

~~1512~~

1512

1512

BOOK 1512

~~Book V~~
4-671

FIELD NOTES

GENERAL LAND OFFICE.

- Exterior boundaries T. 21 S. R. 9 E. *Continued*
- Exterior boundaries T. 21 S. R. 8 E.
- Exterior boundaries T. 22 S. R. 8 E.

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BOOK 1512

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Exteriors T. 21 S. R 9 E - continued

Thais

49.00

Well of water 1 ch South of line.

57.50

Leave stone corral; the house of Ramos Carillo built of stone bears N. 87 $\frac{1}{2}$ ° W 32.70 chs. dist.

80.00

Set a granite stone 15 x 10 x 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. edges dry 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 along side. Land rough and mountainous 40 chs balance rolling.

Soil mineral and 4th class on rolling land.

Timber scattering oak & mesquite.

Exteriors T. 21 S. R. 9 E - Continued
 chains

West on a true line bet Secs 3 & 34
 Var $12^{\circ}40' E$.

Over rolling land.

- 3-80 Wash 30 lks wide course N.
- 23.50 Wash 15 lks wide course N.
- 40.00 Set a granite stone $15 \times 6 \times 6$ 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 granite stone $16 \times 12 \times 8$ ins
 11 ins. in the ground for cor to secs
 3, 4, 33, & 34 marked with 3 notches
 on E & 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.
 From which

Exteriors T. 21 S. R 9 E - Continued

Thams

A mesquite 8 ins. diam bears S. 10° W.
92 lks dist marked T. 22 S. R 9 E S. 4 BT

A mesquite 8 ins diam bears S. 15° E 75
lks dist. marked T. 22 S. R 9 E S. 3 BT

A mesquite 10 ins. diam bears S. 42° E.
87 lks dist. marked T. 22 S. R 9 E S. 3 BT

A mesquite 8 ins diam bears N. 87° E.
147 lks dist. marked T. 24 S. R 9 E S. 34 BT

Land rolling

Soil 4th rate

Timber scattering mesquite.

West on a true line bet Secs 4 & 33

Var. 12° 40' E.

Over rolling land

1.00 Wash 50 lks wide, course N 40° W.

24.00 Wash 20 lks wide course North

39.50 Wash 20 lks wide course N.

Exteriors T. 21 S. R. 9 E. Continued

Chains

40.00 Set a granite stone $18 \times 12 \times 4$ ins 12 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 alongside.

62.00 Wash 30 lks wide course N. 30° W.

80.00 Set a slate stone $20 \times 6 \times 6$ ins 15 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 alongside

From which

A mesquite 6 ins. diam bears N. 79° E.

94 lks dist marked T. 21 S. R. 9 E. S. 33 BT

A mesquite 8 ins. diam bears N. 6° W.

196 lks dist. marked T. 21 S. R. 9 E. S. 32 BT

Exteriors T. 21 S. R. 9 E - Continued.

chains

No other trees within limits.

Land rolling

Soil 3^d rate, good grass.

Timber scattering mesquite.

Nest on a true line bet Secs 5 & 32.

Var. $12^{\circ}40'6''$.

Over rolling land.

9.50 Wash 15 lbs course N. $30^{\circ}6''$.

34.00 Wash 15 lbs course N. $30^{\circ}6''$.

40.00 Set a granite stone $20 \times 12 \times 4$ ins. 15 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 alongside.

73.80 Wash 10 lbs wide course N. $10^{\circ}6''$.

80.00 Set a granite stone $16 \times 8 \times 6$ ins 11 ins
in the ground for cor to Secs 5. 6. 31

Exteriors T. 21 S. R. 9 E - Continued.

Chaus.

and 32. marked with 5 notches on E and 1 notch on W. edges, dug pits 15 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 rolling

Soil 3^d rate good grass.

Timber a few mesquites at East end of line.

West on a true line bet Secs 6 & 31
 Ver. $12^{\circ}40'E$.

Over rolling land.

