15-27

NORTH and WEST BOUNDARY.

Township Nº 12 S.   Range Nº 14 E.

1 MILE SOUTH   BOUNDARY
Township Nº17 S.   Range 23 E. PAGE 35

1 MILE NORTH   BOUNDARY.
Township Nº 20 S. Range Nº 7 E. PAGE 45

4-671

FIELD NOTES
GENERAL LAND OFFICE.

1527

Field Notes

of the survey of the

West and North Boundaries

of

Township No 14 South

Range no 14 East

of the

Gila and Salt River Base

and Meridian

in the

Territory of Arizona

as Surveyed by

Francis B Jacobs

U S Deputy Surveyor

under his contract No 81

Dated May 22 1901

Survey commenced December 26th 1901

Survey Completed December 29th 1901

Names and duties of Assistants

Harry R. Elwer Chainman

Everett L. Boulden Chainman

James L. Henderson Moundman

" " " Axeman

Jay Jacobs Flagman

I N D E X

BOOK 1527

31	32	33	34	35	36
21	23	26	28		
1	2	5	4	3	2	1

18

12 16 7

13 14 18

T. 12 S.

24 12 19

R. 14 E.

25 9 30

36 7 31

Survey commenced December 26th 1901 and executed with a Gurley light mountain transit with Burt Solar attachment.

The horizontal limb is provided with two double verniers placed opposite to each other. reading to single minutes of arc, which is also its least count of the latitude and declination arcs. -

The Instrument was examined, tested on the true meridian at Tucson found correct, and was approved by the Surveyor General for Arizona November 12th 1901

I examine the adjustments of the transit; then to test the Solar apparatus by comparing

4 M. and W. boundary

its indications resulting from
solar observations made during
a. m. and p. m. hours, with a
true meridian determined by
observation on Polaris. I proceed
as follows. -

At my camp at the center of
Sec. 7 - T. 12 S - R. 14 E. latitude
32° 23' 16"., longitude 110° 56'. 54" W.; I set off
32° - 23' N. on the Lat. arc; 23° 20' S.
on the decl. arc; and at 4^h ^{m}
p. m. L.m.t., determine with
the Solar a true meridian and
mark a point thereof, on a stone
firmly set in the ground 5.00
cho. n. of my station

at 12^h 58^m.7 a. m. L.m.t.
I observe Polaris at Western
elongation in accordance
with the Manual of

T 12 S — R 14 E.

Instructions and mark a point
in the line thus determined on
a plug driven in to ground. 5.00
chs n of my station

December 26th 1901

December 27th: at 8h 00 a. m.
l. m. t. I lay off the azimuth
of Polaris 1° 27' to the East,
and mark the true meridian thus
determined, by cutting a
small groove in the stone set
December 26th on which the true
meridian falls 0.3 in. east
of the mark determined by
the Solar

At 8h 5m a. m. l. m. t., I set
off 32° 23' on the lat. arc.
23° 18' S. on the decl. arc; and
mark a point in the true meridian

West boundary

determined with the Solar,
by a cross on the stone already
set 5.00 chs. N... of my Station
This marie falls 0.2 ins East of
the true Meridian established
by the polaris observation

The Solar apparatus by
P.M. and A.M. observations
defines positions for true
Meredians, respectively
about 0.16" West. and 0.18" East. of the
meridian established by the Polaris
observations therefore I conclude
that the adjustment of the
instrument are satisfactory

The Magnetic Bearing of the true
meridian at 8h 15m A.M. is
N 12° 58' W.; the angle thus determined
reduced by the table page 100 gives the
mean Mag. decl. 12° 57' E.

T 12 S - R 14 E

From the cor. of Tps. -
12 and 13 S - Rs. 13 -
and 14 E. recently
established by me and
described in my field
notes of the re Survey of
the S. bdy. of T12 S.
R. 14 E.

I run
North bet Secs 31 and 36
Over broken land
Ascend

36.00	Ridge bears N E. and S. W
	Descend
40.00	Set a Granite Stone 24x12x8 ins.

18 ins. in the ground for 1/4 Sec cor.
Marked 1/4 S on N face.

From which
a Paloverde 5 ins. in diam
bears S 72° E, 6 5 lks. dist.

