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Book II

No. 689

BOOK 689

Field Notes

OF THE SURVEY OF THE

Subdivision

-OF-

Township *7 S* - Range *23 E*

Gila and Salt River Base and Meridian

ARIZONA.

No. 689

By *Lewis Wolfley* D.S.

Under contract dated *May 12 1884*

Survey commenced *July 16th 1884*

Survey completed *July 23^d 1884*

689

Surveyed

No. 689

Subdivision Series

F.

J. 7. S. B. 23 E

Q. 3d S. B. N.

For preliminary oaths and
description of instrument see
book No. 1 of externals.

BOOK 689

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Township 7 South, Range 23 East,

Gila and Salt River Meridian.

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Referring the lines to the pages of the field notes.

T. + S. R. 23 E.

Chains

From the cor. to sec. 1-2-35 +
36. on S. By. of T₂, recently
established by me. Run.

Route, on a true line bet.
sec. 35. + 36.

Var. $12^{\circ} 38' E.$

Descend gradually

4.25 Leave road bet. T₂W. + S. E.
from Smithville to saw mill
in mountain.

35.00 Leave same road bet. T₂ E. + S. W.

40.00 Set a granite stone $16 \times 9 \times 7$ ins.
10 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on SW face
and raised a mound of
stone alongside.

Pits impracticable

J. J. S. R. 23 E. 1

chains

and ascend abruptly.

7.00 Top of mountain approx. 800 ft.
high here. N. E.

8.00 Set a Granite stone $18 \times 13 \times 3$
ins. 12 ins. in the ground, for
cov. to pers. 25-26 35+36.

marked with 1 notch on S.
and 1 notch on E. edges,
and placed a mound of
stone alongside.

Pit's imperceptible.

Surface of mountain broken.
Slope $4 \frac{1}{2}$ ratio.

Timber scattering oak.

Vegetation good grass.

J. J. S. B. 23 E.

Chains

East, on a random, line
bet. sec. 25. + 36.

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

Ascend.

- 4.00 Descend over broken slope.
35.00 Cross road course N. E.
40.00 Set a temporary $\frac{1}{4}$ sec. cor.
and continue abrupt descent.
52.00 Cross wash course N. E. and
ascend abruptly.
80.12 Intersect E. Bdy. of Tp.
26 lks. S. of cor. to sec.
25-30-31 + 36. recently established
by me. — Thence run
S. $89^{\circ} 49' W.$ on a true line
bet. sec. 25 + 36. with same var.
40.06 Set a granite pin $13 \times 10 \times 8$
ins. 8 ins. in the ground for $\frac{1}{4}$

J. J. S. C. 23 E.

Cham

sec. cov. marked $\frac{1}{4}$ on W. face,
and raised a mound of stone
alongside.

Pit impracticable.

0. 12. The cov. to sec. 25-26-35+36.

Surface. Mountainous

sub. 4 $\frac{1}{2}$ pale.

Vegetation. Good grass.

Work on a price line bet.
secs. 25. + 26.

Var. 12° 45' E.

Descend abruptly along
W. slope of mountain.

Wood set a granite stone 18 x 18 x 7 ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face.

J. J. S. C. 23 C.

Lehaves

and passed a mound of
stone alongside.

Pit impenetrable.

47.00 Descend more gradual,
80.00 set a granite stone 18 x 12 x
7 ins. 12 ins. in the ground
for cor. to pccs. 23-24 & 25-26.
Marked with 2 notches on S,
and 1 notch on E. edges, and
passed a mound of stone
alongside.

Pit impenetrable.

Surface, Mountainous & broken.
Soil 4th rate & rocky.
Vegetation Fair grass.
Timber scattering mesquite
brush.

S. 7 S. R. 23 E.

chain

East, on a random line bet.
secs. 24 + 25.

Var. $120^{\circ} 45'$ E.

Along broken W. slope of
mountain.

18.00 Cross road bet. W.

20.00 Set a temporary $\frac{1}{4}$ sec. cor.

20.32 Intersect E. B. of Sp. 36 lbs.

S. of cor. to secs. 19-24-25+30
recently established by me.
Thence, Sump.

S. $89^{\circ} 45'$ W on a true line bet.
secs. 24 + 25, with same var.

40.16 Set a granite stone $12 \times 12 \times 6$
in. 6 in. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W. face
and poured a mound of
stone alongside.

J. J. S. R. 23 E.

Behavio

Pito impracticable.

80. 32 The cor. to sec. 23-24-25+26.

Surface, Mountainous.

Soil 4 ^{to} 5 paces + rocky.

Vegetation Fair grass.

Timber scattering mesquite
brush.Hout. on a price line bet.
secs. 23 + 24.

Cor. 12° 42' E.

Ascend.

17. 00 across wash 50 paces wide corner
N. E.

30. 00 Entire creek bed, corner N. E.

37. 50 across creek, fine stream of
water, 38 paces wide corner N. E.

J. J. S. B. 23 E. 1

Chassis

4 0.00 Set a granite stone, 15 x 6 x 6 ins.
10 ins. in the ground for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face.
and poured a mound of stone
alongside.

Pit impracticable.

0.00 Set a granite stone 15 x 6 x 6 ins.
10 ins. in the ground for cov.
to eyes, 13-14, 23 + 24, marked
with 3 notches on S. and 1
notch on E. edges. and poured
a mound of stone alongside.

Pit impracticable (from which

A. mequillo 4 ins. in diam.

bro. W. $37\frac{1}{4}$ W. 62 lbs. - dit. - marked

J. J. S. B. 23 E. S. 14 B. J.

Surface broken.

Soil 4th rate & rocky.

S. 7 S. R. 23 E.

Charris

Vegetation Poor grass.
 Timber dense Mesquite brush.

East, on a parallel line bet;
 sec. 13. + 24.

Var. 12° 42' E.

Descend.

- 37.50 Cross creek. 18 lbs. wide cor. N. E.
 40.00 Set a temporary by sec. cor.
 48.00 Cross creek. 60 lbs. wide cor. N. E.
 52.00 Cross road to Smithville br. N. E.
 79.94 Intersect E. B. of S. 29 lbs.
 S. of cor. to sec. 13-18-19 + 24
 recently established by me.
 Thence down,
 S. 89° 48' W. on a line bet;
 sec. 13 + 24 with same var.

S. J. S. Co. 28th E.

behaviors.

- 39.97 Set a granite stone 24 x 19 x 10
ins. 18 ins. in the ground for
1/4 sec. cor. marked 1/4 on N
face. and passed a mound
of stone alongside.
Pit impracticable from which
A mesquite 8 ins. in diam.
no. N. 56° E. 46 lbs. dict.
marked 1/4 S. P. S.
- A mesquite 7 ins. in diam.
no. S. 66° E. 22 lbs. dict.
marked 1/4 S. P. S.
- 79.94 The cor. to piers 13-14-23+24
Surface broken
Soil 4 1/2 pat. + rocky.
Vegetation Poor grass.
Lined dense mesquite
brush. Continued along creek.

J. J. S. R. 23 E.

Lehman

Work on a true line
bet. secs. 13 + 14.

Bas. 12° 31' E.

Ascend.

12. 00 Ascend ridge bet. E. + W.
 18. 00 Cross pasture and descend.
 24. 00 Foot of same.
 40. 00 Set a granite stone 13 x 12 x 7
 ins. 8 ins. in the ground for
 1/4 sec. cor. marked 1/4 on W.
 face, and raised a mound
 of stone alongside.
 Pit is imperceptible.
 79. 20 Cross coach. 40 lbs. wide cor. W. E.
 80. 00 Set a granite stone 26 x 20 x
 12 ins. 20 ins. in the ground
 for cor. to secs. 11, 12 - 13 + 14
 marked with 4 notches on S.

J. J. S. R. 23 E. 1

Pharus

and 1 notch on E. edges, and
paved a mound of stone
alongside.

Pit impracticable; from which
a mosquito 8 in. in diam. br.
S. 16° W. 110 lbs. dist. marked.
J. J. S. R. 23 E. J. 14 B. J.

Surface, broken mica.

Soil 4th pale.

Vegetation Fair grass.

Timber dense mosquito brush.

J. J. S. B. 23 E.

Lehman

East; on a random line bet.
secs. 12 + 13.

Var. $12^{\circ} 26'$ E.

Decend.

