

1485

1485

F I E L D N O T E S

OF THE SURVEY OF THE

EXTERIOR LINES OF

T. 16 S., Rs. 7, 8 & 10 E., T. 17
S., Rs. 9 & 10 E., T. 18 S., Rs.
9 & 10 E., T. 19 S., Rs. 8, 9 & 10
E., T. 20 S., Rs. 8, 9 & 10 E.

Gila and Salt River Base and
Meridian,

ARIZONA.

By George J. Koskrage, D. S. under
Contract dated Mar. 5, 1886.

Survey commenced Aug. 13, 1886.

Survey completed Nov. 15, 1886.

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1485 BOOK 1485

Field Notes

the survey of the

terior Boundaries

of

Wishup n^o 20, South-

range n^o 10, East.

of the

La and Salt River

Meridian.

in the

Territory of Arizona.

as surveyed by

George J. Roskrige -

U. S. Deputy Sur^r

under his Contract n^o 1 -

dated March 5th 1886.

Survey commenced Aug 13, 1886

Survey completed Aug 15, 1886

Field Notesof the survey of theExterior Boundaries

of

Township N^o 20, South.
Range N^o 10, East.

of the

Gila and Salt River
meridian.

in the

Territory of Arizona.

as surveyed by

George J. Roskrige.

U. S. Deputy Surveyor

Under his Contract N^o 1.Dated March 5th 1886.

Survey commenced Aug 13, 1886.

Survey completed Aug 15, 1886.

Exterior Boundaries T20 S. R. 10. E.
Gila and Salt River meridian

On the night of August 12th 1886
I take an observation of the Star
Polaris, in accordance with
instructions contained in the
manual of Surveys and drove
pickets on the line thus established.

Survey commenced August
13th 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 $12^{\circ} 40'$ East.

Before proceeding with my
chaining on the Township line
running North & chain East

Exteriors Tp 20 S. R. 10 E cont'd.

along the 4th Standard Parallel South. starting from the cor to Tp 20 S. R. 9 + 10 East of the Gila and Salt River meridian, which is at a point 5 chs East of the witness cor established by Deputy L. J. Wolfley. said witness corner being a stone 7 x 18 x 6 ins, above the ground with 6 notches on E. and W. edges and S.C. on North. with a mound of stone alongside. and at 50 chs I found the $\frac{1}{4}$ Sec cor and at 90 chs the Sec cor. between Secs 31 + 32, the alignment being correct, I continue along

Exteriors Tp 20 S R 10 E Continued

The line East to the Tp cor
between ranges 10 & 11 East and
found the balance of the chaining
correct.

I now run North along the
Second Guide Meridian East
Var $12^{\circ} 40'$ East

between ranges 10 & 11 East to the
cor to Secs 7-12-13 & 18 and found
the alignment and chaining to
be correct. Having found 10 chs
overplus on the South boundary
of Sec 31 and deeming it
expedient for the good of the
public service, if possible, to
establish the cor to Tps 19 & 20 S.
Ranges 10 & 11 East - it being

Exteriors Tps 20 S. R. 10, E Continued

impossible to establish the cor by running North on account of the precipitous bluffs of the Cerro Colorado mountain, I therefore run from said cor of Secs 7-12-13 T18.

West on a blank line 80 chs, thence North 160 chs, thence East 80 chs to the point for the cor to Tps 19 & 20 S. Ranges 10 & 11 East, said point being on the Summit of the Cerro Colorado mountain, the sides of which are very precipitous.

I now set a volcanic stone 20x10x8 ins 15 ins in the ground for the cor to Tps 19 & 20 S. R's 10 & 11 East marked with 6 notches on each edge, and raised a mound of

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Exteriors T_p. 20 S. R. 10 E. Continued

chains. stone alongside, ^{13th August 1886.} quite impracticable

+ I now return to the point on the 4th Standard Parallel South for the cor to T_p. 20 S. R. 9 + 10. E. Thence I run

North bet Secs 31 + 36.

var 12° 40' E.

Line runs up steep S. W. slope of the Gias Mountain

600 Summit of main mt bearing N. W. and S. E. and 150 feet above T_p cor. and commence descent of the N. E. slope.

1400 Ravine 30 feet deep flow N. E.

4000 Set a volcanic ^{stone} cor. 12 x 10 in 15 in in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on West face, and raised a

Exteriors of 20. S. R. 10. E. Continued

chain. mound of stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside - pits
impracticable.

7000 Ravine about 20 feet deep course
N 20° E

Some prospect shafts are 10 chs
West of this point.

8000 Foot of the Gijas Mountain and
enter rolling land. and

Set a volcanic stone $20 \times 12 \times 10$
ins. 15 ins. in the ground, for

Cor. to S. 25 & 30. 31 & 36,
marked with 1 notch on S.
and 5 notches on N slopes, and

raised a mound of stone along-
side pits impracticable.

Land mountainous.

Exteriors Sp 20 S, R 10 E. Continued

chains. Soil mineral. Good Grass.
No Timber.

N between 25 and 30
var 12° 40' East

15.00 Tawine 20 feet deep course N. E.

20.50 Tawine 25 feet deep course N 60° E

40.00 Set a Volcanic Stone 24 x 12 x 12
ins., 18 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable. from which
A Mesquite Tree 3-ins. diam,
bears N 51° 40' E 100 lbs.
dist. marked $\frac{1}{4}$ S B 5.

Exteriors Sp. 20 S., R. 10. E. Continue

chains. A Mesquite Tree, 5. ins. diam
 bears S $77^{\circ}00'$ E. - 140 - Vks
 dist. marked; S. B. J.

The Rancho House of Ventura
 Robledos bears N $14^{\circ}30'$ E 7.50,
 dist. unk. The House is built of
 adobe and is a permanent &
 substantial building.

- 5500 Arroyo 66 feet wide course N. N.
 5700 Road to Sacunduis course E. W.
 6300 Arroyo 10 feet wide course S. N.
 8000 Set a volcanic stone $24 \times 12 \times 4$
 ins. 18 ins. in the ground, for
 Cor. to Sps. 19, 24, 25 & 30
 marked with 2 notches on S
 and 4 notches on N edges, and
 raised a mound of stone along
 side. Site impracticable, from w

rivers $\frac{1}{2}$ 20 S., R 10 E. Continued

A Mesquite tree 6 ins. dia. bears
 $\$ 52^{\circ} 00' N$ 47. lbs. dist.
 marked T. 20 $\frac{1}{2}$., R. 9 E., $\$.25$
 , B. J.

A Mesquite tree 4 ins. dia. bears
 $\$ 43^{\circ} E$ 132. lbs. dist.
 marked T. 20 $\frac{1}{2}$., R. 10 E., $\$.30$
 , B. J.

A Mesquite tree 4 ins. dia. bears
 $\$ 80^{\circ} 40' E$ 133. lbs. dist.
 marked T. 20 $\frac{1}{2}$., R. 10 E., $\$.30$
 , B. J.

A Mesquite tree 4 ins. dia. bears
 $N 79^{\circ} 20' E.$ 186 lbs. dist.
 marked T. 20 $\frac{1}{2}$., R. 10 E., $\$.19$.
 , B. J.

Land rolling and broken.
 Good Grass.

Exteriors Fr 20 S, R 10 E. Continued

Chanis. Soil mineral and 4th rate
Some scattering Mesquite Timber.

North bet Secs 19 F 24

Var 12° 40' East

.50. Arroyo 10 feet wide course S. W.

19.50 Arroyo 15 feet wide course West.

26.50 Ravine 6 feet deep course S. W.

and line runs along West slope
of a little range of hills bearing
N. W + S. E.

4000 Set a Volcanic Stone 20 x 12 x 12
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

Exteriors Tp 20 S, R. 10 E. Continued.

chains.	
45.50	Ravine course West about 10 feet deep.
48.00	Ravine course West about 5 feet deep.
75.00	Ravine course N. W about 10 feet deep.
80.00	Set a Volcanic stone 20 x 12 x 10 ins. 15 ins. in the ground, for Cor. to Secs. 13, 18, 19 & 24, marked with 3 notches on S and 3 notches on N edges, and raised a mound of stone alongside. It's impracticable.

Land broken and hilly.

Soil 4th rate

No Timber.

North, bet, Secs 13 and 18.

Var 12° 40' East.

5.50 Road, (probably a wood road)
Course E and W.

Exteriors Fr 20 S, R 10 E. Continued

hans.

1000 Ravine 5 feet deep, course West.

39-70 Ravine 10 feet deep, course West

4000 Set a Granite Stone 20 x 12 x 8
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

Almesquite Tree 6 ins. diam,
bears S $3^{\circ} 30' E$, 40 - lbs.
dist. marked $\frac{1}{4}$ S. B. J.

Almesquite Tree 10 ins. diam,
bears S $87^{\circ} W$, 86 - lbs.
dist. marked $\frac{1}{4}$ S. B. J.

5000 Leave West slope of little hills
and enter level land -

Exteriors Sp 20 S, R 10, E. Continued.

Chains
8000

Set a Granite stone 30 x 12 x 4 ins. 22 ins. in the ground, for Cor. to Secs. 7-12-13 & 18, marked with 4 notches on S. and 2 notches on N edges, and raised a mound of stone alongside. Site impracticable.

Land for 50 chains hilly with indications of mineral. The last 30 chains level. Soil 4th rate mineral. No Timber - Good Grass.

North, bet. Secs 7 and 12
Var 12° 40' East

5,30 Wood road, course E and West - leads to Moreno's Ranch House

Exteriors Fr 20 S, R 10 E. Continued

Chains.

4000

Set a Volcanic Stone 20 x 12 x 12
ins. 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

5800

Arroyo course West 16 feet wide.

7100

Toad course E and W.

8000

Set a Volcanic stone 20 x 12
x 8 ins. 15 ins. in the
ground, for Cor. to Secs.
1-6. 7 & 12, marked with
5 notches on $\frac{1}{4}$ and 1
notch on N edges; dug
pits 18 x 18 x 12 ins. in each
Sec., $5\frac{1}{2}$ feet dist., and raised

Exteriors Fr 20 S, R 10 E. Continued

a mound of earth 2 feet high
4 1/2 feet base alongside -
from which.

A Mesquite Tree 4 ins. dia. bears
S 8° W 200 - - - - - Vks. dist.
marked T. 20 S., R. 9 E., §. 12
B. 5.

A Mesquite 5 ins. dia. bears
S 17° E 74 - - - - - Vks. dist.
marked T. 20 S., R. 10 E., §. 7
B. 5.

A Mesquite 6 ins. dia. bears
S 57° W - 45 - - - - - Vks. dist.
marked T. 20 S., R. 9 E., §. 12
B. 5.

A Mesquite 3 ins. dia. bears
S. 55° W 100 - - - - - Vks. dist.
marked T. 20 S., R. 9 E., §. 12
B. 5.

Exteriors fr 20 S, R 10 E. Continued.

chains. Land level - 3552
Soil 4th rate. Good Grass.
Timber. Scattering mesquite.

North bet Secs 1 & 6
var 12° 40' East

20.50 Road from Moreno's Ranch to
Tucson. course N. W and S. E.

4000 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 x 13
x 12 ins. N. and 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.

4040 Road from Moreno's Ranch to
Tucson. course N. W and S. E.

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 errors Jp 20 S, R 10 E. Continued.

80,001 Set a Volcanic Stone 20 x 10 x 8 ins
 15 ins. in the ground for cor to
 Jpe. 19 and 20 S. R 9 and 10 E.
 marked with 6 notches on each
 edge, dug pits, 24 x 18 x 12 ins.
 lengthwise on each line. N. S. E & W
 of stone, 6 ft dist, and raised a
 mound of earth 2 1/2 ft high, 5
 ft base alongside. From which.

A Mesquite 8 ins. dia. bears
 S 2° N 425 lbs. dist.
 marked J. 20 S., R. 9 E., S. 1

B. J.

A Mesquite 10 ins. dia. bears
 S 10° 15' E. 358 lbs. dist.
 marked J. 20 S., R. 10 E., S. 6.

B. J.

Exteriors Fr 20 S, R 10, E. Continued

A Mesquite, 4 ins. dia. bears
 S $23^{\circ} 45' E$ 135 lbs. dist.
 marked J. 20 S., R. 10 E., S. 6
 B. J.

A Mesquite 4 ins. dia. bears
 S $71^{\circ} 30' E$. 115 lbs. dist.
 marked J. 20 S., R. 10 E., S. 6
 B. J.

Land level.

Soil 2 & 3rd rate Good Grass.

Timber, Scattering mesquite.

14 August 1886.

Exteriors Tp 20 S. R 10 E. continued.

From the cor. to Tps 19 and 20 S, R 9 and 10 East, I run East on a random line between said Townships, the variation of my compass being $12^{\circ}40'E$. I set temporary half-mile and mile corners at each 40 and 80 chains, and find the Tp line to be 6 miles 9 chains and 52 links long and the falling to be 28 links South of the cor. to Tps 19 and 20 S. R. 10 and 11 E. The correction for the true line will therefore be $4\frac{1}{2}$ lks North, and 9 chains and 52 links West per mile, and its course will be $S 89^{\circ}58'N$.

Exteriors Jfr 20 S, R 10 E, Continued.

Chains From the cor to Jfrs 19 and 20 S.
R's 10 and 11 E. which is a
Volcanic Stone $20 \times 10 \times 8$ set
firmly in the ground. marked
with 6 notches on each edge,
with a mound of stone along-
side.

I run

S $89^{\circ} 58'$ W on a true line bet.
Secs 1 and 36.

Var $12^{\circ} 40'$ East

Commence descent from cor.

- 1500 Ravine 10 feet-deep course S. W.
3400 Ravine 15 feet-deep course South.
4000 Set a Volcanic $18 \times 8 \times 6$ ins 12 ins
in the ground for $\frac{1}{4}$ Sec. cor.

riors Jh 20 S, R 10 E, Continued.

marked $\frac{1}{4}$ on north face, and raised a mound of stone, $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside pits impracticable.

51.00 Ravine 15 feet deep course South.

80.00 Set a volcanic stone $20 \times 12 \times 6$ ins. 15 ins. in the ground, for Cor. to Sps. 1-2. 35. & 36, marked with 1 notch on S and 5 notches on W edges, and raised a mound of stone alongside pits impracticable.

Land mountainous.

Soil rocky worthless.

No. Timber.

Exteriors Jh 20 S, R 10 E. continued.

Chains S $89^{\circ} 58'$ W, on true line bet
Secs 2 and 35.

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

600 Ravine 30 feet ^{deep} course S.W.

4000 Set a Volcanic stone $38 \times 18 \times 10$
ins., 28 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
north face, and raised a
mound of stone, $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base, alongside. pits
impracticable.

4900 Leave hills and enter level
Land.

51.50 Arroyo 50 ft wide course N 70° W.

68.50 Arroyo 30 ft wide course N.W.
This last arroyo runs into
the other arroyo bet Sec N.W.

Exteriors Fr 20 S. R 10, E. continued.

Chains.
8000

Set a Lime stone 20×12
 $\times 8$ ins. 15 ins. in the
 ground, for Cor. to Secs.
 2, 3, 34 & 35, marked with
 4 notches on W and 2
 notches on E. edges; dug
 pits $18 \times 18 \times 12$ ins. in each
 Sec., $5\frac{1}{2}$ feet dist., and raised
 a mound of earth 2 feet high,
 $4\frac{1}{2}$ feet base, alongside.

Land mountainous for Hq. cha.
 balance level. Good grass.
 Soil 4th rate. Mineral.
 Timber scattering mesquite.

S $89^{\circ} 58' N$, on a true line, bet
 Secs 3 and 34.

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

Exteriors of 20 S, R 10 E. Continued.

chains.

- 16.50 Arrows 18 lks wide course S.W.
- 32.50 Arrows 20 lks wide course South.
- 4000 Set a Volcanic Stone 18 x 10 x 8 ins., 15 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on North face, and raised a mound of Stone, $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside, pits impracticable.
- 6700 Arrows 15 lks wide course N.W.
- 8000 Set a Volcanic Stone 24 x 14 x 12 ins 18 ins in the ground for cor to Secs 3-4-33 and 34 marked with 3 notches on East- and 3 notches on West- edges dug pits 18 x 18 x 12 ins, in each Sec. $5\frac{1}{2}$ feet dist., and raised a mound of earth

Exteriors T_h 20 S., R 10 E. Continued.

Chairs

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

Land level. Good Grass.
Soil 2 and 3rd rate.
no Timber.

S $89^{\circ}58'N$, on a true line
between Secs 4 and 33.

Far $12^{\circ}40'$ East

4000 Set a volcanic stone $24 \times 12 \times 4$
ins., 18 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
North face, dug pits $18 \times 10 \times 12$
ins. E. and W. of stone, $5\frac{1}{2}$
feet dist., and raised a mound
of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
base, alongside. From which.

Exteriors Fr 20 S, R 10, E. Continued -

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- chains
- A Mesquite 8 - ins. diam.,
bears S 50° E. 130 lks.
dist. marked $\frac{1}{4}$ S. B. J.
- A Mesquite 6 - ins. diam.,
bears N. 45° W 159 - lks.
dist. marked $\frac{1}{4}$ S. B. J.
- 5200 Arroyo 100 lks wide course N
15° W.
- 8000 Set a Volcanic stone 15 x 15
x 12 ins. 10 ins. in the
ground, for Cor. to Secs.
4-5-32 & 33, marked with
2 notches on W and 4
notches on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5 $\frac{1}{2}$ feet dist., and raised
a mound of earth 2 feet high,
4 $\frac{1}{2}$ feet base, alongside.

Exteriors. T_h 20 S, R 10 E. Continued.

Chains Land level.

Soil 2nd rate. Good Grass.
Timber, scattering mesquite.

S 89° 58' W, on a true line bet.
Sees 5 and 32.

Var 12° 40' East.

4000 Set a Volcanic stone 20 x 10 x 8
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
north face, and raised a
wound of stone, 1 $\frac{1}{2}$ feet high,
3 $\frac{1}{2}$ feet base, alongside, pits
impracticable from which.
A Mesquite 8 ins. diam,
bears S. 108° E. 118. lbs.
dist. marked $\frac{1}{4}$ S. B. 5.

Exteriors Fr. 20 S R. 10 E. Continued.

chains A Mesquite 6 ins. diam.
bears S 80° E 178 lbs.
dist. marked 1/4 S. B. 5.

8000 put a volcanic stone 20 x 15
x 10 ins. 15 ins. in the
ground, for Cor. to S. B.
5. 6. 31 & 32, marked with
1 notch on N. and 5
notches on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5 1/2 feet dist., and raised
a mound of earth 2 feet high,
4 1/2 feet base, alongside.
Land level.

Soil 2nd class. Good Grass
Timber, scattering mesquite.

Exteriors T_h 20 S, R 10 E. Continued.

Chains S 89° 58' W, on a true line bet
Secs 6 and 31.

Var 12° 40' East.

4000 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 x 18
x 12 ins. E and 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.

89.52 The cor to T_hs 19 and 20 S. R_i
9 and 10 East.

Land level.

Soil 2nd class. Good Grass.
Timber scattering mesquite.

15th August 1886.

Exteriors T_p 20 S, R 10 E. Continued.

General Description.

most of this T_p is broken and hilly and contains mineral. and several mines are now being worked.

The Cerro Colorado mining village is in Sec 25 but the mine has long since been unworked and the buildings are in ruins.

The Cerro Colorado mountains are located in the N. E.

and the Giza mountains in the S W portion of the T_p. There are 2 or 3 Ranches in the T_p the proprietors being engaged in stockraising.

Exteriors of 20 S., R 10 E. Continued.

The Tp being covered with grass and well adapted for stockraising.

The Timber consist of a scattering growth of dwarf mesquite.

The Township should be subdivided.

George Proskrug

U. S. Deputy Sur^r

Field Notes

the Survey of the
Exterior Boundaries
of
Township n^o 20 South
Range n^o 9 East
of the
Gila and Salt River
meridian
in the Territory of Arizona.
as surveyed by
George J. Roskrige
U. S. Deputy Sur^r

Under his Contract n^o 1
Dated March 5th 1886.

Survey commenced 22nd Aug. 1886.
Survey completed 22nd Aug. 1886

Exteriors of Tr 20 S. R 9, East.

on the night of 21st Aug 1886.
I take an observation of the
Star Polaris, in accordance
with instructions contained
in the manual of Surveys
and drove pickets on the
line thus established.

Survey commenced
22nd August 1886 with a
Young and Sons Solar
Transit.

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

Exteriors of T_p 20 South R. 9 East.

I begin at the Standard cor to
 T_p 20 S. R 8 F₉ E. where I find
 a post 3 feet long x 2 ins square
 marked S. C. - T. 20. S. on N.
 R. 9. S 31 on E and
 R 8. S 36 on W faces, with
 7 notches on E and 6 notches on
 West edges. and pits N. E & W of
 post. I now set a Granite Stone
 16 x 16 x 8 ins 11 ins in the
 ground for the Standard cor
 to T_p 20 South R₈ F₉ East
 marked S. C. on N with 6
 notches on N. E. & W edges.
 re-dug pits 24 x 18 x 12. cross-
 wise on each line. N. E & W of
 stone 6 feet distant and raised

Exteriors of 20 S, R & E, Continued

chain a mound of earth $2\frac{1}{2}$ feet high 5 ft base alongside.

Thence I run north between Secs 31 & 36.

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

200 Main Road from Tucson to Altar in Mexico, course $N 30^{\circ} E$.

17,00 Old Road, course $S 4^{\circ} W$.

29,00 Old Road course $S 4^{\circ} W$.

4,000 Set a Granite stone $16 \times 8 \times 6$ 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. N. and S. of Stone, $5\frac{1}{2}$ feet dist., and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

Exteriors Jfr 20 S., R 9 E., continued -

chains
8000

Set a quartzite stone 18 x 12 x 10 ins. 12 ins. in the ground, for Cor. to Secs. 25-30-31 & 36, marked with 1 notch on S and 5 notches on N. edges; dug pits 18 x 18 x 12 ins. in each sec., 5 1/2 feet dist., and raised a mound of earth 2 feet high, 4 1/2 feet base, alongside.

Land level.

Soil 2nd class. Grass good. No Timber.



Exteriors of 20 S, R 9 E. Continued.

chains North between Secs 25 & 30.
 Far $12^{\circ} 40'$ East.

3420 Road from Humbolt camp to
 Aniwaca course S.E. and N.W.

4000 Set a Granite stone $16 \times 12 \times 10$
 ins., 10 ins. in the ground,
 for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
 W. face, dug pits $18 \times 18 \times 12$
 ins. N. and S. of Stone $5\frac{1}{2}$
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, 3 feet
 base, alongside.

8000 Set a Granite $20 \times 10 \times 8$ ins 15
 ins in the ground for cor to
 Secs 19-24-25 and 30 marked
 with 2 notches on S and 4
 notches on N edges. dug pits

more Jp 20 S; R q. E. continued.

18 x 18 x 12 ins, in each see, 5 1/2 feet distant, and raised a mound of earth 2 feet high, 4 1/2 feet base alongside. Land level.

Soil 2nd rate. Grass good. No Timber.

Hence North between sees 19 & 24
Far 12° 40' E.

40.00

Set a quartz stone 14 x 10 x 5 ins., 10 ins. in the ground, for 1/4 sec. Cor., marked 1/4 on W. face, dug pits 18 x 18 x 12 ins. N. and S. of stone, 5 1/2 feet dist., and raised a mound of earth 1 1/2 feet high, 3 1/2 feet base, alongside.

Exteriors of 20 S., R 9, E. continued.

chains

8000

Set a Granite stone 16 x 10
x 6 ins. 10 ins. in the
ground, for Cor. to Secs.
13. 18. 19 & 24, marked with
3 notches on S. and 3
notches on N. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5½ feet dist., and raised
a mound of earth 2 feet high,
4½ feet base, alongside.

Land level.

Soil 2nd class. Grass good.

No Timber.

North between Secs 13 & 18

Cor 12° 40' E.

Exteriors, Tr 20 S. R. 9 E. continued.

Chains

3400 Arroyo, course East-10 Ute wide.

4000 Set a Granite stone 16 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. and S. of stone, 5 $\frac{1}{2}$ feet dist., and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base, alongside.

5400 Wash, 250 Ute wide course E.

8000 Set a Granite 16 x 10 x 10 ins 10 ins in the ground for cor to Secs 7-12 13 and 18 marked with 4 notches on S and 2 notches on N edges. dug pits 18 x 18 x 12 ins. in each Sec. 5 $\frac{1}{2}$ feet dist., and raised a mound of earth 2 feet high 4 $\frac{1}{2}$ feet base

Exteriors Tfr 20 S, Rq. E. Continued -

Chains alongside.

Land level.

Soil 2nd class. Grass. good.

No Timber.

North bet Secs 7 and 12

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

29.40 Wash 50 lks wide course East.

40.00 Set a Granite stone $24 \times 12 \times 10$ ins., 18 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, dug pits $18 \times 18 \times 12$ ins. N. and S. of stone, 5 feet dist., and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

69.00 Wash 40 lks wide, course East.

#1 BOOK 1403
Exteriors of 20 S, R 9 E, continued -

chains.

80,00

Set a Granite stone 24 x 12
x 10 ins. 18 ins. in the
ground, for Cor. to Secs.
1-6-7- & 12, marked with
5 notches on S. and 1
notch on R edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5½ feet dist., and raised
a mound of earth 2 feet high,
4½ feet base, alongside.

Land level.

Soil 2nd rate. Grass good.
no Timber.

North between Secs 1 and 6
9.50 Arrows 30 W's wide, course E.

Exteriors of 20 S, R 9 E, continued.

Chains.

2500 Arroyo 40 lbs wide course E.

4000 Set a Granite stone 10 x 8 x 6 ins., 7 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. and S. of stone, 5 $\frac{1}{2}$ feet dist., and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base, alongside.

78.50

Road from Sacandaga to Mason's Brown, bear N.W.

8000

Set a Granite stone 15 x 12 x 10 ins 10 ins in the ground and marked with 6 notches on N. & E and N edges for the cor to Tps 19 and 20 South Ranges 8 & 9 East - dug pits 24 x 18 x 12 ins. lengthwise on each line N. & E and N of stone, 6 ft distant,

Exteriors Tps 20 S, R 9 E. continued.

chains

and raised a mound of earth 2 feet high $4\frac{1}{2}$ feet base alongside. Land level.

Soil 2nd rate. Grass good. No Timber.

From the cor to Tps 19 & 20 S. R. 8 & 9 East. I run East on a random line between said Tps. the variation of my compass being $12^{\circ}40'E$. I set temporary half-mile and mile corners at each 40 and 80 chains, and find the Township line to be 6 miles and 37 links, and the falling to be 279 links South of the cor to Tps 19 and 20 S. Ranges 9 & 10 East.

Exteriors T₁ 20 S, R 9 E. Continued.

The correction for the true line will therefore be $46\frac{1}{2}$ links N. and 37 links East per mile, and its course will be $S 89^{\circ} 40' N$.

From the cor to the 19 & 20 S. R 9 & 10 E. which is a volcanic stone $20 \times 10 \times 8$ ins firmly set in the ground. with 6 notches on each edge. and pits N. S. E. & W of stone, and mound of earth alongside. from which a Mesquite 8 ins dia, bears $S 20^{\circ} W$.
438 links dist marked T. 20 S. R 9 E.
Sec 1. B. T.

a Mesquite 10 ins dia, bears $S 10\frac{1}{2}^{\circ} E$
358 links dist. marked T 20 S. R 10 E.
Sec 6. B. T.

errors Jh 20 S, R 9 E continued:

A Mesquite H vis dia, bears S 23 $\frac{1}{2}$ ° E
45 Ws dist. - marked T 20 S, R 10 E.
S 6. B. T.

A Mesquite H vis dia, bears S 71 $\frac{1}{2}$ ° E
115 Ws dist. - marked T 20 S R 10 E.
S 6. B. T.

I run

S 89° 40' W on a true line between
Secs 1 and 36.

var 12° 40' E

40.00

Set a Granite stone 12 x 8 x 6
ins., 8 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. and W. of stone, 5'
feet dist., and raised a mound

Exteriors T_h 20 S, R₉ E. continued.

