

1506

1506

BOOK 1506

F I E L D N O T E S

O F T H E S U R V E Y O F T H E

E. Bdy. of T. 16 S., R. 8 E.,
and the Exteriors of T. 17 S.,
R. 8 E.

Gila and Salt River Base and
Meridian,

ARIZONA.

By John C. Smith, D.S., under
Contract dated Oct. 14, 1884.
Survey commenced Nov. 10, 1884.
Survey completed Nov. 14, 1884.

BOOK 1506

J. 16 S. R. 8 E.

12

124

186

247

259

361

	65	63	62	60	58	56	
526	6	5	4	3	2		114
807							1216
4818							1819
	D. 17 S. R. 8 E.						
4719							2421
4530							2528
4321	32	33	34	35			3627
37	37	38	34	32			29

Preliminary Oaths of Assistants.

We Frank Hardy
and Thomas Wayboarn

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 sacking
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 East

Boundary of T^h. 16 S. R. S^c.
and the Territories of T^h. 17 S. R. S^c.
Gila and Salt River Basins
and Mescalier

Territory of Arizona.

Frank J. Hardy Chainman.
Thomas Wayboarn Chainman.

Subscribed and sworn to before me, this 10th

day of Nov 1884

J. B. McLaughlin
Notary Public.

We Charles S. Lundy and
Nevoy Ransom

do solemnly swear that we will well and truly perform the
duties of Assessors

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 East Boundary of Twp.
16 S. R. 8 E. and the Extensions
of Twp. 17 S. R. 8 E. Gila and
Salt River meridians

Territory of Arizona.

Charles S. Lundy
Nevoy Ransom

Subscribed and sworn to before me this 10th

day of Nov 1884

J. B. McLanahan
Notary Public.



I do solemnly swear that I
will well and truly perform the duties of *Flagman*
according to instructions given *me* and to the best of *my*
skill and ability.

Charles Embree

Sworn to and subscribed before me this *10th*
day of *Nov* 188*4*

J. B. McLaughlin
Notary Public

do solemnly swear that
will well and truly perform the duties of
according to instructions given and to the best of
skill and ability.

Sworn to and subscribed before me this
day of 188

The instrument I used in making this survey was a Solar Transit - made by W. and L. E. Gurley of Troy N. Y. and was carefully adjusted and put in first rate order before commencing the survey

Survey commenced Nov. 10th 1884
Survey completed Nov 14th 1884

East Boundary of Tps. 16 S.
 Chain

From the Standard Cor.
 to Tps. 15 and 16 S. R. 8
 and 9 E which is a malpais
 rock 10x6 ins. * (a mesquite wood in chain
 dist. N. 240 24, 25-1/2, dist.
 marked N. 101. R. 8 E. S. 84 25
 firmly set in the ground
 marked S.E. with 6 notches on
 N. E. and W. edge and
 a mound of stone
 alongside. I run
 West on a true line
 and at 18.20 Chain

Set a malpais rock
 18x14x6 ins. 12 ins. in
 the ground for closing
 Cor. to Tps. 16 S. R. 8
 and 9 E. marked C.C.
 with 6 notches on S. E.
 and W. edge and

R. S. E. J. S. R. M.

Chains

raised a mound of
stone alongside. Pits
impracticable.

Thence I
run South on a
true line bet. Sec. 1 and
6 Tps. 16 S. Co. 8 and 9 E.

Through dense mesquite
greasewood and catclaw
brush

Var. $12^{\circ} 30' E.$

12.00 Dry wash 60 lbs wide Cor. N. E.

40.00 Set a malpais rock
12 x 10 x 8 ins. 8 ins. in
the ground for "4
Sec. Cor. marked
"4 on N. face and
raised a mound

East Boundary of Twp. 16 S.
 Chain

53.74

of stone alongside
 Pits impracticable
 Ascend gradually
 Dry wash 40 lbs. wide
 Co. S.E.

70.00

Enter rough country

80.00

Set a Malpais rock
 15x12x9 ins 10 ins. in
 the ground for Cor.
 to Sec. 16, 7 + 12 marked
 with 5 notches on S.
 and 1 notch on N. edge
 and raised a
 mound of stone
 alongside. Pits imprac-
 ticable

Surplus broken
 Soil 3rd. rate

R. S. C. J. & S. R. M.
Chains

Dense cactus clow. mesquite
and Palo Verde brush

South bet. Dec. 7 and 12
Var. $12^{\circ} 30' E$.

18.00 Over rough country
Leave rough country
Enter valley bet. E. and W.

40.00 Set a Quartz rock
 $18 \times 6 \times 5$ ins. 12 ins. in the
ground for "4" S. Cor.
marked "4" on W. face
and raised a mound
of stone alongside.
Pit impracticable

54.10 Telegraph line from
Fulson to Quijota
bet. E. and W.

East Boundary of Sp. 16 S
Chavis

78.90

Road from Tucson to
Luzon to S. and St.