0.90 Cross wash, 42 lbs. wide. cor.
N. E.

4000 Set a temporary $\frac{1}{4}$ sec. cor.

79.58 Intersect E. B. of Sp. 40 lbs.
S. of cor. to sec. of 12-13 + 18
recently established by me,
Thompson.

S. $89^{\circ} 43'$ W. on a true line
bet. secs. 12 + 13 with same var.

39.79 Set a granite block $17 \times 12 \times 6$
ins. 12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. E.
face, and raised a mound
of stone alongside.

J. 7 S. R. 20 E. 1

Lehans

17. 5-8.

Pit impracticable, Div. S. bank
of wash. 60 lbs. wide, co. N. E.
Surface. ~~Boschen. mesquillo~~
The soil is ¹¹⁻¹²⁻¹⁸ ~~11-12-18~~ ¹⁴ ~~14~~
pale.

Vegetation poor. grass,
Lynhis densa Indegenti and
sage weed. brush.

Work on a true line bet. sec.
11 + 12.

Par. 12° 45' E.

Descend.

18. 00

cross wash. 34 lbs. wide co. N
74° E. and ascend.

4. 000

Set a granite stone 17 x 12 x 7
ins. 12 ins. in the ground. for
1/4 sec. cor. marked 1/4 on N. face.

J. J. S. W. 23 E.

Chains

dig pits. 18 x 18 x 12 inc. N. +
S. of stone. 5 1/2 ft. dist. and
paved a mound of earth 1 1/2
ft. high. 3 1/2 ft. base alongside.

66.00 Second mea. bro. N. E. S. W.

78.00 Stone marks. 40 lbs. wide. W.
N. 10° E.

80.00 Set a granite stone 15 x 12 x 7
inc. 10 inc. in the ground
for cor. to pccs. 16-2-11+12.
marked with 5 notches on
S. and 1 notch on E. edges.
and paved a mound of
stone alongside.

Pit's unproductive
Surface broken mesa slopes.
Soil 4 1/2 rates.

Vegetation poor. grass
Lush dense meadow

J. 7 S. R. 23 E.

Chamie

East on a random line bet.
secs. 14 & 12.

Par. $12^{\circ} 36' E.$

Descend.

.5-0 loose wash 20 lbs. wide co. N. E.
and ascend.

6.00 loose wash 20 lbs. wide, co. N
and ascend.

0.00 Set a temporary $\frac{1}{4}$ sec. cor.

6.00 loose parine Sec. N. E. + ascend.

2.00 Top of mica bro. N. E. + S. W.

0.14 Intersect E. B. of Tps. 16 lbs.

S. of cor. to secs. 1-6-7+12.

recently established by me.

There is now

$S. 89^{\circ} 40' W.$ on a line line bet.

secs. 1+12 with same var.

0.07 Set a granite stone $13 \times 10 \times 7$ ins.

J. J. S. P. 23 C.

behain

8 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ in W. face.
 and passed a mound of stone
 alongside.

Pit unpracticable.

On top of ridge, and descend.

80. 14

The cor. by secs. 1-2-11 & 12,
 surface Mountainous & broken,
 soil 4th rate.

Vegetation Poor grass,
 Sedges Mesquite and
 loose weed brush.

North, on a random bet. secs.

1 & 2.

Var. 12° 36' C.

Over broken W. slope of mesa,

T. J. S. K. 23 E.

Behaviors

- 34.00 Sprung about 4 cho. West.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 48.00 Lava slope of mesa
- 80.20 Intersect W. B. y. of Sp. 18 lbs.
 O. of cor. to recs. 1-2-35. + 36.
 recently established by me.
 Thence S. 100.
- S. 8' E. on a true line bet. sec.
 1 + 2. with same var.
- 40.20 Set a post: 3 ft. long, 3 in.
 sq. with marked flint, 12 in.
 in the ground. for $\frac{1}{4}$ sec. cor.
 cor. marked $\frac{1}{4}$ S. on W. face.
 dug pits: 18 x 18 x 12 in. W. & S.
 of post: 5 $\frac{1}{2}$ ft. dist. and
 piled a mound of earth.
 1 $\frac{1}{2}$ ft. high. 3 $\frac{1}{2}$ ft. base
 around post.

T. J. S. R. 23 C.

Lehmanis

80.20 The cov. to pers. 1-2-11+12,
surface. Mountginnis 48 chs.
Level. 32.20 chs.
Soil 4th pale.
Vegetation Poor grass.
Timber dense Mesquite
and soap wood brush.

J. J. S. B. 23 C.

Lehman's

From the cor. to pces. 2-3-34+35.
on S. By. of Sp. recently established
by me, I run
North, on a true line bet.
pces. 34. + 35.

Par. $12^{\circ} 36' E$.

Descend mountain abruptly.

41.00

Set a granite stone $17 \times 9 \times 8$ ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face
and raised a mound of stone
alongside.

Path impracticable.

52.00

Descend gradually over
E. slope of mountain.

80.00

Set a granite stone $18 \times 13 \times 6$ ins.
10 ins. in the ground, for cor.
to pces 26-27-34+35 marked.

J. 7 S. B. 23 E.

Lehman

with 1 notch on S. and 2 notches
on E. edges. and passed a
ground of stone alongside.
Pts. imperceptible.

Surface of mountains
flat. 4th rate & rocky.
Vegetation good grass.
Timber Mesquite brush.

East, on a parallel line bet.
secs. 26 & 35.

Par. 12° 36' E.

Descend along slope.

- 29.00 Cross creek, 30 lks. wide as N.W.
40.00 Set a temporary 1/4 sec. cor.
49.00 Ascend abruptly mountain spur.
78.00 Top spar bet. N.W. & S.E.

J. J. S. P. 23 C.

Lohman

80. 32 Intersect - N. + S. line 37 lbs
 S. of cov. to pccs. 25-26 35 + 36.
 Thence S. W.
 S. $89^{\circ}45'$ B.P. on a true line bet.
 pccs. 26 + 35 with same cov.
40. 16 Set a gravity stone $13 \times 10 \times 7$
 ins. 8 ins. in the ground, for $\frac{1}{4}$
 sec. cov. marked $\frac{1}{4}$ on N. face
 and raised a mound of stone
 alongside.
 Pit is impracticable.
80. 32 The cov. to pccs. 26-27-34. ~~was~~
 surface. Mountainous + broken
 soil 4 to 5 paces + rocky.
 Vegetation good grass.
 Stumps of cutting fragments
 brush.

J. J. S. R. 23 E.

Chains

Work on a true line bet. sec.
26 + 27.

Var. $120^{\circ} 45' E$.

Descend gradually.

29.00 cross creek, 40 lbs. wide corner.
N. W.

35.00 cross creek, 48 lbs. wide corner.
N. E.

The two creeks join about
2 chs. W. of line.

Ascend abruptly. mountain
spur.

39.40 Sp. of spur, 150 ft. high.
bet. N. E. + S. W.

40.00 Set a granite stone 16 x 9
x 11 in. in the ground for
1/4 sec. cor. marked 1/4 on N. W.
face and passed a mound

J. J. S. B. 23 E.

Chain

of stone alongside.

Site impracticable.

On N. E. slope and descend.

80.00 Set a granite stone $19 \times 12 \times 4$ in.

2 in. in the ground, for cov. to

pts 22, 23, 26, + 27. marked

with 2 notches on S. and E.

edges, and raised a mound

of stone alongside.

Site impracticable.

Surface of mountains & broken.

Soil 4th pale & rocky.

Vegetation Good Grass.

Trunks scattering ash.

Collinson + mesquite

along creek.

BOOK 689

J. J. S. R. 23 E.

Chairs

East, on a random line bet.
Reco. 23 + 26

Par. 12° 45' E.

Second.

12.00 Second,
22.00 Top of ridge bet. N. W. + S. E.
and Second.

40.00 Set a temporary 1/4 sec. cor.
40.51 cross creek 15-8 lbs. wide.
course N. E. - (fine water)
bearing bet. S. 16° W. about.
12 ch.

63.00 cross wash 5-0 lbs. wide. co. N. E.
79.94 Intersect N. + S. line 18 lbs. N.
of cor. to reco. 23-24-25 + 26.

Thence I run
N. 89° 52' W. on a true line
bet. reco. 23 + 26 with same par.

J. J. S. C. 20. E.

Lehman

39.97 Set a granite stone $19 \times 17 \times 8$ ins.
13 ins. in the ground, for $\frac{1}{4}$
sec. cov. marked $\frac{1}{4}$ on N. face,
and placed a mound of
stone alongside.

Pl. impracticable.

79.94 The cov. to secs. 22 23-26 & 27.
Surface rough, & broken.
Soil $\frac{1}{2}$ to 1 ft.

Vegetation good grass.