- chains of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base
alongside, from which -
- A Mesquite. 6 ins. diam.
bears N 42° E. 340 - lbs.
dist. marked $\frac{1}{4}$ S. B. J.
- A Mesquite 4 ins. diam.
bears N 78° E. 340 - lbs.
dist. marked $\frac{1}{4}$ S. B. J.
- 4600 Road from Morenos Ranch to
Tucson - course N. N. W. S. E.
- 5800 Road from Morenos Ranch to
Tucson - course N. N. W. S. E.
- 6600 Road from Morenos Ranch to
Tucson - course N. N. W. S. E.
the two last mentioned roads
come together about 30 chains
N. N.

Exteriors T_h 20 S, R₉ E, continued -

chains

8000

Set a granite stone 12 x 8
x 6 ins. 8 ins. in the
ground, for Cor. to Secs.
1-2-35 & 36, marked with
5 notch on ~~N~~ and 1
notch 1 on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5½ feet dist., and raised
a mound of earth 2 feet high,
4½ feet base, alongside - from which
A Mesquite 4 ins. dia. bears
N. 3° W 39. lbs. dist.
marked T. 19 S., R. 9 E., S. 35
B. 5.

A Mesquite 3 ins. dia. bears
N 38° W 110 lbs. dist.
marked T. 19 S., R. 9 E., S.
35, B. 5.

Exteriors of 20 S, R 9 E. Continued.

chains
 A Mesquite 6 ins. dia. bears
 S 29° E 120 - lbs. dist.
 marked T. 20 S., R. 9 E., S. 1.
 B. J.

A Mesquite 6 ins. dia. bears
 S 14° E 270 - lbs. dist.
 marked T. 20 S., R. 9 E., S. 1.
 B. J.

Land level. Good grass.
 Soil 1st and 2nd rate.
 Timber, scattering mesquite.

S $89^{\circ} 40'$ W on a true line
 between Secs 2 and 35.

var $12^{\circ} 40'$ East-

1700 Enter wash. course N. W.

2800 Leave wash. course N. W.

Exteriors Jr 20 S, R 9, E, continued.

hairs.
4000

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 x 18 x 12 ins. E and 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.

A Mesquite 3. ins. diam., bears South 8 $\frac{1}{2}$ ° East 59. lbs. dist. marked $\frac{1}{4}$ S. B. J.

A Mesquite 4. ins. diam., bears South 65° N 93. lbs. dist. marked $\frac{1}{4}$ S. B. J.

69-50 a wash 100 links wide course N 15° E.

Exteriors of 20 S, R 9 E, continued.

chains.

8000

Set a Granite stone 20 x 10 x 6 ins. 15 ins. in the ground, for Cor. to Secs. 2, 3, 34 & 35, marked with 4 notches on W. and 2 notches on E. edges; dug pits 18 x 18 x 12 ins. in each sec., 5½ feet dist., and raised a mound of earth 2 feet high, 4½ feet base, alongside.

A Mesquite 6 ins. dia. bears N 40° W 280. lbs. dist. marked S. 19 S., R. 9 E., S. 34, S. 5. No other trees within limits.

Land level. Soil 2nd rate.
 Timber scattering mesquite.
 Good grass.

Exterior of T_h 20 S, R 9 E, continued.

chains. S $89^{\circ} 40'$ W on a true line bet
Secs 3 and 34.

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

4000 Set a Granite stone $18 \times 12 \times 12$
ins., 12 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
N. face, dug pits $18 \times 18 \times 12$
ins. E. and W. of stone, 5'
feet dist., and raised a mound
of earth $1\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet
base, alongside.

8000 Set a Granite stone $16 \times 8 \times 8$
ins. 10 ins. in the ground, for
Cor. to Secs, 3 - 4 - 33 & 34,
marked with 3 notches on W.
and 3 notches on E. edges, and
raised a mound of stone along-
side. Site impracticable.

Exteriors Fr. 20 S, R 9 E, continued

chains Land level.

Soil 2nd and 3rd rate.

Grass good

Timber. some few mesquite.

S 89° 40' W on a true line
between Secs 4 and 33.

Var 12° 40' East

3000 Leave mesa land and enter
bottom land.

32.50 Wire fence bears N 30° E + S 10° W

+000 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; dig pits 18 x 18
x 12 ins. E and W of post, 5 $\frac{1}{2}$ ft.
dist., and raised a mound of

Exterior of 20 S. R 9 E, continued.

hamis. earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

5,800 Old road from Tucson to altar course N and S.

6,500 Wire fence, course N 40° E & S 15° W and leave bottom land and enter mesa land.

7,000 Road from Tucson to altar course N 40° E and S 15° W

8,000 Set a Granite stone 24 x 12 x 8 ins. 18 ins. in the ground, for Cor. to Secs. 4-5. 32 & 33, marked with 2 notches on N and 4 notches on E. edges; dug pits 18 x 18 x 12 ins. in each sec., $5\frac{1}{2}$ feet dist., and raised a mound of earth 2 feet high, $4\frac{1}{2}$ feet base, alongside.

Exteriors Th 20 S, R 9 E, continued.

From which

A Mesquite, 12 ins. dia. bears
 N $73^{\circ} 30' E$ 120 lbs. dist.
 marked J. 19 \$., R. 9 E., \$.
 33, B. J.

A Mesquite 10 ins. dia. bears
 S $75^{\circ} E$ 70. lbs. dist.
 marked J. 20 \$., R. 9 E., \$.
 4, B. J.

A Mesquite 10. ins. dia. bears
 N $72^{\circ} W$ 123. lbs. dist.
 marked J. 19 \$., R. 9 E., \$.
 32, B. J.

A Mesquite 8 ins. dia. bears
 N $11^{\circ} E$ 257 - lbs. dist.
 marked J. 19 \$., R. 9 E., \$.
 33, B. J.

Exteriors of 20 S, R 9, E, continued.

Chains Land level.

Soil in valley or bottom 1st class.
in mesa 2nd and 3rd rate.

Grass good.

Some scattering mesquite on
the mesa land.

$\angle 89^{\circ} 40' N$ on true line bet
Secs 5 and 32.

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

2800 Wash 3 chs wide. course $N 80^{\circ} E$.

4000 Set a Granite stone $24 \times 10 \times 8$
ins., 18 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
N. face, dug pit $18 \times 18 \times 12$
ins. E. and W. of stone. 5'
feet dist., and raised a mound

Exteriors Th. 20 S, R, E, continued.

Chains of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet base alongside. from which. A Mesquite 3 ins. diam., bears S 13° W. 37 - lbs. dist. marked: §. B. 5. No other trees within limits.

5500 Wash 100 yds wide, course N. E.

8000 Set a Granite stone $16 \times 12 \times 6$ ins. 10 ins. in the ground, for Cor. to Secs. 5. 6-31 & 32, marked with 1 notch on §. and 5 notches on E. edges, and raised a mound of stone alongside. Site impracticable.

Land level mesa.

Soil 2nd and 3rd rate.

Timber scattering Mesquite.

5/

Extensors Fr 20 S, R 9 E, continued.

chains S. $89^{\circ} 40' N$ on true line between
Secs 16 and 31.

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

22.00 Road from Sacramento to otero's
course N. W. and S. E.

39.50 Wash 15 M's wide, course S $80^{\circ} E$.

40.00 Set a Granite stone $20 \times 16 \times 8$
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
N. face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

49.50 Wash 10 M's wide course N. E.

50.37 The cor to Fps 19 and 20 S. Rd
8 & 9 East.

Land level mesa.

Exteriors T_p 20 S, R 9 E, Continued,

Soil 2nd & 3rd rate.

Grass Good.

Timber a few Scatt. & Mesquite.

22 August 1886.

General description.

The center of this T_p contains a large body of fine bottom land, which, with water, would raise large crops.

This tract of land runs thro. the center of the T_p from N to South, and a large portion of it is enclosed with a fence of posts and 5 barbed wires.

The S_{ro}. portion of the T_p

Exteriors T_p 20 S, R 9 E: continued -

is covered by the n. w. portion
of the Cijas mountains and
indications of mineral can
be found almost anywhere
in the mt and foothills.
The balance of the T_p consist
of level mesa lands covered
with fine grasses.

There is a scattering growth
of mesquite in the Township
principally in the Eastern
portion.

Sacundino has a ranche in
Secs 8 & 17 - and

Manuel Martinez has a
Ranch in Sec 24 -

This T_p should be subdivided.

George Prosser
U. S. Dep. Sur^{ce}

Field Notesof the Survey of theExterior Boundaries

of

Township N^o 20 South
Range N^o 8 East.

of the

Gila and Salt River
meridian

in the Territory of Arizona.

as surveyed by

George J. Roskrug

U. S. Deputy Sur^{or}Under his contract N^o 1 -Dated March 5th 1886.Survey commenced 29th Aug 1886,Survey completed 29th Aug 1886,

Exteriors of the 20 S. Range S. E.

on the night of 28th August 1886. I take an observation of the star Polaris, in accordance with instructions contained in the manual of Surveys and drove pickets on the line thus established.

Survey commenced 29th August 1886. with a Young and Sons Solar Transit.

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

Exterior of Tps 20 S. Range 8 E.

I begin at the Standard cor to
Tps 20 S. R⁶ 7 & 8 East. where I
find a post 36 in 2x2 marked
S. C. T 20 S. on N.

R 8^E S 31. on E and

R 7^W S 36. on W face with
6 notches on E and W edges.
and pits N. E and W of post.

I now set a Granite Stone 18x
12x7 in 12 in in the ground
for the Standard cor to Tps
20 S. R⁶ 7 & 8 E marked S. C.
on N with 6 notches on N. E.
and W edges. re-dug pits
24x18x12 crosswise on each
line N. E and W of stone 6
feet distant and raised a

Exteriors T_p 20 S, R 8 E, continued.

chains. mound of earth $2\frac{1}{2}$ ft. high
5 feet base alongside.

Thence I run

North between Secs 31 & 36.

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

4000 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 18 x 18
x 12 ins. N. and 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.

8000 Set a post 4 feet long 4 ins.
square, with marked stone
12 ins. in the ground, for cor
to Secs 25-30, 31 & 36. marked.

See Resurvey

Exterior of 20 S, R 8, E, continued.

BOOK 1485

T₁ 20 S. Sec. 30. on n E
 R. 8. E. Sec. 31. on S E.
 R. 7. E Sec. 36 on SW. and
 Sec 25 on n. n faces, with 5
 notches on the n and 1 notch
 on the South edge, dug pits
 18 x 18 x 12 in in each Sec 5 1/2
 ft dist, and raised a mound
 of earth, 2 feet high, 4 1/2 feet
 base around post -
 Land level -
 Soil 2nd class.
 Grass good.
 No Timber.

north bet Secs 25 and 30.
 Var 12° 40' E

Exteriors Jfr 20 S, R. & E. continued.

chains.

3950 arroyo 30 lks wide course East-
 4000 Set a Granite stone 18 x 14 x 12
 ins., 12 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. and S. of stone, 5 $\frac{1}{2}$
 feet dist., and raised a mound
 of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet
 base, alongside.

A Mesquite 12 ins. diam,
 bears S 82° E 46 - lks.
 dist. marked $\frac{1}{4}$ S. B. J.

A Mesquite 14 ins. diam,
 bears N 32° W 112 - lks.
 dist. marked $\frac{1}{4}$ S. B. J.

See Resurvey West bdy. 1902.

Exteriors T_h 20 S, R 8 E, continued -

BOOK 1485

Chains
8000

Set a Granite stone 18 x 18 x 8
ins. 12 ins. in the ground, for
Cor. to Secs. 19-24-25 & 30,
marked with 2 notches on S.
and 4 notch on N. edges, and
raised a mound of stone along-
side. Bits impracticable.

Land level.

Soil 2nd class.

Grass good.

Timber some few Mesquite
in the arroyo near the $\frac{1}{4}$ cor

North bet Secs 19 & 24

Var 12° 40' East.

4000 Set a Granite Stone 24 x 12 x 6 ins
18 ins in the ground for $\frac{1}{4}$ Sec

Exterior of Jh 20 S, R 8, E, continued.

chains cor marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins N W
of stone $5\frac{1}{2}$ feet distant. F
raised a mound of earth
 $1\frac{1}{2}$ feet high: $3\frac{1}{2}$ ft base
alongside.

5700 Arroyo 40 Mts wide, course E.

8000 Set a Granite stone $15 \times 15 \times 12$
ins. 10 ins. in the ground, for
Cor. to Pers. 13-18-19 & 24,
marked with 3 notches on S.
and 3 notches on N. edges, and
raised a mound of stone along-
side. Pitts impracticable.

A Mesquite 4 ins. dia. bears
N $89^{\circ} 40'$ W 161. Mts. dist.
marked S. 20 S., R. 7 E., S.
13, S. J. No other trees within limits.

Exterior of 20 S, R 8 E. continued.

chains Land rolling.
Soil 4th rate. Grass good.
Timber. Scattering mesquite.

North bet Secs 13 & 18

Var 12° 40' East

- 2050 Ranch Road course N 30° E
- 3200 Wash 30 lks wide, course East.
- 4000 Set a Granite 20 x 12 x 5
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, 1 $\frac{1}{2}$ feet high,
3 $\frac{1}{2}$ feet base, alongside, pits
impracticable.
- 7650 Ravine 10 feet deep, course East.

Exteriors T_p 20 S., R 8 E. continued.

chains

8000

Dug a Granite stone 16 x 12 x 6 ins. 10 ins. in the ground, for Cor. to Secs. 7-12-13 & 18., marked with 4 notches on S. and 2 notches on E. edges, and raised a mound of stone alongside. Dits impracticable.

Land rolling.

Soil 4th rate. Grass good. Timber some few scattering Mesquite.

North bet Secs 7 & 12

Var 12° 40' East

25.00 Ravine 10 feet deep course East

27.00 Ravine 7 feet deep course East

See Resurvey West Bdy. 1902.

Exteriors Fr 20 S, R & E. continued.

- | chains | |
|--------|--|
| 3100 | Tavine 15 feet deep. course East-
and line runs over East slope
of hill from the West - |
| 4000 | Set a Granite 12 x 8 x 6
ins., 8 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West face, and raised a
mound of Stone, 1 $\frac{1}{2}$ feet high,
3 $\frac{1}{2}$ feet base, alongside, pits
impracticable. |
| 4500 | Summit of East Slope of hill
300 feet high and descend. |
| 7000 | Foot and line runs over broken
ground. |
| 8000 | Set a Trimestone 24 x 12 x 6 ins
18 ins in the ground for cor to
Sees 1-6-7+12 marked with
5 notches on the South and |

Exteriors T_h 20 S, R 8, E, continued.

1 notch on n edges. and raised a mound of stone alongside, pits impracticable.

A Mesquite 6 ins. dia. bears N 20° W 177. lks dist. marked T. 20 S., R. 7 E., S.

1, B. J.

A Mesquite 4 ins. dia. bears N 65° W. 173 lks dist. marked T. 20 S., R. 7 E., S.

1, B. J. No other trees within limits.

Land rocky & mountainous.

Soil mineral & 4th rate.

Timber scattering mesquite.

Good Grass -

See Resurvey West Ady 1902.

Exterior of 20 S, R 8 E, continued.

chains. North bet Sees 1 & 6.

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

4000 Set a Granite Stone $20 \times 12 \times 6$
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
West. face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

4400 Road from Humbolt mining
camp to Tucson. Course E & W.
The Humbolt mining camp &
Mill is about one mile West
of this point.

4600 Main Arroyo from Humbolt camp
100 links wide. course East.

4800 Set a Granite stone $20 \times 12 \times 10$

Resurvey West Bay

exterior Jfr 20 S., R 8, E. continued.

is 15 m in the ground and marked with 6 notches on N. S. E & W edges for the cor to Jfrs 19 and 20 South Ranges 7 & 8 East, and raised a mound of stone alongside. pits impracticable.

A Mesquite, pins, dia. bears N 53° 30' W 100 lbs dist marked J. 19 S., R. 7 E., S. 36, B. J.

No other Trees within limits. Land rough and hilly. Soil mineral and Hth rate. Timber scattering Mesquite. Good Grass.

corners Tps 20 S, R 8 E, continued.

From the cor to Tps 19 and 20 S. R's 7 & 8 E. I run East on a random line, between said townships, the variation of my compass being $12^{\circ} 40'$ East. I set temporary half mile and mile corners at each 40 and 80 chains, and find the Tp line to be 5 miles 79 chains and 57 links long, and the falling to be 140 links South of the cor to Tps 19 and 20 South Ranges 8 & 9 East. The correction for the true line will therefore be $23\frac{1}{4}$ links North and 33 links West per mile, and its course will be $S 89^{\circ} 50' W$.

Exteriors Jp 20 S, R 8, E. continued.

Chains From the cor to Jps 19 and 20 S, R 8 & 9 E., which is a stone $15 \times 12 \times 10$. firmly set in the ground, with 6 notches on each edge, and pits n. s. & E. W. of stone 6 feet distant, with a mound of earth alongside of stone.

I run

S $89^{\circ} 50'$ N on a true line
bet Secs. 1 and 36.

Var $12^{\circ} 40'$ to

- 2,00 Road from Sacundino's Ranch
to Wasson & Browns. course N. N. W. S.
- 4,000 Set a Granite Stone $15 \times 8 \times 4$ ins
10 ins in the ground, for $\frac{1}{4}$ Sec.

Exterior of Sp 20 S., R 8 E. continued.

chains cor. marked $\frac{1}{4}$ on N face, dug pits $18 \times 18 \times 12$ ins E and W of stone $5\frac{1}{2}$ feet dist., and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ feet base alongside.

8000 Set a Granite stone $24 \times 12 \times 8$ ins. 18 ins. in the ground, for Cor. to Secs 1-2, 3, 5 & 36, marked with 5 notches on W and 1 notch on E. edges; dug pits $18 \times 18 \times 12$ ins. in each sec., $5\frac{1}{2}$ feet dist., and raised a mound of earth 2 feet high $4\frac{1}{2}$ feet base, alongside.

Land level.

Soil 2nd rate - Grass good -

Exteriors Tpk 20 S, R & E, continued.

chains No. Timber.

S 89° 50' N on a true line
between Secs 2 and 35.

Var 12° 40' East.

4000 Set a Granite stone 16 x 8 x 6
ins., 10 ins. in the ground,
for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
N. face, dug pits 18 x 18 x 12
ins. E. and W. of stone, 5½
feet dist., and raised a mound
of earth 1½ feet high, 3½ feet
base, alongside.

8000 Set a Granite stone 16 x 7 x 6 ins
10 ins in the ground, for cor to
Secs 2, 3, 34 and 35. marked
with 2 notches on East and

Exteriors Tfr 20 S., R 8, E, continued.

chains 4 notches on the West edges -
dug pits 18 x 18 x 12 ins, in
each Sec, 5½ feet dia, and
raised a mound of earth 2 feet
high 4½ feet base, alongside -
Land level -
Soil 2nd class. Grass good -
No Timber -

S 89° 50' N on a true line bet
Secs 3 & 34 -

Var 12° 40' E.

3028 Road from the Humbolt mining
camp to Tucson. course S. N. E. -

3800 Arroyo 20 links wide, course S. E.

4000 Set a Granite Stone 16 x 12 x 8 ins
10 ins in the ground for ¼ Sec. cor.

Exterior of Sh 20 S. R & E. continued.

Chains marked $\frac{1}{4}$ on N side - dug pits
 18 x 18 x 12 in E and W of stone,
 5 $\frac{1}{2}$ feet dia, and raised a
 mound of earth 1 $\frac{1}{2}$ feet high,
 3 $\frac{1}{2}$ feet base, alongside - from
 which.

A Mesquite 12 ins. diam.
 bears N 8° E. 232 - lbs
 dist. marked $\frac{1}{4}$ S. J.

A Mesquite 6 ins. diam.
 bears N 29° E. 205 - lbs
 dist. marked $\frac{1}{4}$ S. J.

5600 Arrows 20 links wide course E.

8000 Set a Granite stone 20 x 10 x 8
 in 15 in in the ground for
 cor to Secs 3-4-33 & 34 marked
 with 3 notches on E and 3

19
1400
Exterior of 20 S, R & E. continued.

Notches on W edges, dug pits 18×18
 $\times 12$ in in each Sec, $5 \frac{1}{2}$ ft. dist.
and raised a mound of earth
2 feet high $4 \frac{1}{2}$ feet base,
alongside.

Land a little broken.

Soil 2 & 3 \approx rate. Good grass.
Scattering Mesquite Timber in
arroyos.

S $89^{\circ} 50'$ N on a true line bet-
Sec 4 and 33.

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

Line commences to run up
gradual ascent of the foot hills
of the Baboquivari mountains.

Exterior of 20 S., R 8 E. continued.

chains

- 4000 Set a Granite stone 15 x 8 x 6 ins., 10 ins. in the ground, for 1st Sec. Cor., marked 1 on n. face, dug pits 18 x 18 x 12 ins. E. and W. of stone, 5¹/₂ feet dist., and raised a mound of earth 1¹/₂ feet high, 3¹/₂ feet base, alongside.
- 4025 Old road or Trail, course N. W 1/4 S.E.
- 7600 Ravine 10 feet deep, course S.E.
- 7980 Old road or Trail, course N. W 1/4 S.E.
- 8000 Set a Granite 24 x 16 x 12 ins 18u in the ground, for cor to Secs 4-5 32 & 33. marked with 4 notches on E and 2 notches on W, edges and raised a mound of stone alongside, pits impracticable.

now fr 20 S, R 8, E, continued.

Land broken. Foot hills.

Soil $\frac{1}{4}$ rate. Grass good.

No Timber.

S $89^{\circ} 50'$ W on a true line bet
Secs 5 and 32.

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

38. Ravine 10 feet deep, course S. 80° E.

40. Set a Granite Stone 20 x 8 x 4
ins., 15 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
N face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

A Mesquite 6 ins. diam,
bears N 80° E 10 - lbs.
dist. marked $\frac{1}{4}$ S. B. 5.

Exteriors of 20 S, R & E. continued.

Chains. A Mesquite 4 ins. diam,
 bears N. 85° W. 58. lbs.
 dist. marked $\frac{1}{4}$ S. B. J.

5500 Ravine 10 feet deep, course S. E.
 and line runs up north East
 slope of Hill from the S. E.

8000 Set a Quartzite stone 24 x 12 x 10
 ins. 18 ins. in the ground, for
 Cor. to S. S. 5. 6. 31 & 32,
 marked with 1 notch on S.
 and 5 notches on E. edges, and
 raised a mound of stone along-
 side. Site impracticable.

Land Mountainous.

Soil 4 $\frac{1}{2}$ ^{rate} humeralized. Good Grass.
 Timber a few Mesquite in the
 ravines.

Extensions of 20 S, R 8 E, continued.

- Chains S 89° 50' W on a true line between Sections 6 and 31. var 12° 40' E.
- 700 Summit of Saddle in hills about 500 feet above valley. and line runs along rough South Slope of a spur from the Baboquivari Mountains
- 4000 Set a Granite Stone 12 x 12 x 7 ins. 8 ins in the ground for 1/4 Sec. Cor., marked 1/4 on N face, and raised a mound of Stone, 1 1/2 feet high, 3 1/2 feet base, alongside, pits impracticable.
- 79-57 The cor to Tps 19 and 20 South Ranges 7 & 8 East.

Exteriors T_p 20 S, R 8 E. continued.

Land rough & mountainous.
Soil Mineral. Good grass.
Timber a few scattering mesquite.

29th August 1886.

General Description

The north west portion of this Township is covered by the foothills of the Baboquivari range of mountains, and contains Mineral. The Humbolt mining Camp and Mill lies about 1 mile S.W. from N.W. cor of T_p.

The balance of the T_p is level Mesa land covered with fine grasses. Mesquite and Sycamore abound in the arroyos.

terior of Tp 20 S, R 8 E, continued -

There is no live water in the Tp, but could easily be obtained by sinking in the arroyos running from the Baboquivari mountains -

With water for irrigating, a large portion of this Township could be made to yield almost any kind of a crop.

This Township should be subdivided -

George H. Roskruge

U. S. Deputy Surveyor

Field Notes

of the Survey of the

Exterior Boundaries

of
Township n^o 19 South
Range n^o 10 East

of the
Gila and Salt River
meridian

in the Territory of Arizona
as surveyed by

George J Roskrutz

U. S. Deputy Sur^r

Under his Contract n^o 1,

Dated March 5th 1886.

Survey commenced, 5th Sep 1886.

Survey completed 5th Sep. 1886.

Extensions of Jk 19 S. R 10. E.

On the night of 4th September 1886. I take an observation of the star Polaris, in accordance with instructions contained in the Manual of Surveys, and drove pickets on the line thus established.

Survey commenced 5th September 1886. with a Young and Sons, Solar Transit.

Before commencing this Survey I test my Compass on the line established last night and find it correct, and the Variation to be $12^{\circ} 43'$ East.

Exterior of $\text{Sp } 19 \text{ S. R } 10 \text{ E.}$

I began at the cor to $\text{Sp } 19 + 20 \text{ S.}$
 $\text{R } 9$ and 10 East-

which is a volcanic stone 20×10
 $\times 8$ ins firmly set in ground for
 the cor to $\text{Sp } 19$ and $20 \text{ S. R } 9$
 and 10 East - marked with 6
 notches on each face. and pits
 N. E. W. and S. of stone 6 feet dist.
 with a mound of earth along-
 side of stone. from which.

A Mesquite 8 ins. dia. bears
 $\text{S } 20^\circ \text{ W } 425$ - lbs. dist.
 marked $\text{J. } 20 \text{ S. R. } 9 \text{ E. } \text{S.}$
 1, B. J.

A Mesquite 10 ins. dia. bears
 $\text{S } 10^\circ \text{ W } 5' \text{ E } 358$ - lbs. dist.
 marked $\text{J. } 20 \text{ S. R. } 10 \text{ E. } \text{S.}$
 6, B. J.

Exteriors of Fr 19 S., R10 E. continued.

chains
 A Mesquite 4 ins. dia. bears
 S $230^{\circ} 45' E$ 136 lbs dist.
 marked J. 20 ϕ ., R. 10 E., ϕ .
 b. B. J.

A Mesquite 4 ins. dia. bears
 S $71^{\circ} 30' E$ - 115. lbs dist.
 marked J. 20 ϕ ., R. 10 E., ϕ .
 b. B. J.

Fence I run

North between Secs 31 & 36.

Var $12^{\circ} 43' E$

1000 Arrows 20 lbs wide, course West
 4000 Set a Granite Stone $12 \times 10 \times 10$ ins
 8 ins in the ground. for $\frac{1}{4}$ Sec
 cor. marked $\frac{1}{4}$ on West face. dug
 pits $18 \times 18 \times 12$ ins N and S of
 stone $5\frac{1}{2}$ feet distant, and

Exteriors of Jp 198, R 10 E. continued.

Chamis raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

8000 Set a Granite stone $24 \times 12 \times 8$ ins. 18 ins. in the ground, for Cor. to Secs. 25. 30 - 31 & 36, marked with 1 notch on S and 5 notches on N edges; dug pits $18 \times 18 \times 12$ ins. in each sec., $5\frac{1}{2}$ feet dist., and raised a mound of earth 2 feet high, $4\frac{1}{2}$ feet base, alongside, from which a Mesquite 8 ins. dia. bears S 22° E. 205 lbs. dist. marked J. 198., R. 10 E., S. 31, B. J.

Exteriors of Sp 19 S, R 10, E continued -

A Mesquite 6 ins. dia. bears
 S 49° W 121 - lbs dia
 marked T. 19 S., R. 9 E., S.
 36, B. J.

A Mesquite 8 ins. dia. bears
 N 63° W 291 - lbs. dist
 marked T. 19 S., R. 9 E., S.
 25, B. J.

A Mesquite 6 ins. dia. bears
 N 51° W 225 - lbs. dist.
 marked T. 19 S., R. 9 E., S.
 25, B. J.

Land level -

Soil 2nd class. Good Grass.
 Timber Scattering mesquite

iors of Sp 19 S, R 10, E continued.

North bet Secs 25 & 30

var $12^{\circ} 43' E$

14.00 Arroyo 20 lks wide, course West.

25.50 Arroyo 30 lks wide, course West.

40.00 Set a Volcanic 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. and S. of Stone, $5\frac{1}{2}$
feet dist., and raised a mound
of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
base, alongside. from which.

A Mesquite 4 ins. diam.,
bears $S 13^{\circ} E$ 92. lks.

dist. marked $\frac{1}{4}$ S. B. J.

A Mesquite 6 ins. diam.,
bears $N 82^{\circ} W$ 161 - lks.

dist. marked $\frac{1}{4}$ S. B. J.