80.00

Set a granite rock
 14x10x8 ins 9 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 and raised a
 mound of stone
 alongside. *Peri impracticable*
 Surface broken and level
 Done Brush first 18 Chs.
 Remainder scattering
 Soil 2nd rate

R. S. E. J. & S. R. M.
 Chain

South bet. Secs. 13 and 18
 Tn. $12^{\circ}30' E.$

- Over level surface
- 3900 Dry wash 80 lbs. wide
 Cor. N. $80^{\circ} E.$
- 4000 Set a Porphyry rock
 $12 \times 12 \times 6$ ins 8 ins in
 the ground for "4
 See Cor. marked "4
 on N. face and raised
 a mound of stone
 alongside. Pits impracticable
- 4980 Dry wash 30 lbs. wide Cor. N. E.
- 5000 Set a granite rock 16×8
 $\times 6$ ins 11 ins in the
 ground for Cor. to See
 $10, 18, 19$ and 24 marked
 with 3 notches on S. and N.

East Boundary of Twp. 16 S.
Chambers

edges and raised a
mound of stone along side
Pike impracticable
Surface level
Soil first rate
Good grazing
No timber

South vet. Sec. 19 and 24
Var. 12030'E.

.80 Dry wash 20 lbs wide
at N.E.

40.00 Set a granite rock
16x8x8 ins. 11 ins. in
the ground for "4" Sec.
Cor marked "4" on
N. face and raised
a mound of

R. S. C. J. & S. R. M.
 Chain

stone alongside.

Pit impracticable

63.00

Dry wash 60 lbs. wide
 lev. S. E.

80.00

Set a granite rock
 18x12x8 ins. 12 ins in
 the ground for lev.
 to Secs. 19, 24, 25 and 30
 marked with 2 notches
 on S. and 4 notches
 on N. edges and
 raised a mound of
 stone alongside.

Pit impracticable

Surface level

Soil end note

Good grazing

Scattered brush

East: Boundary of Sp. 16 S.
Chaus

South pt. Secs. 25 and 30
 Va. $12^{\circ}30' E.$

23.00

Foot of mountain tr.
 E. and N. ascend at an
 angle of 22°

40.00

I make the correct
 allowance and set a
 granite rock $24 \times 18 \times 8$ ins
 18 ins. in the ground
 for "4" S. cor. marked
 "4" on N. face. and
 raised a mound
 of stone alongside
 Pile impracticable

73.00

Top of mountain tr.
 E. and N. and descend
 at an angle of 23°

80.00

I make the correct.

R. T. J. and S. R. W.
 Chain

allowance and set a
 granite $18 \times 14 \times 8$ ins 12
 ins. in the ground
 for Sec. to Sec. 25, 30.
 31 and 36 marked with
 1 notch on S. and 5
 notches on N. edges.
 and raised a
 mound of stone
 alongside.

Pit impracticable
 W. Saguerro to S. 45° W.
 2 hrs. dist.

Surface mountainous
 57 chains rolling 20 chains
 Soil worthless
 Scattering mesquite brush

East Boundary of Twp. 16 S.
Chains

South bet Secs. 31 and 36
Va. $120^{\circ} 30' E.$

Descending at an angle of
 24°

19.20 Foot of mountain Frs.
E. and N.

2000 Dry mark 30 lbs. inside
Co. E. and ascend at
an angle of 28°

34.20 Top of mt. frs. E & N.
and descend at an
angle of 31°

4000 I make the correct
allowance and set
a granite $18 \times 8 \times 7$ ins.
12 ins. in the ground
for "4 Sec. bet. marked
"4 on N. face. and

R. & E. J. & S. R. W.
 Chains

raised a mound of
 stone alongside.

Pit's impracticable

8000

I make the correct
 allowance and set a
 granite stake 18x8x8 ins.
 12 ins. in the ground
 for cen. to Apr. 16 57
 S. Co. 8 and 9 E. marked
 with 6 notches on each
 edge and raised
 a mound of stone
 alongside.

Pit's impracticable

Surface mountainous

Soil 4th rate

No timber; no grass.

Scattering mesquite brush

East Boundary of Sp.
Chains

I carefully examined
the adjustments of
my Solar Transit Ho-
day particularly
the latitude and
reversing apparatus
and I found them
correct.

November, 10th 1854

17 S. R. 10. J. & R. W.
Chains

From the Cor. to Tpo. 16
and 17 S. R. 5 and 9
E. just established
I ran South 1st,
Sec. 1 and 6

Var. $12^{\circ}00' E.$

Descend at an angle of
 28°

3.00

Dry wash 200ks. wide
W. E. at foot of mountain
Enter valley and scattering
mesquite timber

9.00

Dry wash 400ks wide W.
N. E.

4.000

I make the correct
allowance and set a
granite rock $16 \times 6 \times 6$ ins
11 ins. in the ground

East Boundary of Tr. 17 S
 Harris

- 4000 Set a post 3 ft. long
 4 ins. sq. with marked
 stone 12 ins. in the
 ground for "4 S.
 Cor. marked "4 S.
 on N. face Aug
 Feb 18 x 18 x 12
 ins. N. and S. of
 post 5 1/2 ft. dist
 and raised a
 mound of earth
 1 1/2 ft. high 3 1/2
 ft. base around
 post.
- 8000 Set a post 4 ft.
 long 4 ins. sq. with
 marked stone 12 ins
 in the ground for

R. 10. 9:15 A.M.

Chains

Cor. to Sec. 7, 12, 13 and 18
marked T, 17 S. S. 7 on N.E.
R. 9 E, 18 on S.E. R. 8 E.