8.   West   boundary of

 Marked ¼ S 31. B.T.
    a Paloverde 10 ins. in
 diam. bears S 11½° W 178 lks. dist.
 Marked ¼ S 36. B.T.

40.40 Gulch 40 lks. wide course S.W.
 Ascend

60.00 Ridge bears E. and W.
 Descend

67.50 Gulch 30 lks. wide course N.
 Ascend

80.00 set a Granite Stone 20 × 12 × 10 ins
 15 ins. in the ground for cor. of
 secs 25 – 30 – 31 and 36
 Marked with 1 notch on S.
 and 3 notches on N. edges
      From which
  a Paloverde 6 ins. in diam.
 bears N 79° E 14 lks. dist
 Marked T 12 S. R 14 E S 30 B.T.
    a Paloverde 10 ins. in diam.

T. 12 S. R. 14 E.

bears S. 59¼° E. 83 lks. dist.
Marked T 12 S - R 14 E. S 31 B.T.
   a Paloverde 8 ins. in diam.
bears S 52½° W. 83 lks. dist.
Marked T 12 S. R 13 E S 36 B.T.
   a Paloverde 8 ins. in diam,
bears N 24½° W. 93 lks. dist.
Marked T. 12 S - R. 13 E. S. 25 B.T.
Land mountainous
Soil 4th rate
Timber Paloverde and
mesquite.
Mountainous land and
covered with dense undergrowth
       80.00 chs,

North bet. Secs. 25 and 30
Over broken land
through undergrowth of
Paloverde and cacti

10   West boundary   of

	Ascend over W. end of
	Catalina Mountains
31.00	Wash 1 ch. wide course N 60° W.
34.00	Gulch 50 lks. wide course W.
38.00	Ascend very steep hill
	Ridge bears E and W. Descend
40.00	Set a Granite Stone 24 x 12 x 10 ins. 18 ins.
	in the ground for 1/4 Sec. cor.
	Marked 1/4 S on W face. and
	raise a mound of stone 2½ ft
	base 1½ ft high W. of cor.
	Pits impracticable
46.25	Gulch 40 lks. wide course W.
	Ascend
63.00	Ridge bears E. and W.
	Descend
67.50	Gulch 35 lks. wide course S. W
	Ascend
80.00	Set a Granite Stone 24 x 14 x 8 ins. 18 ins.
	in the ground for cor. of Secs.
	19. 24 - 25 and 30

T 12 S. - R 14 E

Marked with 2 notches on S.
and 4 notches on N. edges.
From which
a Paloverde 10 ins. in diam.
bears N 80° E 99 lks. dist.
Marked T. 12 S. - R 14 E S 19 B.T.
a Paloverde 6 ins. in diam.
bears S 50½ E. 71 lks. dist.
Marked T. 12 S. R 14 E S. 30 B.T.
a Paloverde 8 ins. in diam.
bears N 23½° W. 32 lks dist
Marked T. 12 S. - R. 13 E. S 24. B.T.
No other tree within limit
and raise a mound of stone 2½ ft
base 1½ ft. high N of cor.
Pits impracticable
Land Mountainous
Soil 4th rate
Timber Paloverde
Mountainous land 80.00 chs

12   West boundary   of

	North bet. Secs 19 and 24.
	Over broken land and through
	dense undergrowth
1.50	Descend
12.00	Gulch 20 lks. wide course N.
18.00	Ascend
29.00	Ridge bears E. and W.
40.00	Set a Granite Stone 24 × 12 × 6 ins. 18 ins.
	in the ground for 1/4 Sec. cor.
	Marked 1/4 S. on W face
	From which
	A Paloverde 18 ins. in diam
	bears N 32 1/4° E 196 lks dist.
	Marked 1/4 S. 19 B.T.
	A Paloverde 10 ins. in diam
	bears S. 71° W. 296 lks. dist.
	Marked 1/4 S. 24 B.T.
41.30	Gulch 30 lks. wide course N
78.70	Gulch 20 lks wide course N 70° W
80.00	Set a Granite Stone 20 × 12 × 8 ins 15 ins.