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

40.00 Set a granite stone 15 X 10 X 8 ins
 10 ins in the ground for $\frac{1}{4}$ Sec cr.
 marked $\frac{1}{4}$ on N. face dug pits 18
 X 18 X 12 ins E & W. of stone 5½ ft

Extremes T. 21 S. R. 9 E. - Continued

Chains

dist. and raised a mound of earth
1½ ft high 3½ ft base alongside.

80.00 Set a quartz stone 14 x 10 x 6 ins 10 ins
in the ground for cor to Tps 21 & 22 S
R's 8 & 9 E. marked with 6 notches on
each edge, dug pits 24 x 18 x 12 ins length
wise on each line N. S. E & W. of stone
6 ft dist. and raised a mound of
earth 2½ ft high 5 ft base alongside.
Land rolling
Soil 3^d rate, good grass.
No timber.

By observation taken this day I find
the magnetic var. to be 12° 40' E.

From the cor to Townships 21 & 22 S.
R's 8 & 9 East previously established

Exteriors T. 21 S. R 9 E - Continued
 Chan

and described by me I run
 North bet Secs 31 & 36

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

Over rolling land.

- 20.00 Wash 20 lbs wide, course $N 40^{\circ} W$.
- 25.00 Wash 15 lbs wide course $N 40^{\circ} W$.
- 40.00 Set a quartz stone $12 \times 12 \times 8$ ins 8 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 stone $1 \frac{1}{2}$ ft high $3 \frac{1}{2}$ ft
 base alongside.
- 42.00 Wash 10 lbs wide course $N. 45^{\circ} W$.
- 80.00 Set a granite stone $18 \times 14 \times 8$ ins 12 ins
 in the ground for cor to secs 25-30-31
 & 36 marked with 5 notches on N
 and 1 notch on S. edges, dug pits 18×18
 $\times 12$ ins in each sec $5 \frac{1}{2}$ ft dist. and
 raised a mound of earth 2 ft high

Extremities T. 21 S. R 9 E. - Continued

4½ ft base alongside.
 Land rolling
 Soil 3^d rate, good grass.
 No timber.

North bet Secs 25 & 30

Var 12° 40' E.

Over rolling land.

- 20.70 Wash 50 lbs wide, course N 45° W.
- 40.00 Set a quartz stone 14 X 10 X 8 ins 10 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 dist and raised
 a mound of earth 1½ ft high 3½ ft
 base alongside.
- 80.00 Set a volcanic stone 15 X 12 X 10 ins
 10 ins. in the ground for cor to sec
 19. 24. 25 & 30 marked with 4 notches

Exterior T. 21 S. R. 9 E - Continued

Chau

on N and 2 notches on S. 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

Land rolling

Soil 3rd rate, good grass.

No Timber.

North bet Secs 19 & 24

Var. 12° 40' E.

Over rolling land

30.30. Road from the St Louis ranch to
 the Altar & Tucson road, course E & W

40.00 Set a granite stone 17 x 14 x 10 ins 12
 ins in the ground for 1/4 Sec cor.
 marked 1/4 on W. face, dug pits 18
 x 18 x 12 ins N & S. of stone 5 1/2 ft
 dist. and raised a mound of

Exteriors T. 21 S. R 9E Continued
 Chanos

earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

From which

"Huajeta" spring with pump bears S 31°

E. 11.25 chs. dist.

40.30 Enter wash 50 lks wide coming from
 S 30° E and line runs along it.

53.00. Leave wash 50 lks wide course N 45° W.

57.50 Wash 20 lks wide, course N 60° W.

80.00 Set a granite stone $15 \times 12 \times 10$ ins. 10 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 alongside.

Land rolling

Soil 2^d & 3^d rate, good grass.

Timber a few mesquites and hackberry

Exteriors P. 21 S. R & E. Continued
 there.

North bet Secs 13 & 18

Var 12° 40' E.

Over rolling land.

3.00 Wash 10 lks wide, course S. 45° W.

40.00 Set a volcanic stone 16 x 10 x 8 ins
 11 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 alongside.

80.00 Set a volcanic stone 15 x 12 x 8 ins
 10 ins in the ground for cor to Secs
 7, 12, 13 & 18 marked with 2 notches
 on N. and 4 notches on S 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.