S. 10 on N.W. and S.
12 on N.W. corners
with 4 notches on S.
and 2 notches on N. 10
dug pits 18x18x12 ins.
in each Sec. 5 1/2 ft.
dirt. and raised a
mound of earth 2 ft.
high 4 1/2 ft base
around post.

Surface level
Soil 1st rate

Good grass
Scatterfing mesquite and
Palo Verde.

East Boundary of Tpi. 17 S
 Chain

South bet. Secs. 13 and 18

Var. $12^{\circ} 30' E$.

- 6.00 Dry wash 20 lbs wide to $N 80^{\circ} E$
 25.00 Dry wash 15 lbs wide to E .
 30.20 Dry wash 20 lbs wide to NE .
 40.00 Set a post 2 ft. long
 3 ins. sq. with marked
 stone 12 ins. in the
 ground for "4 Sec.
 Cor. marked "4
 on N. 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.

E & E. J. and S. R. M.
Chairs

51.20 Dry wash 40 lbs wide lee. E.
 80.00 Set a post 4 ft. long
 4 ins. sq. with marked
 stow 12 ins. in the
 ground for 6 or 7 to S 25
 13, 18, 19 and 24 marked
 S. 17 & S. 18 on N.E. R. 9 E.
 S. 19 on S.E. R. 8 E. S. 24
 on S.W. and S. 13 on N.W.
 face, with 3 notches on
 N. and S. edges. dug
 pits 15 x 18 x 12 ins. in
 each at 5 1/2 ft. dist

East Boundary of T^p. 17 S.
Chains

and raised a mound
of earth 2 ft. high
4 1/2 ft. base around
post.

Surface level
Soil 1st rate
Good grass
Scattering mesquite and
Palo Verde brush

South vet. Sec. 19 and 24
Va. 120 30' E.

4000 Set a post 2 ft. long
3 ins. sq. with marked
stone 12 ins. in the
ground for 1/4 Sec.
Cor. marked 1/4 S.
on N. face dug

R. 8 E J. 5 S. R. 20 W.

Chairs

posts 18x18x12 ins. N. & S.
of post 5 1/2 ft. dist.
and raised a mound
of earth 1 1/2 ft. high
3 1/2 ft. base around
post.

8000

Set a post 4 ft.
long 4 ins. sq.
with marked stone
12 ins. in the ground
for Cor. to Sec.
1924. 25 and 30 marked
T. 17 S. S. 19 on N. E. R. 9 E.
S. 20 on S. E. R. 8 E. S. 25
on S. W. and S. 24 on
N. W. faces. with
2 notches on S. and
4 notches on N. edge

East Boundary of Sp. 17 S
Chain

dry pits 18x18x12 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
around post

Surface level
Soil 1st rate

Good grass

Scattering mesquite and
Palo Verde Brush

South bet. Secs. 25 and 30
Ta. 12 $^{\circ}$ 30' E.

18.30

Dry wash 20th wide
Sec. C.

40.00

Set a post 2 ft. long
3 ins. sq with mark

P. S. E. J. and S. R. W.
 Chavis

stone 12 ins. in the
 ground for "4" Sec.
 Cor. marked "4" S.
 on N. face. dug pits
 18 x 18 x 12 ins. S. & S.
 of post 5 1/2 ft. dist
 and raised a
 mound of earth 1 1/2 ft.
 high 5 1/2 ft. base
 around post

50.60 Dry wash 200 yds wide NW E.
 enter dense mesquite brush

East Boundary of T₁₇ S.
Chavis

77.80
80.00

Dry wash 20 lbs. with 60 ft. St.
Set a post 4 ft. long
4 ins. sq. with marked
stems 24 ins. in the
ground for loc. to
Loc 25. 00. 01 000 marked
T. 17 S. R. 30 on N.E. R. 9 E.
S. 01 on S.E. R. 8 E. S. 06
on S.W. and S. 25 on
S.W. faces with 7
notches on S. and 5
notches on N. edges,
from which a
meagrite 12 ins. in diam,
br. N. 88° E. 41 lbs. dist.
marked T. 17 S. R. 9 E. S.
30 B. 5.
A meagrite tree 4 ins. in

R. & C. J. + S. R. M.
Chains

chain. to. S. 43° E. 56 lks
dist. marked T. 17 S.
R. 9 E. S. 31 B. T.

A maguit 8 ins. in chain.
to. S. 38° N. 164 lks dist.
marked T. 17 S. R. 8 E. S.
36 B. T.

A maguit 6 ins. in chain.
to. N. 78° W. 50 lks dist.
marked T. 17 S. R. 8 E. S.
25 B. T.