Exterior of Fr 19 S, R 10 E, continued

Chains

80,00

Set a Volcanic stone 18 x 10 x 6 ins. 12 ins. in the ground, for Cor. to Secs. 19-24-25 & 30, marked with 2 notches on S. and 4 notches on W. edges; dug pits 18 x 18 x 12 ins. in each sec., 5½ feet dist., and raised a mound of earth 2 feet high, 4½ feet base, alongside - from which.

A Mesquite 3 ins. dia. bears N 57° E 135. lks. dist. marked S. 19 S., R. 10 E., S.

19, S. 5.

A Mesquite 3 ins. dia. bears N 73° E 148. lks. dist. marked S. 19 S., R. 10 E., S.

19, S. 5.

Exterior of 19 S, R 10 E continued -

chains
 O Mesquite 3 ins. dia. bears
 S 80° E. 126 - lks. dist.
 marked T. 19 S., R. 10 E., §.
 30, S. T.

O Mesquite 3 ins. dia. bears
 S 60° E. 217 - lks. dist.
 marked T. 19 S., R. 10 E., §.
 30, S. T.

Land level.
 Soil 2nd rate. Grass good.
 Timber. Scattering Mesquite.

North bet Secs 19 & 24
 Var 12° 43' E.

4000 Set a volcanic stone 18 x 12 x 6 in
 12 in in the ground, for 1/4 sec
 cor. marked 1/4 on West face, du

Exteriors of Jp 19 S, R 10 E, continued.

chain pits $18 \times 18 \times 12$ ins. N and S of
stone $5 \frac{1}{2}$ feet dist, and raised
a mound of earth $1 \frac{1}{2}$ ft high,
 $3 \frac{1}{2}$ feet base, alongside, from
which.

A Mesquite 4. ins diam,
bears S 330° E. 32. lbs.
dist. marked; S. B. J.

A Mesquite .3. ins diam,
bears N 12° E 5.7. lbs.
dist. marked; S. B. J.

8000 Set a Volcanic Stone $20 \times 10 \times 8$ ins
15 ins in the ground for cor to
Secs 13-18-19 & 24 marked with
3 notches on the S and 3
notches on the N edges. dug
pits $18 \times 18 \times 12$ ins, in each Sec.

Exterior of 19 S. R 10' E continued.

5½ feet dist, and raised a mound of earth 2 feet high 4½ ft base alongside. from which -

A Mesquite, 6 ins. dia, bears S 36° E - 204. lbs dist. marked J. 19 S., R. 10 E., S. 19, B. J.

A Mesquite 6 ins. dia, bears S 72° E. 60 lbs dist. marked J. 19 S., R. 10 E., S. 19, B. J.

A Mesquite 4 ins. dia, bears N 30° E 100 lbs. dist. marked J. 19 S., R. 10 E., S. 18, B. J.

A Mesquite 8 ins dia bears N 80° E 244 lbs dist. marked J. 19 S. R. 10 E.

Exterior Fr 19 S, R 10 E continued

Chains See 18. B. J.

Land level.

Soil 2nd class, Grass good.

Timber scattering Mesquite.

North bet sees 13 & 18

Var $12^{\circ} 43' E$.

2000 Arroyo 600 links wide - course N. W.

4000 Set a Volcanic stone $16 \times 12 \times 8$
 ins., 11 ins. in the ground
 for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ cr
 W. face, dug pits $18 \times 18 \times 12$
 ins. N. and S. of Stone. 5
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
 base, alongside. from which
 a Mesquite 8 ins dia bears N to
 W. 18 Ws dist marked $\frac{1}{4}$ S. B. J.

Exteriors of Fr 19 S, R 10 E continued.

ains A Mesquite 6. ins. diam,
bears S 23. W. 50. lks.
dist. marked 1 S. B. J.

80.00 Set a Granite stone 12 x 10
x 6 ins. 8 ins. in the
ground, for Cor. to Secs.
7- 12. 13 & 18, marked with
H notches on S. and 2
notches on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5 1/2 feet dist., and raised
a mound of earth 2 feet high,
4 1/2 feet base, alongside from which.
A Mesquite 6 ins. dia, bears
S 38° E. 205. lks. dist.
marked S. 19 S., R. 10 E., S.
18, B. J.

Externors Jfr 19 S, R10, E, continued -

A Mesquite 8 ins. dia, bears
 S 61° E - 162 - Vks. dist.
 marked J-19 S., R-10 E., S.
 18, B. J.

A Mesquite 5 ins. dia, bears
 N 78° E - 214 - Vks. dist.
 marked J-19 S., R-10 E., S.
 7, B. J.

A Mesquite 6 ins. dia, bears
 N 23° E - 172 - Vks. dist.
 marked J-19 S., R-10 E., S.
 7, B. J.

Land level -

Soil 2nd rate, Grass good -
 Timber scattering Mesquite -

tenors Fr 19 S, R 10, E continued.

is North bet Secs 7 & 12.

Var $12^{\circ} 43' E$.

12 0 Enter Wash - course n. w.

20 0 Leave Wash - course n. w.

40. 0 Set a Granite stone 16 x 8 x 6
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. and S. of stone, $5\frac{1}{2}$
feet dist., and raised a mound
of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
base, alongside. from which.

A Mesquite 6 ins. diam,
bears S $31^{\circ} E$. 84 - lbs.
dist. marked $\frac{1}{4}$ S. B. J.

A mesquite 8 ins diam bears
n. $36^{\circ} E$. 162 lbs dist marked $\frac{1}{4}$ S.

Anterioro Fr 19 S, R 10 E. continued

anis B. J.

59,00 Arroyo 15 Mts wide, course N. W.

6000 Old road or Trail, course N. E. F. S. W.

80,00 Set a Volcanic stone 20 x 10
 x 6 ins. 15 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 x 18 x 12 ins. in each
 sec., 5 1/2 feet dist., and raised
 a mound of earth 2 feet high,
 4 1/2 feet base, above side from which
 Mesquite 6 ins. dia, bears
 S 86° W. 112 lbs. dist.
 marked T. 19 S., R. 9 E., S.

12. B. J.

Exterior Fr 19 S, R 10 E, continued.

A Mesquite 6 ins. dia. bears
 S 83° W - 41 - lbs. dist.
 marked T. 19 S., R. 9 E., S.
 12, B. J.

A Mesquite 4 ins. dia. bears
 S 39° E - 32 - lbs. dist.
 marked T. 19 S., R. 10 E., S.
 7, B. J.

A Mesquite 8 ins. dia. bears
 S 79° E - 52 - lbs. dist.
 marked T. 19 S., R. 10 E., S.
 7, B. J.

Land level -

Soil 2nd rate. Grass Good.
 Timber Scattering Mesquite.

Exteriors Tr 19 S, R 10 E. continued.

Chairs North bet Secs 1 & 6.

Var $12^{\circ} 43' E$.

17-50 Arroyo 15 Mls wide course n. w.

30-50 Arroyo 20 Mls wide course West.

40,00 Set a Granite Stone $20 \times 15 \times 5$ ins., 15 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N. and S. of Stone, $5\frac{1}{2}$ feet dist., and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

51-50 Arroyo 30 Mls wide. course West.

64,00 Arroyo 20 Mls wide, course n. w.

70-50 Arroyo 30 Mls wide, course $n 70^{\circ} W$.

80,00 Set a Granite Stone $22 \times 10 \times 6$ ins
16 ins in the ground for cor to

rows Jh 19 S. R 10 'E continued

Townships 18 and 19 S. R 9 + 10
East. marked with 6 notches on
each edge, dug pits 18 x 18 x 12 ins
n. S. E. and W of stone 6 feet dist
and raised a mound of earth
2 feet high 4 1/2 feet base, along
side.

Land level.

Soil 2nd class. Grass good.
Timber scattering, mesquite
and palo Verde.

Exterior of Tps 19 S, R 10 E, continued.

From the cor to Tps 18 and 19 S
R 9 and 10 East, I run East on
a random line, between said Tps.
The variation of my compass
being $12^{\circ} 45'$ East. Set temporary
half mile and mile corners at
each 40 and 80 chains, and
find the Township line to be
 $\frac{1}{2}$ miles 6 chains and 80 links
long, and the falling to be 70
links north of the cor to Tps 18
and 19 South Ranges 10 and 11 E.
The correction for the true line
will therefore be 6 chains & 80
links East per mile, and $11\frac{1}{2}$ links
South per mile, and its course
will be $S 89^{\circ} 55' W$.

Exteriors Tfr 19 S, R 10 E, continued.

Chain

From the cor to Tps 18 and 19 S
 R 10 and 11 E. which is a
 Granite 12 x 10^{ins} above ground and
 firmly set in the ground. marked
 with 6 notches on N. S. & E. W. edges.
 and a mound of stone alongside
 from which a Mesquite 12 ins diam
 bears S 68° E. 85 links dist. marked
 B. T. J. 19. R. 11. S 6. no other trees
 within limits.

S run

N 89° 55' W on a true line
 between Sections 1 & 36.

Var 12° 45' E.

- 30 Wash 2 chs wide, course S 70° W.

10.75 Road from Wards Ranch to Tucson

Exteriors T_h 19, S, R, 10, E - continued.

chain. course N and S.

4000 Set a Granite Stone 24 x 14 x 14
ins., 18 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
north face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable from which.

A Mesquite 12 ins. diam.,
bears N 80° W 87 lbs.
dist. marked $\frac{1}{4}$ S. S. 5.

A Mesquite .5. ins. diam.,
bears S 17° 30. E. 104 lbs.
dist. marked $\frac{1}{4}$ S. S. 5.

8000 Set a Granite Stone 30 x 12 x 10
ins 22 ins in the ground for
cor to Secs 1-2. 35 & 36, marked

nos T_h 19 S, R 10, E - continued -

one notch on E and 5 notches on W edges, dug pits 18x18x12 ins, in each sec 5½ feet dist. and raised a mound of earth and stone alongside, from which

A Mesquite 8 ins. dia. bears S 22° E - 274. lbs dist. marked T. 19 S., R. 10 E., S.

1. B. J.

No other trees within limits.

Land rolling mesa - Good grass.

Soil stony and Hth rate.

Timber Scattering mesquite.

N 89° 55' W on a true line between Secs 2 & 35.

Exeteriors Fr 19 S, R 10 E, -continued

chains

Var $12^{\circ} 45' E$.

4000

Set a Granite Stone $18 \times 12 \times 8$ ins., 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on north face, and raised a mound of Stone, $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside, pits impracticable from which

A Mesquite 6 ins. diam, bears $S 15^{\circ} W$ 180 lbs. dist. marked $\frac{1}{4}$ S. B. 5.

A Mesquite 4 ins. diam, bears $S 23^{\circ} E$. 180 lbs. dist. marked $\frac{1}{4}$ S. B. 5.

61.54 Arroyo 8 Mts wide, course $S W$.74.25 Road from Wards to Tucson, course $N 80^{\circ} E$ and $S 80^{\circ} W$.

Externois Jh 198, R10, E. continued.

Chains

8000

Set a Granite stone 18 x 12
x 10 ins. 12 ins. in the
ground, for Cor. to Secs.
2, 3, 34 & 35, marked with
4 notches on W. and 2
notches on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec. 5½ feet dist., and raised
a mound of earth 2 feet high,
4½ feet base, alongside. from
which

A Mesquite 14 ins. dia. bears
N 77° E. 60 lbs dist.
marked T. 18 S., R. 10 E., S.
35, B. 5.

A Mesquite 8 ins dia bears
S 49° W. 97 lbs dist marked

Exterior of T_h 19 S. R. 10 E. - continued -

T. 19 S. R. 10 E. Sec 3. B. T.
A Mesquite 6 ins. dia. bears
S 66° 30' W 125 lbs dist.
marked T. 19 S., R. 10 E., S.
3, B. T.

A Mesquite 4 ins. dia. bears
N 24° 30' W 222 lbs. dist.
marked T. 18 S., R. 10 E., S.
34, B. T.

Land level.
Soil 2nd rate, Grass good.
Timber, scattering mesquite

N 89° 55' W on a true
line between sections 3
and 34.

Var 12° 45' E.

terrors Th 19 S, R 10. E. continued.

40.70⁷⁰ Set a Volcanic stone 14 x 12 x 8
ins., 9 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
North face, dug pits 18 x 18 x 12
ins. E. and W. of stone, $5\frac{1}{2}$
feet dist., and raised a mound
of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
base, alongside - from which
A Mesquite 16 ins. diam.,
bears S 76° E - 78. lbs.
dist. marked $\frac{1}{4}$ S. B. J.

A Mesquite 4. ins. diam.,
bears S 11° W 59. lbs.
dist. marked $\frac{1}{4}$ S. B. J.

7075 Road from wards to Lucson
course North and S 80° E. a branch
road runs South from this point.

Exteriors T_h 19 S, R 10, E. - continued -

chains

8000

Set a Granite stone 18 x 12
x 8 ins. 12 ins. in the
ground, for Cor. to Secs.
3. 4. 33 & 34, marked with
3 notches on S. and 3
notches on E. edges; dug
pits 18 x 18 x 12 ins. in each
sec., 5½ feet dist., and raised
a mound of earth 2 feet high,
4½ feet base, alongside. from which
A Mesquite 3 ins. dia. brass
S 86° E 59. lbs dist.
marked T. 19 S., R. 10 E., S.

3, B. J.

A Mesquite 4 ins. dia. brass
S 20° 30' E 235 lbs dist.
marked T. 19 S., R. 10 E., S.

3, B. J.

Exteriors Fr 19 S, R. 10 E - continued -

chain Land level.

Soil 2nd class. Grass good.
 Timber Scattering mesquite.

N $89^{\circ} 55' W$ on a true line
 between Sles 4 and 33.

Var $12^{\circ} 45' E$.

4000 Set a Volcanic stone $12 \times 12 \times 8$
 ins., 8 ins. in the ground,
 for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on
 N. face, dug pits $18 \times 18 \times 12$
 ins. E. and W. of stone, $5\frac{1}{2}$
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
 base, alongside. from which
 a Mesquite 4 ins. diam,
 bears N $79^{\circ} 30' E$. 272 lbs.
 Dist. marked $\frac{1}{2}$ S. B. J.
 No other trees within limits.

Exteriors Th 19 S, R 10 E - continued -

Chains.

7200 Road or Trail course N + S.

8000 Set a Granite stone 20 x 14 x 6 ins. 15 ins. in the ground, for Cor. to Secs. 4. 5. 32 & 33, marked with 2 notches on W and 1 notch on E. edges; dug pits 18 x 18 x 12 ins. in each sec., 5½ feet dist., and raised a mound of earth 2 feet high, 4½ feet base, alongside from which.

A Mesquite 6 ins. dia. bears N 85° 30' W 310 lbs dist. marked T. 18 S., R. 10 E., S. 32, B. 5.

teriors Jh 19 S, R 10 E = continued.

A Mesquite 5 ins. dia. bears
 n 83° W 220 lbs dist.
 marked T-18 S., R-10 E., S.
 32, B. J.

A Mesquite 6 ins. dia. bears
 n $76^{\circ} 45'$ W 274 lbs dist.
 marked T-18 S., R-10 E., S.
 32, B. J.

A Mesquite 4 ins. dia. bears
 n 61° E 77 lbs dist.
 marked T-18 S., R-10 E., S.
 34, B. J.

Land level.

Soil 2nd rate - grass good.

Trüber scattering Mesquite.

Exteriors Fr 19 S, R. 10 E - continued -

Chains N $89^{\circ}55'W$ on a true line
between Secs 5 and 32.

Var $12^{\circ}45'E$.

2,00 Arroyo 10. M's wide course S $85^{\circ}W$

39,60 Same arroyo 15 M's wide, course
N $70^{\circ}W$.

4,000 Set a Granite Stone 16 x 8 x 4
ins., 10 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
North. face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable.

78,60 Road or Trail course N and S.

8,000 Set a Granite Stone 18 x 16 x 6
ins 12 ins in the ground, for
cor to Secs 5. 6. 31 & 32 with 5

Exteriors of 19 S, R 10, E, - continued -

chains notches on the East and 1 notch on the West edges, dug pits $18 \times 18 \times 12$ in each Sec $5\frac{1}{2}$ ft dist, and raised a mound of earth 2 feet high, $4\frac{1}{2}$ ft base alongside Iron Land level.

Soil 2nd and 3rd rate.

Grass good.

Timber some few Mesquite.

$N 89^{\circ} 55' W$ on a true line between Sections 6 and 31-

Far $12^{\circ} 45' E$.

4000 Set a Granite Stone $14 \times 10 \times 5$ in 9 in in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ on N face, and

Exteriors of 19 S, R 10, E. continued.

Chains - raised a mound of stone
 $1\frac{1}{2}$ feet high. $3\frac{1}{2}$ feet base,
 alongside, pits impracticable.
 From which

A Mesquite. 4 ins. diam.
 bears N $60^{\circ} 30' E$. 98 lbs.
 dist. marked $\frac{1}{4}$ S. B. 5.

A Mesquite 8 ins. diam.
 bears S $10^{\circ} 30' E$. 306 lbs.
 dist. marked $\frac{1}{4}$ S. B. 5.

86,80 Hence to Fps 18 & 19 & R 9 & 10 E.
 Land level.

Soil 2 & 3 rate. Grass good.
 Timber a few Mesquite.

5th September 1886.

114
eriors T_h 19 S, R 10, E, - continued.

General Description

The S.E. portion of this Township is covered by the Cerro Colorado Mountain and foot hills. and contains mineral.

The balance of the T_h is level Mesa land and is covered with a heavy growth of fine grasses.

The Timber in the Township consists of a scattering growth of mesquite and some palo verde. Wards Corral is in Sec 1.

The Ranch House being just East of the Township line. With water for irrigation a

Exteriors T_h 19 S., R 10, E, - continued -

large portion of this Township
could be made to yield almost
any kind of a crop.

This Township should be
subdivided -

George Prokrige

U. S. Deputy Sur^{or}

Field Notes

of the survey of the
Exterior Boundaries
of
Township n^o 19, South
Range n^o 9, East
of the
Gila and Salt River
meridian
in the
Territory of Arizona,
as surveyed by
George J. Roskrige
U. S. Deputy Sur^v

Under his Contract n^o 1
Dated March 5th 1886 -

Survey commenced 12th Sep, 1886.
Survey completed 12th Sep, 1886.

BOOK 1400
Exteriors of Tr 19, S.R. 9, East.

On the night of 11th September 1886. I take an observation of the Star polaris, in accordance with instructions contained in the manual of Surveys, and drove pickets on the line thus established.

Survey commenced 12th September 1886. with a Young and Sons, Solar Transit.

Before commencing this survey I test my compass on the line established last night and find it correct and the variation to be $12^{\circ} 43'$ East.

122
Exteriors of $\text{Sp } 19 \text{ \& } R 9 E.$

Chains. I begin at the cor to $\text{Spes } 19 \text{ \& } 20 \text{ S.}$
 Ranges $8 \text{ \& } 9 \text{ E.}$ which is a
 Granite Stone $15 \times 12 \times 10$ inches
 firmly set in ground for the cor
 to $\text{Spes } 19$ and 20 S. Range $8 \text{ \& } 9 \text{ East.}$
 marked with 6 notches on each
 face, and pits N, E, W. and S of
 stone 6 feet dist, with a mound
 of earth alongside of stone.

Thence I run

North bet $\text{Secs } 31 \text{ \& } 36.$

Var $12^{\circ} 43' \text{ E.}$

1650 Arroyo 30 lks wide, course E.

2700 Arroyo 20 lks wide, course E.

4000 Set a Granite Stone $12 \times 8 \times 6$ ins
 8 ins in the ground for $\frac{1}{4}$ Sec
 cor, marked $\frac{1}{4}$ on West face, dug

Exteriors Jh 19 S, R 9, E-continued.

chains pits 18 x 18 x 12 ins N & S of stone 5 1/2 feet dist, and raised a mound of earth 1 1/2 feet high. 3 1/2 feet base, alongside.

8000 Set a Granite stone 20 x 10 x 8 ins. 15 ins. in the ground, for Cor. to S.E., 25-30-31 & 36, marked with 1 notch on S. and 5 notches on E. edges; dug pits 18 x 18 x 12 ins. in each dir., 5 1/2 feet dist., and raised a mound of earth 2 feet high, 4 1/2 feet base, alongside.

Land level.

Soil 1st and 2^d Grade. Grass good.
No Timber.

Exteriors Th 19 S, R 9 E. continued.

chain North bet Secs 25 & 30.
 Var $12^{\circ} 43' E$.

15.50 Wash 30 lbs wide course n. e.

4000 Set a Granite stone $18 \times 8 \times 6$
 ins., 12 ins. in the ground,
 for $\frac{1}{4}$ Sec. Cor., worked $\frac{1}{4}$ on
 W. face, dug pits $18 \times 18 \times 12$
 ins. n. and S. of stone, $5\frac{1}{2}$
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
 base, alongside.

7000 Road from Humbolt Mining
 Camp to Tucson, course SW n. E.

8000 Set a Granite Stone $12 \times 10 \times 8$
 in 8 in in the ground for
 the cor to Secs 19-24-25 & 30
 marked with 2 notches on S.

Exteriors T_h 19 S, R 9 E, continued.

chains and 4 notches on north edges,
dug pits 18 x 18 x 12 ins. in
each Sec. 5½ feet dist. and
raised a mound of earth
2 feet high 4½ feet alongside
land level.

Soil 1st & 2nd rate.

Grass good.

No Timber.

North bet Secs 19 & 24

var 12° 43' E.

650 Road from Sacundinos to
Otero's Ranch. course N 30° W
and S 35° E.

4000 Set a Granite 22 x 8 x 8 ins
17 ins in the ground for ¼ Sec.

eriors Jh 19 S. R 9, E - continued -

cor. marked $\frac{1}{4}$ on West face,
dug pits $18 \times 18 \times 12$ ins N & S
of stone $5\frac{1}{2}$ feet distant, raised
a mound of earth $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base alongside.

8000 Set a Granite stone 24×12
 $\times 12$ ins. 18 ins. in the
ground, for Cor. to Secs.
13, 18, 19 & 24, marked with
3 notches on S. and 3
notches on N. edges; dug
pits $18 \times 18 \times 12$ ins. in each
sec., $5\frac{1}{2}$ feet dist., and raised
a mound of earth 2 feet high,
 $4\frac{1}{2}$ feet base, alongside.

Land level.

Soil 1 + 2nd rate - Good Grass
no Timber.

Exteriors Th 19 S, R 9, E continued

chains North bet Secs 13 & 18
 Var $12^{\circ} 43' E$.

2400 Road from Wasson & Brown Ranch
 to Tucson - course n. E. & S. W.

4000 Set a Granite stone $16 \times 8 \times 6$
 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. and S. of stone, $5\frac{1}{2}$
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
 base, alongside.

5500 Arroyo - Sycamore, 100 links wide
 course n. E.

69-50 Arroyo 30 links wide, course
 n $60^{\circ} E$. runs into Sycamore
 Arroyo at about 15 chains East.

Exteriors Fr 19 S, R 9, E-continued.

chains

8000 Set a Granite stone 20 x 6
 x 6 ins. 15 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 x 18 x 12 ins. in each
 sec., 5 1/2 feet dist., and raised
 a mound of earth 2 feet high,
 4 1/2 feet base, alongside from which.
 A Mesquite 4 ins. dia. bears
 S 30° W. 140 lbs. dist.
 marked T. 19 S., R. 9 E., S.
 13, B. 5.

A Mesquite 4 ins. dia. bears
 S 15° W. 295 lbs. dist.
 marked T. 19 S., R. 9 E., S.
 13, B. 5.

exterior of 19 S. R. 9, E. - continued -

ains A Mesquite 6 ins. dia. bears
 S 5° W 245 lbs. dist.
 marked J. 19 S., R. 9 E., S.
 13, S. 5.
 no other tree near.
 Land level.

Soil 2nd rate. Grass good.
 Scattered Mesquite Timber
 last 30 chains.

North bet Secs 7 & 12
 var $12^{\circ} 43' E$.

9.00 Old wagon road course N.W.
 and S.E. Tracks very dim.

4.00 Set a Granite Stone $12 \times 8 \times 6$
 ins 8 ins in the ground for
 $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on West
 face, and raised a mound

riors Jh 19 S, R 9, E - continued.

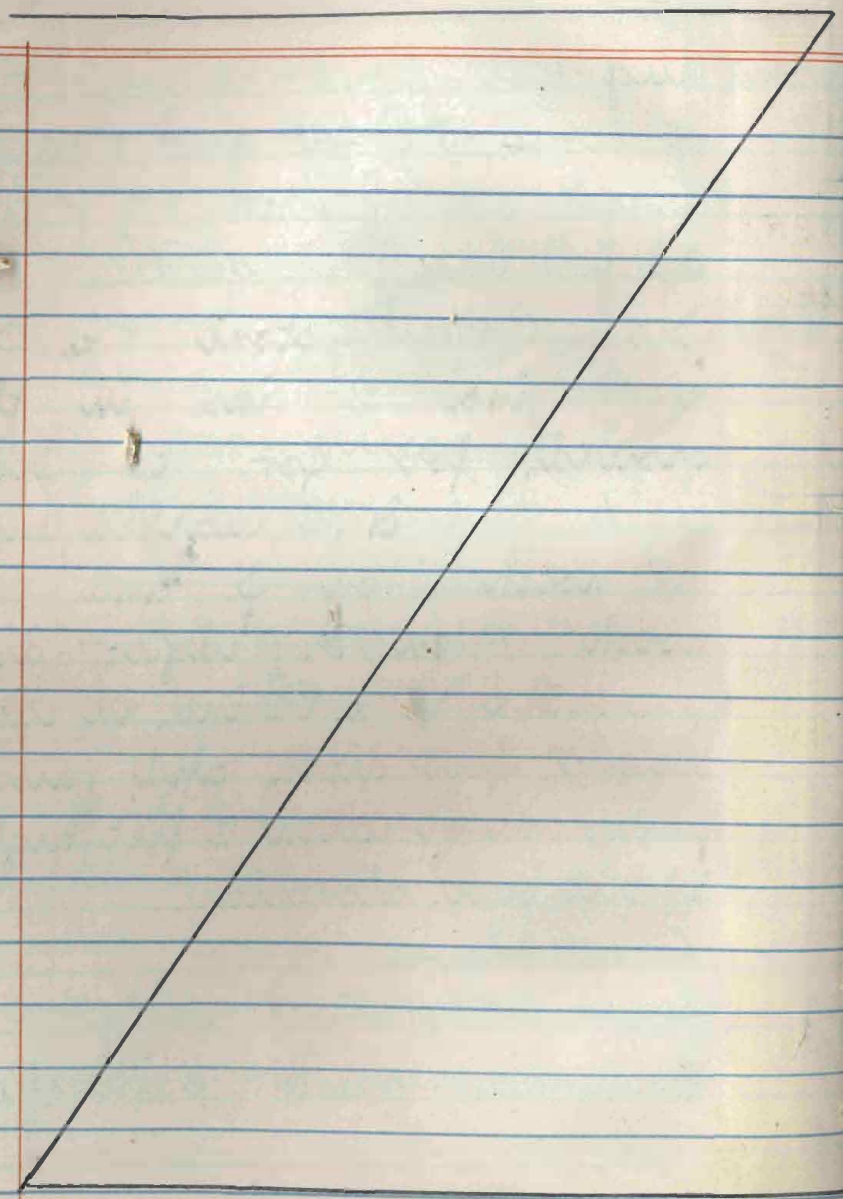
dug pits $18 \times 18 \times 12$ ins N & S
of stone $5\frac{1}{2}$ feet dist, & raised
a mound of earth $1\frac{1}{2}$ ft high,
 $3\frac{1}{2}$ feet base, alongside.

Set a Granite stone 18×12
 $\times 6$ ins. 12 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., $5\frac{1}{2}$ feet dist., and raised
a mound of earth 2 feet high,
 $4\frac{1}{2}$ feet base, alongside.

Land level.

Soil 2nd rate. Grass good

Timber Scatt. mesquite S end of line.



Exteriors T_h 19 S, R 9 E - continued -

Chain North bet Secs 1 + 6
 T_{ar} 12° 43 E.

35.00 Arroyo 70 lks wide, course E.

40.00 Set a Granite stone 12 x 8 x 6
 ins., 8 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. and S. of stone, 5 $\frac{1}{2}$
 feet dist., and raised a mound
 of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet
 base, alongside.