Land rolling

Soil 2^d and 3^d rate, good grass

~~Exteriors P. 21 S. R & E Continued.~~

~~thence~~
No timber.

North bet Secs 7 & 12.

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

Over rolling land.

40.00 Set a volcanic stone $24 \times 16 \times 12$ ins
18 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.

40.10 Road from Arivaca to Alter and
Tucson course E & W.

80.00 Set a birch stone $20 \times 14 \times 10$ ins 15 ins
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 18×18
 $\times 12$ ins in each sec. $5\frac{1}{2}$ ft dist
and raised a mound of earth 2 ft

Exterior T. 21 S. R 9 E - Continued
 Chaus.

high $4\frac{1}{2}$ ft base alongside.

Land gently rolling

Soil 2^d and 3^d rate, good grass

No timber

North bet Secs 1 & 6.

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

Over gently rolling land.

40.00 Set a granite stone $12 \times 10 \times 8$ ins
 8 ins in the ground for $\frac{1}{4}$ Sec cor.
 marked $\frac{1}{4}$ on W. face, dig 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

56.00 Enter level land

79.50 Intersect N. boundary of Township
 and Fourth Standard Parallel South
 100 lbs E of the Standard Corner

Extremities T. 21 S. R. 9 E - Continued
 Chain

to T. 20 S. R. 8 & 9 E. which is a granite
 stone 16 x 16 x 8 ins set firmly in the
 ground marked S. E on N with
 6 notches on N E & W edges with pits
 and mound of earth as previously
 reestablished by me

For Closing Corner to secs 1 & 6
 T. 21 S. R. 8 & 9 E I set a granite
 stone 20 x 12 x 10 ins 15 ins in the
 ground marked C. C. on S. with
 6 notches on S. E & W. edges, dug pits
 24 x 18 x 12 ins crosswise on each line
 S. E & W. of stone 6 ft dist, and
 raised a mound of earth 2 1/2 ft high
 5 ft base alongside.

Land for 57chs rolling, balance level

Soil for 57chs 2 & 3rd rate, balance 1st rate

Good grass.

No timber

Dec^r 6th 1886.

Exterior T. 21 S. R 9 E - Continued

Chamco

General Description

The Western tier of secs in this Township is covered by rolling grassy hills, the balance is covered by rough rocky hills. In the NE cor of the Township in the Tijas Mountains there is mineral, but at present nothing is being done towards development. There are several ranches in the Township the owners of which are engaged in stock raising.

The timber consists of a scattering growth of oak and mesquite. In Sec 19. there is a good spring of water called the Huajeta. There is very little land fit for cultivation. The NW corner of the Arizaca Private Land Claim covers portions of secs 12. 13. 23. 24 & 25

This Township should be

Exteriors, T. 21 S. R. 9 E. - Continued

Chains

subdivided

George Roskrige
U. S. Deputy Surveyor.

Field Notes
of the
Survey of the Exterior Boundaries
of
Township 21 South Range 8 East
of the
Gila and Salt River Meridian
Arizona Territory.

as surveyed by
George J. Koskrige
U. S. Top. Surv^r

Under his Contract No 2
Dated June 26th 1886

Survey commenced ^{of} 1st Dec 1886.
Survey completed ^{of} 1st Dec 1886.

Exterior Boundaries T. 21 S. R. 8 E.

On the night of 5th Dec 1886.
I took an observation of the Star Polaris
in accordance with instructions con-
tained in the Manual of Survey,
and drove pickets on the line thus
established.

Survey commenced 7th 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 and the Var to be $12^{\circ} 40' E$.

