $16 \times 10 \times 8$ ins 11 ins in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins N & S of stone $5\frac{1}{2}$ ft diet. and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside.

40.30 Road from Altar and Quijotoa to Tucson course N. $65^{\circ} E$ and S $65^{\circ} W$.

80.00 Set a volcanic stone $18 \times 10 \times 8$ ins 12 ins in the ground for cor. to secs 19, 24, 25 & 30 marked with 2 notches on S and 4 notches on N. edges, dug pits $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$ ft diet and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base alongside.

Land, level

On Range line bet R's 10 & 11 E - Contained

Ch

Chano

Soil 2^d rate. Good grass.

No timber.

4

North bet Secs 19 & 24.

Var. $13^{\circ} 05' E$.

Over level land.

16.50 Old road, course $N 45^{\circ} W$. & $S 45^{\circ} E$.

4. 28.50. Telegraph line from Tucson to Quijoto a

6. course $N. 70^{\circ} E$ & $S. 70^{\circ} W$.

8. 40.00 Set a volcanic stone $15 \times 8 \times 6$ ins. 10 ins in
the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W.
face dug pits $18 \times 18 \times 12$ ins N. & S. of stone
 $5\frac{1}{2}$ ft dist. and raised a mound of earth
 $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside.

80.00 Set a volcanic stone $16 \times 10 \times 8$ ins 11 ins in
the ground for cor to secs 13. 18. 19 & 24
marked with 3 notches on N & S edges
dug pits $18 \times 18 \times 12$ ins in each sec $5\frac{1}{2}$ ft

Over Range line bet. R's 10 & 11 E. Continued
 chains

dist. and raised a mound of earth 2 ft
 high $4\frac{1}{2}$ ft base alongside.

Land level.

Sail 2^d rate. Good grass.

No timber.

North bet Secs 13 & 15.

Var. $13^{\circ}05'E$.

Over level land.

2.00 Hay road course E & W.

40.00 Set a volcanic stone $16 \times 7 \times 5$ ins 11 ins
 in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$
 on W. face dug pits $18 \times 18 \times 12$ ins. N & S
 of stone $5\frac{1}{2}$ ft dist. and raised a
 mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base
 alongside.

80.00 Set a volcanic stone $16 \times 10 \times 6$ ins. 11 ins
 in the ground for cor to secs 7, 12, 13 & 18

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On Range line bet R's 10 & 11 E - Continued

Chains

marked with 4 notches on S and 2 notches
on E edges, dug pits 18 x 18 x 12 ins in each
sec. 5 1/2 ft dist. and raised a mound
of earth 2 ft high 4 1/2 ft base alongside.

4

Land level

Soil 2^d rate. Good grass.

No timber

4

6

North bet Secs 7 & 12.

8

Var 13° 05' E.

Over level land.

40.00 Set a volcanic stone 14 x 10 x 8 ins 10 ins
in the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on
N. face, dug pits 18 x 18 x 12 ins. N & S.
of stone 5 1/2 ft dist and raised a
mound of earth 1 1/2 ft high 3 1/2 ft base
alongside.

80.00 Set a volcanic stone 15 x 12 x 8 ins 10 ins

On Range line bet R's 10 & 11 E. - Continued
 Chain

in the ground for cor to secs 1, 6, 7, & 12
 marked with 1 notch on N and 5 notches
 on S. edges, dug pits 18 X 18 X 12 ins in
 each sec. 5½ ft diam. and raised a mound
 of earth 2 ft high 4½ ft base alongside
 Land, level

Soil 2^d rate, Good grass.

No timber.

North bet Secs 1 & 6.

Var 13° 05' E.

Over level land.

40.00 Set a volcanic stone 20 X 10 X 8 ins 15 ins
 in the ground for ¼ Sec. Cor. marked
 ¼ on W. face, dug pits 18 X 18 X 12 ins
 N & S. of stone 5½ ft diam, and
 raised a mound of earth 1½ ft high
 3½ ft base alongside.