53.50 Road from Otero's to Respiñosa
 course to FW.

80.00 Set a Granite Stone 14 x 12 x 10
 ins, 9 ins. ⁱⁿ the ground for the cor
 to Townships 18 + 19 S R 9 + 10 E.
 marked with 6 notches on

Exteriors Tps 19 S, R 9 E. - continued.

N. S. E and W edges. dug pits
 18 x 18 x 12 in n. S. E & W of
 stone 5 1/2 feet dist. Fraised
 a mound of earth 2 ft high
 4 1/2 ft base alongside.

Land level.

Soil 2nd rate.

Timber a few Mesquite.

From Heacor to Tps 18 & 19 S
 Rs 8 & 9 E. I run East on a
 random line between said
 Tps. The variation of my
 Compass being 12° 48' E.

I set temporary half mile
 and mile corners at 40 & 80

180
BOOK 1480
Exteriors Fr 19 S. R 9 E-continued.

chain and find the pline to be 6 miles and 30 links long. and the falling to be 2 chs & 94 links South of the cor to the 18 & 19 South Ranges 9 & 10 East. The correction for the true line will therefore be 49 links North and 30 links East per mile and its course will be $S 89^{\circ} 39' N$.

From the cor to the 18 & 19 S. R 9 and 10 E.

which is a Granite Stone $22 \times 10 \times 6$ ins, set firmly in the ground, marked with 6 notches on N. S. E & W edges.

Exteriors Jfr 19 S, R 9 E. continued.

chains with pits n s. to W of stone,
and mound of earth alongside
I run

S 89° 39' W on a true line
between sees 1 + 36.

Var 12° 48' E.

25.70 Arroyo 40 lbs wide - course N. W.
4000 Set a Granite stone 14 x 10 x 6
ins., 9 ins. in the ground,
for 1st Sec. Cor., marked 1 on
N. face, dug pits 18 x 18 x 12
ins. E. and W. of Stone, 5½
feet dist., and raised a mound
of earth 1½ feet high, 3½ feet
base, alongside.

teriors Jh 19 S, R 9 E, - continued.

us
80.00 Set a Granite stone 15 x 12 x 10
ins. 10 ins. in the ground, for
Cor. to Secs. 1 - 2. 35 & 36,
marked with 5 notches on S.
and 1 notch on E. edges, and
raised a mound of stones along-
side Site impracticable.

Land gently rolling.

Soil 3rd 4th rate. Grass good.
Timber. Scattering Mesquite.

S 89° 39' N on a true line
bet Secs 2 & 35.

Var 12° 48' E.

27.00 Gulch 10 feet deep. course n. w.

40.00 Set a Granite Stone 13 x 10 x 8 ins
9 ins in the ground for $\frac{1}{4}$ Sec

Exteriors Th 19 S, R 9 E. - continued

chains. Cor, marked $\frac{1}{4}$ on N face. dug
 pits $18 \times 18 \times 12$ ins. E & W of
 stone $5\frac{1}{2}$ feet dist, and raised
 a mound of earth $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base alongside. from
 which.

A Mesquite 5 ins. diam,
 bears S 27° W. 209 lbs.
 dist. marked; S. B. J.

A Mesquite 4 ins. diam,
 bears S 20° E. 180 lbs.
 dist. marked; S. B. J.

4700 Leave rolling mesa & enter
 bottom land.

8000 Set a post 4 feet long 4 ins.
 square, with marked stone 12
 ins. in the ground, for cor to

Exteriors Jh 19 S, R 9 E - continued.

Secs 2, 3, 34 & 35 marked.

F. 18. S. S 35. on N. E.

R. 9. E S 2. on S. E.

J. 19 S S 3 on S. W and
S 34 on N. W. faces with 2
notches on E. and 4 notches
on W. edges. dug pits 18 x 18 x 12
in. in each Sec 5 1/2 ft. dia.
and raised a mound of earth
2 feet high, 4 1/2 feet base.
around post.

Land for 47 che rolling mesa
& Soil 3 & 4th rate.

Land in bottom level F 1st class.
Timber a few Mesquite on mesa.
Grass on mesa and in bottom
good.

Exteriors Th 19 S, R 9 E - continued.

chains S $89^{\circ} 39'$ W on a true
line bet Sec 3 and 34.

Far $12^{\circ} 48' E$.

1800 Road from Tucson to Altar in
Mexico. course $N 10^{\circ} E$ $\frac{1}{2}$ $\frac{1}{2}$ S 15 W.
and leave bottom $\frac{1}{2}$ enter level
Mesa Land.

4000 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 x 18
x 12 ins. E and 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.

The Ranch House of
Espuosa bears S $30^{\circ} 30'$ E 2790 ch.

riors Jp. 19 S, R 9 E - continued -

s distant from Hue corner -

80.

Set a post 4 feet long. 4 in sq. with marked stone 12 in in the ground for Huecor to Secs 3, 4, 33, 34. marked.

J 18 S. S 34 on n.e.

R 9 E. S 3 on S E.

J 19 S S 4 - on S. W. and Sec 33 on n. W. face, with 3 notches on E and 3 notches on W edges. dug pits 18 x 18 x 12 in in each Sec 5 1/2 feet dist and raised a mound of earth 2 feet high. 4 1/2 feet base around post - from which a mesquite 6 in dia bears n. 30° W.

238 links dist, marked J 18 S R E. S 33 - B.T.

Exteriors T_h 19 S, R 9, E - continued -

nis, in each Sec 5½ feet dist.
and raised a mound of earth
2 feet high. 4½ feet base.
around post - from which.

A Mesquite 6 ins. dia. bears
S 30° E - 354 - lks. dist.
marked T. 19 S., R. 9 E., S.

H. B. J.

A Mesquite 5 ins. dia. bears
S 24° E. 189 lks. dist.
marked T. 19 S., R. 9 E., S.

H. B. J.

A Mesquite 4 ins. dia. bears
S 1° E - 140 - lks. dist.
marked T. 19 S., R. 9 E., S.

H. B. J.

A Mesquite 8 ins. dia. bears

terrors Jr 19 S, R 9 E - continued -

ins S 22° W. 182 lks dist. marked

J 19 S, R, 9, E. S 4. B. J.

Land level.

Soil 2nd class. Grass good.

Timber Scattering Mesquite.

S $89^{\circ} 39'$ W on a true line
bet Secs 5 and 32.

Var $12^{\circ} 48'$ E.

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 x 18
x 12 ins. E and 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.

Exteriors T_h 19 S, R 9 E. - Continued.

chains. A Mesquite 8 ins. diameter
 bears S 80° W - 163 - lbs.
 dist. marked $\frac{1}{2}$ S. S. 5.

No other trees within limits.

8000 Set a post 4 feet long 4 inches
 square, with marked stone 12
 ins. in the ground, for cor to
 Secs 5. 6. 31 & 32. marked.

T 18. S. S. 32. on N. E.

R 9. E. S. 5. on S. E.

T 19 S. S. 6. on S. W. and

S. 31 on N. W. faces with 5
 notches on E and one notch 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 feet high, 4 $\frac{1}{2}$ feet base around

Exteriors Jh 19 S, R 9 E - Continued -

chain post -

Land level -

Soil 2^o class. Grass good -

Timber a few Mesquites -

S 89° 39' W on a true line
bet Secs 6 & 31'

Var 12° 48' E

4000

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 x 18
x 12 ins. E and 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.

80,30

The cor to Jps 18 & 19 S, R 9 & 9 E.

Exteriors T_h 19 S, R 9 E - continued.

Land level.

Soil 2^o class. Grass good.

No Timber.

12th September 1886.

General Description

Running thro the center of this T_h from N to S is a fine body of 1st class land, which with water would raise large crops. The greater portion of the bottom land is enclosed with a fence of posts & 5 strands of barbed wire.

Thomas Fayler has a ranche in Sec 27. and Jose F,

riors T_h 19 S, R 9 E. - continued

Espuosa has a Rancho in Sec 3. The land on the East side of the valley consists of rolling mesa. covered with fine grasses, the balance of the T_h is level mesa. covered with fine grasses.

The Timber in the T_h consists of some scattering Mesquite & Palo Verde.

There is no living water in the T_h - water being caught & stored in Charcos or water holes. This Township should be subdivided.

George Proskuge
U. S. Deputy Sur^r

Field Notes

of the Survey of the

Exterior Boundary Line

of
Township n^o 19, South.

Range n^o 8, East.

of the
Gila and Salt River Meridian
in the

Territory of Arizona.

as surveyed by

George H. Roskruige

U. S. Deputy Sur^r

Under his Contract n^o 1 -

Dated March 5th 1886 -

Survey commenced Sep. 20, 1886.

Survey completed Sep. 20, 1886.

Extensions of Township 19 SR 8 East

✓ on the night of Sept: 19. 1886. I take an observation of the Star Polaris, in accordance with instructions contained in the manual of Surveys, and drove pickets on the line thus established.

Survey commenced 20th September 1886, with a Young and Sons Solar Transit.

Before commencing this Survey I test my compass on the line established last night and find it correct, and the variation to be $12^{\circ} 48'$ East.

Exterior of $\# 19 \& R 8.E.$

on account of the rough & precipitous mountains of the Baboquivari Range, it was impossible to run the West boundary line of this $\#$.
I therefore

Begin at the cor to $\# 18 \& 19 \&$.
Ranges $8 \& 9 E.$ which is a
Granite Stone $14 \times 12 \times 10$ ins
set firmly in the ground, with
6 notches on N. S. E. & W faces.
and pits N. S. E. & W of stone 6 ft
distant - and a mound of earth
alongside.

Thence I run

West on a true line bet Secs 1 & 36
for $12^{\circ} 48' E.$

Exterior of Fr 19 S, R 8 E. - continued.

chains

4000

Set a Granite stone $15 \times 8 \times 6$ ins., 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor., marked $\frac{1}{2}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E. and W. of stone, $5\frac{1}{2}$ feet dist., and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside. From which a Mesquite 6 ins. diam., bears N 28° W. 114 - lbs. dist. marked $\frac{1}{2}$ S. B. 5.

no other tree within limits

7600

Arroyo 30 links wide course S.E.

8000

Set a Granite stone $14 \times 8 \times 6$ ins. 10 ins. in the ground, for the cor to Secs 1-2, 35 and 36. marked with 1 notch on E and 5 notches on W edges. dug pits $18 \times 18 \times 12$

Exteriors Jh 19 S, R 8 E - continued.

me, in each Sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth - 2 feet high, $4\frac{1}{2}$ ft base alongside - from which

A Mesquite 8 ins. dia. bears
 S 63° W 160 - lbs. dist.
 marked J. 19 S., R. 8 E., S.
 2, B. J.

A Mesquite 6 ins. dia. bears
 S 2° E. 86 - lbs. dist.
 marked J. 19 S., R. 8 E., S.
 1, B. J.

A Mesquite 4. ins. dia. bears
 S 11° E. 78 - lbs. dist.
 marked J. 19 S., R. 8 E., S.
 1, B. J.

A mesquite 6 ins. dia. bears.

Exterior Jfr 19 S. R. 8. E. - continued.

chain. S 34° E. 164 lks dist, marked
 J. 19. S. R. 8. E. S. 1 - B T
 Land level -

Soil 2nd rate. Grass good.
 Timber Scattering Mesquite -

West on true line bet
 Secs 2 & 35.

Var 12° 48' E.

4000 Set a Granite stone 12 x 12 x 10
 ins., 8 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. and W. of Stone, $5\frac{1}{2}$
 feet dist., and raised a mound
 of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet
 base, alongside. From which

Exterior Jk 19 S, R 8, E. - continued -

chains A Mesquite 12 ins. diam,
 bears S 82° W 450 - Yrs.
 Dist. marked 1 S. B. 5.

No other trees within limits.

4500 Road from Oteros to Espinosa's
 course S 70° E and N 70° W.

6200 Road from Oteros to Sacundinos
 course S. E and N. W. these
 roads come together about 10 chs
 N. W from this point -

7000 Leave level mesa and foot of
 little rocky hill. and enter the
 foothills of the Baboquivari Mts.

8000 Set a Granite $20 \times 12 \times 12$ ins 15
 ins in the ground for the cor
 to Secs 2, 3, 34 & 35 marked
 with 2 notches on E and 4

Exteriors Jh 19 S, R & E.-continued-

notches on W edges. and raised a mound of stone, alongside path unpracticable from which.

A Palo Verde 6 ins. dia. bears
N 73° E. 74 - lbs. dist.
marked J. 18 ϕ ., R. 8 E., ϕ .

35, B. J.

A Palo Verde 6 ins. dia. bears
S 19° E. 71 - lbs. dist.
marked J. 19 ϕ ., R. 8 E., ϕ .

2, B. J.

A Palo Verde 8 ins. dia. bears
S 73° E. 95 - lbs. dist.
marked J. 18 ϕ ., R. 8 E., ϕ .

2, B. J. No other trees within limits.

Land level for 70 chains:

Exteriors Tfr 19 S, R 8 E. - continued.

ains Soil 2nd class. good grass.
 Last 10 chains rough & rocky Soil
 4th class.
 Timber scattering, mesquite & palo
 Verde.

West on a true line bet Secs
 3 & 34.

Var $12^{\circ} 48' E$.

4000 Line runs along and up the
 South slope of a spur from the
 Baboquivari mountains. and
 on the S. W. slope of rocky hill
 set a Granite Stone $24 \times 8 \times 8$ ins
 18 ins in the ground, for $\frac{1}{4}$ Sec
 cor, marked $\frac{1}{4}$ on N face and
 raised ^{a mound} of stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft

Exteriors Tr 19 S, R 8, E, continued

- | | |
|--------|---|
| chains | feet base alongside pits.
impracticable. |
| 4400 | Summit of ridge - about 500 ft.
above valley. course of ridge
N and S - F commence descent |
| 60.50 | Foot of hill. 350 feet below the
Summit and line runs along
a little flat |
| 7200 | Leave little flat & again enter
rocky hills. |
| 8000 | Set a Granite stone 24 x 16 x 10
ins. 18 ins. in the ground, for
Cor. to Secs. 3 - 4 - 33 & 34
marked with 3 notches on S
and 3 notches on E. edges, and
raised a mound of stone along
side pits impracticable. |

Exteriors Tfr 198, R 8, E - continued -

chains Land rough, rocky & mountainous.
Soil 4th rate.
No Timber.

West on true line between
4 and 33

var $12^{\circ} 48' E$.

Line ascending from cor

1600 Summit of ridge about 400 feet
above the little flat & line runs
over broken ridges.

1300 Ravine 30 feet deep course N.

2000 Ravine 20 feet deep course N.

4000 Set a Granite Stone 30 x 10 x 10
ins., 21 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
North face, and raised a

Exteriors Th 19 S, R 8 E, continued,

chains mound of stone $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base alongside, pits
 impracticable. from which
 On oak Tree 4 ins. diam.
 bears N 84° E. 50 - lbs.
 dist. marked $\frac{1}{4}$ S. 5.

On oak Tree 12 ins. diam.
 bears N 86° W. 103. lbs.
 dist. marked $\frac{1}{4}$ S. 5.

- 5300 Ravine 20 feet deep course N.
 6000 Ravine 10 feet deep course N.
 67.50 Ravine 10 feet deep course N 20° E.
 8000 Set a Granite stone $20 \times 8 \times 8$
 ins. 15 ins. in the ground, for
 Cor. to Sess. 4-5. 32 & 33.
 marked with 2 notches on W.
 and 4 notches on E. edges, and

Exterior of Jr 19 S, R 8 E - continued -

chain raised a mound of stone
alongside - pits impracticable.
Land rough & mountainous.
Soil 4th rate.
Timber a few oaks

West on a true line bet
Secs 5 & 32.

Var $12^{\circ} 48' E$.

- 1500 Gulch 10 feet deep, course North.
38.50 Gulch 12 feet deep - course north
4000 Set a Granite Stone $24 \times 14 \times 6$
ins. - 18 ins. in the ground,
for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on
N - face, and raised a
mound of Stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside, pits
impracticable. from which

Exteriors Fr 19 S, R 8, E - continued.

On oak Tree, 14, ins. diam.,
 bears N 32° E. 175 lbs.
 dist. marked $\frac{1}{4}$ S. B. J.

On oak Tree 18. ins. diam.,
 bears S 7° E. 120 lbs.
 dist. marked $\frac{1}{4}$ S. B. J.

on account of the impassible
 bluffs of the Baboquivari
 Mountain, I cannot possibly
 extend this line any further
 West -

20th September 1886 -

The East half of this Township
 embraces both level and rolling
 lands that are covered with
 a heavy growth of nutritious
 grasses, black & white grama -

Nov 19 S. R. & E. continued.

The Western portion of the Township is covered by the Baboquivari Range of mountains - rough rocky and precipitous. covered with a scattering growth of live oak timber.

There are indications of mineral in the S.W. cor of the Township, but no mines have been discovered that will pay the expense of working.

Wasson and Brown are located in Sec 24 and are engaged in stock raising.

Brown has a house in Sec 31.

This Township should be subdivided.

George Proskrug

U. S. Deputy Sur

Field Notes

of the Survey of the
Exterior Boundaries
of
Township N^o. 18, South.
Range N^o. 10, East -
of the
Gila and Salt River
meridian
in the
Territory of Arizona
as surveyed by
George Hoskrug
U.S. Dep: Sur:
under his Contract N^o. 1.
Dated March 6th 1886.
Survey commenced 25 Sep 1886
Survey completed - 25 Sept 1886.

exterior of T₂ 18 South Range 10 East

on the night of Sep 24th 1886.
I take an observation of the
star Polaris, in accordance
with instructions contained in
the manual of survey and
drove pickets on the line
thus established.

Survey commenced
25th Sept 1886, with a Young
and Sons Solar Transit.

Before commencing
this survey I test my
compass on the line est-
-ablished last night and find
it correct, and the variation
to be $12^{\circ} 48'$ East.

Exterior of Tp 18, S. R. 10 E.

Continued

I begin at the cor to Tps 18 & 19 S. & R. 9 & 10, E., which is a Granite Stone $22 \times 10 \times 6$ inches, set firmly in the ground, with 6 notches on N. S. E & W. edges. with pits N. S. E & W of stone 6 feet distant, and a mound of earth alongside of stone.

Thence I run

North bet Secs 31 & 36.

For $12^{\circ} 48' E$.

over level land

Set a granite Stone $18 \times 12 \times 6$ 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 N and S of Stone $5\frac{1}{2}$ feet dist and raised a mound of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base

Exterior of T_h 18 South Range 10 E
continued

chains alongside -

61.00 Enter wash course N 75° W.

65.00 Leave wash course N 75° W.

80.00 Set a Volcanic Stone 20 x 14 x 6 ins

15 ins in the ground for cor to
Secs 25, 30, 31 and 36, marked
with 1 notch on the S and 5
notches on the N edges dug
pits 18 x 18 x 12 ins, in each Sec
5½ ft dist, and raised a mound
of earth 2 feet high, 4½ feet
base alongside. from which
a mesquite 10 ins dia, bears
S 1° W 12 links dist, marked
T 18 S. R 9 E. S 36. B. J.
a mesquite 10 ins dia bears
S 19° W 32 lks dist, marked
T 18 S R 9 E. S 36. B. J.

Exterior of Sp 18 South Range 10 East
continued.

chains no other trees within limits - 24
Land level.
Soil 2 F 3 rate -
Timber Scattering Mesquite - 1

North bet Secs 25 and 30
var $12^{\circ} 48'$ East -
over level land

1,000 old road or trail, course East W
2,000 Arroyo 150 Wk wide, course West. a
4,000 Set a Volcanic Stone $15 \times 12 \times 10$ in $\frac{1}{2}$
10 in, in the ground for $\frac{1}{4}$ Sec co
marked $\frac{1}{4}$ on N face, dug pits
 $18 \times 18 \times 12$ in N and S of Stone -
 $5\frac{1}{2}$ feet dist, and raised a mound
of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet
base, alongside -

Exterior of Sp 18 S Range 10 E.
continued.

Chains

- 49.50 Arroyo 30 Uls wide, course $N 40^{\circ} W$.
 61.00 Arroyo 40 Uls wide, course $S 80^{\circ} W$.
 72.00 Arroyo 25 Uls wide, course $S 60^{\circ} W$.
 80.00 Set a Granite Stone $16 \times 10 \times 5$ ins
 12 ins in the ground for cor to
 Secs 19. 24. 25 and 30 marked
 with 2 notches on the S and 4
 notches on the 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 feet high $4 \frac{1}{2}$ ft base,
 alongside.
 Land level.
 Soil 2 & 3 rate.
 No Timber.
-

Exterior of Sp 18 S. R 10 East Continued

- | | |
|--------|---|
| Chains | North between Secs 19 and 24
Var $12^{\circ} 48'$ East
over Gently rolling ground. |
| 2000 | Arrows 20 lks wide course West. |
| 2700 | Arrows 100 lks wide course $N 80^{\circ} W$. |
| 3800 | Old Road or trail, course E and W. |
| 4000 | Set a granite stone $18 \times 8 \times 6$ ins
12 ins in the ground for $\frac{1}{4}$ Sec
cor, marked $\frac{1}{4}$ on West face. dug
pile $18 \times 18 \times 12$ ins N and S of
stone $5 \frac{1}{2}$ feet dist, and raised a
mound of earth $1 \frac{1}{2}$ feet high $3 \frac{1}{2}$
feet base, alongside. |
| 5400 | Arrows 1 ch wide course West. |
| 6000 | Arrows 50 lks wide course $N 45^{\circ} W$. |
| 78.50 | Road course N E and S. W. |
| 8000 | Set a Granite Stone $18 \times 12 \times 6$ ins |

Exteriores Twp 18 South Range 10 E
Continued

Chains

12 ins in the ground, for cor
to Secs 13-18-19 and 24,
marked with 3 notches on N and
S edges, dug pits 18 x 18 x 12 ins
in each Sec $5\frac{1}{2}$ feet dist, and
raised a mound of earth 2 ft-
high $4\frac{1}{2}$ feet base, alongside -
from which

a mesquite, 8 ins in dia bears
N 52° W 230 Ws dist, marked
J. 18. S. R. 9. E. S. 13. B-T.

a mesquite, 6 ins dia bears
N 67° E - 275 Ws dist, marked
J. 18. S. R. 10. E. S. 18. B-T.

No other trees within limits -

Land gently rolling -

Soil 2 and 3 rate

Timber Scattering mesquites -

Exteriores T_p 18 S Range 10 East.
continued

Chains North bet Secs 13 and 18 -

Var $12^{\circ} 48'$ East.

over level laid

1.50 Arroyo 30 U_s wide course West.

39.00 Arroyo 10 U_s wide course West.

40.00 Set a Volcanic Stone $15 \times 12 \times 7$ ins
10 ins in the ground for $\frac{1}{4}$ Sec co
marked $\frac{1}{4}$ on N face, dug pits $18 \times$
 18×12 ins N and S of Stone $5 \frac{1}{2}$ ft
dist, and raised a mound of
earth $1 \frac{1}{2}$ feet high, $3 \frac{1}{2}$ ft base
alongside. from which
a Mesquite 10 ins dia bears $S 60^{\circ} W$
190 U_s dist, marked $\frac{1}{4}$ S, B.T.
no other trees within limits.

53.50 Arroyo 150 U_s wide course N $45^{\circ} W$.

77.50 Arroyo 10 U_s wide course N $70^{\circ} W$.

Extensions of T_p 18 S. R. 10 E.
Continued -

chains
8000

Set a Granite Stone 20 x 14 x 8 ins
15 ins in the ground for cor to
Secs 7-12-13 and 18 marked with
4 notches on the S and 2 notches
on the N edges, dug pits 18 x 18 x 12
ins, in each Sec, 5 ½ feet distant,
and raised a mound of earth
2 feet high 4 ½ ft base alonged
from which
a mesquite 10 ins dia bears S 10° E
239 1/2 dist marked T_p 18 S. R. 10 E.
S 18. B.T. No other trees within
limits.

Land level.

Soil 2 and 3 rate.

Some Scattered Mesquite trees
and Brush along line.

Sections of Tp 18, S, Range 10 E,
Continued

North between Secs 7 and 12.

Far $12^{\circ} 48' E$
over level land.

3,500 Arroyo 15 M's wide course West.

19,500 Arroyo 10 M's wide course West.

37,000 Arroyo 18 M's wide, course West.

40,000 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 N face dug pits $18 \times$
 18×12 ins N and S of stone $5\frac{1}{2}$ ft
dist and raised a mound of
earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet base
alongside. from which -

amesquite 4 ins dia bears $N 14^{\circ} E$

63 M's dist, marked $\frac{1}{4}$ S. B.T.

amesquite 4 ins dia bears $N 40^{\circ} W$

52 M's dist, marked $\frac{1}{4}$ S. B.T.

Exteriors of Tp 18 S, Range 10 E.
Continued

Chains

45.00 Arroyo 50 Mts wide, course West.

8000 Set a granite stone 16 x 14 x 10 ins -
11 ins in the ground for cor to
Secs 1, 6-7 and 12 marked with
5 notches on the S and 1 notch
on the N edges. dug pits 18 x 18
x 12 ins in each Sec 5 1/2 feet
dist, and raised a mound of
earth 2 feet high 4 1/2 ft base
alongside.

Land level -

Soil 2 and 3 rate -

Timber some few mesquite
and brush -

Exteriors of Tp 18 S Range 10 E -
continued -

Chains North bet Secs 1 & 6 -

Var $12^{\circ} 48' E$

7.00 Arroyo 18 M's wide course \approx West.

35.00 Arroyo 50 M's wide course West.

40.00 Set a Turbstone $16 \times 14 \times 10$ ins //

ins in the ground for $\frac{1}{4}$ Sec cor
marked $\frac{1}{4}$ on W face, dug pits $18 \times$
 18×12 ins N and S of stone $5\frac{1}{2}$
feet dist, and raised a mound
of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base
alongside - from which

Amesquite 4 ins dia bears $S 10^{\circ} W$
105 links dist marked $\frac{1}{4}$ S. B. T.

Amesquite 5 ins dia bears $S 80^{\circ} E$
12 M's dist. marked $\frac{1}{4}$ S. B. T.

65.00 Arroyo 100 M's wide course $N 80^{\circ} W$.

77.00 Arroyo 10 M's wide course $N 70^{\circ} W$.

Exterior of Tp 18 South Range 10 E.
Continued.

Chain
8000

Set a Granite stone $16 \times 10 \times 10$ ins
11 ins in the ground for the cor
to Tps. 17 and 18 S, Ranges 9 and 10
E, marked with 6 notches on each
edge. dig pits $24 \times 18 \times 12$ ins
lengthwise on each line N. S. E
and W of stone 6 feet distant
and raised a mound of earth
 $2\frac{1}{2}$ feet high 5 feet base alongside
from which

a Palo Verde 3 ins dia bears $N 64^\circ E$
66 Ws dist marked J 17 S R 10 E
Sec 31. B.T.

a Palo Verde 4 ins dia bears $N 74^\circ E$
116 Ws dist marked J 17 S R 10 E.
Sec 31. B.T.

a Palo Verde 4 ins dia bears $S 83^\circ E$
87 Ws dist marked J 18 S R 10 E

Exteriors Tps 18 S Range 10 E.

Continued.

Chains

S. B. T.

No other trees within limits.

Land level.

Soil 2 and 3 rate.

Timber a few mesquite and Palo Verde -

From the cor to Tps 17 and 18 S. Rts 9 and 10 East I run East on a random line between said Townships, the variation of my compass being $12^{\circ}50'$ East. I set temporary half mile and mile corners at each 40 and 80 chs. and find the Township line to be 6 miles one chain and 30 links long, and the falling

Exterior of Tp 19 S R. 10 E continued

to be 70 links N of the cor to
Tps 17 and 18 S. Ranges 10 & 11
E. The correction for the true
line will therefore be $11\frac{1}{2}$ $N^{\circ} 55' S.$
and 1 chain and 30 links East-
per mile, and its course will
be $N 89^{\circ} 55' W.$

From the cor to Tps 17 and 18 S.
Ranges 10 and 11 East which
is a granite stone $14 \times 10 \times 8$
in size firmly set in the ground.
marked with 6 notches on
N, S, E and W faces and a
mound of stone alongside.

I run

$N 89^{\circ} 55' W$ on a true line
between Secs 1 and 36.

Exterior Sp 19 S. R 10E. continued.