T. 12 S. — R. 14 E.

in the ground for cor. of secs
13 - 18 - 19 and 24
Marked with 3 notches on N. and S.
edges — From which

A Paloverde 6 ins. in diam.
bears N 84 3/4° E 84 lks. dist.
Marked T 12 S. - R 14 E S 18 B.T.

A Paloverde 8 ins. in diam.
bears S. 23 1/2° E. 191 lks. dist.
Marked T 12 S. R 14 E S 19 B.T.

A Paloverde 10 ins. in diam.
bears S 49 1/4° W 196 lks. dist.
Marked T 12 S. - R 13 E S 24 B.T.

A Paloverde 8 ins. in diam.
bears N 18 1/4° W. 22 lks. dist.
Marked T. 12 S. - R 13 E S 13 B.T.

Land Mountainous.
Soil 4 th and 3 d rate
Timber Paloverde

Mountainous and heavily timbered land 8 o. chs

14	West boundary

North bet. Secs 13. and 18.
Over broken land
through Paloverde Timber

27.	00	Descend
39.	00	Enter Wosh course N.E.
40.	00	Set a Granite Stone 18 × 12 × 8 ins. 12 ins.

in the ground for 1/4 Sec. cor.
Marked 1/4 S on W. face
From Which

A Paloverde 4 ins. in diam.
bears N 36 1/2 E. 42 lks. dist.
Marked 1/4 S. 13 B.T.

A Mesquite 10 ins in diam.
bears S 7 1/4 W. 40 lks. dist.
Marked 1/4 S 18 B.T.

41.	00	Leave Wosh course N 15° W.
		Ascend
61.	00	Ridge bears E. and W.
		Descend
66.		Enter Canado Del Oro Bottom

T. 12 S. — R. 14 E.   15

77.80 Road Tucson — Mammoth
       bears N.E. and S. W.

80.00 Set a Granite Stone 18 × 12 × 8 ins. 12 ins.
   in the ground for cor of secs
      7 — 12 — 13 and 18
   Marked with 4 notches on S.
   and 2 notches on N edges.
      From which
A Mesquite 8 ins. in diam.
bears N. 60½° E. 251 lks. dist.
Marked T 12 S — R 14 E S 7 B.T.
  A Mesquite 10 ins. in diam.
bears S. 58 E. 242 lks. dist
Marked T 12 S. — R 14 E S 18 B.T.
  A Ironwood 10 ins. in diam.
bears S. 78¼° W. 184 lks. dist.
Marked T 12 S. — R 13 E S 13 B.T.
  A Mesquite 12 ins. in diam.
bears N. 35½° W. 357 lks. dist.
Marked T 12 S — R 13 E S 12 B.T.

West boundary of

Land broken

Soil 3rd rate

Timber Paloverde and Mesquite

Mountainous land and covered

with dense undergrowth

       80.00 chs. —

North bet. Secs 7 and 12

across Canada Deloro Bottom

Through dense undergrowth

of Mesquite Paloverde and Cats claw

32.00   Canada Deloro Wash 1. ch. wide

      course S. W.

40.00   Set a Granite Stone 16×12×8 ins. 11 ins.

in the ground for 1/4 sec. cor.

Marked 1/45 on W. face

      From which

a Paloverde 12 ins in diam

bears S. 7° E 84 lks. dist.

Marked 1/45. 7   B.T.

A Mesquite 12 ins. in diam,
bears N 18½° W. 251 lks. dist.
Marked ¼ S 12 - B.T.

42. 01 Leave bottom bears N.E. and S.W.
Ascend

48. 00 Ridge bears S. E. and N. W.
Descend

56. 00 Enter Wash course S. E.

80. 00 Set a Granite Stone 16 × 10 × 8 ins. 11 ins.
in the ground for cor. of Secs
1 - 6 - 7 and 12.
Marked with 5 notches on S. and
1 notch on N edges
        From which
A Paloverde 5 ins. in diam.
bears N. 67½° W. 84 lks. dist.
Marked T 12 S - R 13 E S 1 - B.T.
No other trees within limit
Dug pits 24 × 24 × 12 ins in
each Sec. 5½ ft dist.