Timber Lehman sycamore
and green wood brush.

North on a true line bet. secs.
22 & 23.

Cor. $120^{\circ} 45' E.$

Leeward,

J. 7 S. R. 23 E.

Lehman

- | | |
|-------|---|
| 12.00 | across Gulch 140 lbs. wide w.
N. W. + ascend. |
| 21.00 | Edge of mesa hvs. N. W. + S. E.
and descend. |
| 40.00 | Set a Granite stone 19x18x12
ins. 14 ins. in the ground, for
1/4 sec. cov. marked 1/4 on N. face,
and placed a mound of Velvete
alongside.
Pit opposite cobby. |
| 45.00 | Descend mesa hvs. N. E. + S. W. |
| 56.00 | across creek 40 lbs. wide w. N. E.
and ascend. |
| 64.00 | Edge of mesa hvs. N. E. + S. W. |
| 80.00 | Set a Granite stone 13x12x7 ins.
9 ins. in the ground for cov. to
secs. 14-15-22 + 23 marked with
3 notches on S. and 2. on E. edges |

J. J. S. R. 23 E.

chains

and raised a mound of stone
alongside.

Field impracticable; from which
A mesquite 4 ins. in diam. has.

H. 8 ft. H. 12 lbs. dist. marked.

J. J. S. R. 23 E. S. 13 P. J.

A mesquite 3 ins. in diam. has.

H. 56 ft. E. 28 lbs. dist. marked.

J. J. S. R. 23 E. S. 14 P. J.

Surface mountains

soil. 4th pale & rocky.

Vegetation Poor. grass.

Timber dense mesquite
and greasewood brush.

J. J. S. R. 23 E.

Lehman

Each on a random line bet.
secs. 14 + 23.

Par. $120^{\circ}48'E$

Sec. contd.

26.00 Cross wash 54 lks. wide cor.
B. E.

4.000 Set a temporary $\frac{1}{4}$ sec. cor.

79.84 Intersect B. + S. line 18 lks.
B. of cor. to secs. 13-14-23 + 24
thence S. 40° W.

B. $89^{\circ}32' W.$ on a true line
bet. secs. 14 + 23 with same
par.

89.92 Set a granite stone $17 \times 16 \times 13$
ins. 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ m. B.
face and raised a mound
of stone alongside.

J. J. S. B. 23 C.

Lehans

Pile impracticable; from which
A mesquite 4 ins. in diam.
hrs. N. 58° W. 28 lbs. dist. marked
1/4 S. B. J.

79.84 The cor. to pces. 14-16-22+23,
surface broken + rough.
Soil 4th note.

Vegetation Poor grass.
Shrub dense mesquite +
greasewood brush.

Brush on a true line bet.
pces. 14 + 15;

Var. 12° 28' E.

40.00 Set a granite peg 28 x 26 x
18 ins. 21 ins. in the ground
for 1/4 sec. cor. marked 1/8 m

J. J. S. R. 23 E.

Lehann

W. face and passed a mound of stone alongside.

Pit's impracticable. from which
A mesquite 12 ins. in diam.
has W. 24 lbs. dist. marked
¼ S. B. J.

45.50 across each 44 lbs. wide
concrete.

78.00 descend to creek. course E.

80.00 set a granite stone 18x14x
12 ins. 13 ins. in the ground,
for cov. to pccs. 10-11-14+15,
marked with 4 notches on
S. and 2 notches on E. edges
and passed a mound of
stone alongside.

Pit's impracticable. from which
A mesquite 20 ins. in diam.

J. J. S. R. 23 E.

chain

bro. S. 32° E. 54 lks. dist. marked.
 J. J. S. R. 23 E. S. 14 R. J.
 surface, polling.
 Soil 4th rate.
 Vegetation Poor grass.
 Tribes dense mesquite
 and juniper wood brush.

East, on a prairie line
 bet. secs. 11 + 14.

Pav. 12° 28' E.

Ascend. from creek bed.

3.00 Leave same corner N. E.

0.00 Set a temporary 1/4 sec. cor

79.90 Surveyed N. + S. line 13 lks.

S. of cor. to secs 11-12-13 + 14

Thence S. W.

J. J. S. P. 23 E.

Chain

S. 89° 34' W. on a true line
bet. sees. 11 + 14 with same
bear.

39.95 Set a granite stone 15 x 12 x 7
ins. 10 ins. in the ground for
1/4 sec. cor. marked 1/4 on the
face and placed a mound
of stone alongside.
Plots unfructifiable.

79.90 The cor. to sees. 10-11-14+15.
Surface rolling mesa.
Soil 4th rate + rocky.
Vegetation few grasses.
Number of cattering mesquite
+ greasewood brush.

J. J. S. P. 23 E.

chains

Mount, on a true line bet. sees.
10 & 11.

Pav. $12^{\circ} 28' E.$

Descend,

1. 00 across wash 150 lbs. wide. co.

B. $78^{\circ} E.$ + ascend.

4. 00 Edge of low mesa. bet. E. & W.

4. 00 Set a granite plumb $16 \times 13 \times 10$ ins.

11 ins. in the ground, for $\frac{1}{4}$ sec.

co. marked $\frac{1}{4}$ on W. face.

and paced, a mound of
stone alongside.

Pile impracticable.

63. 00 Descend from mesa bet.

B. E. & S. W.

80. 00 Set a granite plumb $18 \times 12 \times 14$

ins. 12 ins. in the ground

for. co. to sees. 2 & 3 - 10 & 11.

J. J. S. R. 23 E.

Chains

marked, with 5 notches on S.
and 2 notches on E. edges. and
passed a mound of elm
alongside.

Pits unpracticable.

In small gulch.

Surface 17 chs. mountainous.
63 chs. level.

Soil 4th rate + rocks.

Vegetation poor grass.

Timber dense mesquite
and greenwood brush.

Cact. on a prairie line
bet. secs. 2 + 11.

Bar. 12° 45' E.

Decend

J. J. S. B. 23 E

Lehman's

4. 00 Cross deep gulch. 200 lbs. wide.
course N.
21. 00 Cross gulch. 210 lbs. wide
course N. 10° E.
37. 00 Cross Gulch. 200 lbs. wide.
course N. E.
40. 00 Set a temporary $\frac{1}{4}$ sec. cor.
50. 00 Cross Arroyo. 130 lbs. wide.
c. N. E.
58. 00 Brand fill br. S. about 5 cts.
from this point.
80. 42 Intersect N. & S. line 27 lbs.
S. of cor. to pces 1-2-11 & 12.
Thence S. run.
S. 89° 48' W. on a line
bet. pces 2 & 11. with same cor.
40. 21 Set a granite stone 10 x 8 x 7 ins.
6 ins. in the ground, for $\frac{1}{4}$ sec.

J. J. S. R. 23 E.

Chassis

cor. marked $\frac{1}{4}$ on Bl. face.
 dug pits - $18 \times 18 \times 12$ in. E. & W.
 of centre. $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth,
 $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base
 all around.

80.42 The cor. to secs. 2-3-10+11.

Surface, Mountainous.

Soil 4th rate. Alkali.

Vegetation poor grass.

Timber scattering mesquite
 and yucca and brush.

Cont. on a random line bet.
 secs. 2. + 3.

Par. $120^{\circ} 45' E.$

Decend.

J. J. S. B. 20 E.

Behrens

24. 00 Cross wash, 24 lbs. wide across
B. C.
40. 00 Set a temporary $\frac{1}{4}$ sec. cor.
60. 00 Leave slope of mesa bet. E. & W.
79. 84 Intersect B. Ry. of Apr. 27 lbs.
E. of cor. to pers. 2-3-34 & 35.
recently established by me.
Thened down.
- J. 12' E. on a true line bet.
pers. 2 & 3. with same cor.
89. 84 Set a granite stone 17x10x6 ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face
and raised a mound of stone
alongside.
- Pile impracticable; from which
A. mequiti 4 ins. in diam. bet.
B. 76th W. 20 lbs. dist. marked

S. 7 S. R. 23 E.

Chains

$\frac{1}{4}$ S. B. S.

A mesquite 8 ins. in diam.
bro. S. $37\frac{1}{2}^{\circ}$ E. 50 lbs. dist.
marked $\frac{1}{4}$ S. B. S.

79.84

The cov. to reco, 2-3-10 + 11,
Surface, 60 chs. mountain.

19.84 chs. level.

Soil 4th rate. Alkali.

Vegetation Poor. Grass.

Timber scattered mesquite
and greenwood brush.