I begin at the cor to Townships 21 S
22 S. R's 8 & 9 E previously estab-
lished and described by me

Thence I run
West on a true line bet. Sec 1 & 36

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

Over gently rolling land

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Exteriors T. 21 S. R 8 E - Continued
Chains

- 23.50 Charco or Waterhole 30 lbs wide course
 N 30° W and S 30° E.
- 40.00 Set a granite stone 14 X 12 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
 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.
- 41.00 Old road course N. 45° W. & S. 45° E.
- 80.00 Set a quartz stone 17 X 15 X 8 ins 12 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 along side.
 Land gently rolling.
 Soil 2^d & 3^d rate, good grass
 No timber

Exteriors T. 21 S R. 8 E - Continued

West on a true line bet Secs 2 & 35.

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

Over rolling land

40.00 Set a granite stone $15 \times 10 \times 6$ 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
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 $18 \times 12 \times 10$ ins
 12 ins in the ground for cor to
secs 2, 3, 34 & 35. marked with
2 notches on E and 4 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 alongside.

Land gently rolling.

Soil 2^d rate, good grass

Extensions T. 21 S. R. 8 E Continued
 Charms

No timber

West on a base line bet Secs 3 & 34

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

Over gently rolling land.

40.00 Set a quartz stone $15 \times 12 \times 6$ 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
 dia and raised a mound of
 earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base along side.

70.50 Main road from Altar to Tucson
 N. $15^{\circ} E$ & S. $15^{\circ} W$.

80.00 Set a granite stone $18 \times 12 \times 6$ ins
 12 ins in the ground for cor. to sec.
 3.4. 33 & 34 marked with 3 notches
 on E & W. edges, dug pits 18×18
 $\times 12$ ins in each sec. $5\frac{1}{2}$ ft dia.

Exteriors T. 21 S. R. 8 E - Continued

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

Land rolling

Soil 2^d & 3^d rate, good grass

No timber.

West on a true line bet Secs 4 & 33

Var. 12° 40' E

Over gently rolling land.

0.00 Set a granite stone 14 x 10 x 4 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
dirt. and raised a mound of
earth 1½ ft high 3½ ft base along side

0.00 Set a limestone 22 x 10 x 8 ins
16 ins in the ground for cor to sec
4. 5. 32 & 33. marked with 4

Exteriors T. 21 S. R. 8 E - Continued

Chains

notches on E and 2 notches on W.
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 here along
side.

Land gently rolling

Soil 2^d & 3^d rate, good grass.

No timber.

West on a true line bet Secs 5 & 32

Var. 12° 40' E.

Over gently rolling land.

15.00 Road from the Buena Vista
ranch to Aguirre's ranch, and the
Tucson and Altar road corner
N 50° E & S. 50° W.

40.00 Set a granite stone 15 X 12 X 4 ins
10 ins in the ground for 1/4 Sec cor

Exteriors T. 21 S. R. 8 E. Continued

Trans

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 granite stone $15 \times 12 \times 10$ ins 10 ins. in the ground for cor to sec. 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 along side.
 Land gently rolling
 Soil 2^d & 3^d rate, good grass.
 No timber

West on a true line bet Secs 6 & 31
 Var $12^{\circ}40' E$.

Over gently rolling land.

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Exteriors T-21 S. R 86 - Continued

Chano.

40.00 Set a granite stone $17 \times 6 \times 6$ ins 11 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 and raised a
mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft
base alongside.

From which

A mesquite 6 ins diam bears $N 83^{\circ} E$
263 lks dist. marked $\frac{1}{4}$ S B F.

A mesquite 8 ins. diam bears $S. 22^{\circ} W$
140 lks dist. marked $\frac{1}{4}$ S B F.

52.00 Road course $N 45^{\circ} W$ & $S 40^{\circ} E$.

80.00 Set a granite stone $14 \times 10 \times 8$ ins
10 ins in the ground for cor to Tps
21 & 22 S. R's 7 & 8 E marked
with 6 notches on each edge, dug
pits $24 \times 18 \times 12$ ins, lengthwise
on each line N. S. E & W. of stone
6 ft dist. and raised a mound

Exteriors T. 21 S. R 8 E - Continued
 chains

of earth $2\frac{1}{2}$ ft high 5 ft base along side.
 Land gently rolling
 Soil 3^d and 4th rate. good grass.
 Timber a few mesquites W. end of line

From the cor. to Tps 21 & 22 S.
 R 8 & 8 E. previously established
 and described by me I run
 North bet Secs 31 & 36
 Var $12^{\circ}40' E$.