18   West boundary of

and raise Mound of Earth
5 ft. base 2 ft high N of cor
Land level and broken
Soil 1st and 3d rate
Timber Paloverde and mesquite
Dense underbrush of mesquite
Paloverde cats claw and numerous
cacti.   80 = chs,

North bet. Secs. 1 and 6
over hilly land
through dense undergrowth
Ascend
40,00   Set a Granite Boulder 16 x 10 x 8 ins
11 ins. in the ground for ¼ Sec cor.
Marked ¼ S on W. face
From which
A Mesquite 12 ins. in diam.
bears S 21½° W. 82 chs. dist.
No other tree within limit

Dig pits 24 x 24 x 12 ins. N and S
of Stone 3 ft dist. and raise a
mound of earth 3½ ft base 1½ ft
high W. of cor.

61. 00   Road bears S. E and N. W.

79. 00   Descend

80. 00   Set a Granite Stone 20 x 12 x 10 ins. 15 ins.
in the ground for cor. of Tps.
11 and 12 S. — R 13 and 14 E
marked with 6 notches on
each edge.   From which

a Mesquite 10 ins. in diam.
bears N 58¼° E 173 lks dist
Marked T 11 S. — R 14 E S 31 B.T.

a Paloverde 5 ins. in diam.
bears N 22¾° W 87 lks. dist
Marked T 11 S. — R 13 · E S 36 B.T.

No other trees within limit
Dig pits 24 x 24 x 12 ins.
E. W. and N. of cor 3½ ft

dist and S of cor 7 ft.
dist and raise a mound
of Earth 5 ft base 2 ft high
S. of cor.
Land hilly
Soil 3ᵈ rate
Timber mesquite and Paloverde
Dense under brush of
Paloverde. Catsclaw. Mesquite
and cacti 80 ⌐chs
December 28ᵗʰ 1901

Note.
It is apparent that the
N. bdy. cannot be run
the entire six miles owing
to the nearness of the Catalina
Mountains. Therefore I
run East on a true line

N. boundary of T. 12 S. – R. 14 E.   21

December 7th. At the Cor of Tps 11 and 12
S. – Rs 13 and 14 E. vicinity
established by me
I set off 32° 24' on the
lat. arc; 23° 12' S on the
decl. arc. and at 7.40 am.
l.m.t. determine with the
Solar a true Meridian
and run thence
<u>East</u> on a true line bet.
Secs 6 and 31. —
Over broken land
Through dense undergrowth
Descend

7.50	Gulch 25 lks. wide. Course S. E.
10.00	Wash 30 lks. wide course S.20°E.
	Ascend
21.00	Ridge bear S. E. and N. W.
	Descend.
30.00	Tucson – Mammoth Road

22 North boundary of

bears N. and S.

31. 50	Descend more abrupt
39. 54	Allowing 46 lks. for Convergency

I set a Granite Stone 16×14×10 ins. 11 ins.
in the Ground for 1/4 Sec. cor.
Marked 1/4 S on N. face

Dug pits 24×24×12 ins. E and W
of cor. 3 ft. dist. and raise a
mound of earth 4 ft. base 1½ ft
high N. of cor.

52. 50	Canada Del Oro Wash 1 ch

wide course S. E

54. 60	Leave Canada Del Oro Wash

Thence across level bottom

79. 54	Set Granite Stone 18×10×6 ins 12 ins.

in the ground for cor of sec
5 - 6 - 31 and 32
Marked with 1 notch on W
and 5 notches on E edges
From which

T. 14 S. - R. 20 E.

A Mesquite 8 ins. in diam.
bears S 29¼° W 210 lks. dist.
Marked T 12 S. - R 14 E S 6. B.T.
   A Mesquite 10 ins. in diam.
bears N 9¼° W 103 lks. dist.
Marked T. 11 S. - R 14 E S 31 B.T.
   No other trees within limit
Dig pits 24 x 24 x 12 ins. in
each Sec. 5½ ft dist. and
raise a mound of earth 5 ft.
base 2 ft. high N. of cor.
Sand broken and level
Soil 2⁴ and 3⁴ rate.
Timber Mesquite and Ironwood
Land covered with dense undergrowth
     79.54 chs.