On Range line bet R's 10 & 11 E. - Continued

- Chemo
74.00 Wood or Hay road, course N. 30° W. & S 30 W.
- 80.00 Set a volcanic stone 18 x 14 x 12 ins 12 ins in
the ground for Corner to Townships 14 & 15 E.
R's 10 & 11 E., marked with 6 notches
on each edge. Set pits 24 x 18 x 12
ins. lengthwise on each line, N. & S. & W. of
stone 6 ft dist. and raised a mound
of earth 2 1/2 ft high 5 ft base alongside.
4. Land level.
6. Soil 2^d rate Good grass.
8. No timber.

North boundary of T. 15 S. R. 11 E.

From the cor. to Tps 14 & 15 S. R's 10 & 11 E
 Run E. on a random line, between said
 Townships, the variation of my compass
 being $13^{\circ}05'$ E. I set temporary $\frac{1}{2}$ mile and
 mile corners at each 40 and 60 chs and
 find the Tps line to be 6 miles 2 chs 47 lks
 long and the falling to be 308 lks South of
 the cor. to Tps 14 & 15 S. R's 11 & 12 E. The
 correction for the true line will therefore
 be 51 lks North and 2.47 chs East per
 mile, and its course will be $S. 89^{\circ}38' W.$

From the cor. to Tps 14 & 15 S R's 11 & 12 E.
 previously established and described by
 me I run

$S. 89^{\circ}38' W.$ on a true line bet Secs 18 & 36.

Var. $13^{\circ}05'$ E.

Over level ground.

21.00 Wash 10 lks wide, course $S. 50^{\circ} W.$

38.00 Wash 10 lks wide, course $N. 60^{\circ} W.$

North boundary of T. 15 S. R. 11 E - Continued

Ch

chains

40.00 Set a post 3 ft long 3 ins. square with marked stone 12 ins. in the ground for $\frac{1}{4}$ sec. marked $\frac{1}{4}$ Sec. N. face dug pits 18 x 18 x 12 ins. E & W. of post $5\frac{1}{2}$ ft dist, and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post. From which. A mesquite 4 ins. diam. bears N. 5° W. 47 lks dist. marked $\frac{1}{4}$ S. B. F.

4

A mesquite 5 ins. diam bears N. 88° E 70 lks dist. marked $\frac{1}{4}$ S. B. F.

6

8

80.00 Set a volcanic stone 20 x 12 x 4 ins 15 ins in the ground for cor to secs 1. 2. 35 & 36 marked with 1 notch on E and 5 notches on W. edges dug pits 18 x 18 x 12 ins in each sec $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base alongside.

5 d level.

Soil 2^d rate. Good grass

North boundary of T. 15 S. R. 11 E. - Continued

Chains

Timber, a few mesquites.

S. $89^{\circ}38'N$. on a true line bet Secs 2 & 35
 Var. $13^{\circ}05'E$

Over level land.

40.00 Set a post 3 ft long 3 ins square with
 marked stone 12 ins in the ground for
 $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ S. on N. face
 dug pits $18 \times 18 \times 12$ ins E & W. of stone
 $5\frac{1}{2}$ ft dist. and raised a mound of
 earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post

65.00 Old road, ^{cross} N. $50^{\circ}W$ & S. $70^{\circ}E$.

80.00 Set a volcanic stone $15 \times 15 \times 6$ ins 10 ins
 in the ground for cor to secs 2, 3, 34 & 35
 marked with 2 notches on E and 4 notches
 on W. wedges dug pits $18 \times 18 \times 12$ ins in
 each sec. $5\frac{1}{2}$ ft dist. and raised a
 mound of earth 2 ft high $4\frac{1}{2}$ ft base

North boundary of T. 15 S. R. 11 E - Continued

On Chains

alongside.

Land, level

Soil 2^d rate. Good grass.

4

No timber.

S. $89^{\circ}38'$ W. on a true line bet Secs 3 & 34.

Var. $13^{\circ}05'$ E.

4

Over level land.

6

40.00 Set a volcanic stone 15 X 7 X 6 ins 10 ins

8.

in the ground for $\frac{1}{2}$ Sec cor. marked $\frac{1}{4}$ on N. face, dug pits 18 X 18 X 12 ins E & W. of stone $5\frac{1}{2}$ ft dist. and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

80.00

Set a volcanic stone 17 X 15 X 8 ins 12 ins in the ground for cor to secs 3, 4, 33 & 34 marked with 3 notches on E & W. edges, dug pits 18 X 18 X 12 ins in each sec. $5\frac{1}{2}$ ft

North boundary of T. 15 S. R. 11 E. - Continued.