I carefully examined the
adjunctments of my solar
compass ^{to any} particularly the
latitude and reversing
apparatus, and found
them correct.

J. J. S. R. 23. E

behaviors

From the cor. to sec. 3-4-33 & 34
on S. By. of Sp. recently established
by me, June.

Wrote on a true line bet. sec.
33 & 34.

Bar. 12° 48' 6"

Descend along rough W. slope
of mountain.

40.00 Set a granite stone 17 x 12 x 7 ins.
12 ins. in the ground for sec.
cor. marked 1/4 on W. face
and placed a mound of
stone alongside.

Pits impracticable.

Continue rough descent.

80.00 Set a granite stone 19 x 12 x 7 ins.
13 ins. in the ground. for cor.
to sec. 27-28-33 & 34 marked

J. J. S. R. 23 E.

Chassis

with 1 notch on S. and 3 notches
on E. edges, and raised a
ground of stone alongside.
Pls. unrecognizable
Surface, Mountainous.
Soil 4/5 pate & rocky
Vegetation Good Grass,
Timber scattered birch.

East, on a random line bet.
peaks, 27 & 34.

Bar, 12° 45' E.

Ascend,

26.50

Top of spur 3-00 ft. high.
By N. 20° E. & S. 20° W. & descend.

41.00

Set a temporary 1/4 sec. cor.

49.00

Cross wash. 20 lbs. wide ca. N. E.

J. J. S. R. 23 C.

lehanis

- 79.90 Entered N. + S. line 20 lbs.
 S. of cov. to secs. 26-27. 34+35.
 Thence N. on a true line bet.
 secs. 27 + 34. with same var.
- 39.95 Set a granite stone 19 x 13 + 4 ins.
 13 ins. in the ground, for $\frac{1}{4}$ sec.
 cov. marked $\frac{1}{4}$ on N. face
 and raised a mound of
 stone alongside.
 Pils. uncontractible.
- 79.90 The cov. to secs. 27-28-33+34
 Surface Mountainous.
 Soil $4\frac{1}{2}$ rate + rocky.
 Vegetation Good Grass.
 Quiver Mesquite + mesquid
 brush.

J. J. S. R. 23 E.

Chains

Went, on a two line bet, sec.
27 & 28.

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

Legend rapidly.

40.00 Set a granite stone $18 \times 14 \times 7$ ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face and
paved a ground of stone
alongside.

Set in fracture cable.

46.70 Enter creek bottom cor. N. E.

69.00 Cross creek, 60 lbs. wide cor. N. E.
and ascend.

72.00 Cross point- lvs. N. E. & S. W.
and descend abruptly.

75.00 Cross wash, 34 lbs. wide cor.
N. $70^{\circ} E$.

80.00 Set a granite stone $16 \times 14 \times 7$ ins.

J. 7 S. R. 23 E.

Chamie

11 ins. in the ground for. cor.
to sec. 21-22. 27 & 28 marked
with 2 notches on S. and 3
notches on E. edges and paired
a mound of stone alongside.
It is impracticable from which
A. mesquite 4 ins. in diam. base
S. 14 $\frac{1}{2}$ ° W. 74 lbs. dict. marked
J. 7 S. R. 23 E. S. 28 P. J.

A. mesquite 6 ins. in diam. base
N. 7 $\frac{1}{2}$ ° W. 28 lbs. dict. marked
J. 7 S. R. 23 E. S. 21 P. J.

A. mesquite 5 ins. in diam. base
N. 31° 45' E. 28 lbs. dict. marked
J. 7 S. R. 23 E. S. 22 P. J.

Surface of Mountains.

Soil 4 $\frac{1}{2}$ rote.

Vegetation good grass.
Liberally scattered mesquite

J. J. S. R. 23 E.

Chains

East, on a random line bet.
pees. 22 + 27.

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

Decend.

7.00 across wash; 64 lbs. wide bro.
H. $17^{\circ} E.$ + ascent.

18.00 Top of ridge + decend.

4.000 bet a temporary $\frac{1}{4}$ sec. cor.

50.50 across prairie 200 lbs. wide co.
H. $10^{\circ} E.$ and ascent.

64.00 Top point of spur, bro. H. + S.
and decend.

80.26. Intersect H. + S. line 27 lbs.
S. of cor. to pees. 22-23-26 + 27.
Thence S. run.

$S. 89^{\circ} 48'$ W.P. on a true line
bet. pees. 22 + 27. with same
par.

T. J. S. B. 23 E.

Behavis

40. 13 Set a flint stone 18 x 12 x 7 in.
12 in. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
paved a mound of stone
alongside.

Pits impracticable.

40. 26 The cov. to sec. 21-22-27+28.
Surface $\frac{1}{2}$ mountainous.
Soil $\frac{1}{4}$ calc & rocky
Vegetation good grass.

Warts, on a true line bet. sec.
21+22,

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

5. 00 Ascend from creek bed
8. 00 Top of low spur bro. B. E. & S. W.
14. 00 Descend.

J. J. S. C. 23 C.

Chasico

- 3.000 Foot of low open br. H.C. & S.W.
- 4.000 Set a Granite stone 15-x10x7 ins. 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face and paired a mound of stone alongside.
 Pile impracticable.
- 8.000 Set a Granite stone 15-x10x7 ins. 10 ins. in the ground for. cor. to secos. 15-10-21 & 22 marked with 3 notches on E. & S. edges, and paired a mound of stone alongside.
 Pile impracticable.
 Ho trees in limits.
 Surface of Mountains.
 Soil 4th rate.
 Limbs dense mesquite & greenwood brush.

J. J. S. B. 23 E.

Lehainis

East; on a pseudo line bet.
reco. 15 + 22.

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

Over broken land.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

72.00 loose wash. 30 lbs. wide co. B.
 8° E.

80.16 Intersect B. + S. line 29 lbs.

S. of cor. to reco. 14-15-22 + 33
thence S. W.

S. $89^{\circ}47'$ W. on a true line bet.
reco. 15 + 22. with same pav.

40.08 Set a granite stone $16 \times 14 \times 5$ in.
11 in. in the ground. for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on B. face,
and raised a mound of stone
alongside.

Pits unpracticable from which

J. J. S. R. 23 C.

Lehain

A mesquite 6 ins. in diam. bet.
S. 69° W. 100 lbs. dict. marked
J. J. S. R.

80.16 The cov. to sec. 15-16-21 & 22,
Surface broken.

Soil 4th rate.

Vegetation fair grass,
Limbs dense mesquite &
greasewood brush.

Cont. on a true line bet. sec.
15+16.

Par. 12° 45' E.

descend.

5.00 Gross wach. 58 lbs. wide co. N.E.

40.00 Set a fragili stone 19x12x10 ins.
13 ins. in the ground for 1/2 sec.

T. J. S. R. 23 E.

Chambers

cor. marked $\frac{1}{4}$ on N. face and
paved a mound of stone
alongside.

Pit impracticable.

71.00

Entero creek bottom co. N. E.

74.50

Cross wash. 70 lbs. wide co N. E.

80.00

Set a granite stone $10 \times 10 \times 7$ in.
7 in. in the ground for cor. to
sec. 9-10-15 & 16 marked with
4 notches on S. and 3 notches
on E. edge. and paved a
mound of stone alongside.

Pit impracticable, from which.

A mesquite 3 in. in diam. to

N. 4. N 30 lbs. dist. marked,

T. J. S. R. 23 E. S. 9. B. J.

Surface. perches means

and 4th poles

T. 7 S. R. 23 E.

Lehans

Vegetation poor grass.
 Scrubby dense mesquite &
 Juniper wood brush.

East, on a random line bet.
 secs. 10 & 15.

Var. 12° 45' E.

Ascend.

- 8.00 Enter bed of wash, co. E. by N.E.
 14.00 Cross wash, 42 lbs. wide co. N.E.
 24.00 Leave wash, and ascend.
 40.00 Set a temporary 1/4 sec. cor.
 80.30 Entered N. & E. line 16 lbs. S.
 of cor. to. secs. 10-11-14 & 15.

Thence down.

S. 89° 53' W. on a true line bet.
 secs. 10 & 15. with same var.

J. J. S. R. 23 E.

Behavis

40. 15 Set a granite stone $10 \times 8 \times 6$ ins.
 6 ins. in the ground for $\frac{1}{4}$ sec.
 cov. marked $\frac{1}{4}$ on N. face, deep
 pits $18 \times 18 \times 12$ ins. E. & W. of
 stone $5\frac{1}{2}$ ft. dist. and raised
 a mound of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. back alongside from which
 A. mesquite: 5 ins. in diam. br.
 H. 9' W. 48 lbs. dist. marked
 $\frac{1}{4}$ S. R. J.