Over rolling land.

39.20. Road course $N 45^{\circ} W$ and $S 45^{\circ} E$
 0.00 Set a granite stone $18 \times 10 \times 8$ ins
 12 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 dia and raised a mound
 of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base

Exterior 9. 21 S. R86 - Continued

Chains

alongside

From which

A mesquite 14 ins. diam bears S. 28° E
164 lbs dist. marked $\frac{1}{4}$ S B F.

A Hackberry tree 4 ins diam bears N
84° E 238 lbs dist. marked $\frac{1}{4}$ S B F.

80.00 Set a granite stone 18 x 12 x 12 ins 12
ins in the ground for cor to acco 25

30. 31 & 36 marked with 5 notches
on N and 1 notch on S edges dug
pits 18 x 18 x 12 ins. in each set 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

A mesquite 10 ins diam bears S 80° W
154 lbs dist. marked T. 21 S. R 76.
S. 36 B F.

A mesquite 10 ins. diam bears N. 83° W

Exteriors P. 21 S. R 86 - Continued

name

106 lbs dist marked T. 21 S. R 76 S. 25 BT

A mesquite 6 ins. diam bears N. 21° W. 700 lbs

dist marked T. 21 S. R 76 S. 25 BT

A mesquite 10 ins diam bears S. 52° E

100 lbs dist marked T. 21 S. R 86 S 31 BT

Land rolling

Soil 2^d & 3^d rate good grass

Timber scattering mesquite.

North bet Secs 25 & 30

Var. 12° 40' E.

Over rolling land.

0.00 Set a granite stone 20 x 10 x 8 ins 15 ins
in the ground for $\frac{1}{4}$ Sec cor. marked
 $\frac{1}{4}$ on W. face dry pit 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 alongside.

Exteriors T. 21 S. R 8 E - Continued

Chains

80.00 Set a granite stone 15 X 14 X 8 ins 10 ins
in the ground for cor to sec 19. 24. 25 & 30
marked with 3 notches on N and 2
notches on S. 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.

From which

A mesquite 6 ins. diam bears N. 43° E.

21 lks dist marked T. 21 S. R 8 E. S. 19 BT

A mesquite 3 ins. diam bears N. 8° E 54 lks
dist. marked T. 21 S. R 8 E. S. 19 BI.

A mesquite 4 ins. diam bears N 10° W. 49 lks
dist. marked T. 21 S. R 7 E S. 24 BT

A mesquite 6 ins diam bears N. 18° W. 26
lks dist. marked T. 21 S. R 7 E S. 24 BT.

Land, rolling

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

Timber, scattering mesquite

Exteriors T. 21 S. R. 8 E - Continued

chains

North bet Secs 19 & 24

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

Over rolling land.

33.00 Wash 50 lbs wide course E.

39.00 Road course E & W

40.00 Set a granite stone $14 \times 12 \times 4$ in
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

A mesquite 8 ins. diam bears $S 86^{\circ} E$

191 lbs dist. marked $\frac{1}{4}$ S. B. T.

A mesquite 6 ins diam bears $S 82^{\circ} E$.

278 lbs dist. marked $\frac{1}{4}$ S. B. T.

73.00 Wash 30 lbs wide, course E.

79.00 Edge of rolling land and line runs
down over bank 70 ft deep

Exterior T. 21 S. R 8 E - Continued

chains

80.00 Set a granite stone 12 X 12 X 6 ins 8 ins
 in the ground for cor to secs 13. 18. 19
 & 24 marked with 3 notches on NE
 & 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

From which

A hackberry 6 ins. diam bears S 80° W
 85 lks dist. marked T. 21 S. R 7 E S. 24 BT

A hackberry 10 ins. diam bears S. 70° W 60
 lks dist. marked T. 21 S. R 7 E S. 24 BT

A hackberry 8 ins. diam bears S. 23° E 73
 lks dist. marked T. 21 S. R 8 E S. 19 BT

A hackberry 12 ins. diam bears S. 55° E.
 120 lks dist. marked T. 21 S. R 8 E S. 19 BT

Land rolling

Soil 3^a & 4th rate, good grass

Timber scattering mesquite & Hackberry.