_____

East bet Secs. 5 and 32
Over Level and hilly land
Through Dense undergrowth

24   North boundary of

                   of Mesquite and Catsclaw
27 00   Roads bear N and S.
29. 00   Leave bottom bear N and S.
          Ascend
35-15   Telephone line bear N and S.
40 - 00   Set a Granite Stone 16x10x6ins. 11ins.
          in the ground for 1/4 Sec. Cor
          marked 1/4 S. on N face
                From which

          a mesquite 8 ins. in diam,
          bear N 74° W 74 Lks. dist,
          marked 1/4 S. 32. B.T. and
          no other trees within limit
          raise a mound of stone 7 1/2 ft fr
          1 1/2 ft. high N of cor.
                   Pits impracticable
48.40   Ridge bear N and S.
          Descend
60. 00   Gulch 50 Lks. wide Cours S 70 E.
61. 50   Wire fence bear N and S,
          Ascend

T. 12 S. — R. 14 E.

63.00	Ridge bears N. and S.
	Descend
66-00	Gulch 75 lks. wide course South
	Ascend
69.25	Ridge bears S.E. and N.W.
	Descend
72-00	Enter bottom and dense
	mesquite bears N. and S.
80.00	Set a Granite stone 16 x 8 x 6 ins. 11 ins.
	in the ground for cor of secs
	4 - 5 - 3 2 and 33.

Marked with 4 notches on E

and 2 notches on W. edges.

From which

An Ironwood 14 ins. in diam.

bears N 27¼ E. 176 lks. dist.

Marked T 11 S — R 14 E S 33. B.T.

An Ironwood 8 ins. in diam.

bears S 13¾° E 120 lks. dist

Marked T. 12 S — R. 14 E S. 4 B.T.

North boundary of

A Willow 8 ins, in diam,
bears S. 29½ W 132 lks. dist.
Marked T 12 S - R 14 E. S 5 B.T.
An Ironwood 12 ins, in diam,
bears N 78¼ W 129 lks dist.
Marked T 11 S - R 14 E S 32 B.T.
Land level and hilly
Soil 2d and 3d rate
Timber Mesquite, Ironwood
Paloverde and Willow
Mountainous Land and
covered with heavy timber
                    80 00 chs.

_____

East bet Secs 4 and 33
Through heavy mesquite
Timber
21-55 Wire fence bears N 15° E and S 15° W
25-75 Road bears N. and S.
40.00 Set a Granite Stone 18 x 12 x 8 ins. 12 ins

T 12 S. — R. 14 E

in the ground for 1/4 Sec. Cor,
Marked 1/4 S on N face
     From which
a Mesquite 10 ins. in diam.
bears S 42 1/4 E 113 lks. dist,
Marked 1/4 S 4. B.T.

75.00   Enter dry Sand wash cours. S.W.
80.00   Set a Granite Stone 20 x 12 x 10 ins, 15 ins.
in the ground for cor. of Secs
    3 - 4 - 33 and 34,
Marked with 3 notches on E. & W. edges
From which
   a Mesquite 4 ins. in diam,
bears N 5 1/4° E 4 5 lks. dist
Marked T 11 S. — R 14 E S, S 34 B.T.
    a Mesquite 10 ins. in diam.
bears S 50 1/2° W 100 lks. dist,
Marked T. 12 S.— R 14 E. S. 4 B.T.
No other trees within limit
Dig pits 31 x 31 x 12 ins

28 North Boundary

in each Sec, 5½ ft dist.
and raise a mound of
earth 5 ft base 2 ft high
N. of cor
Sand Level
Soil 1st and 2nd rate
Timber Mesquite. Ironwood
Willow and some Cottonwood
Heavily timbered land and
covered with dense
undergrowth 80.00 chs

─────────────────

East bet. Secs 3. and 34.
Through Mesquite timber
7.00 Leave Wash course N.
Ascend steep rocky hill
35.00 North end of Granite ledge
bears S.
Descend
40.00 Set a Granite Stone 18×14×12 ins

12 ins in the ground for 1/4 Sec. cor.
marked 1/4 S. on N. face

and raise a Mound of stone
3 ft. base 2 ft high N of cor.