Surface level

Soil 1st rate

good grass

Dense brush 2940 chains

Scattering brush 50.60 chains

East Boundary of Sp. 17 S.
Chains

South 4th Sec. 31 and 36

Ta. 12° 00' E.

- 94 Dry wash 20 lbs wide W. S. E.
40.00 Set a post 5 ft. long
3 in. sq. with marked
line 12 in. in the
ground for "4 S.
"E. marked "4 S. on
N. face. dug pits
18 x 18 x 12 in. N. & S. of
post 3 1/2 ft. dist.
and raised a
mound of earth
1 1/2 ft. high 3 1/2 ft.
ball around post
- 49.46 Dry wash 30 lbs. wide
W. E. Leave dense brush

R. S. E. J. & A. R. M.
 Davis

80.00

Set a post 4 ft. long
 4 in. sq. with marked
 stakes 12 ins. in the ground
 for Cor. to Sp. 17 & 18
 S. R. S. 8 and 9 E. marked
 T. 17 S. S. 31 on N. E. R. 9 E.
 S. 6 on S. E. T. 18 S. S. 1
 on S. 7. ³/₄ R. 8 E. S. 26 on
 N. 7. ³/₄ S. with 6
 notches on each edge
 dug pits 24 X 18 X 12 ins.
 lengthwise on each
 line N. E. S. and N. of
 post 6 ft. dist. and
 raised a mound
 of earth 2 ¹/₂ ft. high
 5 ft. from around post
 surface level

S. Boundary of Tps. 17 S.
 Chain

Soil 1st rate

Good grass

Scattered mesquite brush 30.54 Chs.
 Dense mesquite brush 49.46 Chs.

From the Sec. to Tps. 17 S.
 S. R. 8 and 9 E. just
 established I ran West
 on a true line 1st.
 Secs. 1 and 36

Va. 12° 30' E.

40.00

Set a post 3ft. long
 pins sq. with marked

R. & E. J. & S. R. W.

Chairs

Stone 12 ins. in the ground
for "4" Sec. Cor. marked
"5" on N. face. dug pit
18 x 18 x 12 ins. E. and W.
of post 5/8 ft. dist. and
raised a mound of
earth 1 1/2 ft. high 3/4 ft.
wide around post.

58.61 Dry work 20 lbs. wide Co. H.
80.00 Set a post 4 ft. long
4 ins. sq. with marked
stone 12 ins. in the ground
for Cor. to Sec. 12, 35-836
marked S. 7 S. 36 on N. E.
R. & E. S. 1 on S. E. T. 18 S.
S. 2 on S. W. and S. 35
on S. W. face. with

South Boundary of Sta. 17 S.
Chains

1 notch on E. and 5
notches on W. edges.
dry pits 18x18x12 ins
at each cor. 5 $\frac{1}{2}$ ft.
dist. and raised a
mound of earth 2 ft.
high 4 $\frac{1}{2}$ ft. tall around
post.

Surface level
Soil 1st rate
good grass
Scattering brush

R. S. C. J. S. R. M.
 Davis

Next bet. Secs. 2 and 30

72. 12° 00' E.

40.00

Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for "4" Sec. Cor. marked 1/4 S. in N. face. dug pit 18 x 18 x 12 ins. E. & N. of post 5 1/2 ft. dist. and raised a mound of earth 1/2 ft. high 3/4 ft. base around post

70.00

Enter dense mesquite- timber bet. N. C. and N. N.

78.60

Dry mark 20 lbs with W. S. C.

80.00

Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the

South Boundary of Tr. 17 Chains

ground for Cor. to Sur.
 2. 3. 84 and 35 marked
 7. 17 S. S. 35 on N.E. R. 8 E.
 S. 2 on S.E. T. 18 S. S.
 3 on S. T. and S. 84
 on N. T. farm. with
 2 notches on E. and
 4 notches on N. edge
 Dig pits 18x18x12 ins
 in each Sur. 5 1/2 ft.
 dist. and raised a
 mound of earth
 2 ft. high 4 1/2 ft. base
 around post.
 Surface level
 bid 1st rate
 Good grass
 Dune mesquite brush 10 Ch.
 Scattering brush 70 Ch.

S. R. 8 E. J. & S. R. 7 W.
Maine

West pt. Sec. 3 and 34
Var. $12^{\circ} 30' E$.

36.17 Dry wash 15 ft. wide 20.
S. E. Rear down track

4000 Set a granite rock $10 \times 10 \times 8$
ins. 7 ins. in the
ground for "4 Sec. Cor.
marked "4 on N. face
dug pits $18 \times 18 \times 12$ ins.
E. or 24 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
 $15 \times 12 \times 4$ ins. 10 ins. in
the ground for Cor.
to Sec. 34 33 and 34

South Boundary of Sp. 17 S.
 Chain

marked with 3 notches on
 E. and N. edges. dug
 pits 18x18x12 ins. in
 each sq. 5 $\frac{1}{2}$ ft. dist.
 and raised a mound
 of earth 2 ft. high 4 $\frac{1}{2}$
 ft. base along side.