Chains

Var 12°50' East

over rough rocky mountain slope
commencing descent from corner

- 1300 Ravine 10 feet deep course S 70° W.
- 2200 Ravine 15 feet deep course S 30° W.
- 3000 Ravine 15 feet deep course S 10° W.
- 3900 Ravine 20 feet deep course N 70° W.
- 4000 Set a Granite Stone 18 x 12 x 6 ins
12 ins in the ground for $\frac{1}{4}$ Sec cor
marked $\frac{1}{4}$ on N face and raised
a mound of stone $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ feet base, alongside. pits
impracticable. from which
mesquite 14 ins dia bears N 87° E
58 links dist marked $\frac{1}{4}$ S. B. T.
no other trees within limits.
- 5200 Ravine 10 feet deep course N 40° W.
- 7100 Ravine 8 feet deep course N 60° W.

Exteriors Sp 18 S R 10 E. continued.

Chain

8000

Set a Granite Stone $18 \times 10 \times 8$ in
 12 in in the ground for the cor-
 to Secs 1-2. 35 and 36 marked with
 1 notch on the E and 5 notches on
 the Wedges, and raised a mound
 of stone alongside, pits impracticable.
 Land rough and mountainous.
 Soil mineral & worthless.
 Timber a few mesquite -

$N 89^{\circ} 55' W$ on a true line
 between Secs 2 and 35.

Far $12^{\circ} 50'$ East.

Line runs over rough hills.

800 Ravine 6 feet deep course $N 15^{\circ} W$
 and commence ascent of little
 hill.

1900 Summit about 300 feet high & commence

eriors T_p 18 S R 10 E. continued

descent

- 34 foot of hill and ravine 2 feet deep
course S 45° W.
- 40 Set a Granite Stone 18 x 12 x 4 in
12 in in the ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on the N face, dug pits
18 x 18 x 12 in E and W of stone
5 $\frac{1}{2}$ feet distant and raised a
mound of earth 1 $\frac{1}{2}$ feet high 3 $\frac{1}{2}$ ft
base, alongside. from which
mesquite 6 in dia bears N 8° W 170
Wts dist marked $\frac{1}{4}$ S. B. T.
mesquite 6 in dia bears N 45° E
130 Wts dist marked $\frac{1}{4}$ S. B. T.
- 41.50 Little ravine 1 ft deep course S 35° W
- 45.50 Road from Steven's Ranch to the
Ranch of Charley Ward course
N and S:

Exterior of T_p 18 S R 10 E. continued.

- 45.50 Ravine 3 feet deep course S 45° W.
- 59.50 Ravine 4 feet deep course South and commence ascent of rocky spur from Mountain on the north.
- 7200 Summit of spur and line runs along over summit.
- 75.00 Ravine 10 feet deep course South.
- 79.00 Ravine 10 feet deep course South.
- 8000 Set a Limestone 24 x 12 x 10 ins 18 ins in the ground for the cor to Secs 2, 3, 34 & 35 marked with 2 notches on the E and ^{notches} 4 on the West edges, and raised a mound of stone alongside. pits impracticable.
- Land rough & mountainous
Soil Mineral & worthless -
Timber a few Mesquite.

Ecterior of 18 S. R. 10. E. continued.

- Chains N $89^{\circ}55'W$ on a true line
between Secs 3 and 34.
Far $12^{\circ}50'$ East
Line commences descent from cor
and runs down over rough rocky
Mountain Spur.
- 300 Ravine 6 feet deep course South.
- 700 Ravine 7 feet deep course S $10^{\circ}W$.
- 2400 Ravine 4 feet deep course S $20^{\circ}W$.
- 38.50 Same ravine 6 feet deep course N $30^{\circ}W$.
- 4000 Set a Granite $14 \times 14 \times 10$ ins 10 ins
in the ground for $\frac{1}{4}$ Sec cor. marked
 $\frac{1}{4}$ on North face and raised a
mound of stone $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft
base alongside. pits impracticable.
from which a Mesquite 6 ins in
dia bears S $7^{\circ}W$ 196 links dist.
marked $\frac{1}{4}$ S. B. T.

Exterior of T₁₈ & R₁₀E. continued.

Chamie Amesquite 6 mi dia bears S¹⁹°W
 267 Me dist marked $\frac{1}{4}$ S. B. T.
 and here leaves rocky hills and
 enter gently rolling land.

8000 Set a Granite Stone 16 x 14 x 8 mi
 12 mi in the ground for cor to
 Secs 3. 4. 33 and 34 marked with
 3 notches on E and W edges and
 dug pits 18 x 18 x 12 mi, in each
 Sec 5 $\frac{1}{2}$ feet dist, and raised a
 mound of earth 2 feet high 4 $\frac{1}{2}$
 feet base alongside, from which.
 a mesquite 6 mi dia bears S¹⁷°W
 190 Me dist marked T₁₈ & R₁₀E &
 H. B. T.

Amesquite 5 mi diam bears S²¹°W
 260 Me dist marked T₁₈ & R₁₀E
 & H. B. T. no other trees within limits.

185
2000 1485
rior Sp 18 SR 10 E. continued

Land rocky & mountainous first
 $\frac{1}{2}$ mile. balance rolling.
Soil mineral & worthless.
Timber some few mesquite.

$N 89^{\circ} 55' W$ on a true line
between Secs 4 and 33.

Far $72^{\circ} 50' E$.

over gently rolling land.

28
40
Wash 2 chs wide course $N 45^{\circ} W$.
Set a Granite ^{stone} $24 \times 14 \times 6$ ins 18 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 and W of stone $5 \frac{1}{2}$ feet dist,
and raised a mound of stone
and earth $1 \frac{1}{2}$ feet high. $3 \frac{1}{2}$ feet
base alongside.

Exteriors Sp 18 & R 10 E. continued

Chains

58.00 Arroyo 15 M's wide course N 25° W.

72.00 Arroyo 25 M's wide course N 50° W.

8000 Set a Granite Stone 20 x 10 x 8 ins
15 ins in the ground for cor to
Secs 4, 5, 32 and 33 with 4
notches on the E and 2 notches
on the W edges, and raised
a mound of stone alongside.
Pits impracticable.

Land rolling.

Soil 3 and 4th rate

Timber a few mesquite.

N 89° 55' W on a true line
bet Secs 5 and 32.

Var 12° 50' East.

over gently rolling land.

Exteriors 7p18 & R 10. E. continued.

Chain

- 4000 Set a Granite Stone $15 \times 12 \times 6$ ins
 10 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 and W of stone
 $5\frac{1}{2}$ feet dist, and raised a mound
 of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet
 base - alongside from which
 a Mesquite 4 ins dia bears $N 71^\circ E$
 109 Ms dist marked $\frac{1}{4}$ S. B-T-
 a Mesquite 4 ins dia bears $N 80^\circ W$
 43 Ms dist marked $\frac{1}{4}$ S B-T.
 a gulch course E & West is about
 50 Ms South of this cor. and
 is 1 chain wide.
- 7700 Same Gulch 2 chs wide course
 $N 70^\circ W$.
- 8000 Set a Granite Stone $18 \times 12 \times 4$ ins

Exterior Jp 18 & R 10, E, continued.

- Chain 12 in in the ground for cor to
Secs 5. b. 31 & 32 marked with
5 notches on the E and 1 notch
on the W edges and raised a
mound of stone alongside, pits
impracticable. from which
mesquite 6 in dia bears $N 55^{\circ} E$
190 Yds dist marked T 17 & R 10 E
& 32. B.T.
- A mesquite 4 in dia bears $N 34^{\circ} E$
272 Yds dist marked T 17 & R 10 E.
& 32. B.T.
- A Palo Verde 8 in dia bears $N 40^{\circ} W$
194 Yds dist marked T 17 & R 10 E.
& 31. B.T.
- Mesquite 6 in dia bears $N 58^{\circ} W$
275 Yds dist marked T 17 & R 10 E
& 31. B.T.

Exteriores # 18 & R 10 E. continued.

Ch^o: Land gently rolling.
Soil 2 & 3 rate.
Timber scattering mesquite and
Palo Verde.

North $89^{\circ} 55' W$ on a true line
between Secs 6 and 31-

Far $12^{\circ} 50' E$

over gently rolling land -

2400 Arroyo 18 M's wide course $S 45^{\circ} W$

4000 Set a Granite Stone $12 \times 8 \times 7$ ins
& 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 and W of stone
 $5\frac{1}{2}$ feet dist, and raised a
mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$
feet base alongside.

Exteriors Tps 18 & R 10 E. continued.

Cham
81.30

The cor to Tps 17 and 18 & Rs
9 and 10 E.

Land gently rolling -
Soil 2 & 3 rate

Timber some few palo verde.
25th Sep 1886.

General Description

This Township is covered by
several Buttes or hills of
volcanic formation. There
are no settlers in the
Township, and very little
of the land is fit for either
agriculture or grazing purposes.
and should not be subdivided

George H. Rostkue,
U. S. Dep. Sur.^{or}

Field Notesof the Survey of theExterior Boundaries
ofTownship N^o 18. SouthRange N^o 9. East
of theGila and Salt River
Meridianin theTerritory of Arizonaas surveyed byGeorge RuskrugeU. S. Deputy SurUnder his Contract N^o 1Dated March 5th 1886.Survey commenced 27 Sep. 1886.Survey completed 27 Sep. 1886

Exteriors 7p 18 S.R. 9 - East.

on the night of Sept^r: 26th 1886
I take an observation of the
Star Polaris, in accordance
with instructions contained
in the manual of Surveys and
drew pickets on the line thus
established.

Survey commenced
27th Sept^r: 1886, with a Young
and Sons Solar Transit.

Before commencing
this Survey I test my compass
on the line established last
night and find it correct,
and the variation to be
12° 50' East.

Interiors of Twp 18 S. R. 9 East.

Before commencing the Survey of the Range line between Ranges 8 and 9 East Twp 18 S., I place a flag at the cor of Tps 17 & 18 S. Ranges 8 & 9 East, established by Deputy John Smith. & now return to the cor of Tps 18 & 19 S. R. 8 & 9 E and find that the flag can easily be seen and that the bearing of the Range line will be $N 5^{\circ} 05' W$. I therefore Begin at the cor to Tps 18 & 19 S. Ranges 8 & 9 E which is a Granite $14 \times 12 \times 10$ firmly set in the ground. with 6 notches on N. S. E and W edges. with mound of earth and pits.

Extremities of T₁₈ S. R 9 E. continued

Chains and run N 5° 05' W on a true line between Secs 31 and 36 -
 Var 12° 50' E.
 over level land.

4000 Set a Granite 18 x 10 x 8 ins 12 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 and S of stone 5 $\frac{1}{2}$ feet dist, and raised a mound of earth 1 $\frac{1}{2}$ feet high 3 $\frac{1}{2}$ feet base alongside. from which a Palo Verde 4 ins diam bears S 68° W 268 W dist marked $\frac{1}{4}$ S. B.T. no other trees within limits.

8000 Set a Volcanic Stone 16 x 12 x 10 ins 11 ins in the ground for the

Exteriors of T_p 18 S. R. 9 E. continued

Chains cor to Secs 25, 30, 31 & 36 marked with 1 notch on the S & 5 notches on the N edges, dug pits 18 x 18 x 12 ins. in each Sec 5½ feet distant and raised a mound of earth 2 feet high 4½ feet base alongside from which

a Mesquite 8 ins dia bears S. 12° W
239 W's dist marked T 18 S R 9 E.
S 36. B.T.

a Mesquite 6 ins dia bears S 9° W
189 W's dist marked T 18 S R 9 E.
S 36. B.T.

a Mesquite 6 ins dia bears S 6° E
205 W's dist marked T 18 S R 9 E
S 31. B.T.

a Mesquite 5 ins dia bears S 64° E

Exteriors of Tp 18 S R. 9 E. continued.

Chains 237 1/2 dist marked T 18 S R. 9 E.
 S 31 B.T.
 Land level.
 Soil 2 and 3 rate -
 Timber scattering Mesquite.

N 5° 05' W on a true line between
 Secs 25 & 30.

Var 12° 50' E
 over level land.

36.50 Arroyo 2 chs wide course East-
 4000 Set a Granite Stone 14 x 12 x 10 ins
 10 ins in the ground for 7/8 sec cor
 marked 7 on N face. dug pits
 18 x 18 x 12 ins N and S of stone
 5 1/2 feet dist, and raised a

errors of T₁ 18 S. R. 9 E continued

mound of earth 1 1/2 feet high. 3 1/2 feet base, alongside.

from which.

a mesquite 6 ins dia bears S 50° W

331 lks dist marked 1/4 S. B.T.

a mesquite 6 ins dia bears S 59° W

330 lks dist marked 1/4 S. B.T.

69.50 Road from Oteros Ranch to Tucson bears N 70° E & S 70° W

80. Set a Granite 15 x 12 x 8 ins 10 ins in the ground for the cor to Secs 19-24 25 and 30 marked with 2 notches on the S and 4 notches on the N edges. dug pits 18 x 18 x 12 ins in each Sec 5 1/2 feet dist, and raised a mound of earth 2 ft high 4 1/2 feet base alongside.

Exteriors of Tr 18 S R 9 E. continued

Chavis from which.

mesquite 6 ins dia bears S 26° W
275 W's dist. marked Tr 18 S R 9 E.
S 25. BT.

mesquite 7 ins dia bears S 20° E
200 W's dist marked T 18 S R 9 E.
S 30 BT.

mesquite 10 ins dia bears S 41° E
310 W's dist marked T 18 S R 9 E.
S 30. BT.

No other trees within limits.

Land level.

Soil 2 and 3 rate

Timber a few mesquite.

Exteriors of T₁₈ S. R. Q. E. - continued.

Chains N 5° 05' W on a true line bet
Secs 19 and 24.

Var 12° 50' E
over level land.

4000 Set a post 3 feet 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 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 3 $\frac{1}{2}$ ft base alongside.

8000 Set a Granite Stone 18 x 10 x 8 ins
12 ins in the ground for the cor
to Secs 13-18, 19, 24, marked with 3
notches on the N & S edges. dug
pits 18 x 18 x 12 ins, in each Sec 5 $\frac{1}{2}$
feet dist, and raised a mound

Exteriors of T_p 18 S R 9 E. continued.

chains of earth 2 feet high $4\frac{1}{2}$ ft base
alongside
from which.

mesquite 8 ins dia bears $n 11^{\circ} w$.
77 U's dist marked T 18 S R 8 E.
S 13. B.T.

mesquite 6 ins dia bears $S 6^{\circ} E$.
251 U's dist marked T 18 S R 9 E.
S 19. B.T.

mesquite 9 ins dia bears $S 7\frac{1}{2}^{\circ} w$.
208 U's dist marked T 18 S R 8 E.
S 24. B.T.

No other trees within limits.

Land level.

Soil 2 & 3 rate.

Timber some scattering mesquite.

teriors of T₁ 18 S R 9 E. continued

18 0 N 5° 05' W on a true line between
Secs 13 & 15.

Far 12° 50' E
over level land.

18 0 Arroyo 20 Mts wide course East.

40 0 Set a Granite 14 x 8 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 and S of Stone 5 $\frac{1}{2}$ feet dist
and raised a mound of earth 1 $\frac{1}{2}$
feet high 3 $\frac{1}{2}$ ft base alongside.
from which

Amesquite 4 ins dia bears N 41° W
76 Mts dist marked $\frac{1}{4}$ S. B. T.

Amesquite 4 ins dia bears S 56° E
41 Mts dist marked $\frac{1}{4}$ S. B. T.

21.500 Arroyo 30 Mts wide course N 45° E

80 0 Set a Granite 18 x 10 x 8 ins 12 ins

Exteriors of T_p 18 S, R. 9 E. continued

in the ground for cor to Secs
 7-12-13 and 18 marked with
 4 notches on the South and
 2 notches on the N edges. dug
 pits 18 x 18 x 12 ins, in each Sec
 5 1/2 feet dist, and raised a
 mound of earth 2 feet high
 4 1/2 ft base alongside.

from which
 a mesquite 8 ins dia bears N 58°
 102 links dist marked T 18 S R 8 E
 S 12. B.T.

a mesquite 10 ins dia bears N 8° E
 135 links dist marked T 18 S R 9 E
 Sec 7 B.T.

a mesquite 12 ins dia bears S 57°
 E. 188 links dist marked T 18 S R 9 E.
 S 18. B.T.

201
 Extensiors of T₁₈ S R 9 E. continued

Chain a mesquite 10 ins dia bears S 25° E
 70 Mts dist marked T₁₈ S R 9 E
 S. 18, B-T.

Land level -

Soil 2 & 3 rate -

Timber scattering Mesquite -

N 5° 05' W on a true line bet
 Secs 7 and 12.

over level ⁷ ^{12° 50' E}
~~land.~~

1,00 Wash 2chs wide course East

13,00 Wash 12 Mts wide course S 45° E

4,000 Set a Granite Stone 14 x 12 x 10

ins 10 ins in the ground for
 $\frac{1}{4}$ Sec cor marked 7 on W face
 dug pits 18 x 18 x 12 ins N and S

Exteriors of T_p 18 S R 9 E continued

- Chs of stone $5\frac{1}{2}$ feet dist, and raised a mound of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet base alongside.
- from which
- Amesquite 4 mis dia bears $S 9^{\circ} E$
 52 Mls dist marked $\frac{1}{4}$ S B.T.
- Amesquite 4 mis dia bears $S 17^{\circ} W$
 90 Mls dist marked $\frac{1}{4}$ S B.T.
- 5100 Wash 50 Mls wide course East.
- 8000 Set a Granite Stone $20 \times 10 \times 8$ mis
 15 mis in the ground for the cor
 to Secs 1-6-7 and 12 marked with
 5 notches on the S and 1 notch
 on the N edges, dug pits $18 \times 18 \times$
 12 mis in each Sec $5\frac{1}{2}$ feet dist
 and raised a mound of earth
 2 ft high $4\frac{1}{2}$ ft base alongside.

Exteriors of Tr 18 S R 9 E. continued

Ch²

from which

a mesquite 6 mi dia bears S 18° W

36 M's dist marked T 18 S R 8 E S. 12

B.T.

a mesquite 6 mi dia bears N 82° E

36 M's dist marked T 18 S R 9 E.

S 6 B.T.

a mesquite 8 mi dia bears N 47° W

172 M's dist marked T 18 S R 8 E

S 1 B.T.

a mesquite 6 mi dia bears N 61° W

250 M's dist marked T 18 S R 8 E

S 1. B.T.

Land level.

Soil 2 & 3 rate.

Timber scattering Mesquite.

Exterior of Sp 18 S R 9 E continued.

Chains N $5^{\circ}05'$ W on a true line
between Secs 1 and 6 -

Var $12^{\circ}50'$ E

over level land.

17.00 Arroyo 12 M's wide course S 70° E

4.000 Set a post 3 feet 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 18×18
 $\times 12$ ins N and S of post $5\frac{1}{2}$ feet
dist and raised a mound
of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet
base around post -

from which a Mesquite 3 ins
dia bears S 42° W 62 M's dist
marked $\frac{1}{4}$ S. B.T.

A mesquite 3 ins dia bears S 75°
E 30 M's dist marked $\frac{1}{4}$ S B.T.

Exteriors of Tps 18 S & R. 9 E. continued.

chs

45.50 The cor to Tps 17 & 18 S Rs 8 & 9 E established by Deputy McLaughlin which is a post set firmly in the ground marked.

T 17 S S 31 on N E.

R 9 E S 6 on S E.

T 18 S S 1 on SW and

R 8 E S 36 on N W faces.

with mound of earth and pits.

Land level -

Soil 2 & 3 rate -

Timber some few mesquite -

From the above cor I can plainly see the flag which I had previously set at the cor of Tps 17 & 18 S Rs 9 and 10 E.

Exteriors of Tps 18 S R 9 E continued.

and I find the bearing to be $N 85^{\circ} 40' E$. & therefore run $N 85^{\circ} 40' E$ on a random line between Tps 17 and 18 S the var of my compass being $12^{\circ} 53' E$ I set temporary $\frac{1}{2}$ mile and mile posts at 40 and 80 chs and find the Tp line to be 6 miles 49 chs and 77 links. The correction for the true line will therefore be 40 chs and 77 links East per mile and its course $S 85^{\circ} 40' W$.

From the cor to Tps 17 S 18 S Rs 9 & 10 E, already established by me, I run.

$S 85^{\circ} 40' W$ on a true line bet Secs 1 and 36.

tenors of $\text{Sp} 18 \text{ S } R 9 \text{ E}$ continued

Var $12^{\circ} 53' \text{ E}$

over gently rolling ground -

- 17 Arroyo course $N 20^{\circ} W$ 18 M's wide.
40. Set a Granite Stone $12 \times 8 \times 6$ ins
8 ins in the ground for the $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ on N face dug
pits $18 \times 18 \times 12$ ins E and W of
stone $5\frac{1}{2}$ feet dist and raised
a mound of earth $1\frac{1}{2}$ ft high
 $3\frac{1}{2}$ ft base alongside - from which
a mesquite 10 ins dia bears $S 22^{\circ} W$
105 M's dist marked $\frac{1}{4}$ S B.T.
a mesquite 4 ins dia bears $S 37^{\circ} E$
103 M's dist marked $\frac{1}{4}$ S B.T.
- 43 Arroyo 30 M's wide course $N 70^{\circ} W$
- 50 Same arroyo 50 M's wide course
 $S 80^{\circ} W$
- 69 Same arroyo 70 M's wide course

Exteriors of T_p 18 S R 9 E continued

Chs N 50° W

7300 Arroyo 18 Mls wide course N 15° W

8000 Set a Granite Stone 20 x 6 x 4 ins
15 ins in the ground for the cor
to Secs 1-2. 35 and 36. marked
with 1 notch on the E and 5
notches on the West edges, dug
pits 18 x 18 x 12 ins, in each Sec
5½ feet dist, and raised a
mound of earth 2 feet high
4½ feet base alongside.
from which

a Mesquite 10 ins dia bears S 11° E

54 Mls dist marked T 18 S R 9 E

S 1 B T. no other trees in limits.

Land gently rolling -

Soil 2 F 3 rate

Lumber some few Mesquite.

207
 Exterior of Tp 18 & R 9 E continued

Chs S $85^{\circ} 40' W$ on a true line
 between Secs 2 and 35

Var $12^{\circ} 53' E$

1 over gently rolling land.

14,00 Arroyo 30 Mls wide course N $45^{\circ} W$

24,00 Arroyo 20 Mls wide course N $50^{\circ} W$

31,00 Leave rolling and enter low lands.

4,000 Set a Granite Stone $20 \times 10 \times 8$ 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 and W of Stone
 $5\frac{1}{2}$ feet dist, and raised a
 mound of earth $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base alongside
 from which a mesquite 6 ins
 dia bears N $42^{\circ} E$ 172 Mls dist, marked
 $\frac{1}{4}$ S. B. T.

Exteriors of Tp 18 S Rq E continued.

- Chs Amesquite 4 ins dia bears $N70^{\circ}W$
 364 Mts dist marked $\frac{1}{4}$ S. B.T.
- 6300 Main Road from Tucson to
 altar course N and S.
- 7200 Leave low land and enter upland.
- 8000 Set a Granite Stone $12 \times 12 \times 6$ ins
 8 ins in the ground for cor to Secs
 2.3.34 and 35 marked with 2
 notches on the E and 4 notches
 on the West edges dig pits 18×18
 $\times 12$ ins in each Sec $5\frac{1}{2}$ ft dist
 and raised a mound of earth
 2 feet high $4\frac{1}{2}$ feet base alongside
 from which
 Amesquite 6 ins dia bears $S65^{\circ}E$
 280 Mts dist marked T 18 S Rq E
 S 2. B.T.

cross of T_p 18 S R 9 E, continued.

Amesquite 8 ins dia bears S 8° E

288 Ms dist marked T 18 S R 9 E

S 2 B.T.

Amesquite 6 ins dia bears N 20° W

232 Ms dist marked T 17 S R 9 E

S 34 B.T.

No other trees in limits.

Land level.

Soil 1 F 2 class.

Timber scattering Mesquite.

S 85° 40' W on a true line
between Secs 3 and 34.

Far 12° 53' E

over level land.

40.00 Set a Granite Stone 12 x 10 x 6 ins
8 ins in the ground for $\frac{1}{4}$ sec cor.

Exteriors of Sp 18 SR9 E continued

Chs marked $\frac{1}{4}$ on N face dug pits
 18 x 18 x 12 ins E and W of stone
 5 $\frac{1}{2}$ feet dist, and raised a
 mound of earth 1 $\frac{1}{2}$ feet high
 3 $\frac{1}{2}$ feet base alongside.
 from which arnesquite 6 mi
 dia bears N 10° W 183 Mk dist
 marked $\frac{1}{4}$ S. B.T.
 no other trees in limits.

8000 Set a Granite 20 x 10 x 8 ins 15 ins
 in the ground for the cor to Secs
 3, 4, 33 and 34 marked with 3
 notches on the E and W edges,
 dug pits 18 x 18 x 12 ins in each
 Sec 5 $\frac{1}{2}$ feet dist and raised a
 mound of earth 2 feet high
 4 $\frac{1}{2}$ feet base alongside.
 from which -

Exteriors of #18 SR 9E continued

Chc Amesquite 10 ins dia bears N 10° E
87 M's dist marked T 17 S R 9 E
S 34 - B.T.

Amesquite 10 ins dia bears N 39° W
110 M's dist marked T 17 S R 9 E
S 33 B.T.

Amesquite 4 ins dia bears N 60° W
139 M's dist marked T 17 S R 9 E
S 33 - B.T.

Amesquite 10 ins dia bears N 86° W
194 M's dist marked T 17 S R 9 E
S 33 B.T.

Land level.

Soil 2nd rate

Timber scattering mesquite
most of it dead.

Extensions of T₁₈ S R 9 E. continued

Chs S 85° 40' W on a true line be
Secs 4 and 33.

For 12° 53' E.

over level land.

3600 Arroyo 10 M's wide course S 45° E

3900 Same Arroyo 10 M's wide course N 70°

4000 Set a post 3 feet long 3 m's square

with marked stone 12 m's in the
ground for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ S

on N side, dug pits 18 x 18 x 12 m's
E and W of post - 5 $\frac{1}{2}$ feet dist.

and raised a mound of earth

1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ feet base around
post. from which

Amesquite 8 m's dia bears S 18° E

45 M's dist marked $\frac{1}{4}$ S. B. T.

Amesquite 6 m's dia bears S 62° W

111 M's dist marked $\frac{1}{4}$ S. B. T.

cross of T_p 18 S R 9 E. continued

43- Same arroyo 10 M's wide course S 70° E
80 Set a Granite ^{Stone} 16 x 12 x 8 ins 12 ins
in the ground for the cor to Secs
H. 5. 32 and 33 marked with H
notches on the E and 2 notches
on the W edges, dug pits 18 x 18
x 12 ins in each Sec 5 ½ feet dist
and raised a mound of earth
2 feet high 4 ½ feet base
alongside. from which
a mesquite 8 ins dia bears S 69° E
11 M's dist marked T 18 S R 9 E
S H B T.

a mesquite 4 ins dia bears S 43° E
55 M's dist marked T 18 S R 9 E.
S H. B. T.

a mesquite 10 ins dia bears S 32° W
33 M's dist marked T 18 S R 9 E

Exteriors of T₁₈ S R 9 E continued

Chs. S 5. BT.

mesquite 12 ins dia bears S 35° W
167 Ms dist marked T₁₈ S R 9 E.

S 5. BT.

Land level -

Soil 2 Class.

Timber Scattering mesquite.

S 85° 40' W on a true line
bet secs 5 and 32.

Far 12° 53' E

over level land.

4000 Set a post 3 feet long 3 ins sq.
ware. with marked stone 12 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 and W of post
5½ feet distant, and raised a

Exteriors of T₁₇ 18 & R 9 E continued

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

from which a mesquite 4 ms in dia bears $N 49^\circ E$ 74 Ms dist marked $\frac{1}{4}$ S. B. T.

a mesquite 8 ms dia bears $N 54^\circ E$ 157 links distant marked $\frac{1}{4}$ S. B. T.

8000 Set a post 4 feet long 4 ms square with marked stone 12 ms in the ground for the cor to Sec 5. 6. 31 & 32. marked

T₁₇ S. S. 32 on N. E.

R 9 E. S. 5 on S. E.

T₁₈ S. S. 6 on S W and

S 31 on N W faces with 5 notches on the E and 1 notch on the West edges dug pits $18 \times 18 \times 12$ ms in each Sec $5\frac{1}{2}$ feet dist, and

Extensions of 7p18 & R 9 E continued

raised a mound of earth 2 feet high $4\frac{1}{2}$ ft base around post
Land level.

Soil 2 Crate.

Timber scattering Mesquite.