Extremities T. 21 S. R. 8 E - Continued
 hams

North bet Secs 13 & 18

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

Over gently rolling land.

0.00 Wash 30 lbs wide, course E.

1.00 Road E & W.

0.00 Set a granite stone $14 \times 12 \times 4$ 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 alongside.

08.50 Road E & W.

8.50 Wash 20 lbs wide course N & $N40^{\circ} E$

0.00 Set a granite stone $15 \times 15 \times 4$ ins 10 ins in the ground for cor to Secs 7, 12, 13 & 18. marked with 2 notches on N and 4 notches on S edges dug pits $18 \times 18 \times 12$ ins in each sec $5\frac{1}{2}$ ft dist and raised a

Exteriors T. 21 S. R 8 E - Continued

Chain.

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

Land, gently rolling

Soil 2^d & 3^d rate, good grass

Timber, scattering mesquite.

North bet Secs 7 & 12

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

Over gently rolling land.

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.

80.00 Set a granite stone $16 \times 10 \times 4$ ins
11 ins in the ground for cor to
secs 1. 6. 7 & 12 marked with a notch

Extremors T. 21 S. R. 8 E. Continued

hairs

on N and S notches on S. 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 along side.

Land gently rolling

Soil 2^d rate, good grass

No timber.

North bet Secs 1 & 6.

Var. 12° 40' E.

Over gently rolling land.

0.00 Set a granite 14 x 10 x 4 ins 10 ins in the ground for 1/4 Sec cor marker 1/4 on W. 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 along side

7.74 Intersect the Fourth Standard

BOOK 1512

Exterior I. 21 S. R 8 E. Continued
 Chains

Parallel South 162 lks E of the Standard cor to Tps 20 S. R's 7 & 8 E. which is a granite stone 18 x 12 x 7 ins 12 ins in the ground marked S.C. on N with 6 notches on N.E & W. edges, with pits 24 x 18 x 12 ins crosswise on each line N.-E & W. of stone 6 ft dist. and mound of earth 2½ ft high 5 ft base alongside, as previously reestablished and described by me.

For Closing Corner to Tps 21 S R's 7 & 8 E. I set a granite stone 16 x 12 x 12 ins 11 ins in the ground marked C.C. with 6 notches on S. E & W. edges, dug pits 24 x 18 x 12 ins, crosswise on each line, S. E & W. of stone 6 ft dist. and raised a mound of earth 2½ ft high 5 ft base alongside.
 Land, level

Exteriors T. 21 S. R. 8 E. Continued.

Soil 2^d rate, good grass.

No timber.

7th Dec^r 1886.

General Description

This township is covered with gently rolling grassy hills and is overrun by cattle and horses. The water used is raised from wells sunk for that purpose or collected in Chero's or ponds. Pedro Aguirre has a ranch house outbuildings and corrals in Sec 27 all well built, also a well with steam power to raise water.

He is engaged in stock raising. M. R. Wise has a house in course of erection in Secs 23.

Of timber a few scattering hackberry trees may be found at the W. end

Exterior T 21 S. R 5 E. Continued

of Township. With water for irrigation
this land could be made to produce
any kind of a harvest. The soil
is 2^d rate.

George Roskrige
U. S. Dep. Surveyor.

Field Notes
of the Survey of the
Exterior Boundaries
of
Township 22 South, Range 8 East
of the
Gila and Salt River Meridian
Arizona Territory

as surveyed
by George J. Koskruze
U. S. Dep. Suror^r

Under his Contract No 2

Dated June 16th 1886

Survey commenced 8th Dec 1886.
Survey completed 9th Dec 1886.

Exterior Boundaries T. 22 S. R. 8 E.
Chains

On the night of 7th Dec 1886,
I took an observation on the Star Polaris
in accordance with instructions con-
tained in the manual of surveys and
drove pickets on the line thus established.