Surface rolling
 Soil red rate

Good grass
 Dune brush 26.17 lbs.
 Scattering brush 43.93 lbs

R. & E. J. and A. R. M.
 Davis

West bet. Sec. 4 and 30
 Va. 12° 00' E.

- 3.37 Road bet. N. and S.
- 4000 Set a granite rock 17x14x10
 ins. high in the ground
 for "S" Sec. Cor. marked
 "S" on N. face, and
 raised a mound
 of stone along side.
 Pile impracticable
- 8000 Set a granite rock 16x10x8
 ins. 11 ins. in the ground
 for Cor. to Sec. 4, 5, 32.
 and 30 marked with 4
 notches on E and 2 notches
 on N. edge, and raised
 a mound of stone
 along side. Pile impracticable

South Boundary of 5th 17th S.
Chavis

Surface rolling and rocky
but erod. rate.

Good grass
No timber

West Pt. Secs. 5 and 32

2^d. 12° 00' E.

- 4.00 Dry wash 10 lbs. wide lev. SE.
- 20.30 Road 75. N. 75. and SE.
- 24.70 Dry wash 400 lbs. wide
lev. SE.
- 32.00 Road 75. N. & S.
- 34.00 Francisco León has a
house 160 lbs. S. of line
- 37.80 A well of good water
85 ft. deep 30 lbs. S. of line
- 40.00 Set a granite rock
16 x 12 x 7 ins. 11 ins. in

R. S. L. J. S. R. M.

Chains

the ground for "4
 S. Cor. marked
 "4 on S. jaw. and
 raised a mound
 of stones along side,
 Pits impracticable

5000

Foot of mt. ascend along
 N. E. slope angle 18°

6500

Along N. slope

8000

I make the correct
 allowance and set a
 granite rock $18 \times 14 \times 10$ ins.
 12 ins. in the ground
 for Cor. to Sec 5. 6. 21
 and 32 marked with
 5 notches on E. and 1
 notch on N. edge.
 and raised a mound

S. Boundary of Sp. 17 S
Chain

of stone alongside.

Peb. unfractured

From which an oak 18 ins.

in diam. W. N. 34° E. 27 lbs.

cut. marked T. 18 S.

R. 86. S. 5 Q. 5. No other

trees within limits

Surface unmountainous 50 chains

Soil 3rd. rate

Good grass

Scattering oak and mesquite

Next bet. Sec. 6 and 31

Va. 12° 30' E.

Ground along N. N. slope
at an angle of 18°

Foot of mt. W. N. E. and 4 N.

Dry wash 40 lbs. wide. Co. N.

R. S. E. J. & S. R. M.
 Chain

- 40.00 These over rough broken country
 I make the correct allowance
 and set a granite rock
 20x15x10 ins. 15 ins. in
 the ground for "4" sec. loc.
 marked "4" on N. face, and
 raised a mound of
 stone alongside.
- 40.10 Pits impracticable. In cañon
 Center of cañon lev. 4200 E.
 Ascend mt. at an angle of
 21°
- 75.00 Top of mt. peak. Descend
 at an angle of 24°
- 78.64 I make the correct al-
 lowance and mark a
 rock in place 12x8x6 ins.
 above ground with a cross

South Boundary of Twp. 17 S. T. 17 S.

(+) at exact cor. point
 and 6 inches in N. S. E. 1/4,
 or corner of Tps 17 and 18 S. R. 7 and 8 E.
 Redgn. from which an
 oak 10 ins. in diam. br.
 N. 40° E. 39 lbs. dist. marked
 T. 17 S. R. 8 E. S. 21 B. T.
 An oak 7 ins. in diam.
 br. S. 42° E. 25 lbs. dist.
 marked T. 18 S. R. 8 E. S.
 6 B. T. an oak 8 ins. in
 diam. br. S. 2° N. 7 lbs. dist.
 marked T. 18 S. R. 7 E. S. 1 B. T.
 An oak 7 ins. in diam.
 br. N. 41° N. 8 lbs. dist.
 marked T. 17 S. R. 7 E.
 S. 36 B. T.

Surface mountainous
 Soil 4th rate

P. & C. J. S. R. M.
Chairs

Good grazing
Scattering oak timber

I carefully examined
the adjustments of
my solar Transit to-day
particularly the latitude
and reversing apparatus
and found them correct
November 11th 1884

West Boundary of Tps. 17 S. Chains

From the Sp. Cor. to Tps.
17 and 18 S. Rs. 7 and 8 E.
just into the hill I run
North bet. Secs. 31 and 36
To $12^{\circ} 30' E$

Descend N. W. slope of mountain
at an angle of 28°

28.40

Dry wash 30 lbs wide
bet. N. E.