S $85^{\circ}40'N$ on a true line bet
Sec 6 and 31.

Cor. $12^{\circ}53'E$

over level land.

2550 Arroyo 50 M's wide course S $60^{\circ}E$.

4000 Set a Granite $14 \times 12 \times 12$ ins
10 ins in the ground for $\frac{1}{4}$ Sec
cor marked $\frac{1}{4}$ on the N face
dug pits $18 \times 18 \times 12$ ins E & W
of stone $5\frac{1}{2}$ feet dist, and raised

Exteriors Sp 18 S R. 9. E. continued

a mound of earth $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base alongside.

from which

a mesquite 6 ins dia bears $N 38^{\circ} E$

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

a mesquite 12 ins dia bears $N 63^{\circ} E$

132 lbs distant - marked $\frac{1}{4}$

S. B. T.

12077 The cor to Sp 17 & 18 S Re 8 & 9
 E.

Land level -

Soil 2^o rate -

Timber scattering mesquite -

27th Sept^r 1886.

Exterior of Tp 18 S R 9 E cont'd

General Description

This Township embraces a large area of 1st class farming land. Dr Russell has a Stock Ranch in Sec 11, he has sunk a well and raises water by steam power. With water, the land in this Tp could be brought under a high state of cultivation. The Township is covered by a scattering growth of Mesquite Timber. This Township should be subdivided.

George Proskusz

U. S. Dep. Sur^v

Field Notesof the Survey of theExterior Boundariesof
Township N^o 17 SouthRange N^o 10 Eastof the
Gila and Salt River
Meridianin the
Territory of Arizonaas surveyed byGeorge HaskingerU. S. Dep. Sur^rUnder his Contract N^o 1Dated March 5th 1886.Survey commenced 11th Oct^r 1886.Survey completed 12th Oct^r 1886.

Exteriors of Jp 17 S. R. 10 E

On the night of 10th Oct 1886 -
I take an observation of the
Star Polaris, in accordance
with instructions contained
in the manual of surveys,
and drove pickets on the
line thus established.

Survey commenced
on the 11th October 1886. with a
Young and Sous Solar
Transit.

Before commencing
this Survey I test my
Compass on the line estab-
lished last night, and find it
correct, and the variation to
be $12^{\circ} 55'$ East.

Exteriors of Jp 17 S R. 10 E

Chs. I begin at the cor to Jp 17 & 18 S.
 Rs 9 and 10 E, which is a Granite
 Stone $16 \times 10 \times 10$ ins, marked with 6
 notches on each face. set firmly
 in the ground with mound of earth
 and pits from which
 a Palo Verde 3 ins dia bears $N 64^\circ E$ marked
 J 17 S R 10 E S 31. B.T. 66 lvs dist.
 a Palo Verde 4 ins dia bears $N 74^\circ E$
 marked T 17 S R 10 E S 31. B.T. 116 lvs dist.
 a Palo Verde 4 ins dia bears $S 83^\circ E$
 marked T 18 S R 10 E S 6. B.T. 87 lvs dist.

Thence I run

North between sees 31 and 36.

Far $12^\circ 55' E$.

over gently rolling land.

9.00 Wash 10 lvs wide course $N 45^\circ W$

15.00 Wash 20 lvs wide course $N 50^\circ W$

Exteriors of Tr 17 S. R. 10 E. contd.

Chains	
21.00	Wash 18 Uts wide course N 40° W.
40.00	Set a Granite Stone 13 x 11 x 10 ins, 9 ins in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ on the W face dug pits 18 x 18 x 12 ins N and S of Stone, 5 $\frac{1}{2}$ feet dist, and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base alongside. from which a mesquite 4 ins dia bears N 19° W 39 Uts dist marked $\frac{1}{4}$ S. B.T. a mesquite 4 ins dia bears N 50° E. 183 Uts dist marked $\frac{1}{4}$ S. B.T.
44.50	Wash 50 Uts wide course N 45° W.
70.00	Wash 30 Uts wide course N 70° W.
80.00	Set a Granite Stone 14 x 12 x 8 ins 10 ins in the ground, for cor to Secs 25. 30. 31 and 36 marked with 1 notch on the S and 5 notches on

errors of T₁₇ S R 10 E. continued

The N edges, dug pits 18 x 18 x 12 ins
in each Sec, 5 1/2 feet dist, and
raised a mound of earth 2 feet
high 4 1/2 feet base, alongside
from which.

Mesquite 6 ins dia bears S 80° W 116

W's dist marked T₁₇ S R 9 E S 36. B.T.

Mesquite 8 ins dia bears N 75° W 318

W's dist, marked T₁₇ S R 9 E S. 25. B.T.

No other trees within limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber scattering Mesquite and
Palo Verde.

North bet Secs 25 and 30.

For 12° 55' E

Wash 20 W's wide course N 40° W

Exterior of Sp 17 S. R. 10. E continued

Chains

40.00

Set a Granite Stone $20 \times 12 \times 6$ ins,
 15 ins in the ground for $\frac{1}{4}$ Sec cor.
 marked $\frac{1}{4}$ on N face, dug pits $18 \times$
 18×12 ins N and S of Stone $5\frac{1}{2}$ feet
 distant, and raised a mound
 of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet base,
 alongside. from which
 a mesquite 4 ins dia bears $N 83^\circ E$
 51 Yds dist, marked $\frac{1}{4}$ S. B.T.
 a mesquite 8 ins dia bears $N 82\frac{1}{2}^\circ E$
 215 Yds dist marked $\frac{1}{4}$ S B.T.

63.00

Wash 30 Yds wide, course $N 30^\circ W$.

80.00

Set a Granite Stone $16 \times 12 \times 10$ ins
 12 ins in the ground for cor to Secs
 19. 24. 25 and 30 marked with 2
 notches on the S and 4 notches
 on the N edges, dug pits $18 \times 18 \times 12$

Exteriors of T₁₇ S R 10 E. continued.

Chains ~~is~~, in each Sec 5½ feet dist, and raised a mound of earth 2 feet high 4½ feet base alongside - from which

a mesquite 7 ins dia bears N 64° E 263 1/2
dist marked T₁₇ S R 10 E S. 19. B.T.

a Palo Verde 6 ins dia bears N 60° E 316 1/2
dist marked T₁₇ S R 10 E S. 19. B.T.

a mesquite 6 ins dia bears N 88° W 271 1/2
dist marked T₁₇ S R 9 E S. 24. B.T.

No other trees within limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber scattering Mesquite and Palo Verde.

Exteriors Sp 17 S R 10 E. continued.

Chain North bet Secs 19 and 24.

ran $12^{\circ} 55' E$.

over gently rolling land.

3,00 Enter wash course $N 40^{\circ} W$.

7,00 Leave wash course $N 40^{\circ} W$.

39,00 Wash 20 Mts wide course $N 45^{\circ} W$.

40,00 Set a Granite Stone $18 \times 12 \times 6$ 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 and S of Stone $5\frac{1}{2}$ feet dist, and
raised a mound of earth $1\frac{1}{2}$ feet
high, $3\frac{1}{2}$ feet base, alongside.
from which a mesquite 4 ins dia
bears $S 75^{\circ} W$ 65 Mts dist marked $\frac{1}{4}$
S B T.

a Palo Verde 8 ins dia marked $\frac{1}{4}$ S B T.

bears $S 6^{\circ} E$. 200 links distant

Exteriors of T_h 17 S. R. 10 E. continued

Chains

5600 Wash 30 Mts wide course N 30° W.

7300 Wash 20 Mts wide course N 40° W.

8000 Set a Granite Stone 20 x 16 x 8 ins 15 ins in the ground for cor to Secs 13-18, 19 & 20 with 3 notches on N and S edges.

Dug pits 18 x 18 x 12 ins, in each Sec 5 1/2 feet distant, and raised a mound of earth 2 feet high 4 1/2 feet base alongside, from which a mesquite 10 ins dia bears N 78° W 42 Mts dist marked T 17 S. R. 10 E. S 13. B. T.

A mesquite 12 ins dia bears N 50° W 17 1/2 Mts dist marked T 17 S. R. 10 E S 13. B. T.

No other trees within limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber scattering mesquite and Palo verde.

Exteriors Fr 17 S. R. 10 E. continued.

- Chains North bet. Secs 13 and 18
var $12^{\circ}55'E$.
- over gently rolling ground.
- 4.00 Wash 20 M's wide course $N40^{\circ}W$.
- 18.70 Road from Widow Corillo's Ranch to the
Baboquivari Valley and Tucson Road
course E and W.
- 28.50 Wash 30 M's wide course West.
- 40.00 Set a Granite Stone $20 \times 10 \times 8$ ins
15 ins in the ground for $\frac{1}{4}$ sec cor
marked $\frac{7}{8}$ S on W face. dug pits
 $18 \times 18 \times 12$ ins N and S of stone $5\frac{1}{2}$
feet dist, and raised a mound
of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base
alongside.
- 49.00 Wash 20 M's wide course $N45^{\circ}W$.
- 72.00 Wash 30 M's wide course $N30^{\circ}W$.

Exterior Sp 7 S R. 10. E. continued.

Chains
8000

Set a post 4 ft long 4 in square
with marked stone 12 in in the
ground for the cor to Secs 7-12. 13478
marked T 17 S. S 7 on N E.

R 10 E. S. 18 on S E.

R 9 E S 13 on SW and

S 12 on N.W. faces with
4 notches on the S and 2 notches
on the N edges, dug pits 18 x 18 x 12
in, in each Sec 5 1/2 ft. dist, and
raised a mound of earth 2 feet
high 4 1/2 ft. base around post.
from which a mesquite 6 in dia
bears N 67° E. 197 links dist, marked
T 17 S R. 10. E. S 7 13 T.
A mesquite 6 in dia bears N 42° E
158 lks dist marked T 17 S R 10 E S 7
13 T.

Esternors #p 17 S R 10 E continued.

Chs. amesquite 8 ins dia bears $N 6^{\circ} E$.
 220 Uts dist marked T17 S R 10 E,
 S 7 - B.T. no other trees within
 limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber scattering mesquite and
 palo verde.

North bet sees 7 and 12

Far $12^{\circ} 55' E$

over gently rolling land.

2,500 Wash 20 Uts wide course $N 45^{\circ} W$.

15,000 Wash 30 Uts wide course $N 45^{\circ} W$.

4,000 Set a Granite Stone $14 \times 8 \times 8$ ins 10

ins in the ground for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ S on W face, dug pits

$18 \times 18 \times 12$ ins N & S of stone $5 \frac{1}{2}$ ft

200

Exterior of 7th 17 S R. 10, E. continued

- Chains dist. and raised a mound of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base alongside. from which.
- Amesquite 4 ins dia bears $N 61^\circ E$
- 122 U's dist marked $\frac{1}{4}$ S. B.T.
- Amesquite 14 ins dia bears $N 10^\circ E$
- 198 U's dist marked $\frac{1}{4}$ S. B.T.
- 4200 Wash 20 U's wide course $N 40^\circ W$.
- 7000 Wash 30 U's wide course $N 45^\circ W$.
- 8000 Set a Granite Stone $14 \times 8 \times 6$ ins 10 ins in the ground for the cor to Secs 1-6-7 and 12 marked with 5 notches on the S and 1 notch on the N edges, dug pits $18 \times 18 \times 12$ ins in each Sec $5\frac{1}{2}$ feet dist, & raised a mound of earth 2 feet high $4\frac{1}{2}$ feet base alongside. from which

Exteriors Sp 17 SR 10 E, continued

Chains a Mesquite 3 mis dia bears $N 2^{\circ} W$
 75 U's dist marked T 17 & R 9 E
 S 1. B T.

a mesquite 8 mis dia bears $N 87^{\circ} E$
 140 U's dist marked T 17 & R 10 E.
 S 6. B T.

a Palo Verde 4 mis dia bears $N 45^{\circ} E$
 84 U's dist marked T 17 & R 10 E
 S 6. B T.

a Palo Verde 4 mis dia bears $S 66^{\circ} E$
 55 U's dist marked T 17 & R 10 E.
 S 7. B T.

Land gently rolling.

Soil 2 & 3 rate.

Timber scattering Mesquite and
 Palo Verde.

290
 Exterior of Sp 17 S R. 10 E. continued.

the North bet Secs 1 & 6.

Far $12^{\circ}55'E$

over gently rolling land -

1,00 Wash 15 Ws wide course $N40^{\circ}W$

10,00 Wash 30 Ws wide course $N45^{\circ}W$

15,00 Wash 20 Ws wide course $N45^{\circ}W$

32,00 Wash 10 Ws wide course $N45^{\circ}W$

4000 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 $18 \times$
 18×12 ins N and S of stone $5\frac{1}{2}$ ft
 dist, and raised a mound of
 earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base
 alongside. from which -
 a Palo Verde 4 ins dia bears $S87^{\circ}W$
 132 Ws dist marked $\frac{1}{4}$ S. B.T.
 No other trees within limits.

Extensions of 17 S R 10 E continued

Chs.	
42,00	Wash 15 Ws wide course N 45° W
55,00	Wash 25 Ws wide course N 40° W
67,00	Wash 30 Ws wide course N 40° W
80,00	Set a Granite Stone 20 x 12 x 8 ins 15 ins in the ground for the cor- ner to the 16 S R 17 South Ranges of 10 E marked with 6 notches on the N. S. E. and W faces. dug pits 24. 18 x 12 ins, lengthwise on each line N. S. E. and W of stone 6 ft. dist. and raised a mound of earth 2 ft high 4 ½ feet base alongside from which a Palo Verde 8 ins dia bears S 8° E 270 Ws dist. marked T 17 S R 10 E S 6. B. T. no other trees within limits.

terrors Tps 17 S. R 10. E. continued

Land gently rolling -
Soil 2 & 3 rate -

Timber scattering mesquite
and Palo Verde -

11th October 1886

From the cor to Tps 16 and 17 S,
Rs 9 and 10 E. I run East on
a random line, between said
Townships. the variation of my
compass being $12^{\circ}55'E$, I set
temporary $\frac{1}{2}$ mile and mile corners
at each 40 and 80 chains, and
find the Township line to be 6
miles and 10 links, long and
the falling to be 56 links S of the
cor to Tps 16 and 17 S Rs 10 & 11 East.

Exteriors 7p 17 SR 10 E. continued

Chains The correction for the true line will therefore be $9\frac{1}{2}$ Mls North and 10 Mls East per mile, and its course will be $S 89^{\circ} 56' W$.

From the cor to 7ps 16 and 17 S
Rs 10 and 11 East which is a
post- 2 mls square. marked
R 11. E. S 31 on N. E.

R 10. S. 1 on S. E.

T 17. S. 6 on SW and

T 16. S. 36 on NW faces.

with 6 notches on each edge
and pits N. S. E and W of post
6 feet dist, and mound of earth
around post, from which.

a mesquite tree 14 mls dia bears
 $S 13^{\circ} 22' E - 225$ Mls dist marked

Exterior of 17 S.R 10 E continued.

Chs B.T. T17 R11 S6.

1 run

S $89^{\circ} 56' N$ on a true line bet
Sec 1 and 36.

Far $12^{\circ} 55' E$.

over gently rolling land.

- 11.00 Wash 10 Mts wide course N $45^{\circ} W$.
- 28.00 Wash 20 Mts wide course N $50^{\circ} W$.
- 33.00 Wash 15 Mts wide course N $40^{\circ} W$.
- 39.40 Wash 30 Mts wide course N $45^{\circ} W$.
- 40.00 Set a Granite Stone $20 \times 10 \times 8$ ins 15
ins in the ground for $\frac{1}{4}$ Sec cor
marked $\frac{1}{4}$ on N face. dug pits $18 \times$
 18×12 ins E and W of stone, $5\frac{1}{2}$ ft
dist, and raised a mound of earth
 $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base alongside.
from which a Mesquite 6 ins dia
bears N $30^{\circ} E$ 222 Mts dist marked

Exteriors Fr 17 S R 10 E, continued.

Chs $\frac{1}{4}$ S. B.T. - no other trees within limits.

48.50 Wash 20 M's wide course N 50° W.

60.00 Wash 20 M's wide course N 45° W.

78.00 Wash 30 M's wide course N 55° W

8000 Set a Granite ^{stone} 22 x 10 x 8 ins 16 ins
in the ground for the cor to Secs
1-2. 35 and 36, marked with 1
notch on the E and 5 notches on
the W edge, dug pits 18 x 18 x 12 ins
in each Sec 5½ feet dist, and raised
a mound of earth 2 feet high 4½
feet base, alongside, from which
a palo Verde 6 ins dia bears N 8° W
33 M's dist marked T 16 S R 10 E
S 35. B.T.

a palo Verde 6 ins dia bears N 18° E

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 errors #17 S. R. 10. E. continued

110 U's dist. marked T16 S R 10 E
 S 36. BT. no other trees within
 limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber some few mesquite and
 Palo Verde.

S 89° 56' W on a true line between
 Secs 2 and 35.

Var 12° 55' E

over gently rolling ground.

3 Wash 20 U's wide course N 70° W.

7 Wash 30 U's wide course N 40° W.

13:50 Wash 20 U's wide course N 45° W.

38:40 Wash 30 U's wide course N 45° W.

Exterior of 7k 17 & R 10, E. continued.

Chains

40,00

Set a Granite stone $18 \times 8 \times 6$ ins
 12 ins in the ground for $\frac{1}{4}$ sec
 cor marked $\frac{1}{4}$ on N face. dug pit
 $18 \times 18 \times 12$ ins E and W of stone
 $5\frac{1}{2}$ feet dist, and raised a
 mound of earth $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, alongside.

from which

mesquite 4 ins dia bears $N 52^\circ E$

177 yds dist marked $\frac{1}{4}$ S. B. T.

no other trees within limits.

43,00

Wash 20 yds wide course $N 45^\circ W$.

54,00

Wash 25 yds wide course $N 40^\circ W$.

8,000

Set a Volcanic stone $18 \times 16 \times 6$ ins
 12 ins in the ground for cor to
 Secs 2, 3, 34 and 35 marked with
 2 notches on the E and H notches

Extensions of T₁₇ & R_{10E}, continued

Chs. on the Wedges, dug pits 18 x 18 x 12
 ins in each Sec. 5 1/2 feet distant
 and raised a mound of earth 2 ft
 high 4 1/2 ft base alongside.

from which

a mesquite 10 ins dia bears N 38° E
 310 links dist marked T₁₆ & R_{10E}
 S 35. B T.

a mesquite 8 ins dia bears S 36° E
 278 links dist marked T₁₇ & R_{10E}.
 S 2. B T.

a mesquite 8 ins dia bears S 62° W
 324 links dist marked T₁₇ & R_{10E}
 S 3. B T. no other trees within
 limits.

Land gently rolling.

Soil 2 and 3 rate.

Timber scattering Mesquite.

Exterior of 7k 17 & R 10 E, continued.

Chc S $89^{\circ}56'W$ on a true line between
Secs 3 and 34.

Var $12^{\circ}55'E$
over level land.

6,000 Wash 20 M's wide course N $30^{\circ}W$.

22,000 Wash 30 M's wide course N $45^{\circ}W$.

4000 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 N ^{face} side. dug pits
 $18 \times 18 \times 12$ ins E and 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.

8000 Set a Granite Stone $18 \times 10 \times 8$ ins
12 ins in the ground for cor to Secs
3, 4, 33 and 34 marked with 3
notches on E and W edges, dug

245
 elevations 76 17 & R 10 E, continued

posts 18 x 18 x 12 ins, in each Sec
 5½ feet dist and raised a mound
 of earth 2 feet high 4½ ft base
 alongside, from which
 amesquite 4 ins dia bears S 60° W
 110 Ws dist marked T 17 & R 10 E
 S 4 B T.

amesquite 6 ins dia bears N 87° W
 200 Ws dist marked T 16 & R 10 E
 S 33. B T.

amesquite 8 ins dia bears N 37° W
 81 Ws dist marked T 16 & R 10 E
 S 33. B T.

No other trees within limits.
 Land level.

Soil 2 & 3 rate

Truiber Scattering Mesquite.

Extensions of 17 S R 10 E cont'd

Chains S $89^{\circ} 56' N$ on a true line bet
Sees 4 and 33

Var $12^{\circ} 55' E$

- 11.50 Wash 20 U's wide course N $45^{\circ} N$.
- 28.00 Wash 15 U's wide course N $40^{\circ} N$.
- 38.50 Wash 20 U's wide course N $45^{\circ} N$.
- 40.00 Set a Granite Stone $16 \times 8 \times 6$ in
11 in in the ground for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ on N face dug pits
 $18 \times 18 \times 12$ in E and W of stone
 $5\frac{1}{2}$ feet dist and raised a
mound of earth $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base alongside.
- 41.00 Wash 15 U's wide course N $45^{\circ} N$.
- 55.50 Wash 18 U's wide course N $40^{\circ} N$.
- 68.00 Wash 20 U's wide course N $40^{\circ} N$.
- 80.00 Set a Granite Stone $16 \times 6 \times 6$ in
11 in in the ground for cor to

Exteriors Fr 17 S R 10 E continued

Chs Secs 4, 5, 32 and 33. marked with 4 notches on the E and 2 notches on the W edges, dug pits 18x18x18 in, in each Sec, 5½ feet dist, & raised a mound of earth 2 feet high 4½ ft base alongside. from which

a Palo Verde 3 mis dia bears N 53° E
42 1/2 mls dist marked T 16 S R 10 E
S 33 B.T.

a Palo Verde 6 mis dia bears S 59° E
137 1/2 mls dist marked T 17 S R 10 E
S 4 B.T.

a Palo Verde 6 mis dia bears N 7° E
88 1/2 mls dist marked T 16 S R 10 E
S 33. B.T.

no other trees within limits.

Exterior of Sp 17 S R 10 E cont'd

Chs Land level.

Soil 2 & 3 rate.

Timber a few Mesquite and Palo Verde.

S $89^{\circ} 56' W$ on a true line
between Secs 5 and 32.

Var $12^{\circ} 55' E$

over level land

- 7,00 Wash 30 Mts wide course $N 60^{\circ} W$
- 18,00 Wash 18 Mts wide course $N 40^{\circ} W$
- 3000 Wash 20 Mts wide course $N 45^{\circ} W$
- 4000 Set a Granite Stone $12 \times 8 \times 6$ ins
8 ins in the ground for $\frac{1}{4}$ sec cor
marked $\frac{1}{4}$ on N face. dig pits
 $18 \times 18 \times 12$ ins E and W of stone

Exterior of Fr 17 S R, 10 E, continued.

- Ch. 5 $\frac{1}{2}$ feet dist, and raised a mound
 of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base
 alongside. from which
 ✓ a Palo Verde 4 mis dia bears East 9 $\frac{1}{4}$
 dist marked $\frac{1}{4}$ S. B. T.
 amesquite 6 mis dia bears S 45° E
 34 $\frac{1}{4}$ dist marked $\frac{1}{4}$ S. B. T.
- 5600 Wash 20 $\frac{1}{4}$ wide course N 45° W
- 7400 Wash 30 $\frac{1}{4}$ wide course N 30° W
- 8000 Set a Granite Stone $18 \times 10 \times 8$ mis $\frac{1}{2}$
 mis in the ground for cor to Secs
 5, 6, 31 and 32 marked with 5
 notches on the E and 1 notch on
 the W edges, dug pits $18 \times 18 \times 12$
 mis in each Sec $5\frac{1}{2}$ ft dist, and
 raised a mound of earth 2 feet
 high $4\frac{1}{2}$ feet base alongside.

Esterois # 17 S R 10 E continued

Chs. Land level.

Soil 2 & 3 rate.

Timber scattering Mesquite and Palo Verde.

S $89^{\circ} 56' N$ on a true line bet
Secs 6 and 31.

Var $12^{\circ} 55' E$

- 14,00 Wash 10 M's wide course $N 45^{\circ} N$.
- 30,00 Wash 30 M's wide course $N 45^{\circ} N$.
- 34,00 Wash 20 M's wide course $N 45^{\circ} N$.
- 4,000 Set a Granite Stone $12 \times 8 \times 5$ ins
8 ins in the ground for $\frac{1}{4}$ Sec cor
marked $\frac{1}{4}$ on the N face, dug pits
 $18 \times 18 \times 12$ ins E and W of stone
 $5\frac{1}{2}$ feet dist and raised a mound
of earth $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base

Exterior of 17 & R 10 E continued

- Chains alongside, from which
- a Palo Verde 5 ins dia bears N 15° W
32 Uls dist, marked 1/4 S. B.T.
- a Palo Verde 3 ins dia bears S 60° W
51 Uls dist. marked 1/4 S. B.T.
- 45.00 Wash 20 Uls wide course N 40° W.
- 54.00 Wash 15 Uls wide course N 45° W.
- 63.00 Wash 25 Uls wide course N 45° W.
- 76.00 Wash 15 Uls wide course N 40° W.
- 80.10 The cor to 16 and 17 S R 9 & 10 E.

Land Level.

Soil 2 & 3 rate.

Timber Scattering mesquite and Palo Verde.

12th Oct 1886

BOOK 102
202
Exteriors T_h 17 S R 10 E continued

General Description.

The S. E. portion of this T_h is rough and broken, lying in the foot hills and spurs of the Sierra mountain and contain mineral, several mines have been opened up, but at the present time nothing is being done in this locality. In sec 35 Horain Stevens has a ranch house outbuildings and corrals, with a large stone and cement tank to which water is conducted in pipes from a cut run into the hill about $\frac{1}{4}$ of a mile up the Gulch. In Sec 26. Garcia has a house getting water from a well. Both these men are employed in

errors Tp 17 S R 10 E continued

Stock Raising.

The balance of the Township contains land that may be classed as second and third rate and is covered with nutritious grasses.

Without irrigation this land is of no use for farming purposes. The Timber in the Township consist of scattering Mesquite and Palo Verde.

This Township should be subdivided.

George Proskunge

U. S. Dep. Sur^{ce}

Field Notesof the Survey of theExterior Boundariesof
Township N^o 17, SouthRange N^o 9, East
of theGila and Salt River
Meridianin theTerritory of Arizona.as Surveyed byGeorge J. RoskrigeU. S. Dep: Sur^{ve}under his Contract N^o 1.Dated March 5th 1886.Survey commenced 19 Oct 1886,Survey completed 19 Oct 1886.

Exterior of 7p 17 South Range 9. E.

On the night of 18th Oct or 1886
I take an observation of the
star Polaris in accordance
with instructions contained
in the Manual of Surveys
and drove pickets on the line
thus established.

Survey commenced on
the 19th October 1886. with a
Young and Sons Solar Transit.

Before commencing
this survey I test my
compass on the line estab-
lished last night, and find
it correct, and the variation
to be $12^{\circ} 56'$ East.

Extensions of T_h 17 S R 9 East

From the cor of T_hs 16 and 17 S.
R_s 8 and 9 E., established by
U.S. Deputy John C. Smith which
is a stone 8 x 8 ins above the
ground marked with 6 notches
on the four sides, and a
mound of stone alongside.
I can from this cor plainly see
a flag previously set by me at
the cor of T_hs 16 and 17 South
R_s 9 and 10 East and find
the bearing to be $N 85^{\circ} 45' E$
Snow run along the north
boundary of T_h 17 S. R. 9 E.
on the course $N 85^{\circ} 45' E$. The
var. of my compass being $12^{\circ} 56'$
East I set temporary $\frac{1}{2}$ mile and
mile posts at 40 and 80 chains

BOOK 1485
Extension of 7th 17 S. R. 9. E. cont'd

Chains and find the $\frac{1}{2}$ line to be
6 miles 37 chains and 43 links.
The correction for the true line
will therefore be 37 chs and 43
links East per mile and its
course $S 85^{\circ} 45' N$.

From the cor to 7ths 16 and 17 S
R 9 and 10 E. already
established and described by
me I run

$S 85^{\circ} 45' N$ on a true
line between Secs 1 and 36

For $12^{\circ} 56' E$

over level land.

13.00 Arroyo 15 links wide course $N 15^{\circ} W$.

25.00 Arroyo 30 links wide course $N 25^{\circ} W$

40.00 Set a post 3 ft long, 3 ins square,

Exteriors of Tpk 17 & R 9 E continued

- Chs 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 x 18 x 12 ins
 E and W of post, 5 $\frac{1}{2}$ feet dist.
 and raised a mound of earth
 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft base around
 post, from which
 mesquite 6 ins dia bears S 82° W
 253 Ws dist marked $\frac{1}{4}$ S. B. T.
 no other trees within limits.
- 4900 arroyo 30 Ws wide course N 15° W.
- 61-10 main road from Tucson to altar
 course N 30° E and S 30° W.
- 8000 Set a post, 4 ft long, 4 ins square
 with marked stone, 12 ins, in the
 ground for cor to Secs 1-2, 35 & 36
 and marked.