80. 30 The cov. to sec. 9-10-15 & 16.
 surface broken
 Soil 3rd rate.
 Vegetation poor grass.
 Timber dense mesquite +
 greasewood brush.

S. 7. S. R. 23 E.

chains

Booth, on a true line bet. sees,
9+10.

Var. $120^{\circ} 42' E.$

Level mesa through dense
mesquite & greasewood brush.

38.00 Second abruptly. Mesa bet. E. & W.

4 000 Set a limestone $13 \times 12 \times 9$ ins.
& ins. in the ground for $\frac{1}{2}$ see.
cov. marked $\frac{1}{4}$ in. W. face dug
pits $18 \times 18 \times 12$ ins. N. & S. of stone
 $5\frac{1}{2}$ ft. dist. and passed a
mound of earth $\frac{1}{2}$ ft. high.
 $3\frac{1}{2}$ ft. base alongside.

72.00 across wash. 38 lbs. wide on N. E.
Over very broken slopes.

80.00 Set a Granite stone $15 \times 13 \times 10$
ins. 10 ins. in the ground for cov. to
sees. 3-4 9+10 marked with 5 rivets.

J. S. B. 23 E.

Behavio

on S. and 3 notches on E. edges
and raised a mound of stone
alongside.

Pile impracticable.

Surface. Mound 38 chs.

Level. 42 chs.

Soil 4th rate.

Vegetation poor grass.

Under. dense mesquite
and greenwood brush.

J. J. S. R. 23 E

No. 689

Chain

East; on a random line bet.
 Pcs. 3. & 10.

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

Descend.

5. 00 across wash 44 lbs. wide co.
 B. $18^{\circ} E.$
36. 00 across gulch. 15-0 ft. deep.
 corner B. 25-0 lbs. wide.
- 4 000 Set a temporary $\frac{1}{4}$ sec. cor.
61. 00 across wash. 30 lbs. wide.
 co. B. E.
- In deep gulch and ascend
 abruptly.
64. 00 Top of bridge brs. B. E. & S. W.
76. 00 across deep ravine 200 lbs.
 wide co. B.
80. 38 Intersect B. & S. line 28 lbs.
 S. of cor. to pcs. 2-3-10 & 11.

J. J. S. R. 23 E.

hains

Thence S. W.

S. 89° 48' W. on a true line bet:
sec. 3+10, with same var.

40. 19

Set a granite stone 13x12x6 in.
9 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on the face &
raised a mound of stone
alongside.

Soil unfructiferous.

80. 38.

The cor. to sec. 3-4-9+10,
surface mountainous & very
broken.

Soil $\frac{4}{5}$ rate alkali.

Vegetation poor grass.

Timber mesquite & greasewood
bush.

J. J. S. B. 23 E.

Lehain

Work on a random line bet:
secs. 3 & 4.

Par. 120.45' E.

Descend.

- 6.00 Cross wash 30 lbs. wide co. N. E.
12.00 Ascend round hill.
16.00 Top of round hill.
21.00 Foot of round hill.
26.00 Cross wash 18 lbs. wide, co. N. E.
40.00 Set a temporary $\frac{1}{4}$ sec. cor.
46.10 Leave slope of mesa bet. E. & N.
and over broken land,
Enter dense brush.
80.20 Intersect N. B. of Sp.
12 lbs. E. of cor. to secs.
3-4-33 & 34 recently established
by me.

Thomas Linn.

S. 7 S. B. 23 E.

Chamie

S. 5' E on a true line bet
secs. 3 + 4 with same val.

40.20

Set a granite stone $12 \times 8 \times 8$ in
8 in. in the ground. for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face and
paved a mound of stone
alongside.

Pile impracticable.

80.20

The cor. to secs. 3-4-9-10.
Surface Mountainous.

Soil $4 \frac{1}{2}$ rate - Alkali.

Vegetation poor grass.

Timber dense mesquite
+ Gambelwood brush.

34 chs.

J. J. S. R. 23 E.

Chambers

From the cov. to pccs. 4-5-32+33,
on S. R. of Tps. recently established
by me & Sam.
Went, on a true line bet. pccs.
32+33.

Par. 12° 21' E.

Descend very rocky slope.

0.00 Set a granite stone 18x11x7 in.
12 in. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
passed a mound of stone
alongside.

Old impracticable

0.00 Set a granite stone 17x12x7 in.
12 in. in the ground, for cov.
to pccs. 28-29-32+33 and
marked with 1 - patch on
S. and 4 notches on E. edges.

J. 7. S. R. 23 E.

Charris

and raised a mound of stone
alongside.

Soil unproductive.

Surface Mountainous & very
broken.

Soil 4th rate & rocky.

Vegetation good grass.

Timber *Thuja* & greenwood
bush.

East, on a random line bet.
secs. 28. & 33.

Var. 12° 26' E.

Descend.

4 0.00
69.00

Set a temporary 1/4 sec. cor.
Cross wash 60 lbs. wide is.
N. & ascend.

J. J. S. R. 23 C.

Lehainis

- 80.14 Intersect N. + S. line 24 lbs.
N. of cor. to sec. 27-28-33+34.
Thence S.W.
W. $89^{\circ} 50'$ N., on a line
bet. sec. 28+33 with same cor.
- 40.07 Set a granite stone $19 \times 14 \times 7$ ins.
13 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face,
and raised a mound of clay
alongside.
Pits impracticable.
Opp. E. slope of spur.
- 80.14 The cor. to sec. 28-29-32+33.
Surface. Mountainous + very
broken.
Soil $\frac{1}{4}$ rate + rocky.
Vegetation good grass.

J. J. S. P. 23 C.

Chamis

Went on a true line bet. sees
28+29.

Par, $12^{\circ} 26' E$.

Ascend.

0.30

Top of spur 700 ft. high.
no. H. $64^{\circ} E$. & S. $64^{\circ} W$. and
descend.

0.00

Set a granite stone $18 \times 14 \times 7$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and
paved a ground of stone alongside.
It's impracticable.

8.00

Enter creek bottom. co. H. E.

64.00

Cross wash 37 lbs. wide co.
H. E. & ascend.

70.00

Top of spur. no. H. E. & S. W.
and descend.

80.00

Set a granite stone $23 \times 13 \times 4$

J. J. S. B. 23 E.

Lehman

vis. 18 vis. in the ground for
cor. to sec. 29-21-28 + 29 marked
with 2 notches on S. and 4 notches
on E. edges, and passed a mound
of stum alongside.

Site impracticable.

Surface Mountainous,
soil 4th rate + rocky.

Vegetation good grass.
Timber Sycamores, + ash
along creek. Mesquite +
Gumwood brush.

East; on a random line bet.
sec. 21 + 28.

Var. 12° 45' E.

Second broken mountain slope.

J. J. S. R. 23. C.

Linnis

- 8.00 Leave same + descend.
- 0.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 80.26. Intersect N. + S. line 34 lbs
S. of cor. to sec. 21-22-27+28.
Thence down.
S. $89^{\circ}43'$ W. on a true line bet.
sec. 21 + 28. with same cor.
- 40.13 Set a granite stone $16 \times 12 \times 7$ ins.
N. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face
and placed a mound of stone
alongside.
Site impracticable.
- 80.26 The cor. to sec. 20-21-28+29
surface N. mountains.
Soil $\frac{4}{5}$ pale + rocky.
Vegetation good grass.
Linnis Mesquite + ground
bush.

J. J. S. R. 23 E

Lehans

South, on a true line bet. sees.
20 + 21.

Var. 12° 45' E.

Decend.

- 7.00 Bottom of cañon, co. N. E. + ascend
- 22.00 Leave cañon co. N. E. + ascend spur.
- 40.00 Set a granite stone 17 x 8 x 5 ins.
13 ins. in the ground for 1/4 sec.
cor. marked 1/4 on W. face, and
raised a mound of stone along side.
Pits impracticable
- 47.00 Decend spur bet. N. E. + S. W.
- 61.00 Foot of spur.
- 78.50 Cross wash 38 lbs. wide co. N. 38° E.
- 80.00 Set a granite stone 15 x 14 x 7 ins.
10 ins. in the ground for cor.
to sees. 16-17 + 20 + 21 marked
with 3 notches on S. and 4 on E. edge.

J. 7. S. R. 23 E. 1

Lehain

and passed a mound of stone
alongside.

Pittsburgville, from which
S. Cottonwood 6 ins in diam.