28.70

Ascend over mt. ridge

40.00

I make the correct allowance
and set a granite rock
 $18 \times 12 \times 5$ ins. 12 ins. in
the ground for "4" Sec.
Cor. marked "4" on N.
face: and raised a
mound stone alongside
Pile impracticable

R. & E. J. S. R. M.

Chairs

6453 Dry wash 15 lks. wide
lev. N.E.

8000 I make the correct allowance
and set a Malpais rock
16000 8 ins. 11 ins. in
the ground for lev. to
Sect. 25. 30. 31 and 36
marked with 1 notch
on S. and 5 notches on
N. edge; and raised a
mound of stone alongside
Pit's impracticable
Surface mountainous
Sect 4th vol
Grass fair
Scattering oaks

West Boundary of Twp. 17 S
 Lewis

North bet. Secs. 25 and 30

Th. $120^{\circ}30''$ E.

Over mt ridge

12.00

Top of divide bet. N.E. and S.W.

Descend N.W. slope at an
 angle of 18°

40.00

I make the correct
 allowance and set a
 granite $20 \times 10 \times 9$ ins 15 ins
 in the ground for
 "4 Sec. Cor. marked
 "4 on N. face and
 raised a mound of
 stone alongside.

Pile impracticable

From which an oak
 12 ins. in diam. bet.
 $S. 40^{\circ} E.$ & $S. 1/4$ Sec. dist.

P. & C. J. S. R. M.

Chains

marked "4 S. 105.

60.84

Nash 20 lbs. with cor. N.E.

Thence over rocky land

72.30

Nash 20 lbs. with cor. E.

80.00

I make the correct allowance

and set a granite rock

18x10x8 ins. 1/2 ins. in the

ground for cor. to Sec.

19.24. 25 and 30 marked

with 2 notches on S. and

4 notches on N. edge

and raised a mound

of stones along side.

Ribs impracticable

Surface mountainous

Soil 4th rate

Grass fair

Scattered oak

West Boundary of Sp. 17 S.
ChainNorth bet. Secs 19 and 24
Ta. 12° 30' E.Over rolling land through
dense mesquite and
cut & clear brush

5.47

Dry wash 10 lbs wide W. S. E.

18.49

Dry wash 80 lbs wide W. E.

40.00

Set a granite ^{rock} 12 x 8 x 9 ins
8 ins. in the ground
for "4" Sec. Cor. marked
"4" on N. face and
raised a mound of
stone alongside.

Pits impracticable

80.00

Set a granite 15 x 8 x 6 ins.
10 ins. in the ground
for Cor. to Sec.
C. 13, 18, 19 + 24 marked

R. & E. J. & S. R. M.
 Chain

with 3 notches on S.
 and 2 notches on N.
 edge and raised a
 mound of stone alongside
 Pile impracticable
 Eucalyptus rolling
 Soil Euc. note
 Grid ground
 Dead mesquite and
 cats claw brush

North pt. Sec 13 and 18
 Va. 12° 30' E.

Over very broken country
 Set a granite rock
 18 x 10 x 8 in. 12 in. in
 the ground for "4"
 Soil low. marked "4"

West Boundary of Sp. 17 S.
Chain

on N. face and raised
a mound of stone alongside
Pit impracticable

77.00

Top of mt. to N.W. & S.E.
and descend at an angle of 30°

80.00

I make the correct
allowance and set a ^{granite} rock
20 x 10 x 10 ins. 15 ins. in

the ground for Cor.
to Sec. 7, 8, 13 and 18

marked with 4 notches
on S. and 2 notches on

N. edge. and raised
a mound of stone
alongside.

Pit impracticable

From which an oak
15 ins. in diam. to S. 86° E.

R. C. J. S. R. M.
Chains

20th dist. marked

T. 17 S. R. 8 E. S. 18 T. 1

No other trees within limits

Surface mountainous

Soil 4th rate

Grass poor

Scattering oak and cottonwood

North pt. Sec 7 and 12

7a. 12000' E.

Ground N.E. slope of mt at
an angle of 28°

4000

I make the correct
allowance and set a
granite 16 x 12 x 8 ins. 11 ins
in the ground for
"4 Sec. 7a. Sec. marked
"4 on N. face and

West Boundary of Sp. 17 S.
Chains

raised a mound of
stone alongside.

Pik impracticable

8000

I make the correct
allowance and set a
Granite - 36 x 18 x 12 ins. 27
ins. in the ground
for Cor to Sec. 1, 6, 7 and 12
marked with 5 notches on
S. and 1 notch on N. edge
and raised a mound
of stone alongside.

Pik impracticable

Surface mountainous

Soil 4th rate

No grass

Scattering brush

R. S. G. J. & S. R. W.

Claims

North pt. Sec. 1 and 6

Twp. 12° 30' E.

1,400

Middle of cañon 1000 ft
wide E. & E., ascend
at an angle of 38°.

4,000

I make the correct
allowance and set a
granite 24 x 20 x 10 ins. 18 ins.
in in the ground for
"4 sec. lev. marked "4
on the face and
raised a mound
of stone alongside
Pike impracticable
on top of mt. to E. and N.
Descend at an angle
of 80°

4,450

Descend at an angle

West Boundary of Sp. 17 S.
Chain

8000

of 38°
I make the correct
allowance and set a
granite 36x12x10 ins 28
ins. in the ground.
for cor. to Sp. 16 and 17
S. Co. 7 and 8 E. marked
with 6 notches on N.S.
E. & W. edges. and raised
a mound of stone
alongside.