Exterior of 7th 17 SR 9 E, continued

Cln T 16 S. S. 36 on NE
 R 9 E S. 1 on SE.
 T 17 S. S. 2 on S. W. and
 S 35 on N. W. faces with notch
 on E and 5 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. base. around post.

Land level

Soil 2 & 3 rate.

Timber a few mesquite and
 Palo Verde.

S 85° 45' W on a true line
 between Secs 2 and 35.

Far 12° 56' East
 over level land.

2000
 Extensions #p 17 S.R. 9. E. continued

Chs
 35.75

Road from Warrens Ranch to the
 Quijot-oa Road course N.W. S.E.

4000

Set a post, 3 feet 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 x 18 x 12 ins
 E and W of post 5 $\frac{1}{2}$ ft dist, and
 raised a mound of earth $\frac{1}{2}$ feet
 high, 3 $\frac{1}{2}$ ft base around post.
 from which.

Amesquite 8 ins dia bears S 16° W
 370 ins dist marked $\frac{1}{4}$ S. B-T.

Amesquite 4 ins dia bears N 89° E
 259 ins dist marked $\frac{1}{4}$ S. B-T.

8000

Set a post, 4 ft long 4 ins square
 with marked stone, 12 ins in
 the ground for cor to Secs 2, 3, 34 & 35

201
Exterior of 17 S R 9 E continued

Chains marked

T. 16. S. S. 35 on NE.

R. 9. E. S. 2, on SE.

T. 17. S. S. 3, on SW and
S. 34, on N.W. faces, with 2
notches on the E and 4 notches
on the W edges, dug pits 18x18
x12 in in each Sec 5 1/2 ft dist
and raised a mound of earth,
2 ft high 4 1/2 ft base around
post - from which
mesquite 8 in dia bears S 18° W
98 W dist marked T. 17 S R 9 E S 3
B.T.

mesquite 12 in dia bears S 87° E
153 W dist marked T. 17 S R 9 E S 2
B.T.

Exterior Sp 17 S. R. 9 E. continued

Chain mesquite 6 in dia bears $N 83^{\circ} E$
 260 links dist, marked T 16 S. R. 9 E
 S 35. B T.

mesquite 12 in dia bears $N 75^{\circ} E$
 202 lks dist, marked T 16 S R 9 E S 35
 B T.

Land level -

Soil 2nd and 3rd rate

Timber Scattering mesquite.

S $85^{\circ} 45' N$ on a true line bet
 Secs 3 and 34.

Far $12^{\circ} 56' East$.

over level land -

4000 Set a post, 3 ft long 3 in square
 with marked stone, 12 in in the

Extension of 17 S. R. 9 E. continued

Chain ground, for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ S on N face, dug pits 18 x 18 x 12 in E and 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

Amesquite 6 in dia bears South

115 W's dist marked $\frac{1}{4}$ S. B. T.

Amesquite 6 in dia bears S 50° E

156 W's dist marked $\frac{1}{4}$ S. B. T.

8000 Set a post 4 ft long 4 in square with marked stone, 12 in in the ground for cor to Secs 34, 33 & 34 marked

T 16, S, S 34 on N E

R 9 E, S 3 on S E

T 17 S R 4 on S W and

S 33 on N W faces with 3 notches

tenors #p 17 S.R. 9 E continued

on E and 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 base, around
post. from which
a mesquite 4 ins dia bears N 12° E
203 Ws dist marked T 16 S R 9 E S 34
B.T.

amesquite 10 ins dia bears N 51° W
237 Ws dist marked T 16 S R 9 E S 33
B.T.

amesquite 8 ins dia bears S. 61° W
254 Ws dist marked T 17 S R 9 E S 4
B.T.

amesquite 10 ins dia bears S 20° E
118 Ws dist marked T 17 S R 9 E S
3. B.T.

BOOK 163
Exterior of $\# 17$ S. R. G. E. continued

Chains Land level.

Soil 2^c and 3^o rate

Timber scattering, mesquite.

S $85^{\circ} 45' N$ on a true line
bet Sec 4 and 33.

Far $12^{\circ} 56'$ East.

2200 Wash 30 yds wide course N $45^{\circ} E$
and S $75^{\circ} N$

3400 Same wash 30 yds wide course
S $75^{\circ} E$ and N $45^{\circ} N$.

4000 Set a Granite Stone $14 \times 6 \times 5$ in
10 in in the ground for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ on N face. dug
pits $18 \times 18 \times 12$ in E and N 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.

Exterior of Fk 17. S. R. q. E. continued

- Chain from which
 amesquite to vis dia bears $S 10^{\circ} W 288$
 the dist marked $\frac{1}{4}$ S. B. T.
- amesquite to vis dia bears $N 83^{\circ} W$
 253 the dist marked $\frac{1}{4}$ S. B. T.
- 4100 Same Arroyo 20 the wide course
 $N 40^{\circ} E$ and $S 70^{\circ} W$.
- 8000 Set a Granite Stone $14 \times 10 \times 8$ in
 10 in in the ground for cor to Sec
 4. 5. 32 and 33 marked with H
 notches on the E and 2 notches
 on the W edges, dug pits $18 \times 18 \times 12$
 in in each Sec $5\frac{1}{2}$ feet dist, and
 raised a mound of earth 2 ft high
 $4\frac{1}{2}$ ft base alongside.
 Land level.
- Soil 2 & 3 rate.
- Timber Scatt of mesquite & Palo Verde.
-

Exterior. $\frac{7}{2}$ 17 | S, R, 9, E. continued.

Chain S $85^{\circ} 45'$ W on a true line bet
sees 5 and 32.

Far $12^{\circ} 56'$ East
over level land.

- 1,000 Wash 20 Mts wide course N $70^{\circ} E$ S $70^{\circ} W$.
- 4,000 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 $18 \times$
 18×12 ins E and W of stone $5 \frac{1}{2}$
feet dist, and raised a mound
of earth $1 \frac{1}{2}$ ft high $3 \frac{1}{2}$ ft base
alongside.
- 8,000 Set a Granite Stone $15 \times 12 \times 6$ ins
10 ins in the ground for cor to
sees 5, 6, 31 and 32 marked with
5 notches on the E and 1 notch on
the W edges. dug pits $18 \times 18 \times 12$ ins

nos 76 17 S. R. q. E. continued

in each see $5\frac{1}{2}$ ft dist, and
raised a mound of earth 2 feet
high $4\frac{1}{2}$ ft base, alongside
from which

amesquite 6 in dia bears S 37° W
187 Mk dist marked T. 17 S. R. q. E. S. 6.
B. T.

a Palo Verde 6 in dia bears S 30° E
231 Mk dist marked T 17 S R q E. S 6
B. T.

a Palo Verde 6 in dia bears N 77° E
244 Mk dist marked T 16 S R q E. S
32. B. T.

a Palo Verde 8 in dia bears S 77° W
319 Mk dist marked T 17 S R q E. S
6. B. T.

Land gently rolling.

Exterior of 17 SR 9 E, continued

Chamiso Soil 3 $\frac{1}{4}$ Hth rate.

Timber some few mesquite
and Palo Verde.

S 85° 45' W on a true line
bet Secs 6 and 31.

Var 12° 56' East

over rolling ground.

17-75 Road from Leon's Ranch to
Tucson, course N 60° E $\frac{1}{4}$ S 60° W.

23.00 Arroyo 30 ft wide course N 60° E.

4.000 Set a Granite Stone 14 x 10 x 8 in
10 in in the ground for $\frac{1}{4}$ Sec
cor, marked $\frac{1}{4}$ on N face, dug
pits 18 x 18 x 12 in E and W of
stone 5 $\frac{1}{2}$ ft dist, and raised
a mound of earth 1 $\frac{1}{2}$ ft high

Elevation of 17 SR 9 E - continued.

- Chams 3½ ft base, alongside -
 from which
 Amesquite 10 ins dia bears N 58° W
 120 M's dist marked ¼ S. B.T.
 Amesquite 4 ins dia bears S 45° W
 86 M's dist marked ¼ S. B.T.
- 58.00 Wash 50 M's wide course N 50° E.
- 74.00 Wash 30 M's wide course N 20° E.
- 88.00 Road from Laberee's Ranch to Tucson
 course N 45° E and S 50° W
- 100.00 Branch of same Road course N 50° E
 and S 45° W.
- 108.00 Wash 50 M's wide course N 45° E.
 and commence ascent of rocky
 hill side of the Coyote Mount.
- 117.43 The cor to Tps 16 & 17 S R's 8 & 9 E.
 Land rolling and rocky.

Field Notesof the Survey of theExterior Boundary
of
Township N^o 16, SouthRange N^o 10, East
of the
Gila and Salt River
Meridian,in the
Territory of Arizona
as surveyed byGeorge J. Roskrug
U. S. Dep: Sur^vUnder his Contract N^o 21-Dated March 5th 1886.Survey commenced 26 Oct 1886
Survey completed 26. Oct. 1886

Exterior of 16 SR. 10. East.

on the night of 25th Oct 1886
I take an observation on
the Star Polaris in accordance
with instructions contained
in the manual of surveys
and drove nails on the
line thus established.

Survey commenced
on the 26th Oct 1886, with
a Young and Sons Solar
Transit!

Before commencing
this survey I test my
compass on the line established
last night, and find it
correct, and the variation
to be $12^{\circ} 58'$ East.

Exteriors of Tps 16 & R 10 E

Chain begins at the cor of Tps 16 and 17
 & Ranges 9 and 10 East, which
 is a Granite Stone 20 x 12 x 8 ins
 firmly set in the ground with
 mound of earth and pits, from
 which a Palo Verde 8 ins dia
 bears $S 8^{\circ} E$. 270 Mts dist marked
 T 17 & R 10 E & 6. TBT.

Hence I ran

North between Secs 31 and 36.

Var $12^{\circ} 58' E$

over gently rolling ground.

- 4.00 Wash 15 Mts wide course $N 45^{\circ} W$.
- 15.50 Wash 10 Mts wide course $N 45^{\circ} W$.
- 18.30 Wash 20 Mts wide course $N 40^{\circ} W$.
- 34.00 Wash 30 Mts wide course $N 45^{\circ} W$.
- 39.00 Wash 10 Mts wide course $N 45^{\circ} W$.

Exterior of 16 S R 10 E cont^o

Chain
4000

Set a post, 3 ft long 3 in square with marked stone 12 in in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ S on N face dug pits 18 x 18 x 12 in N and S of post and raised a mound of earth $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base around post. from which

mesquite 6 in dia bears N 82° W. 104 Ws dist marked $\frac{1}{4}$ S B.T.

mesquite 6 in dia bears S 81° W 141 Ws dist marked $\frac{1}{4}$ S B.T.

4100 Wash 10 Ws wide course N 45° W.

8000 Set a post 4 feet long 4 in square with marked stone 12 in in the ground for cor to Secs 25. 30. 31 and 36, marked!

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Exteriors T₁₆ S R 10 E. cont'd

Chs T₁₆ S S 30 on N.E.

R 10 E S 31 on S.E.

R 9 E S 36 on S.W. and

S 25 on N.W. faces with
1 notch on the S and 5 notches
on the N edges dug pits 18 x 18
x 12 ins in each Sec 5½ feet
dist and raised a mound
of earth 2 ft high 4½ ft base
around post. from which
amesquite 6 ins dia bears N 80° W
84 Mts dist marked T₁₆ S R 9 E.
S 25. B.T. no other trees within
limits.

Land mostly level.

Soil 1st and 2^d rate

Timber scattering mesquite and
palo Verde.

Exterior Sp 16 S, R, 10 E cont'd,

the North bet Secs 25 and 30th

Var $12^{\circ} 58' E$

over level land.

4000 Set a post 3 ft long, 3 in square with marked stone 12 in in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4} S$ on N face, dig pits $18 \times 18 \times 12$ in N and 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. from which.

mesquite 8 in dia bears $S 77^{\circ} W$.

127 W's dist marked $\frac{1}{4} S$. B.T.

mesquite 4 in dia bears $N 80^{\circ} W$.

193 W's dist marked $\frac{1}{4} S$. B.T.

65.20 Railroad from Tucson to altar course $N 30^{\circ} E$ and $S 20^{\circ} W$.

exterior of 16 S R 10 E cont'd

80.00 Set a post 4 ft long 4 in sq
with marked stone 12 in in
the ground for the cor to Secs
19. 24. 25 and 30 marked
T 16 S. S 19 on N E.
R 10 E S 30 on S. E
R 9 E. S 25 on SW and
S 24 on N.W. faces with 2 notches
on the S and 4 notches on the
N edges. dug pits 18 x 18 x 12 in
in each Sec, 5 1/2 ft dist and
raised a mound of earth 2 ft
high 4 1/2 ft base, around
post, from which.

Amesquite 5 in dia bears N 88° W
229 ft dist. marked T 16 S R 9 E
S 24. B T. No other trees
within limits.

Exterior Sp 16 S R 10 E cont'd

Chain Land level.

Soil 1st and 2^d rate.

Timber a few mesquite.

North bet Secs 19 and 24.

Far 12° 58' E

over level land.

4000 Set a post 3 ft long. 3 mi square with marked stone 12 mi in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ S on N face dug pits 18 x 18 x 12 mi N and 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.

75.10 Road from Leon's and Taber's Ranches to Tucson course N 45° E and S 45° W.

Exterior of 16 S R 10 E cont'd

Chc
5000

Set a post, 4 ft long, 4 in square with marked stone 12 in in the ground for cor to Secs 13-18 19 and 24 marked T 16 S. S. 18 on N. E. R 10 E S. 19 on S E R 9 E. S. 24 on S. W and S 13 on N. W faces with 3 notches on N and S. edges, dug pits 18 x 18 x 12 in in each Sec 5 1/2 feet dist, and raised a mound of earth 2 ft high 4 1/2 ft base, around post.
from which

Junco 4 in dia bears N 21° E 120 ft dist marked T 16 S. R 10 E S 18. B.T.

Exteriors of 16 S R 10 E cont'd

Chs Amesquite + mis dia bears N46°E
201 Mk dist marked T16 S R 10 E
S 18. B.T.

Amesquite + mis dia bears S74°W
204 Mk dist marked T16 S R 9 E
S 24 B.T. no other trees within
limits.

Land level.

Soil 1st rate.

Timber some few mesquite.

North bet Secs 13 and 18

7 or 12° 58' E

over level land.

2000 Jui Bawleys Hay camp 5 chs
West.

Exterior of 16 S R 10 E cont'd

- the
20.50 Road from the Hay camp to
Bawley's Ranch course $N 50^{\circ} E$
and $S 70^{\circ} W$.
- 40.00 Set a post 3 ft long 3 in square
with marked stone 12 in in
the ground for $\frac{1}{4}$ Sec cor. marked
 $\frac{1}{4} S$ on W face dug pits $18 \times 18 \times$
12 in N and S of post $5 \frac{1}{2}$ ft
dist, and raised a mound
of earth $1 \frac{1}{2}$ ft high - $3 \frac{1}{2}$ feet
base around post. from which
a mesquite 4 in dia bears $N 39^{\circ} W$
121 in dist marked $\frac{1}{4} S. B.T.$
A mesquite 6 in dia bears $N 12^{\circ} E$
202 in dist marked $\frac{1}{4} S.B.T.$
- 80.00 Set a post 4 ft long 4 in square
with marked stone 12 in in the

Section 16 S R 10 E cont'd

The

ground for cor to Sec 7-12-13 & 18
marked

T 16 S. S. 7 on N.E.

R 10 E S 18 on S E

R 9 E S 13 on SW and

S 12 on N. W faces with 4
notches on the S and 2 notches

on the N 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 around
post.

Land level.

Soil 1st and 2nd class.

Some Brush along line and
a few scattering mesquite

Trees.

Exterior of 16 & R 10 E cont'd

Chs North bet Secs 7 and 12
Twp 12° 58' East
over level land.

4000 Set a post, 3 ft long, 3 in sq
with marked stone 12 in in
the ground for $\frac{1}{4}$ Sec cor, marked
 $\frac{1}{4}$ S on N face. dug pits 18 x 18
x 12 in N and 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. from which
mesquite 6 in dia bears S 58° W
45 M's dist marked $\frac{1}{4}$ S. P. T.
mesquite 6 in dia bears S 12° W
157 M's dist marked $\frac{1}{4}$ S. P. T.

66.00 Road from Tucson to the
Quijotoa course N 80° E and
S 75° W.

Exterior of 16 S R 10 E cont^d

Chs
8000

Set a Volcanic Stone $20 \times 14 \times 12$ ins
15 ins in the ground for cor to
Secs 1-6-7 and 12 marked with
5 notches on the S and 1 notch
on the N edges. dug pits $18 \times$
 18×12 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
mesquite 4 ins dia bears $S 3^\circ E$
188 ins dist marked T 16 S R 10 E
S. 7 - B. T.

mesquite 4 ins dia bears $S 11^\circ E$
154 ins dist marked T 16 S R 10 E
S 7 - B. T. no other trees within
limits.

Land level.

Soil 2 and 3^e rate

28
 Exterior of Fr 16 S R 10 E continued

Clear timber some few mesquite.

North bet Secs 1 and 6
 Var $12^{\circ} 58' E$
 over level land

4000 Set a Volcanic Stone $18 \times 12 \times 8$
 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 N and S
 of stone $5\frac{1}{2}$ feet dist, and raised
 a mound of earth $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base - alongside

40-70 Enter Malpais hills and
 Telegraph line from Tucson to
 Quitova course $N 80^{\circ} E$ and
 $S 70^{\circ} W$.

55,65 Intersect the 3rd Standard

Exterior of Fr 16 & R 10 E cont'd.

Chs Parallel South at a point 17.50 chains East of the Standard Cor to Fr 15 & R 9 and 10 East which is a post 3 x 3 ins, set in ground, with mound of earth and pits. marked S.C on the North. R 10 E & 31 on the West and T 15 S. R 10 E. S. 32 on East faces with 5 notches on the E and one notch on the W edges.

At the closing cor to Secs 1 & 6 Fr 16 S. R 9 and 10 East, I set a volcanic stone 24 x 10 x 6 ins 18 ins in the ground, marked C.C on the S face with 6 notches on S. W and

Exteriors of 16 S R 10 E continued

clo E, edges, and raised a mound of stone alongside. fits impracticable.

Land level. for 40 chains then rocky and volcanic hills soil 2^c and 4th rate.

Timber a few scattering Mesquite.

26th October 1886.

Note.

From the standard cor to the 16 S, R 9 and 10 E. I ran $S89^{\circ}50'N$ along the 3rd standard South, (as per field notes furnished me) and at 80 chs found the stan^d cor of Secs 35 and 36 which is a

Exterior of Sp 16 SR 10 E cont'd

stone $6 \times 18 \times 7$ in above ground with mound of earth and pits marked with 1 notch on the E and 5 notches on the W edges. I now run from the standard cor of Sp 15 SR 9 and 10 E. East along the 3rd standard south and at 80 chs find the remains of the cor. (which I renew) having now left the hills and entered on a level plain I flag the line for several miles and find the course to be $N 88 \frac{1}{4}^{\circ} E$. from this, and the fact that all of the corners are almost obliterated and I will have

Exterior of 16 SR 10 E. cont'd.

to renew them. I am forced to come to the conclusion that the Deputy was very careless in his work, and did most of it on paper.

General description

This Township embraces a large quantity of good farming and grazing land, and is covered with nutritious grasses. In Sec 5 James Bawley has a stock Ranch. With water for irrigating, nearly the whole of this T^h could be brought under cultivation.

This Township should

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Exterior of 16 S. R. 10 E cont^d

be subdivided.

George Roskruge
U. S. Deputy Sur.

Field Notes

of the Survey of the
Exterior Boundaries

of
Township No 16 South
Range No 8, East

of the
Gila and Salt River
meridian

in the
Territory of Arizona

as surveyed by

George H. Kurgie

U. S. Dep. Sur^r

Under his Contract No 1 -

Dated March 5th 1886.

Survey commenced 9th Nov 1886.

Survey completed 9th Nov 1886.

Observations of Sp 16 S. Range 8 East

on the night of 8th November 1886
& take an observation of the star
Polaris, in accordance with
instructions contained in the
Manual of Surveys and drove
pickets on the line thus
established.

Survey commenced 9th Nov
1886 with a young and some
Solar Transit.

Before commencing this
survey I test my compass on
the line established last night
and find it correct, and the
variation to be 13° East.

I begin at the Cor to Sp
16 and 17 S. R. 7 and 8 East

Exterior of 16 SR 8 E continued

Chc which is a granite rock $9 \times 12 \times 10$ ins above the ground with 6 notches on 4 faces, and a mound of stone alongside.

Thence I run

North bet Secs 31 and 36.

Far 13° East

Line runs down steep rocky mountain slope of the North end of the Baboquivari mts

27.00 Foot and line runs over low foot hill.

40.00 Summit of low hill and set a Granite $30 \times 18 \times 15$ ins 22 ins in the ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ on N face and raised a mound of stone, $1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft

Exterior Sp 16 & R 8 E continued

- Chc. base, alongside, pits impracticable.
- 51.50 Tawnee 10 ft deep and foot of low hill and enter rolling land.
- 8000 Set a Granite $20 \times 16 \times 8$ ins 15 ins in the ground for cor to Secs 25 30. 31 and 36 marked with 1 notch on the S and 5 notches on the N edges, and raised a mound of stone alongside. pits impracticable. from which.
- mesquite 12 ins dia bears $N 13^\circ W$ 176 links dist, marked T 16 & R 7 E S 25. B.T.
- a mesquite 16 ins dia bears $S 37^\circ W$ 153 links dist, marked T 16 & R 7 E S 35. B.T.
- mesquite 16 ins dia bears $S 6^\circ E$

Exterior of 16 S. R. S. E. continued

Chains 250 1/2 dist marked T 16 S R S E
S 31. BT.

No other trees within limits.
Land rough & mountainous
for first 60 chs then rolling
Soil worthless.

Timber a few mesquite.

North bet Secs 25 and 30.

Var 13° East

over rolling land.

17.00 Ravine 6 ft deep course $N 30^{\circ} W$.

40.00 Set a granite stone $16 \times 12 \times 6$
ins 11 ins in the ground for $\frac{1}{4}$
see cor. marked $\frac{1}{4}$ on N face.

dig pits $18 \times 18 \times 12$ ins N and S
of stone $5 \frac{1}{2}$ ft dist, and raised

Exterior of 7p 16 S R.S.E. continued

- Chs a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base alongside - from which
 mesquite 6 in dia bears S 54° W
 94 Ws dist marked $\frac{1}{4}$ S. B.T.
 mesquite 4 in dia bears N 10° W
 56 Ws dist marked $\frac{1}{4}$ S. B.T.
- 44.50 Wash 18 Ws wide course N 60° W.
- 51.50 Wash 20 Ws wide course N 40° W.
- 8000 Set a Granite Stone $18 \times 16 \times 8$ in
 12 in in the ground, for cor to
 Secs 19. 24. 25 and 30 marked
 with 2 notches on the S and 4
 notches on the N edges. dug pits
 $18 \times 18 \times 12$ in, in each Sec $5\frac{1}{2}$ ft
 dist, and raised a mound of
 earth 2 feet high $4\frac{1}{2}$ ft base
 alongside - from which.

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Exteriors Apr 16 S R & E continued

Chic amesquite 6 vis dia bears N 13° E
142 Ws dist marked T 16 S R & E.
S 19. B.T.

a mesquite 18 vis dia bears N 36° E
176 Ws dist marked T 16 S R & E.
S 19. B.T.

amesquite 9 vis dia bears N 45° E
177 Ws dist marked T 16 S R & E
S 19 B.T.

amesquite 6 vis dia bears S 88° E
65 Ws dist marked T 16 S R & E
S 30. B.T.

Land rolling.

Soil 3^c and 4th rate.

Timber scattering mesquite.

Extensors Fr 16 S R 8 E continued

Chc North bet Secs 19 and 24
Far 13° E

over gently rolling ground.

10.50 Road from Quijotoa to Tucson
course West and N 75° E.

4000 Set a Granite Stone 18 x 12 x 10 - ins
9 ins in the ground for ¼ Sec cor
marked ¼ on W face. dug pits
18 x 18 x 12 ins N and S of stone 5 ½
feet dist, and raised a mound
of earth 1 ½ ft high, 3 ½ ft base
alongside - from which
a mesquite 4 ins dia bears N 72° W
75 Ws dist, marked ¼ S B.T.
amesquite 6 ins dia bears West
225 Ws dist, marked ¼ S. B.T.

8000 Set a Granite Stone 18 x 12 x 10 ins

Exterior Sp 6 & R & E continued.

Chamiso 12 ins in the ground for cor to
 Secs 13-18-19 and 24 marked
 with 3 notches on N and 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
 amesquite 8 ins dia bears S 73° E
 209 yds dist marked T 16 & R 8 E
 S 19. B. T.

amesquite 16 ins dia bears S 77° E
 121 yds dist marked T 16 & R 8 E
 S 19 B T.

No other trees within limits.

Land gently rolling.

Soil 2nd and 3rd rate

Timber scattering Mesquite

corners of 16 S R & E. continued

North between Secs 13 and 18.

Far 13° E

over level land.

24. Telegraph line between Quijotoa
and Tucson course West and
 $N70^{\circ}$ E.

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 N face, dug pits 18
 $\times 18 \times 12$ ins N and 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
mesquite 4 ins dia bears $N24^{\circ}$ W
87 Ws dist marked $\frac{1}{4}$ S.B.T.
mesquite 6 ins dia bears $N43^{\circ}$ W
135 Ws dist, marked $\frac{1}{4}$ S. B.T.

Exterior of T₁₆ S. R. 8 E cont'dChain
80.00

Set a Granite Stone 18 x 10 x 4 ins
12 ins in the ground for cor to Secs
7-12-13 and 18 marked with 4
notches on the S and 2 notches
on the N edges dig pits 18 x 18 x 12
ins in each Sec 5 1/2 ft dist and
raised a mound of earth 2 feet
high 4 1/2 ft base alongside.
from which.

A mesquite 4 ins dia bears S 51° E
198 Ms dist marked T 16 S R 8 E
S 18. B.T.

A mesquite 6 ins dia bears S 19° W
256 Ms dist marked T 16 S R 7 E
S 13. B.T.

A mesquite 8 ins dia bears S 79° W
265 Ms dist marked T 16 S R 7 E
S 13 - B.T.

Exterior of 7p 16 S R. 8. E. continued

Chc No other trees within limits.

Land level.

Soil 2 and 3rd rate.

Unless scattering Mesquite.

North bet Secs 7 and 12

7 or 13° E

over level land.

27.50 Arroyo 30 M's wide course N 40° E

39.60 Arroyo 30 M's wide course N 45° E.

4000 Set a Granite 14 x 12 x 5 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 and S of stone 5 $\frac{1}{2}$ ft dist
and raised a mound of earth
1 $\frac{1}{2}$ feet high 3 $\frac{1}{2}$ ft base alongside.

Exterior of 16 S R & E. continued.

Chains from which

a mesquite 8 ins dia bears $N 32^{\circ} W$
127 U's dist marked $\frac{7}{8}$ S. B.T.

a mesquite 8 ins dia bears $N 42^{\circ} E$
99 U's dist marked $\frac{7}{8}$ S. B.T.

41.50 Arroyo 20 U's wide course $N 45^{\circ} E$.

80.00 Set a Granite $18 \times 15 \times 8$ ins 12 ins
in the ground for cor to Secs 1-6
7 and 12, marked with 5 notches
on S and 1 notch on N edges dig
pit $18 \times 18 \times 12$ ins in each Sec $5 \frac{1}{2}$
ft dist, and raised a mound of
earth 2 ft high $4 \frac{1}{2}$ feet base
alongside. from which
a mesquite 6 ins dia bears $S 73^{\circ} E$
37 U's dist marked T 16 S. R. & E. S.
7 B.T.

erion 7p 16 SR & E continued

Amesquite 10 vis dia bears S 20° E
88 Uts dist marked T 16 SR & E &
7 B.T.

Amesquite 12 vis dia bears S 75° W
269 Uts dist marked T 16 SR 7 E
S-12 B.T.

Amesquite 10 vis dia bears N 69° W
149 Uts dist marked T 16 SR 7 E
S 1. B.T.