Pits impracticable

42 - 00   Gulch 20 Lks. wide course South

Ascend

53. 00   Granite Ridge bears S. E. and N. W.

Descend

68   Ascend N. Slope of Catolina
Mountain very steep and rocky

80. 00   Set a Granite Stone 24 x 12 x 10 ins 18 ins.
in the ground for cor. of Secs.

2 - 3 - 34 and 35 -   .

Marked with 2 notches on E.
and 4 notches on W. edges

and raise a Mound of
stone 3½ ft base 2 ft. high
N of cor.

Pits impracticable

30

North Boundary of

Land mountainous
Soil 4th rate
timber Mesquite and Paloverde
Mountainous land 8000chs
December 29th 1901

The mountain becomes
very steep and rough and
it is impracticable and
unnecessary to carry the line
further. —

General Description
The boundaries of this T̄.
are very mountainous in the
S - S. W. and N. E.
while the N. W. is hilly.
the land traversed is
dry and covered with
various thorn bushes and
the cacti are very thick and
thorny. —

                    Francis B Jacobs
                    U. S. Deputy Surveyor

Field Notes

of the survey of

One Mile of the South Boundary

of

Township No. South

Range No. East

of the

Gila and Salt River

Base and Meridian

in the

Territory of Arizona

as surveyed by

Francis B. Jacobs

U.S. deputy Surveyor

under his Contract No 81

Dated May 22d 1901

Survey Commenced February 14th 1902

Survey Completed February 14th 1902

BOOK 1527

Names and duties of Assistants

1. Mile of S. boundary of Tp 17 S. R. 73 E.

Survey commenced
February 14th 1902 and
executed with the Gurley
transit described on page
3 of this book

At the cor. of Tps. 17 - 18
S. — Rs. 23 - 24 E. which
is a granite stone 8 x 10 x 10 ins. above
ground firmly set and
marked with 6 notches on each
edge with mound of stone 3 ft.
base 1½ ft high North of cor.
I set off 31° 54′ on the
lat. arc; 15° - 09′ S on
the decl. arc. and at 9:00ʰ ᵐ
a. m. l. m. t. determine
with the Solar a true
Meridian.

1. Mile of S. Boundary of

and run thence
West on a true line
bet. Secs 1 and 36
Over mountainous land
Ascend steep mountain

1	.20	Top of ridge bears N. and S.
		Descend
7 - 15		Gulch 20 lks. wide course S.
		Ascend
14.00		Ridge bears N. and S.
		Descend
21.00		Bottom of descent
		Ascend
26.40		Top of high ridge bears N. and S
		Descend into Middle
		March Cañon. —
40.00		Set a Granite Stone 18x12x6in. 12 ins
		in the ground for 1/4 Sec. cor.
		Marked 1/4 S. on N face
		From which

T. 17 S. — R. 23 E.

An Oak 5 ins. in diam.
bears N 39° E 6 lks. dist
marked ¼ S 36 — B.T.

An Oak 8 ins. in diam.
bears S 3½° E. 23 lks. dist
marked ¼ S 1 B.T.

44.20 Bottom of middle march
cañon 50 lks. wide course N
Ascend

66.50 High ridge at north end
bears South
Descend

71.40 Gulch 35 lks. wide course N. E.
Ascend

78.60 Ridge bears N. and S.
Descend

80.00 Set a Granite Stone 24 x 18 x 6 in. 18 ins.
in the ground for cor. of Secs.
1 — 2 — 35 and 36
marked with 1 notch on E. and

1 mile of S. boundary of

5 notches on W. edges

From which

an Oak 5 ins. in diam.
bears N 73½° E 116 lks. dist.
Marked T. 17 S. - R. 73 E. S 36 - BT.

a Pine 12 ins. in diam.
bears S 3¼° E 150 lks. dist.
Marked T 18 S. - R 23 E. S 1 - BT.

an Oak 10 ins. in diam.
bears S 8½° N. 258 lks. dist.
Marked T 18 S. - R 23 E S. 2 BT.

a Pine 8 ins. in diam.
bears N. lef. ¾° N. 152 lks. dist.
Marked T 17 S. - R 23 E S 35 BT.