Loc. No. 78° E. 110 lbs. dist. marked

J. 7. S. R. 23 E. S. 16 P. J.

Surface Mountainous along N. slope
soil 4th rate + rocks

Vegetation Good Grass.

Timber scattering mesquite
& greenwood brush.

Cacl. on a random line bet.
secs. 16 + 21.

Var. 12° 45' E.

Decend.

1. 50

cross wash 41 lbs wide w. N. E.

J. J. S. H. 23 E.

Lehainis

and ascent, along broken N
slope of summit.

- 24.00 Sp. of spur, bet. N. & S. & descent.
40.00 Set a temporary $\frac{1}{4}$ sec. cor.
52.00 Cross mark 40 lbs. wide cor. N. E.
75.00 Cross mark 60 lbs. " " N. E.
80.18 Intersect N. & S. line 18 lbs. S.

of cor. to sees 15-16-21+22.
Thence down.

S. $89^{\circ}52'$ W. on a true line bet.
sees. 16+21. with same var.

- 40.09 Set a granite stone 16 x 14 x 10 ins.
11 ins. in the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. face and
paved a mound of stone
alongside.

It's impracticable

- 80.18 The cor. to sees. 16-17-20+21.

J. J. S. B. 23 E.

Cham

Surface Mountainous.
 Soil $4\frac{1}{4}$ pale + rocky.
 Vegetation good grass.
 Timber pe. altering mesquite
 + Jacaranda shrub!

Wells on a true line bet. nos
 16 + 17.

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

Ascend.

46.00

Set a Granite stone $13 \times 10 \times 5$ ins.
 8 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on W. face and
 raised a mound of stone
 alongside
 Pits unpredictable.

47.20

Across wash 22 lbs. wide co.

J. J. S. R. 23 E.

Beham

36 28° E.

5950 cross wash 4.2 lks. wide ca. 76 E.

8000 set a granite stone 15" x 10" x 4" in

10 ins. in the ground, for cor.

to sec. 8-9. 116 + 17 marked
with 4 notches on S. & E. edges.

Dug pits 18 x 18 x 12 ins. in

each sec. 5 1/2 ft. dist. and

raised a mound of earth

2 ft. high, 4 1/2 ft. base along side

surface following mesa,

fall 4 1/2 rods.

Vegetation poor grass.

Timber scattering mesquite

+ grasswood brush.

7-1 J. B. 23 C.

Chassis

East, on a random line bet. cees.
9-16.

Var. 12° 48' E.

Once rolling mesa.

40.00

Set a test survey 1/4 sec. cor.

79.80

Intersect - H. & S. line 26 lbs. S.
of cor. to cees. 9-10-15 & 16.

Thence In. W.

S. 89° 49' W. on a true line
bet. cees. 9 & 16 with same var.

89.90

Set a granite stone 27 x 18 x 9 ins.
21 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face and
raised a mound of stone
alongside.

Pit. impenetrable

79.80

The cor. to cees. 8-9-16 & 17.
Surface rolling mesa.

J. J. S. R. 23 E.

Chamiso

Soil $4\frac{1}{2}$ rate.

Vegetation good grass.

Timber some mesquite &
 Greasewood brush.

Cont. on a line line bet. sec.
 8 + 9.

Par. 12038' E.

Over mesa.

40.00 Set a Granite stone $17 \times 12 \times 6$ in.
 12 in. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face. Aug
 pits: $18 \times 18 \times 12$ in. N. - S. of
 stone: $5\frac{1}{2}$ ft. diam. and raised
 a mound of earth: $1\frac{1}{2}$ ft. high.
 $3\frac{1}{2}$ ft. base alongside.

5-6.00 E. edge of mesa No. N.E. & S.W.

J. J. R. 23 E.

Lehman

- and descend abruptly.
- 63.00 Cross wash, 24 chs. wide to N 60° E.
and ascend.
- 78.50 Top of ridge bet. E. & W. - descend.
80.00 Set a granite stone 19 x 12 x 7 in.,
13 in. in the ground for cor.
to sees. 4-5-809 marked with
5 notches on S. and 4 notches
on E. edges, and passed a
ground of stone along grade.
Climb impracticable.
Surface. Mountains 24 chs.
Level 56 chs.
Soil 4th salt.
Vegetation poor grass.
Timber Hence mesquite
& greasewood brush, 56 chs.
& scattering on slope.

J. J. S. K. 23 C.

Chassis

Exact on a random line bet. sec.
4 + 9.

Par. $12^{\circ} 38' E.$

Over low broken ridges.

8.00 Cross wash, 20 lbs. wide cor.
S. E. + ascend.

37.00 Highest point of ridge + descent.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

48.00 Cross wash, 22 lbs. wide cor.
N. E.

79.92 Intersect N. + S. line 28 lbs. S.
of cor. to sec. 3-4-9 + 10. Thence
down.

S. $89^{\circ} 48'$ W. on a true line bet.
sec. 4 + 9. with same cor.

39.96 Set a Leunegline $14 \times 8 \times 6$ in.
10 in. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face.

J. J. S. R. 23 E.

Lehman

and passed a mound of stone
alongside.

Path impracticable.

79.92

The cor. to secs. 14-5-8 & 9.
Surface Mountainous.

Soil 4th rate, some alkali.

Vegetation poor grass.

Timber scattering mesquite
& greasewood brush.

Cont. on a prairie line bet.
secs. 4 & 5.

Par. 12° 38' E.

ascend.

16.00

Top of ridge 500 ft. high.
br. E. & W. descend.

40.00

Set a temporary 1/4 sec. cor.

T. J. S. R. 23 C.

Chains

- 47.50 Cross each 32 lbs. wide co. H. C.
and ascend mesa abruptly.
- 53.00 Top of mesa.
- 80.38 Entered N. By. of Sp. 38 lbs.
O. of cor. to sec. 4-5-32+83.
recently established by me.
Thence down.
S. 16' E. on a true line bet. sec.
4+5. with same var.
- 40.38 Set a granite stone 12x9x7 in.
8 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face and
paved a mound of stone
alongside.
Ditto impracticable.
- 80.38 The cor. to sec. 4-5+8+9
Surfaw Mountains + broken $\frac{1}{2}$.
Soil 4th rate

J. 7. S. R. 23 E.

Chassis.

Vegetation good grass.
 Limboe dense mesquite &
 Jacaranda bush.

carefully examined the
 adjustments of my solar
 apparatus today, particularly
 the latitude and perpendicular
 apparatus & found them
 correct.

S. y. S. N. 23 E.

Behavir

From the cor. to sec. 5-6-31+32,
on S. By. of Tps. recently established
by me, Jan.

Went on a true line bet. sec.
31+32.

Var. $12^{\circ} 26' E$.

Proceed along E slope of
rough mountain.

40.00 Set a granite stone $18 \times 14 \times 8$
ins. 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W.
face and placed a mound
of stone alongside.

Pile imperishable.

64.00 Cross mark, 24 lbs. wide. W. E.

80.00 Set a granite stone $16 \times 11 \times 9$ ins.
11 ins. in the ground for cor. to sec.
29-30-31+32 marked with 1 rod

J. J. S. R. 23 E.

Charris

on S. and 5 notches on E. edges.
and raised a mound of stone
alongside.

Pile impracticable from which
A cedar, 6 ins. in diam. has
N. 36° E. 100 lbs. dist. marked

J. J. S. R. 23 E. S. 29 P. S.

No other trees within limits.

surface Mountainous.

Soil 4th rate & rocky.

Vegetation Good grass.

Two scattering oak & cedar

Cact. on a narrow line bet-
wees. 29 + 32.

Var. 12° 36' E.

Ascend.

J. 7. S. R. 23 E.

Chassis

- 1.00 Top of rocky ridge 800 ft. high.
W. N.
- 16.00 Cross wash, 18 lbs. wide. co. N.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 44.00 Cross wash, 25 lbs. wide co. N.
- 63.00 Top of rocky ridge 500 ft. high.
W. N.
- 80.14 Intersect N. & S. line 19 lbs. S.
of cor. to secs. 28-29-32 & 33.
Thence S. run.
S. $89^{\circ} 52'$ W. on a true line bet.
secs. 29 & 32 with same var.
- 40.07 Set a granite stone $16 \times 8 \times 7$ ins.
10 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ m. N. face and
poured a mound of stone alongside
it to impracticable
- 80.14 The cor. to secs. 29-30-31 & 32.

J. J. S. R. 28 E.

Chassis

Surface Karstian.
 Soil $4\frac{1}{2}$ ft. rather rocky.
 Vegetation fine grass.
 Timber Oak, Gum, and
 and Walnut along creek.
 scattering oak & cedar
 elsewhere.