Pike impracticable

On point of rocks on
N. side of cañon

Surface mountainous

Soil rocky and worthless

Can you

Scattering oak brush

A. S. C. J. S. R. M.
Chambers

I carefully examined
the adjustment of my
Solar Transit to-day
particularly the latitude
and leveling apparatus
and found them correct.
Nov. 12th 1884

North Boundary of Tps. 17 S
 Chain

From the S. Cor. to Tps.
 16 and 17 S. Rs. 7 and 8 E.
 just established I run
 East on a random
 line with a $\text{va. } 12^{\circ} 30' E.$
 setting temporary "4" and
 S. Cor. at each 40 and
 80 chs. and at 479 Chs.

Intersect Range line 180
 links S. of the Cor. to
 Tps. 16 and 17 S. Rs. 8 & 9
 E. recently established
 by me. Thence I run.

R. T. C. J. S. R. M.

N. $89^{\circ} 47' N.$ on a
true line bet. Sec.
1 and 26 with com. 32.
Pa. $12^{\circ} 30' E.$

Descend from point of
mt. at an angle of 20°
Leave mt. to N. S. cross
wash 22 links wide to S.
Ascend mt. ^{above} to N. S.
at an angle of 24°
To N. S. descend
at an angle of 32°
Foot to N. S. cross
wash 15 links wide
to N.

I make the correct
allowance and set a
granite rock 12x10x8

West Boundary of Tp. 17 S.
Paris

ins. 8 ins. in the
ground for 4 Sec.
Cen. Marked 44
on N. face and
raised a mound
of stone alongside.

Pit. impracticable

80,000

Set a post 4 ft. long
4 in. sq. with marked
stone 12 ins. in the
ground for Cen. to
Sec. 12. 30 30. marked
T. 16 S. S. 36 on N.E. R. 8 E
S. 1 on S. T. 17 S. 12 on
S.W. and S. 35 on
N. W. face with 1
notch on E. and 5
notches on W. edge

P.S. J. S. R. M.
 Davis

Dug pits 18x18x12 ins.
 in each sec. 5½ ft.
 dist. and raised a
 mound of earth 2 ft.
 high 4½ ft. from
 around post.

Surface mountainous 29 Cha
 level 5-1 chains

Soil 4th and 1st rate

Grass good

Dense mosquito - Brook

N. 89° 47' W. on a true
 line bet. Sec 2 and 35
 Va. 12° 30' E.

Low level country
 around mt. trs. N. & S.
 at an angle of 35°

North Boundary of Sp. 17
Chains

4000 I make the correct allowance and set a granite rock $12 \times 10 \times 10$ ins. in the ground for "4" sec. Cor. marked "4" on N. face and raised a mound of stone alongside.

It is impracticable

8000 I make the correct allowance and set a granite rock $15 \times 8 \times 7$ ins. 10 ins. in the ground for Cor. to Sec. 23.34 and it marked with 2 notches on E. and 2 notches on N. edge and raised a mound of stone

R. & E. J. & S. R. M.
 Chain

along side.

City impracticable
 Surface mountainous 62.5 chs.
 Soil 1st and 4th rate
 Dense mesquite and
 Palo Verde brush 16.5 chs.

N. $89^{\circ} 47' N.$ on a true
 line bet. Sec. 2 and 3 of
 T. $12^{\circ} 30' E.$

Ascending at an angle
 of 38°

40.00

I make correct allowance
 and set a granite rock
 $16 \times 11 \times 7$ ins. in
 the ground for "4 Sec.
 Cor. marked "4 in N.
 face and raised a
 mound of dirt

North Boundary of Tp. 17 S.
 Chain

alongside,

Pit: impracticable

6850

Top of mt. to N.E. & S.W.

descend at an angle of 38°

8000

Make the correct allowance

and set a granite 10x

9x9 ins. 10 in. in the

ground for Cor. to S.W.

24, 33 and 34 marked

with 2 notches on E. and

W. edges and raised

a mound of stone

alongside. Pit: impracticable

Surface mountainous

Soil 4th rate

Scattering oak trees

R. 56. J. S. R. M.
Chains

N. $89^{\circ} 47' N.$ on a true
line bet. Sides 4 and 33
Va. $12^{\circ} 30' E.$

Descend at an angle of 89°

4000

I make the correct
allowance and set a
granite $14 \times 10 \times 6$ ins. 9 ins.
in the ground for "4"
So. Cor. marked "4" on
N. face and raised a
mound of straw alongside
Pile impracticable

8000

I make the correct
allowance and set a
granite $16 \times 12 \times 8$ ins. 11 ins.
in the ground for Cor.
to Sides 4, 5, 32 and 33
marked with 2 notches
on N. and 4 notches

57
 North Boundary of Tp. 17 S.
 Davis

on E. edge, and raised
 a mound of stone
 along side. Pit intractable
 Surface mountainous
 Soil 4th rate
 Scattering oak trees

8
 N. $89^{\circ} 47'$ W. on a true
 line bet. Secs. 5 and 22
 T₁₇ S. $12^{\circ} 00'$ E.

Descend at an angle of 27°

10.00

Indian trail to S. 18

12.50

Dry wash 20 lbs. wide to S. N.
 Foot of mt to S. 7. and 8. ascend
 at an angle of 21°

4.00

I make the correct
 allowance and set a
 grade - 180000 ins. 12 ins.