Land level.

Soil 2 and 3 Crats.

Trunks scattering Mesquite.

North between Sees 1 and 6.
Far 13° E
over level land.

Eckmanoss Tp 16 S R 8 E continued

Chs

31.00 Wash 20 Mc wide course N 45° E

4000 Set a Granite Stone 14 x 10 x 8 ins
 10 ins in the ground for $\frac{1}{4}$ Sec cor
 marked $\frac{1}{4}$ S on W face dug pits
 18 x 18 x 12 ins N and 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
 amesquite 8 ins dia bears S 88° E.

142 Mc dist marked $\frac{1}{4}$ S. B T.

amesquite 6 ins dia bears S 64° E.

115 Mc dist marked $\frac{1}{4}$ S B T.

82.46 Intersect the 3rd Standard parallel
 South at a point 16.88 chs S 89° 50' W
 of the Standard cor to Tpe 15 S
 Ranges 7 and 8 E - at which

Exterior of Sp 16 S R & E continued

At this point I set a Granite $20 \times 12 \times 10$ ins 15 ins in the ground for the closing corner to Sp 16 S R & E 7 and 8 East. marked CC on S face with 6 notches on the E S and W faces. dug pits $24 \times 18 \times 12$ ins E W and S of stone 5 ft dist and raised a mound of earth $2\frac{1}{2}$ ft high 5 ft base alongside from which

Amesquite 6 ins dia bears S 29° W
 138 Ws dist marked T 16 S R 7 E.
 S 1 B T.

Amesquite 3 ins dia bears S 36° E
 100 Ws dist marked T 16 S R 8 E.
 S 6. B T.

Amesquite 8 ins dia bears S 45° E

Excursions of 16 S R & E continued

163 U's dist marked T 16 S R & E
S 6 B.T.

mesquite 8 m dia bears S 82° E

179 U's dist marked T 16 S R & E.
S 6 B.T.

at the S cor of Fps 15 S bet R 7 &
& E I found a post 3 x 3 m sq.
firmly set in the ground with
mound of earth and pits,
post marked SC on N face
T 15 S R & E. S 32 on E and
R & E. S 31 on W faces with
6 notches on the E and 1 notch
on the W edges. from which
a mesquite 10 m dia bears
N 12° E 238 U's dist marked
T 15 S R & E S. 32 S.C. B.T.

Exterior of 16 S R 8 E continued

Chs. In the field notes furnished me by the U.S. Surveyor General, this post is described as marked.

S. C. on N.

T 15 S R 7 E S 3 1/2 on W

R 8 E S 3 1 on E faces with 6 notches on N, E & W edges.

and the bearing tree as a Mesquite 10 in dia bears N 12° E

238 Mk dist marked T 15 S R 8 E S 3 1/2 T. S. E.

Land level

Soil 2 and 3 rate

Timber scattering Mesquite.

November 9th 1886

George H. Rusk
U.S. Deputy Svr.

Exterior of Tp 16 SR 8 E cont'd

General Description

The Southern portion of this Tp is covered by the North end of the Coyote Mountain. The Mountain is a mass of granite and almost inaccessible.

The balance of the Township is rolling land, covered with nutritious grasses, and may be classed as from 2nd class to worthless.

Maish Bros have a Stock Ranch in Sec 10 - and in Secs 19 and 20 is located the Papago Indian Village of Coyote. The Indians obtain

Exterior of the R & E cont'd

Their water from small springs flowing from the base of the Coyote Mountain, but the amount is very limited.

The Tp is covered with a scattering growth of palo verde and mesquite timber. This Township should be subdivided.

George H. Kauge
U.S. Deputy Sur.

Field Notes

of the Survey of the
Exterior Boundaries
of
Township N^o 16 South
Range N^o 7 East
of the
Gila and Salt River meridian,
in the
Territory of Arizona
as surveyed by
George H. Rusk
U. S. Dep. Surv^r

Under his Contract N^o 1 -
Dated March 5th 1886 -

Survey commenced Nov 14, 1886.
Survey completed Nov 15, 1886.

Exterior of Sp 16 S. R. 7. East

on the night of 13th November 1886. I take an observation of the Star polaris, in accordance with instructions contained in the Manual of Surveys and drove pickets on the line thus established.

Survey commenced 14th November 1886 with a Young and Sons Solar Transit.

Before commencing this Survey I test my compass on the line established last night and find it correct, and the variation to be 13° East -

370

Exterior of 16 S. R. 7 E. continued

Chs marked $\frac{7}{4}$ on N. face, and raised a mound of stone $1\frac{1}{2}$ feet high $3\frac{1}{2}$ ft base. alongside, pits impracticable.

4500 Ravine 20 feet deep course N 45° W.

6200 Ravine 20 feet deep course N 50° W.

8000 Set a Granite stone $24 \times 18 \times 5$ ins 18 ins in the ground, for cor to Secs 1. 2. 35 and 36. marked with 1 notch on the E and 5 notches on the W edges. and raised a mound of stone alongside, Pits impracticable. from which.

An oak 8 ins dia bears N 86° E

25 Ws dist marked T 16 S. R 7 E.

S 35. B.T. No other trees within limits.

Extensions of 16 S. R. 7 E. continued

Chs Land rough & mountainous -
 Soil worthless -
 Timber scattering oak.

West on a true line between
 Secs 2 and 35.

Var 13° East.

over North slope of the extreme
 North end of the Baboquivari
 Mountains.

- 600 Ravine 10 feet deep course $N 70^{\circ} W$.
- 1900 Ravine 20 feet deep course $N 50^{\circ} W$.
- 38.50 Spring of good water 1 chain South
 of line, and ravine 15 feet deep
 course $N 15^{\circ} W$.
- 40.00 Set a Granite rock $20 \times 20 \times 10$ ins

Exterior Herb. S. R. 7. E. continued.

- Chains 15 ins in the ground for $\frac{1}{4}$ Sec cor
 marked $\frac{1}{4}$ on N face. and raised
 a mound of stone, $1\frac{1}{2}$ ft high $3\frac{1}{2}$
 ft base, alongside, pits impractic-
 able. from which
 an oak 10 ins dia bears $N1^{\circ}E$. 90
 Yds dist, marked $\frac{1}{4}$ S.B.T.
 an oak 12 ins dia bears $S86^{\circ}E$
 110 Yds dist marked $\frac{1}{4}$ S. B.T.
- 5300 Prairie 30 ft deep course $N40^{\circ}W$.
- 8000 Set a Granite stone $18 \times 12 \times 12$ ins
 12 ins in the ground for the cor to
 Secs 2. 3. 34 and 35, marked with
 2 notches on the E and 4 notches
 on the W edges, and raised a
 mound of stone alongside.
 pits impracticable.

erions of 16 S. R 7 E. cont'd

from which

An oak 8 in dia bears S 55° W 86

Wks dist, marked T 17 S. R. 7 E. S. 3 BT.

An oak 4 in dia bears S 46° E 24 Wks

dist marked T 17 S. R 7 E. S 2. BT.

An oak 16 in dia bears N 44° E 72 Wks

dist marked T. 16. S. R. 7. E. S 35 BT.

An oak 10 in dia bears N 5° W 82 Wks

dist marked T 16 S R 7 E S 34. BT.

Land rough & mountainous.

Soil worthless.

Timber scattering oak.

West on a true line bet Secs
3 and 34.

over slope of the extreme North
end of the Baboquivari Mountⁿ

Exterior of 16 S R 7 E, Cont'd.

- Che
 400 Ravine 6 ft deep course N 40° W.
 12.50 Ravine 8 ft deep course N 10° W.
 3900 Ravine 8 feet deep course N 30° E.
 4000 Set a Granite 15 x 12 x 8 ins 10 ins
 in the ground for $\frac{1}{2}$ sec cor. marked
 $\frac{1}{4}$ on N. face and raised a mound
 of stone, 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft base
 alongside, pits unpracticable.
 from which.
 Mesquite 12 ins dia bears N 40° W
 230 Its dist marked $\frac{1}{2}$ E. B. T.
 No other trees within limits.
 6600 Ravine 15 feet deep course N 25° E.
 8000 Set a Granite stone 20 x 8 x 8 ins
 15 ins in the ground for cor to sec
 3. 4. 33 and 34 marked with 3
 notches on the E and W edges

Exterior of 76 S. R. 7 E cont'd

Chs. and raised a mound of stone
 alongside - pits impracticable.
 Land rough & mountainous -
 Soil worthless.
 Timber a few mesquite and oak.

West on a true line bet Secs
 4 and 33.
 Var $13^{\circ} E$.

over spur running N. Westerly from
 the Caboquivari Mountains.

9.00 Summit of Spur about 500 feet above
 the level of the plain. and commence
 descent over S. W. slope of spur.

21.00 Ravine 15 feet deep course S. $30^{\circ} W$.

33.00 Ravine 18 feet deep course S. $15^{\circ} W$.

Exterior of #16 SR 7 East continued

Chain
4000

Set a Granite Stone $18 \times 15 \times 10$ in
12 in in the ground for $\frac{1}{4}$ sec cor-
marked $\frac{1}{4}$ on N face and raised
a mound of stone, $1\frac{1}{2}$ feet high
 $3\frac{1}{2}$ feet base, alongside, pits
infracticable.

65.00 Ravine 15 feet deep course S 40° W.

8000 Set a Granite Stone $36 \times 24 \times 18$ in

27 in in the ground for the cor-
to Secs 4, 5, 32 and 33, marked
with 4 notches on the East and
2 notches on the W edges, and
raised a mound of stone, along
side, pits infracticable.

Land rough & mountainous.

Soil worthless.

Timber scattering oak.

Exterior of 76 16 South R 7 E cont'd

Chs. West on a true line bet Secs
5 and 32.

Var 13° E.

Line runs down over SW slope of
Mountain Spur.

4000 Foot of Spur and set a Granite Stone
 $20 \times 8 \times 6$ in 15 in in the ground
for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ on N face
and raised a mound of stone $1\frac{1}{2}$ feet
high $3\frac{1}{2}$ feet base alongside. pits
infracticable.

4050 Ravine 2 feet deep course N 70° W.

4700 ^{Ravine} Ravine 8 feet deep course S 75° W.

5100 Same Ravine 10 feet deep course N 50° W.

7500 + Capago Indian Houses immediately
South of line. Houses built of adobe.

8000 Set a Granite $16 \times 12 \times 8$ in 12 in

Exterior of 16 S. R. 7. E. continued

Chains in the ground for the cor to Secs 5.6
31 & 32, marked with 5 notches on
the East and 1 notch on the West
edges dug pits $18 \times 18 \times 12$ in in
each Sec $5\frac{1}{2}$ feet dist, and raised
a mound of earth 2 feet high
 $4\frac{1}{2}$ feet base, alongside.

Land for the first $\frac{1}{2}$ mile rough
& mountainous - the last $\frac{1}{2}$ mile
gently rolling.

Soil 3rd and 4th rate.

Timber a few oak & mesquite.

West on a true line between Secs
31 and 6.

Tax 13° East.

over gently rolling land.

Exterior of 16 S.R. 7. E. continued

- 11.00 Ravine 10 feet deep course N 20° W,
and line runs over low hills,
- 21.00 at 12 chains North of this point there
is a papago Indian House, built of
adobe.
- 22.00 Summit of ridge bearing N and S and
about 90 feet high
- 33.00 Ravine 10 feet deep course N 10° E.
- 40.00 Set a Granite Stone 24 x 12 x 8 in 18
in in the ground for $\frac{1}{4}$ Sec cor, marker
 $\frac{1}{4}$ on N face, and raised a mound
of stone, $1\frac{1}{2}$ feet high $3\frac{1}{2}$ feet base
alongside. hits impracticable -
- 42.00 Summit of a ridge bearing N and S
and about 150 feet high and
descend.
- 60.00 Foot and enter level ground -
- 77.50 Wash 40 M's wide course S 40° W.

Externos of 16 S R. 7 E. continued.

78.19 allowing for convergency - at
I set a Granite stone $20 \times 12 \times 6$
in 15 in in the ground for cor
to Secs 1-6, 31 and 36 and of Tps
16 and 17 S, R. 6 and 7 E. Marked
with 6 notches on N. S. E and W
edges, and raised a mound of
stone alongside.

Land rocky and hilly.

Soil 4th rate.

Timber a few mesquite.

14th Nov 1884

Exterior of Sec 16 S R 7 E continued

- Chs from the cor of Secs 16 and 17 S
 Rs 6 and 7 East. just established
 by me. I run
 north between Secs 31 & 36.
 Tor 13° East
 over low rocky hills, commence
 ascent from cor
- 1600 Ravine 5 feet deep course $N 65^{\circ} E$.
- 1700 Summit and commence descent.
- 4000 Set a Granite Stone $16 \times 10 \times 8$ ins
 11 ins in the ground for $\frac{1}{2}$ Sec cor
 marked $\frac{1}{2}$ on W face. and raised
 a mound of stone, $1\frac{1}{2}$ feet high,
 $3\frac{1}{2}$ feet base, along side, pits unpr-
 acticable. from which
 amesquite 8 ins dia, bears $N 19^{\circ} E$
 253 lks dist, marked $\frac{1}{2}$ S. B.T.

Extensions of 16 S. R. 7. E. continued.

- Chamis a Palo Verde 6 mi dia bears S 57° E
 135 Mls dist marked $\frac{1}{4}$ S. B. T.
- 53.00 Foot of hills and enter rolling land.
- 57.00 Wash 10 Mls wide course N 45° W.
- 60.00 Wash 15 Mls wide course N 45° W.
- 63.00 Wash 20 Mls wide course N 40° W.
- 70.00 Road from Indian House in S. E. $\frac{1}{4}$ of
 Sec 31 to El Plomo - course N 45° E.
- 80.00 Set a Granite 18 x 10 x 6 mi 12 mi
 in the ground, for the cor to Secs
 25, 30-31 and 36, marked with
 1 notch on the S and 5 notches
 on the N edges, dug pits 18 x 18
 x 12 mi, in each Sec 5 $\frac{1}{2}$ feet dist
 and raised a mound of earth
 2 feet high 4 $\frac{1}{2}$ feet base, alongside
 from which.

Exterior of 16 S. R. 7 E. continued.

Chs
 amesquite 18 in dia bears $N 34^{\circ} W$ 82 Ws
 dist marked T 16 S R. 6 E. S 25. B. T.
 amesquite 8 in dia bears $N 74^{\circ} W$ 162
 Ws dist marked T 16 S R. 6 E. S 25. B. T.
 amesquite 4 in dia bears $S 3^{\circ} E$ 42 Ws
 dist marked T 16 S R. 7 E. S 31. B. T.
 No other trees within limits -
 Land rough and rock for 53 chs
 then rolling and stony -
 Soil 4th rate and worthless.
 Timber a few mesquite and Palo
 Verde.

North between Secs 25 and 30
 Far 13° East
 over rolling land.

17.00 Road from El Plomo to Tucson, course
 $N 60^{\circ} E$ and $S 45^{\circ} W$.

Exterior of 7th 16 S. R. 7 E, continued.

- chs
 2200 Wash 15 1/2 ft wide course N 40° W.
 30.50 Wash 10 1/2 ft wide course N 40° W.
 4000 Set a Granite Stone 14 x 12 x 8 in 10
 in in the ground for $\frac{1}{4}$ sec cor, mark
 $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 in
 N and S of stone, 5 1/2 feet dist, and
 raised a mound of earth 1 1/2 ft high
 3 1/2 feet base, alongside.
 46.50 Wash 15 feet wide course N 45° W
 8000 Set a Granite Stone 18 x 10 x 8 in 12
 in in the ground for the cor to Secs
 19. 24. 25 and 30 marked with 2
 notches on the S and 4 notches on
 the N edges, dug pits 18 x 18 x 12 in,
 in each Sec, 5 1/2 feet dist, and raised
 a mound of earth 2 feet high 4 1/2
 feet base, alongside.

errors of 16 S. R. 7 E. continued.

from which

Amesquite 6 mi dia bears $S 85^{\circ} W 155$
 The dist. marked T 16 S. R. 6 E. S. 25. T. B. T.
 a Palo Verde 4 mi dia bears $N 9^{\circ} E 71$
 The dist. marked T 16 S. R. 7 E. S. 19. T. B. T.
 no other trees within limits.

Land rolling -

Soil 3^c and 4th rate.

Timber some scattering mesquite
 and palo verde.

North bet Secs 19 and 24 -

Var 13° East.

over gently rolling land.

40 Set a Granite $18 \times 10 \times 10$ mi 12 mi in
 the ground for $\frac{1}{4}$ Sec cor - marked $\frac{1}{4}$ on

Exterior of 16 S. R. 7. E. continued

- Chamis W face, dug pits $18 \times 18 \times 12$ in N and S of stone $5 \frac{1}{2}$ feet dist. and raised a mound of earth $1 \frac{1}{2}$ feet high, $3 \frac{1}{2}$ feet base, along side.
- 61,00 Road from Quijota to Tucson, course S. 70° E and N 70° W.
- 75,00 Big Indian Trail from Santa Rosa to the Indian House in SE $\frac{1}{4}$ of Sec 31 - course S 40° E & N 40° W.
- 8000 Set a stone $18 \times 12 \times 8$ in 12 in in the ground for the cor to Secs 13-18 19 and 24 marked with 3 notches on N and S edges. dug pits $18 \times 18 \times 12$ in, in each Sec $5 \frac{1}{2}$ feet dist, and raised a mound of earth 2 feet high $4 \frac{1}{2}$ feet base, alongside.

Exteriors of 16 S.R. 7.E. continued.

Chanis from which

Amesquite 6 mi dia bears $N 76^{\circ} W$ 26 1/2
 dist marked T 16 S. R. 6. E. S 13. T. T.

Amesquite 8 mi dia bears $N 89^{\circ} W$ 16 1/4
 dist marked T 16 S. R. 6. E. S 13. T. T.

Amesquite 6 mi dia bears $N 30^{\circ} W$ 110
 1/2 dist marked T 16 S. R. 6. E. S 13. T. T.

Amesquite 8 mi dia bears $S 30^{\circ} E$ 28 1/4
 1/2 dist marked T 16 S. R. 7. E. S 19. T. T.

Soil 3^c & 4th rate.

Land gently rolling.

Timber a few mesquite and Palo Verde.

North between Sect^s 13 and 18.

Far 13^o East.

Exterior of 1/4 Sec 16 S. R. 7. E. continued.

Chs. over level land.

24.60 Wash 100 yds wide course N 45° W.

4000 Set a Granite Stone 15 x 10 x 6 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 and S of Stone 5 $\frac{1}{2}$ feet dist, and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base, alongside - from which

Amesquite 8 ins dia bears S 86° W 22 yds dist marked $\frac{1}{4}$ S.B.T.

Amesquite 8 ins dia bears S 1° W 33 yds dist, marked $\frac{1}{4}$. S. B.T.

78.60 Telegraph line from Quigtona to Tucson course S 85° E and N 85° W.

8000 Set a Granite 16 x 10 x 6 ins 11 ins in the ground for the cor to Secs 7-12-13 & 18

Exteriors of 16 S.R. 7.E. continued

Chs. marked with 4 notches on the South and 2 notches on the North faces dug pits $18 \times 18 \times 12$ in, in each See $5\frac{1}{2}$ feet dist, and raised a mound of earth 2 feet high $4\frac{1}{2}$ feet base, alongside - from which.

Amesquite 4 in dia bears $S70^{\circ}E$ 87 Yds dist, marked T 16 S.R. 7.E. S 18. B.T.

Amesquite 6 in dia bears $N64^{\circ}E$ 94 Yds dist marked T 16 S.R. 7.E. S 7. B.T.

An Iron Wood 4 in dia bears $S23^{\circ}E$ 152 Yds dist marked T 16 S.R. 7.E. S 18. B.T.

An Iron Wood 6 in dia bears $N18^{\circ}E$ 200 Yds dist, marked T 16 S.R. 7.E. S 7. B.T.

Land level.

Soil 2^c rate.

Timber scattering Mesquite and Iron Wood.

Exterior of $\frac{1}{4}$ Sec 15 S. R. 7 E. continued

Chs North, bet Secs 7 and 12
 Far 13° East.
 over level land -

- 31.00 Wash 30 M's wide course $N40^{\circ}E$.
- 40.00 Set a Granite Stone $16 \times 10 \times 4$ ins 11 ins
 in the ground for $\frac{1}{4}$ Sec cor, marked
 $\frac{1}{4}$ on N face. dig pits $18 \times 18 \times 12$ ins
 N and S of stone, $5 \frac{1}{2}$ feet dist and
 raised a mound of earth $1 \frac{1}{2}$ feet
 high, $3 \frac{1}{2}$ feet base, alongside.
 from which
- a mesquite 6 ins dia bears $S22^{\circ}W$
 140 M's dist, marked $\frac{1}{4}$ S. B. T.
- a mesquite 6 ins dia bears $N50^{\circ}E$.
 153 M's dist, marked $\frac{1}{4}$ S. B. T.
- 50.00 Set a Granite $18 \times 10 \times 5$ ins 12 ins in
 the ground for the cor to Secs 1-6, 7 & 12

Esteroos 7p16 S.R. 7.E. continued.

Chis marked with 5 notches on the South and 1 notch on the N edges, dug pits $18 \times 18 \times 12$ ins, in each Sec. $5\frac{1}{2}$ feet dist, and raised a mound of earth 2 feet high, $4\frac{1}{2}$ feet base, along side - from which

a Mesquite 8 ins dia bears $N 16^\circ W 180$ Wks dist marked T16 S.R. 6.E. S 1. B.T.

- a Mesquite 8 ins dia bears $S 56^\circ W 217$ Wks dist marked T16 S.R. 6.E. S 12. B.T.

a Mesquite 8 ins dia bears $S 57^\circ W 265$ Wks dist marked T16 S.R. 6.E. S 12. B.T.

- a Mesquite 4 ins dia bears $S 1^\circ E 217$ Wks dist marked T16 S.R. 7.E. S 7. B.T.

Land level -

Soil 2^o and 3^c - rate

Triber scattering Mesquite -

550
Exterior of 16 S.P. 7. E. continued

Chanis North between Secs 1 and 6
7 or 13° East.

over level land.

4000 Set a Granite Stone 14 x 10 x 5 in
10 in in the ground for $\frac{1}{4}$ Sec. cor
marked $\frac{1}{4}$ on the E face, dug pits
18 x 18 x 12 in N and S of stone $5\frac{1}{2}$
feet dist, and raised a mound of
earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base
alongside - from which

Amesquite 6 in dia bears N 6° E

119 U's dist marked $\frac{1}{4}$ S. B.T.

Amesquite 8 in dia bears N 30° W

223 U's dist marked $\frac{1}{4}$ S. B.T.

82.10 Intersect the 3^d standard Parallel
South, at a point 14.83 Chanis
S 89° 50' W from the standard

corners of 16 S. R. 7. E. continued

cor to Secs 31 and 36 and Tps 15 S
Rs 6 and 7, East where I found a
post 36 ins long 2x2 ins square
marked S.E. on the N.

T 15 S R. 7. E. S 32 on E and
R. 7. E. S 31 on W faces with mounds
of earth and pits.

In the field notes, describing this
cor, furnished me by the U. S.
Surveyor General, I find this
cor described as follows.

post marked S. E. T 15 S on N.

R. 7. E. S 31 on E

R. 6. E. S 36 on W faces.

At the closing cor of 16 S R 6 & 7
East I set a Granite Stone 24x8
x 6 ins, 18 ins in the ground, marked

Exterior of T₁₆ S R 7 E, continued

C.C. on the S with 6 notches on
the S, E. and W. faces, dug pits
24 x 18 x 12 in. W. S. and E. of stone
5 feet dist, and raised a
mound of earth 2½ feet high,
5 ft. base alongside.

from which

mesquite 4 in dia bears S 81° E

116 in dia dist marked T₁₆ S R 7 E. S 6. B.T.

mesquite 8 in dia bears N 80° E 35

in dia dist marked T₁₅ S R 6 E. S. 36 B.T.

mesquite 8 in dia bears N 16° W

120 in dia dist marked T₁₅ S R 6 E. S. 36 B.T.

No other trees within limits.

Land level -

Soil 2 Crat. -

Timber scattering Mesquite.

15th Nov 1885

Exterior of Tk 16 S.R. 7.E. continued

General Description

The Southern portion of this Tk is covered by the North end of the Baboquivari mountains, the formation of which is granite & not known to contain mineral. The balance of the Township is covered by land that may be called gently rolling. and is covered with a scattering growth of mesquite and Palo Verde timber. The rolling land is covered with nutritious grasses, and afford excellent pasture for numerous herds of horses and cattle. In the S.W. cor of the Tk there is

Exeterios T^o 16 S.R. 7. E. continued.

a small village or (Rancheria) of
 Papago Indians, who are engaged
 in raising horses and cattle.
 In the S.E. portion James
 Quilan and R.C. Wood are
 engaged in Stock Raising.

With water for irrigating a
 large portion of this T^o could
 be made to yield almost
 any kind of a crop. In the
 S.E. portion there are also some
 small springs of good water.
 but in the Summer months
 these get very low - This T^o
 should be subdivided.

George S. Roskrige
 U.S. Deputy Surveyor

Note

On the 25th Nov 1886 in answer to my letters and reports, of dates August 86 - September 20th 1886, and October 1st 1886. I received a letter from Hon John Hise - U. S. Surveyor General, enclosing copy of a communication from Wm^o A. J. Sparks, Hon Commr of the General Land Office, dated 13th October 1886 instructing me regarding resetting and remarking of corners of the Public Land Surveys from which I commenced and closed my lines in executing surveying

Contracts Nos 1 and 2 - where I should find such corners not in accordance with the surveying manual.

I did not received the Hon Commissioners letter until after I had completed the survey of the Townships in No 1 contract -

as I have to start and close upon the same standard lines in my Contract No 2 I will in accordance to the instructions in the letter of 13 Oct 1886. make the necessary corrections and describe them in my

field notes of Contract No
2.

If I had received the letter
within a reasonable time
from its date 13th Octor 1886.
I would have at once caried
out the instructions. but
as it took 42 days to reach
me it gave me no chance
but to leave the corners as
I found them.

George F. Rocking
U Deputy Surv.

For final oaths
See Book No. 15.

Preliminary Oaths of Assistants.

We William R. Logan
and Henry Meyer

do solemnly swear that we will well and faithfully execute the
duties of Chain Carriers; that we will level the chain over even
and uneven ground, and plumb the tally pins, either by sticking
or dropping the same; that we will report the true distance to
all notable objects, and the true length of all lines that we assist
in measuring, to the best of our skill and ability and in accord-
ance with instructions given us in the survey of the Exterior
and Subdivision lines of Tps 16
S. R's 7 8 9 & 10 E - Tps 17 S. R's 9 & 10
E - Tps 18 S. R's 8 & 9 E Tps 19 S. R's 8
9 and 10 E and Tps 20 S. R's 8 9
& 10 E G & S. R. M. Territory of Arizona.

W. R. Logan Chainman.

H. Meyer Chainman.

Subscribed and sworn to before me, this 9th

day of August 1886

W. P. Osburn
Notary Public.

We James F. Durcan and
George F. Kitt

do solemnly swear that we will well and truly perform the
duties of Aceman and Flagman

in the establishment of corners and other duties according to
instructions given us, and to the best of our skill and ability,
in the survey of the Exterior and Subdivision
Series of Tps 16 S. Rs 7. 8. 9 & 10 E.
Tps 17 S. Rs 9 and 10 E. Tps 18
S. Rs 8 & 9 E. Tps 19 S. Rs 8. 9 & 10
E and Tps 20 S. Rs 8. 9 & 10
E. G & S. R. M. Territory of Arizona.

J. F. Durcan,
George F. Kitt

Subscribed and sworn to before me this 9th
day of August 1886

W. Osburn
Notary Public.

OFFICE U. S. Surveyor General,
Tucson, Arizona, March 27, 1888.

The foregoing Field Notes of the Exterior Lines of:

Townships 16 South, Ranges 7, 8, 9 and 10 East
Townships 17 South, Ranges 9 and 10 East
Townships 18 South, Ranges 8 and 9 East,
Townships 19 South, Ranges 8, 9 and 10 East
Townships 20 South, Ranges 8, 9 and 10 East

Of the Gila and Salt River Base and Meridian, Arizona, executed by George J. Roskrue, U. S. Deputy Surveyor, under his contract of the 5th. day of March, 1886, having been critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

U. S. Surveyor General.