Cham.

dist. and raised a mound of earth 2 ft high 4½ ft base alongside. From which a mesquite 6 ins. diam. bears N. 62° E. 180 lks dist marked T. 14 S. R. 11 E. S. 34 B T.

A mesquite 3 ins. diam bears S. 54° E 124 lks dist. marked T. 15 S. R. 11 E. S. 3 B T.

No other trees within limits

Land, level.

Soil 2^d rate. Good grass.

Timber a few mesquite.

S. 89° 38' W. on a true line bet Secs 4 & 33.

Var. 13° 05' E.

Over level land

40.00 Set a post 3 ft long 3 ins. square with marked stone 12 ins in the ground for ¼ Sec cor. marked ¼ S. on N. face dig pits 18 x 18 x 12 ins. E & W. of stone 5½ ft

North boundary of T. 15 S R. 11 E - Continued

Name

dist. and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post.

80.00

Set a volcanic stone $16 \times 8 \times 6$ ins 11 ins in the ground for cor to secs 4, 5, 32 & 33.

marked with 4 notches on E and 2 notches on W. edges; dug pits $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$ ft dist, and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base along side.

Land, level

Soil 2^d rate, Good grass.

No timber, considerable brush along line

S. $89^{\circ} 38' W.$ on a true line bet Secs 5 & 32.

Var. $13^{\circ} 05' E.$

Over level land.

40.00

Set a volcanic stone $14 \times 8 \times 6$ ins. 10 ins in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{2}$ on N. face dug pits $18 \times 18 \times 12$ ins E & W

North boundary of T. 15 S. R. 11 E. - Continued.

Chains

of stone $5\frac{1}{2}$ ft dist and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base alongside.

80.00 Set a volcanic stone $15 \times 8 \times 6$ ins. 10 ins in the ground for cor to secs. 5, 6, 31 & 32. marked with 5 notches on E and 1 notch on W. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high $4\frac{1}{2}$ ft base alongside.
Land, level.

Soil 2^d rate. Good grass.

No timber, thick brush.

S. $89^{\circ} 38'$ W. on a true line bet Secs 6 & 31

Var. $13^{\circ} 05'$ E.

Over level land.

40.00 Set a post 3 ft long 3 ins. square with marked stone 12 ins in the ground for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S. on N. face

North boundary of T. 15 S. R. 11 E - Continued
Chains

dug pits 18 x 18 x 12 ins E & W. of stone $5\frac{1}{2}$ ft
dist and raised a mound of earth $1\frac{1}{2}$ ft
high $3\frac{1}{2}$ ft base around post.

82.47 The cor to Tps 14 & 15 S. R's 10 & 11 E.

Land, level

Soil, 2^d rate Good grass.

No timber, thick brush.

Jan 26th 1887.

General Description

All of this Township is a level plain covered
with grass. The soil is 2^d rate and only
water is needed to produce excellent crops

Timber consists of a few isolated trees

Meisk & Driscoll have a well sunk in Sec 17

from which water is raised by a steam pump

They have erected good substantial
buildings and are engaged in stock raising

George Roskrug
U. S. Dep. Secy.

Field Notes
of the Survey of the
Exterior Boundaries
of
Township 15 South, Range 10 East
of the
Gila and Salt River Meridian
Arizona

as surveyed by
George J. Koskrug
Dep. Surv^r

Under his Contract No. 2.

Dated June 16th 1886.

Survey commenced Jan 27th 1887.

Survey completed Jan 27th 1887.

Extensions Tps 15 S. R. 10 E.

Chaus

On the night of Jan 26th 1887.
I took an observation on the Star Polaris
in accordance with instructions contained
in the manual of surveys and drove
pickets on the line thus established and
found the Variation to be $13^{\circ}05'E$.

Survey commenced Jan 27th 1887.
with a Young & Lown Solar Transit
Before commencing this Survey I test
my compass on the line established
last night and find it correct.