R. E. J. & S. R. M.

Chains

in the ground for
 "4 Sec. Cor. marked
 "4 on N. face and raised
 a mound of stone
 alongside. Pits impracticable the

53.00

Top of mt. 78. N.H. and S.E.

and descend at an angle of 24°
 making the correct alluvium land

80.00

Set a granite rock $18 \times 12 \times 2$ ins.

12 ins. in the ground
 for Cor. to Sec. 5, 6, 31 and 32
 marked with notch on
 the West and 5 notches
 on the East edges. and
 raised a mound of
 stone alongside.

Pits impracticable.

Surface mountains and
 covered with large boulders.

North Boundary of T. 17 S
Chassis

Soil 4th rate
Grass poor
Scattering oaks

S. $89^{\circ}47'$ W. on a true
line bet. Sec. 6 and 8
T. 12⁰ 30' E.

4900
Descend at same angle
I make the correct
allowance and set a
granite rock $16 \times 12 \times 9$ ins.
11 ins. in the ground
for "4 Sec. Cor. marked
"4 on N. face and
raised a mound of
stone alongside.

6800
Pits impracticable
Foot of mt. to S. N. W. & S. E.

R. & C. J. S. R. M.
 Chain

74.00 Dry wash 20 lbs. inside the N.
 ascended at an angle of 19°

79.00 The loc. to Sp. 16 and 17 S.
 Rs 7 and 8 C.

Surface mountainous
 Soil rocky 4th site
 Scattering oak trees and brush

I carefully re-adjusted the
 adjustments of my
 Solar Transit today
 particularly the latitude
 and reversing apparatus
 and found them correct
 November 14th 1884

General Description

The east and the greater part of the South boundary of ~~the~~ 17th R. & C. extends over a level and rolling surface, covered with mesquite and palo verde trees and brush.

But the West and North boundaries are extremely mountainous and rocky. The soil is almost worthless. There is scattering oak timber along parts of the line.

Final Oaths for Surveys.

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LIST OF NAMES.

A List of the Names of Individuals employed by
John C. Smith U. S. Deputy Surveyor to
assist in running, measuring and marking the lines and
corners described in the foregoing Field Notes of the survey of
the East Boundary of T^h. 16 S.
R. 8 E. and the Extensions of
T^h. 17 S. R. 8 E. Gila and
Salt River

of the principal base and meridian in the Territory of Arizona,
showing the respective capacities in which they acted.

- Frank J. Hardy Chairman
- Thomas Key Foreman "
- Charles C. Lundy Axeman
- Henry Ransom "
- Charles Embers Flagman



Final Oaths of Assistants.

We hereby certify that we assisted John C. Smith U. S. Deputy Surveyor, in surveying the E. Ry. of Sp. 16 S. R. 8 E, and the Extension of Sp. 17 S. R. 8 E,

^{Sp. 16 S. R. 8 E.} of the principal base and meridian in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the U. S. Surveyor-General for Arizona.

Frank J. Hardy
Thomas Wayboarn
Chas. Lundy
Charles Embert



Subscribed and sworn to before me this 14th day of November 1884

J. B. McLaughlin
Notary Public.

I John C. Smith

United States Deputy Surveyor, do solemnly swear that in
pursuance of instructions received from Royal A.

Johnson U. S. Surveyor General for Ari-
zona bearing date of the 14th day of October

1884 I have well, faithfully, and truly, in my own proper
person and in strict conformity, with the instructions furnish-
ed by the U. S. Surveyor General for Arizona, the surveying
manual and the laws of the United States surveyed the East

By. of 3^d. 16 S. R. & C. and the
Ex. Sessions of 3^d. 17 S. R. & C.

given & S. R.
of the principal base and meridian in the Territory of Ari-
zona, as are represented in the foregoing fields notes as having
been surveyed by me and under my direction; and I do further
solemnly swear that all the corners of the said survey have been
established and perpetuated in strict accordance with the survey-
ing manual, printed instructions, the special written instruc-
tions of the U. S. Surveyor General for Arizona, and in the

specific manner described in the field notes, and that the foregoing are the true field notes of such survey, and should any fraud be detected I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John C. Smith

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 14th
day of November 1884

J. B. McLaughlin
Notary Public.



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BOOK 1506

U. S. Surveyor General's Office,

Tucson, Arizona, Dec. 2 1884

The foregoing Field Notes of the Survey of the

Extensive Series of

T. 17 S. R. 8 E. and

E. Bdy. T. 16 S. R. 8 E.

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by *John C. Smith*

Deputy Surveyor, under his contract of the *14th*

day of *October*, *1884, having been*

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe

are hereby approved

Rapael Johnson

Surveyor General.