West, on a random line bet.
 sec. 30 & 31.

Bar. $12^{\circ} 26' C.$

Descend abruptly.

35.00 Cross creek, 30 lbs. wide cr. N.W.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

54.00 Ascend abruptly.

78.40 Entered W. Bdy. of Tp. 32th.
 N. of cor. to Secs. 25-30-31 & 36.

J. J. S. K. 23 E.

Charris

recently established by me,
Theresa Ann.

N. 89° 46' E. on a true line bet.
secs. 30 + 31. with same cov.

37.40 Set a granite stone 17 x 8 x 7 ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on N. face and
raised a mound of stone
alongside.

Pile impracticable.

78.40 The cov. to secs. 29-30-31 + 32.
Surface Mountainous.

Soil $4\frac{1}{2}$ in. soil + rocky.

Vegetation fair Grass.

Timber scattering oak. + cedar.

Ty. S. R. 23 E.

Lehans

North, on a true line bet. sec
29 & 30.

Par. 12° 26' E.

Descend rapidly.

40.00

A granite stone in place 24
ft. above ground, which
I marked with a + at exact
cor. point for 1/4 sec. cor.
and placed a mound of
stone alongside.

It's impracticable.

50.00

cross wash 40 lks. wide. so.

N. E. and ascend.

65.00

Top of ridge has N. E. + S. W.
and descend.

80.00

Set a granite stone 13 x 12 x 7 ins.
9 ins. in the ground for cor.
to sec. 19-20-29 & 30 marked

J. 7. S. R. 23 E.

chain

with 2 notches on S. and 5 on
E. edges, and passed a mound
of stone alongside.

Site unpracticable.

Surface. Mountainous
Soil $\frac{1}{4}$ to $\frac{1}{2}$ rate & rocky.

Vegetation Good Grass.

Timber scattering oak & cedar.
Some Lycamwood along wash.

Cast on a random line bet.
Secs. 20 & 29.

Par. $120^{\circ} 45' E$.

10.00 Descend.

21.50 Cross wash. 30 lbs wide co. N.
and ascend.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

J. J. S. R. 23 E.

Lehans.

- 52.00 Top of spur 600 ft. high.
to N. E. + S. W. + descend.
- 76.00 Cross Canine co. N. E. + ascend.
- 80.50 Intersect N. + S. line 18 lbs.
N. of cor. to recs. 20-21-28 + 29
Thence down.
to $89^{\circ}52'$ W. on a type line
bet. recs. 20 + 29 with same
rav.
- 40.25 Set a Granite stone $17 \times 13 \times 5$
ins. 12 ins. in the ground, for
N. rec. cor. marked $\frac{1}{4}$ on N. face
and placed a mound of
stone alongside.
Pts. unobstructible.
- 80.50. The gov. to recs. 19-20-29 + 30
surface boundaries.
Soil rocky. 4th rate

J. J. S. R. 23 E.

Charris

Timber scattering, mesquite
+ greasewood brush.
Vegetation good grass

West, on a random line bet. sec.
19 + 30.

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

3.00 Descend.

13.00 Cross ravine co. N. E. + ascend.

28.00 Top of spur. bet. N. E. + S. W.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.

68.00 Cross ravine of. N. E. + ascend

78.43 Indirect N. By. of Sp. 24 lbs.
S. of cor. to sec. 19, 24-25 + 30,
recently established by me.
Thence down.

S. $89^{\circ} 50' E$. on a true line.

T. J. S. R. 23 E.

Charris

38.43 Set: sees. 19 + 30 with same vac.
 Set a granite stone $13 \times 12 \times 8$ in.
 9 in. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 alongside.

Pills impracticable.

78.48 The cor. to sees. 19-20-29 + 31.
 Surface Mountainous.
 Soil $\frac{4}{5}$ rate + rocky.

Vegetation Good Grass
 Thickets scattering mesquite
 + greasewood

J. J. S. R. 23 E.

Beham

Route on a true line between
19 & 20.

Var. $12^{\circ} 26' E.$

Descends Bl. slope.

11.00 Set a granite stone $13 \times 12 \times 7$ ins.
8 ins. in the ground. for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W. face
and placed a mound of stone
alongside.

Partly impracticable

11.00 Leaves mountain slope and
enters dense brush.

14.00 Cross wash, 24 lbs. wide w. Bl. E.

8.00 Set a granite stone $18 \times 12 \times 7$ ins.
12 ins. in the ground for. cor. to
faces 17-18-19 & 20 marked with
3 notches on S. and 5 notches on
E. edges. & placed a mound of.

J. y S. H. 28 E

lands

stone alongside

Pito impracticable.

Surface. Mountainous 7' ch.

Level. 9' esp.

Soil 4th rate + rocky.

Vegetation Fair grass.

Timber dense frequent

Greenwood brush. 9' ch.

East on a parallel line bet.

secs. 17 + 20

Par. 12° 26' E.

Descend,

- 00.00 across wash 30 lbs. wide, co. N. E.
- 6.00 Top of spur. No. S. + descend
- 18.00 Ascend
- 20.00 Set a temporary 1/4 sec. cor

J. J. S. R. 23 C.

hairs

- 19.50 Intersect N. + S. line 20 lbs.
 S. of cor. to secs. 16-17-20 + 21,
 Hence same.
 S. 8905'. N. on a true line
 bet. secs. 17 + 20 with same vac.
- 9.78 Set a granite stone $19 \times 12 \times 4$ ins.
 13 ins in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on N. face
 and paired a mound of
 stone alongside.
 Pits unproductive.
- 19.50 The cor. to secs. 17-18-19 + 20.
 Surface of mountains + broken
 soil 4 $\frac{1}{4}$ rate.
 Vegetation fair grass.
 Timber dens. mesquite +
 Gambelwood.

J. J. S. R. 23 E.

Helianis

Went on a random line bet.
secs. 18 + 19.

Pas. $12^{\circ} 26' E$.

Ascend gradually.

44.00 Set a temporary $\frac{1}{4}$ sec. cor.

46.00 Descend.

54.00 Cross prairie co. N. E. & ascend.

78.00 Leave same.

Edge of mesa.

78.35 Intersect W. B. of Sp. 34 lbs.
C. of cor. to secs. 18-19-24
recently established by me.
Thence down,

N. $89^{\circ} 45' E$. on a true line bet.
secs. 18 + 19. with same pas.

38.35 Set a granite stone $10 \times 14 \times 10$
ins. 10 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N

J. J. S. R. 23 E.

Lehans

face & passed a mound of stone
alongside.

Site impracticable

78.00

The cor. to sec. 17-18-19 & 20.

Surface Mountainous.

Soil 4 $\frac{1}{2}$ rates.

Vegetation Fair grass.

Timber dense mesquite &
greenwood brush.

North, on a true line bet. sec. 17-18.
Cor. 12° 28' 01"

Over broken rock.

25.00

Lease each 24 lbs, wide cor. N. E.

40.00

Set a granite stone 19x17x10 ins.
Bene. to the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and

J. J. S. R. 23 E.

Chains

passed a mound of stone
alongside.

Pile impracticable.

8 000 Set a Granite stone $14 \times 12 \times 7$ in.
8 in. in the ground for cor. to
secs. 7-8-17-18. marked with
4 notches on S. and 5 notches
on E. edges and passed a
mound of stone alongside.

Pile impracticable.

Surface broken.

Soil 4 $\frac{1}{2}$ rate.

Vegetation fair grass.

Timber. A few Mesquite +

Yucca wood brush.

J. J. S. R. 23 C.

Lehman

East: on a parallel line bet.
secs. 8 + 17.

Var. $12^{\circ} 26' E$.

Over rolling mesa.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.
79.78. Intersect N. & S. line 15 lbs.
N. of cor. to secs 8-9-16+17.

Three Irons.

N. $89^{\circ} 54'$ W. on a true line
bet. secs. 8 + 17. with same var.

39.89 Set a granite stone $15 \times 13 \times 10$ ins.
10 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, dug
pit to $18 \times 18 \times 12$ ins. E. & W. of stone
 $5\frac{1}{2}$ ft. dist. and placed a
round of pipe, $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base diameter.

S. of S. R. 23 E.

basis

9.78 The cor. to secs. 7-8-17-18.
 Surface polling mesa.
 Soil 4th rate.
 Vegetation poor grass.
 Timber dense mesquite &
 greasewood brush.

Well on a pasture line bet.
 secs. 7 & 18.