I begin at the Standard corner
to Tps 15 S R. 9 & 10 E where I found
a rotten post $3 \times 3 \times 30$ in. long marked
S. Corner.

R 10 E S 31 on W.

T. 15 S. R 10 E S. 32 on E. with 3 notches
on the E and 1 notch on Wedges.

This post is wrongly marked, as

Exteriors Sp. 15 S. P. 106. — Continued

the cor is a Sp. cor. and is as described
in McLaughlin's field notes

I now set a volcanic stone $22 \times 8 \times 8$ in
16 ins. in the ground marked

SE on N with 6 notches on N. E &
W. edges. and renew mound and pits
I now run

North bet Secs 31 & 36

Ver. $13^{\circ} 05' E.$

Over level land

27.00 Leave level land and enter low volcanic
hills

40.00 Set a volcanic stone $16 \times 12 \times 5$ in 12 ins
in the ground for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ on W. face, and raised a mound
of stone alongside. Pits impracticable
From which

A palo verde 4 ins. diam bears $S 89^{\circ} E 19$ lks
dist. marked $\frac{1}{4}$ R.B.F.

Exterior T_p 15 S. R. 10 E. Continued

Chans

A palo verde 6 ins. diam bears N. 53° E. 105 lbs
dist marked $\frac{7}{4}$ S B F.

75.00 Line runs up over rocky volcanic hills

80.00. Set a volcanic stone 20 x 10 x 10 ins
15 ins. in the ground for cor to sec
25.30. 31 & 36 marked with 1 notch on
S, and 5 notches on N edges, and raised
a mound of stone alongside. Pits
impracticable.

From which

A palo verde 8 ins diam bears S. 88° E.

110 lbs dist. marked T. 15 S. R. 10 E S. 31 B F.

A palo verde 6 ins. diam bears N. 26° W. 54 lbs

dist. marked T. 15 S. R. 9 E S. 25 B F.

No other trees within limits.

Land level for 27 chs, balance volcanic hills

Soil, 2^d rate for 27 chs, balance 4th rate

Timber, a few palo verdes.

Extremes Sp. 15 S. R. 10 E. - Continued

chains

North bet Secs 25 & 30

Var 13° 05' E.

Ascending from cor.

- 2.00 Summit of volcanic hill bearing E & W
300 ft high and descend.
- 34.00 Foot of hill and enter level land.
- 40.00 Set a volcanic stone 20 X 15 X 10 ins 15 ins
in the ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on
W. face, dug pits 18 X 18 X 12 ins N & S of
stone 5 $\frac{1}{2}$ ft dist and raised a mound
of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base along side.
- 76.00 Arroyo 30 lbs wide, course E.
- 80.00 Set a volcanic stone 15 X 12 X 8 ins. 10 ins
in the ground for cor. to secs 19. 24. 25
& 30, marked with 2 notches on S and
4 notches on N. edges, and raised
a mound of stone along side. Pits
impracticable

From which

Exteriors T_p. 15 S. R. 10 E. Continued

Chains

A palo verde 6 ins. diam bears S. 72° E.

30 lks dist. marked T. 15 S. R. 10 E. S. 30 B.S.

A palo verde 6 ins. diam bears N 8° W. 148 lks

dist marked T. 15 S. R. 9 E. S. 24 B.S.

A palo verde 6 ins. diam. bears S. 46° E 99 lks

dist. marked T. 15 S. R. 10 E. S. 30 B.S.

A palo verde 6 ins diam bears N. 62° W. 107 lks

dist. marked T. 15 S. R. 9 E. S. 24 B.S.

Land, rough and rocky for 34 chs. balance level.

Soil, 1st rate for 34 chs, balance 3^d rate.

Timber, scattering palo verde & Iron wood.

North bet Secs 19 & 24

Var 13° 05' E.

Over gently rolling land.