Survey commenced 5th Dec 1886
with a Young & Sons Solar Transit.

Before commencing this survey I
test my compass on the line established,
test sight and find it correct
and the Variation to be $12^{\circ} 40' E$.

I begin at the cor to Tps 21 & 22 S.
R's 8 & 9 E. previously established and
described by me.

Thence I run
South bet Secs 1 & 6.

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

Over rolling land.

40.00

Set a granite stone $20 \times 12 \times 8$ in 10 in

Exteriors T. 22 S. R 8 E - Continued

Chains

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

56.00. Old road course N W & S E.

80.00 Set a volcanic stone 12 X 12 X 8 ins
 8 ins 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 $5\frac{1}{2}$ ft
 dist and raised a mound of earth
 2 ft high $4\frac{1}{2}$ ft base along side.

Land, rolling

Soil 2^d & 3^d rate, good grass.

No timber.

Extensions T. 22 S. R 8 E - Continued

hours

South bet Secs 7 & 12.

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

Over rolling land.

5.50 Old road course NE & SW.

0.00 Set a granite stone $17 \times 6 \times 6$ ins 12 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.

0.00 Wash 10 lks wide, course E.

0.00 Set a granite stone $14 \times 10 \times 10$ ins
 10 ins in the ground for cor to
Secs. 7. 12. 13 & 18 marked with 2 notches
on N and 4 notches on 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 alongside
From which

Exteriors T. 22 S. R 8 E - Continued

Chain

A hackberry 8 ins. diam bears S. 75° W
235 lbs dist marked T 22 S R 8 E S. 13 BT

No other trees within limits

Land rolling

Soil 2^d & 3^d rate, good grass.

Timber a few mesquites & hackberry.

South bet Secs 13 & 18

Var. 12° 40' E.

Over rolling land.

35.00 Wash 100 lbs wide, course S. 70° W.

40.00 Set a granite stone 14 X 6 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 diam. and
raised a mound of earth 1 $\frac{1}{2}$ ft
high 3 $\frac{1}{2}$ ft base along side.
From which

Exteriors T. 22 S. R 8 E - continued

A mesquite 6 ins. diam bears S. 60° W. 27 lbs
dist. marked $\frac{1}{4}$ S. B. F.

A mesquite 4 ins. diam bears N. 45° W. 23
lbs dist marked $\frac{1}{4}$ S. B. F.

Set a quartz stone 18 X 12 X 8 ins 12 ins
in the ground for cor to sec 13. 18. 19
& 24 marked with 3 notches on N & S
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 along side
From which

A mesquite 6 ins. diam bears N. 21° E.
60 lbs dist. marked T. 22 S. R 9 E S. 18 BT

A mesquite 6 ins. diam bears S. 85° E.
45 lbs dist marked T. 22 S R 9 E S. 19 BT

A mesquite 4 ins diam bears S. 25° E
67 lbs dist marked T. 22 S. R 9 E S. 19 BT

A mesquite 6 ins diam bears S. 1° E 75 lbs
dist. marked T. 22 S. R 9 E S. 19 BT

Extensions T. 22 S. R. 8 E - Continued.

Chauss.

Land rolling and rocky.
Soil 3^d and 4th rate; good grass
Timber a few mesquites.

South bet Secs 19 & 24.

Var. 12° 40' E.

Over rolling land.

- 4.00 Wash 2 chs wide course S. 60° W.
- 18.00 Wash 20 lks wide course West
- 26.00 Wash 30 lks wide course West
- 40.00 Set a limestone 15 x 12 x 8 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 dia and raised
a mound of earth 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft
base along side.
- 57.00 Wash 30 lks wide course S. 30° W.
- 80.00 Set a granite stone 18 x 12 x 8 ins 12 ins

Extremes T. 22 S. R. 8 E. Continued

in the ground for cor to secs 19. 24. 25 & 30 marked with 4 notches on N and 2 notches on S edges and raised a mound of stone along side, pits impracticable

Land, rolling

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

Timber a few mesquites North end of line.