Land Mountainous

Soil of the rate

Timber Oak. Juniper and
Pine

Mountainous land 80.00 lks

February 14 - 1902

T. 17 S. – R. 23 E.

The land to the west of
this cor. goes into the
high Dragoon mountains
and is impracticable to
survey.

Francis B Jacobs
U.S. Deputy Surveyor

Field Notes

of the Survey of

One Mile of the South Boundary
of
Townships No. 20 South
Range No. 7 East
of the
Gila and Salt River
Base and Meridian

in the
Territory of Arizona
as Surveyed by

Francis B. Jacobs
U.S. Deputy Surveyor
under his contract No 81
Dated May 22d 1901

Survey Commenced March 15th 1902
Survey Completed March 15th 1902

Names and duties of Assistants

1 Mile of N. bdy. of T. 20 S. – R. 7 E. 45

Survey commenced
March 15th 1902
and executed with the
Gurley Solar transit.
Notes of the establishing
of a true meridian by
observation on Polaris
and the adjusting of the
transit will be found
in the book containing
the field notes of the
subdivision lines hereof. —

At the cor. of Tps. 19 and 20
S. – R.S. 7 and 8. E.
which is a Porphyry stone
10 x 10 x 8 ins. above ground
firmly set marked with
6 notches on each edge.
There is no mound or

46   1 mile of N. boundary of

bearing tree as described
by the Surveyor General.
At 3ʰ 00ᵐ P.m.t. I set off
31.°43′ on the hor. arc;
2°13′ S. on the decl. arc: and
determine with the Solar
a true meridian
and run Thence
<u>West</u> on a true line
bet. Secs 1 and 36.
Over mountainous land
Ascend steep rocky hill

11. 50   Top of S. E. slope of Porphyry
         ridge bears N. W.

22. 00   Descend
         House & well bears 20 chs South
26. 05   Wire fence (Sturges') bears S. E. and N. W.
76. 90   Gulch 40 Links course S. E.
34. 80   Gulch 30 L. wide course S. 60° E.
         Ascend
38. 53   Wire fence (Sturges') bears N. 3° E. and S. 3° W.

T 20 S. - R. 7 E.

39.00	Descend
ʄ 0. 00	Set a granite stone 18×12×6 ins. 12 ins.
	in the ground for ¼ sec. cor
	Marked ¼ S. on N. Side
	From which
	A Mesquite 4 ins. in diam.
	bears N. 73¼° E. 158 lks. dist.
	Marked ¼ S 36 - B.T.
	A Mesquite 6 ins. in diam.
	bears S. 48° E. 51 lks. dist.
	Marked ¼ S. 1 - B.T.
40.05	Gulch 15 lks. wide Course S. E.
	Ascend
43.00	Ascend steep mountain
53...	Ridge slopes S. E.
56.0.	Descend
65.80	Gulch 40 lks wide course S. —
	Ascend
70.40	Ridge slopes S.
	Descend

48

1 mile of N. boundary of

76.50 Center Gulch 20 Sts. wide cours S.E

77.40 Scott Gulch 20 Sts. wide cours S.E.

Ascend

80-00 Set a Granite Stone 24 x 12 x 8 ins. 18 ins.
in the ground for cor. of Secs.
1 — 2 — 35 and 36
marked with 1 notch on E.
and 5 notches on W. edges
and raise a mound of
stone 3½ ft base 2 ft high N of cor.
            Pits impracticable
Land Mountainous
Soil 4th rate
Timber scattering Mesquite
Mountainous land 80,00 chs.
        March 15th 1902

The land west of this cor. goes
into the high rugged
Baboquivara Mountains

T 20 S — R 7 E

and is impracticable to
Survey

Francis B. Jacobs
U.S. Deputy Surveyor

APPROVAL.

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

Dec. 10. 1909

The foregoing field notes of the survey of *Exte. of Tp. 12 S. R. 14 E., Tp. 17 S. R. 23 E., & Tp. 20 S. R. 7 E,* _ _ _ _ _ _ executed by *F. B. Jacobs, D. S.* _ _ _ under his contract No. *8L* _ _ dated _ _ *May 23* _ 190*1*, having critically examined and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Hugh H. Price

U.S. Sur. Gen. for Arizona.