24.00 Arroyo 20 lks wide, course N. 60° E.

70.00 Set a volcanic stone 24 x 18 x 12 ins

Exteriors Sp. 15 S. R. 10 E. - Continued

Chains

16 ins in the ground for $\frac{1}{4}$ sec cor. marked
 $\frac{1}{4}$ on W. face, and raised a mound
of stone along side. Pits impracticable
From which

A palo verde 6 ins. diam bears N 52° E 100 lbs
dist. marked $\frac{1}{4}$ S. B. F.

A palo verde 6 ins. diam bears N 20° E 79 lbs
dist. marked $\frac{1}{4}$ S. B. F.

74.00 Arroyo 20 lbs wide, course East.

80.00 Set a volcanic stone 20 X 12 X 6 ins
15 ins. in the ground for cor. to secs
13. 18. 19 & 24 marked with 3 notches
on S and N. edges and raised a
mound of stone along side, pits
impracticable

From which

A palo verde 4 ins. diam bears N 55° E
23 lbs dist. marked T. 15 S. R. 10 E S. 18 B. F.

A palo verde 6 ins diam bears N. 32° E

BOOK 1528

Extremity Edys Sp 15 S. R 10 E - Continued

Chans.

84 lbs diet. marked F. 15 S. R. 10 E. S. 18 1/3 J.

A palo verde 4 ins. diam bears N. 35° E

172 lbs diet. marked F. 15 S. R. 10 E S. 18 1/3 J.

A palo verde 4 ins. diam bears N. 20° E 180 lbs

dist. marked F. 15 S. R. 10 E. S. 18 1/3 J.

Land gently rolling.

Soil 3rd rate

Timber, palo verde, and Ironwood.

North bet Secs 13 & 18.

Var. 13° 05' E.

Over rolling land.

36.00 Ravine 4 ft deep course E.

40.00 Set a volcanic stone 15 x 10 x 6 ins. 10 ins
in the ground for $\frac{1}{4}$ Sec. cor. marked
 $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins.
N & S of stone 5 $\frac{1}{2}$ ft dist. and raised
a mound of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft

Exterior Body T. 15 S. R. 9 E. ^{BOOK 1528} - Continued

bars alongside.

80.00 Set a volcanic stone $22 \times 7 \times 4$ ins 16 ins
in the ground for cor to secs 7, 12, 13 & 18
marked with 4 notches on S. and 2 notches
on N. edges, dug pits $18 \times 18 \times 12$ ins. in
each sec $5 \frac{1}{2}$ ft dist. and raised a mound
of earth 2 ft high $4 \frac{1}{2}$ ft base alongside
From which

A mesquite 8 ins. diam bears S. 37° W. 81 lks
dist. marked T. 15 S. R. 9 E. S. 13 B. T.

A mesquite 8 ins. diam. bears S. 74° W. 166 lks
dist. marked T. 15 S. R. 9 E. S. 13 B. T.

A mesquite 6 ins. diam bears S. 76° W. 222 lks
dist. marked T. 15 S. R. 9 E. S. 13 B. T.

A mesquite 4 ins. diam bears N. 80° W.
74 lks dist. marked T. 15 S. R. 9 E. S. 12 B. T.

Land rolling

Soil 3^d rate. Good grass.

Timber, palo verde and mesquite.

chains
 Exterior Boundary T-15 S. A10 E - Continued

North bet Secs 7 & 12

Var $13^{\circ} 05' E$.

Over rolling ground.

40.00 Set a volcanic stone $20 \times 12 \times 8$ ins 15 ins
 in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$
 on W. face, dug pit $18 \times 18 \times 12$ ins N. & S.
 of stone $5\frac{1}{2}$ ft dist and raised a mound
 of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft here alongside.

From which

A mesquite 6 ins diam. bears $S. 76^{\circ} E 77\frac{1}{2}$ ft.
 dist. marked $\frac{1}{4}$ S. B. F.

A mesquite 10 ins. diam. bears $S 60^{\circ} E$.
 286 lbs dist. marked $\frac{1}{4}$ S. B. F.

41.00 Arroyo 30 lbs wide course $S. 40^{\circ} E$.

80.00 On south slope of little volcanic hill
 set a volcanic stone $24 \times 16 \times 12$ ins
 18 ins. in the ground for cor to
 secs. 1. 6. 7. & 12. marked with 5
 notches on S and 1 notch on E edges