Par. 12^o 26' E.

Over polling mesa.

6.00 Some wash 30 lbs. wide co. R. E.

40.00 Set a temporary 1/4 sec. cor.

78.34 Intersect W. Bdy. of Tpk 33 lbs.

S. of cor. to secs. 7-12-13-18

recently est. blushed by me
 Sheld. Ann.

S. 7. S. R. 23 E.

Behavio

S. 89° 46' E. on a true line bet.
pts. 7 + 18 with same vac.

38. 34. Set a granite stone 10 x 10 x 8 in.
5 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face,
and passed a mound of
stone alongside.

Pts. unaffordable.

48. 34. The cor. to rear. 7-8-17-18.
Surface following mesa.
Soil + rate.

Vegetation poor grass.

Timber dense: Sycamore
+ greenwood brush.

J. J. S. P. 23 E. 1

harris

Point on a true line bet. sees
7+8.

Var. $12^{\circ} 26' E.$

Over polling mesa.

1. 00 Level walk 30 lbs. wide co. 36 E.
and ascend.

5. 00 Entire breaks of mesa + descent.

4 00 Set a granite stone $13 \times 12 \times 8$ ins.
8 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,
Aug. pits: $18 \times 18 \times 12$ ins. 36. S.
off stone. $5\frac{1}{2}$ ft. dia. and paved
a mound of earth. $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. base alongside
Open broken mesa.

50. 00 Set a granite stone $15 \times 10 \times 8$ ins.
10 ins. in the ground for cor.

J. J. S. N. 23. E.

Lehavi

to recs. 5-6-7+8, marked with
5 notches on S. & E. edges, and
paved a surround of stone alongside.

Pls. unfermentable

Surface Area 35 chs.

M. montagninis 45 chs.

Soil 4th pale.

Vegetation poor grass.

Includes some mesquite +

Juniper 35 chs.

East: on a random line bet.
recs. 5+8.

Bar. 12° 26' E.

Over broken mescal.

40.00 Set a temporary 1/4 rec. cov.

J. J. S. R. 28 C.

Lamis

- 4.00 Highest point on Mecca and
 descend.
 Mecca hrs. N. W. + S. E. + descend.)
- 4.00 Cross prairie co. N. E.
- 80.30 Intersect N. + S. line 20 lbs.
 S. of cor. to sees 4-5-8 + 9.
 Thence S. W.
 S. $89^{\circ} 32'$ W. on a true line bet. sees
 5 + 8 with same var.
- 40.15 Set a granite ^{stone} $10 \times 8 \times 8$ ins. 5 ins.
 in the ground, for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. face. de. q. pit:
 $18 \times 18 \times 12$ ins. C. + W. of stone, $5\frac{1}{2}$
 ft. dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft.
 base along center
- 80.30 The cor. to sees. 5-6-7 + 8.

J. 7. S. R. 23 E.

Lehmanis

Surface fl. mountainous + very broken.
 Soil 4th pat. J
 Vegetation poor grass.
 Timber scattering mesquite
 + greenwood brush.

Well: on a random line bet.
 sec. 6 + 7.

Par. 12° 26' E.

Over broken mesa,

- 40.00 Set a temporary 1/4 sec. cor.
- 68.00 Top of mesa thro. S. E. & S. W.
- 75.00 Descend from mesa.
- 78.00 Cross wash, 20 lbs wide cor. S. E.
 + ascend.
- 78.12 Intersect W. By. of Tps. 27 lbs.
 S. of cor. to sec. 6-7000.

J. J. S. K. 23 E.

recently established by me.
 Thence S. 89° 48' E. on a true line bet.

secs. 6 & 7. with same cor.

8. 12. Set a granite stone 12x12x4
 ins. 8 ins. in the ground for 1/2 sec.
 cor. marked 1/4 on N. face.
 Ang. bet. 18x18x12 ins. E. & W.
 of stone, 5 1/2 ft. dist. and
 passed a mound of earth
 1/2 ft. high, 3 1/2 ft. base along side
 8. 12. The cor. to secs. 5-6-7 & 8.
 Surface of mountains.
 Soil 4th calc.

Vegetation Good grass
 Timber scattering brush.

J. J. S. R. 23 E.

Chassis

Went on a pandora line bet;
secs. 5 + 6.

Wav. 12° 32' E.

Very broken descent;

17.50 across track 35 lbs. wide co. E.
and ascend abruptly.

26.00 Top of mesa, 160 ft. high, bet
H. E. & S. W.

40.00 Set a temporary 1/4 sec. cor.

55.00 descend abruptly.

58.00 across track 26 lbs. wide co. N. E.
Ascend abruptly.

65.50 across rough point & descend abruptly.

77.00 across track 75 lbs. wide co. N. E.

80.14 Intersect H. E. of Sp. 17 lbs. E.
of cor. to secs. 5-6-31 + 32,
recently established by me.
Thence down.

S. 7 S. B. 23 E. 1

Charris

S. 7 E., on a true line bet. sees
5+6 with same var.

0. 14. Set a granite stone $15 \times 9 \times 8$ ins
10 ins. into the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face.
Dug pits $18 \times 18 \times 12$ ins. N. & S.
of stone. $5\frac{1}{2}$ ft. diam. & raised
a mound of earth $1\frac{1}{2}$ ft. high,
 $3\frac{1}{2}$ ft. back along side.

0. 14 The cor. to sees 5-6-7 & 8.
Surface of *Acrotaphus*.
Soil 4th rate.

Vegetation poor grass.

Timber scattered mesquite brush.

X
I carefully examined the adjustment
of my solar compass today, particularly
the latitude & reversing apparatus.

J. J. S. R. 23 E.

Cham's

and found them correct.

General Description

J. J. S. R. 23 E. lies on the North slopes of the Pinaleno Mountains, with the N. W. cor. resting on the mesa, leading up to the Santa Teresa Mts. The N. W. cor. is very broken. From the mesa to the valley is an average dip of from 150 to 175 ft. The course of this valley is N. E. and varies from one to two or more miles in width; the south side of the valley again.

J. J. S. K. 23 C

pieces in very broken swells,
 & ridges. to the mesa south,
 which is an arroyo of 200 ft.
 or over, above this valley, passing
 as it goes south. at first
 gradually, then more rapidly
 and finally abruptly into the
 Pinalis mountains on the
 west end of the S. Ry. passing
 over one of the highest points
 of said mountain.

The mesa & valley are for
 the most part covered with
 a dense growth of mesquite
 & greasewood brush, and
 various varieties of the cacti
 family.

In the breaks of the mesa

J. J. S. R. 236.

on the N. side, considerable
lyricline crops out, and on
the south side, the breaks show
Alkali strongly.

It has been a very dry season
and the grass does not show
well in the valley, but on the
mountains & foot hills, there is
a very good growth, and an
abundance of fine water.
There is but little quartz &
that scattering.

Over the foot hills & well
up the mountains, there is a
fair growth of oak, and along
several of the streams *Pyrola*
oak, walnut, Cottonwood & Willow.
While on the tops of the mountains

J. J. S. R. 23 C.

is a very fair growth of Pine
 The Mormons have a saw mill
 about three miles S. of the C.
 part of the Sp. with which
 the road there shown, connects
 to Perina, or, as is commonly
 called Smithville.

The improvements of J. B. Collins
 the depositor are in the S.E. $\frac{1}{4}$
 of the N.E. $\frac{1}{4}$ of sec. 1. and
 consist of a stone foundation
 for his house. Double adobe
 corral opening, ditches, & pump
 & trough, for water.

Final Oaths for Surveys.

BOOK 107
689

LIST OF NAMES.

BOOK 689

A List of the Names of Individuals employed by
Lewis Haffey 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 Extensions + Sub Divisions
of T^h 7 S. R. 23 E.

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

Gilbert H Rhodes Marker.

Pedro Domingo Moundman

Edwint K. Nealy Flagman

Frank Morris Chairman

Albino Sais Chairman

138
110
-29

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.

Lewis Halden
U. S. Deputy Surveyor.

Subscribed and sworn to before me, this *8th*

day of *August* 1884

John W. Gray
Notary Public.

BOOK 689



U. S. Surveyor General's Office,

Tucson, Arizona,

Sept 9

1884

The foregoing Field Notes of the Survey of the

Subdivision lines of
Township 7 South
Range 23 East

Of the Gila and Salt River Base and Meridian, Arizona, execu-

ted by

Lewis Wolfley

Deputy Surveyor, under his contract of the

12th

day of

May

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

Royal A. Johnson
Surveyor General.