South bet Secs 25 & 30

Var. 12° 40' E.

Over rolling land.

7.50 Wash 20 lks wide, course W.

5.00 Wash 20 lks wide, course NW.

9.00 Wash 30 lks wide course S 15° W.

7.50 Same wash 20 lks wide, course S 30° E.

9.00 Set a granite stone 18 x 10 x 8 ins 12 ins

Extensions T. 22 S. R. 86 - Continued
 Chain

- 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.
- 42.50 Same wash 20 lks wide course S. 30° W.
- 70.50 Wash 20 lks wide course S 40° W.
- 80.00 Set a granite stone 14 X 12 X 10 ins 10 ins
 in the ground for cor to secs 25-30.
 31 & 36 marked with 5 notches on
 N and 1 notch on S edges, dug pits
 18 X 18 X 12 ins in each sec. 5 $\frac{1}{2}$ ft dit.
 and raised a mound of earth 2 ft
 high 4 $\frac{1}{2}$ ft base along side.
- Land rolling
 Soil 2^d & 3^d rate good grass.
 No timber.

South bet Secs 31 & 36

Var. 12° 40' E.

Extensior T-22 S. R 8 E. Continued

Chain

- Over rolling land.
- 39.50 Leave rolling land and enter level land
- 40.00 Set a granite stone 18 x 12 x 8 ins 12 insⁱⁿ 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.
- 43.50 Wash 130 yds wide course S. 40° W.
- 65.00 Line runs across little mountain spur bearing E & W.
- 71.00 South side of spur and wash 50 yds wide, course W and commencement ascent of rocky hill.
- 80.00 Set a quartz stone 24 x 12 x 12 ins 18 ins in the ground for cor to ^{Top.} 22 & 23 S. R's 8 & 9 E marked with 6 notches on each edge, and raised a mound of stone along side. Pits impracticable.

BOOK 1512

Exteriors P. 22 S. R 86 - Continued

Land rolling 40 chs level 25 chs, balance
rocky & hilly.

Soil 1st. 3^d and 4th rate, good grass
No timber

From the cor of Tps 22 & 23 S. R 6
8 & 9 E. I run

West on a true line bet Secs 1 & 36
Var. $12^{\circ}40' E$.

Descending over rocky hillside.

- 16.00 Foot of hill and enter level land.
- 40.00 Set a quartz 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
6 & 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.
- 49.50 Wash 70 lbs wide course S. 30° W.

Exteriors P. 22 S. R 86. Continued

56.50 Intersect the International Boundary
line bet the United States and Mexico
7 miles 67 chs 60 lks S. $69^{\circ}19'45''$
E from the United States Boundary
monument No 15 on the Poso Verde
mountains. I set for Closing Corner
for sec 1 & 36 a granite stone
 $13 \times 8 \times 8$ ins 9 ins in the ground
marked C.C.U.S on N face with
5 notches on W and 1 notch on E
edges, dug pits $18 \times 18 \times 12$ ins, dug
pits $18 \times 18 \times 12$ ins N. E & W. of stone
 $5\frac{1}{2}$ ft dist and raised a mound of
earth 2 ft high $4\frac{1}{2}$ ft base along side.
Land hilly for 16 chs, balance level
Soil on level land 1st & 2^d rate, balance
4th rate, good grass
No timber

8th Dec^r 1886.

BOOK 1512

Exteriors P. 22 S. R & E - Continued

Note. On the hill described in the Report of the Boundary Commission as being 200 metres N. of the "Los Ojos de Granizo" or springs of Hail, I make a diligent search for monument No. 16 but fail to find it. The monument No. 17 is plainly in sight on the Sierra de Sonora, but owing to the roughness of the country I find it impossible to chain to it. Monument No. 15 - on the Poso Verde Mountains being plainly in sight { both monuments being located as shown in sketches made by Boundary Commission, which sketches face the locations of these monuments most unmistakably, especially No. 17 monument on the Sierra de Sonora mountains }

Continued in Book

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