

Letter Compared
No-81

Field Notes

OF THE SURVEY OF THE

Subdivisions

-OF-

Township *10 N* Range *3 E*

Gila and Salt River Base and Meridian

ARIZONA.

By *Lewis Wolfley* D.S.

Under contract dated *Feb 28th* 1884

Survey commenced *April 10th* 1884

Survey completed *April 22nd* 1884

81

Induced

No-81

1A

For preliminary notes and
description of instrument see
Book No. 1. survey of
Isteris.

No-81

Subdivision Lonic

F

J. 10 96

B. & E.

G. and J. P. M.

10

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BOOK 81

Township 10

10

Range

3E

Gila and Salt River Meridian.

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Referring the lines to the pages of the field notes.

T. 10 N. R. 3 E. T³ 4. S. R. N.

Claims

From the cor. to sec. 1-2-35+36 to
S. By. of $\frac{1}{4}$ recently established
by Mrs. Green.

North bet. sec. 35+36.

Var. $13^{\circ} 51' E.$

Ascend.

4 000 On Lodge. Set a Volcanic
stone $14 \times 12 \times 8$ 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.

Pile impracticable

Descend.

8 000 Set a Granite stone $12 \times 10 \times 8$ ins
6 ins. in the ground for cor. to
sec. 25 26 35+36, marked with
1 notch on S, and 1 notch on E.
edge. dug pits, $18 \times 18 \times 12$ ins
in each sec. $5\frac{1}{2}$ ft. dia, and
raised a mound of earth, 2 ft.
high, $4\frac{1}{2}$ ft. base alongside.

J. W. R. & Co. Gen. S. R. N.

chain

Surface. Mountainic mesa.
S. - North half. 3rd rate.
South half 4th rate.
Vegetation Good Grass.

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

Par. 13° 5-1' E.

Ascend.

- 4000 Set a temporary 1/4 sec. cor.
- 5000 Descend.
- 56.00 Cross road bet. N.W. + S.E.
- 65.00 Ascend.
- 79.76 Intersect E. By. of Sp. 14 lbs.
- 11 S. of cor. to sec. 25-30-31 + 36.
recently established by me. from
which corner I run.
S. 89° 5-4' W. on a true line bet. sec.
25 + 36 with same var.

S. 10 N. P. 3 E. G. S. P. No

Charris

39.88 Set a Polcanic stone $17 \times 8 \times 6$ ins,
11 ins. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W face. and
raised a mound of stone along
side.

Site impracticable.

79.76 The cov. to sec. 25-26-35+36
Surface of Mountainsides present.
Solid Rocky + ^{the} $\frac{1}{4}$ rate.
Vegetation of good grass.

April 15th 1884.

North, bet. sec. 25 + 26.

Par. $13^{\circ} 51' E$.

Descend

40 across Arroyo, course N. W. and
ascend.

40.00 Set a Polcanic stone $18 \times 10 \times 8$ ins

J. 10 N. P. 3 E. G^{2d} S. R. N

Chassis

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.
Pit is impracticable
Ascend.

8000 Set a Polycyclic stone $16 \times 8 \times 6$ ins.
10 ins. in the ground, for cov. to
sec. 23-24-25+26, marked with
2 notches on S. and 1 notch on E.
edges, and raised a mound of
stone alongside.

Pit is impracticable.

By Arroyo corner N.

Surface Mountainous mesa.

Soil Rocky - 4th rate.

Vegetation Good grass.

T. 10 N. R. 3 E. G. 4 S. R. M.

Behavio.

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

Var. 13° 51' E.

Ascend

- 39.00 Top of ridge 300 ft. high, bet. N. E. 1/4 and S. W. and descend
- 40.00 Set a temporary 1/4 sec. cor.
- 46.00 Cross South Clopper creek, 10 lbs. wide course N. W. & ascend
- 60.00 Enter Meisa, bet. N. E. 1/4 & S. W.
- 79.80 Intersect E. By. of Twp. 12 lbs. S. of cor. to sec. 19-24-25 + 30 recently established by me, from which I cor. Inuv.
- S. 89° 55' W. on a true line bet. sec. 24 + 25 with same var.
- 39.90 Set a volcanic stone 15 x 9 x 6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face, and raised a mound of stone alongside.

J. 10 H. R. 3 E. Grd S. R. N.

Lehans

Pit^o impracticable.

79. 80

The cor. to recs. 23-24-25+26.
 Surface. Mountainous mesa.
 Soil. - East half 3rd/₄ pale
 West half 4th/₇ pale.
 Vegetation Good Grass.
 & a few brush.

—————

North, bet. recs. 23 + 24.

Par. 13° 51' E.

Ascend.

40.00

Set a Volcanic stone 10 x 10 x 7 in.
 6 in. in the ground for 1/4 sec. cor.
 marked 1/4 on W. face, and pass
 a pound of stone alongside.

Pit^o impracticable.

Descend.

56.00

cross South Copper creek 15-20
 wide course N. W. and ascend.

J. H. B. & E. G. S. B. M.

Chama

- 67.00 Descend abruptly.
 70.00 Cross Copper Creek, 15-lks. wide,
 comes W. and ascend.
 80.00 Set a Polynian stone $17 \times 8 \times 4$ ins
 11 ins in the ground, for cor. to
 recs. 13-14-23 & 24 marked with
 3 notches on S. and 1 notch on
 E. edge, and placed a row
 of stone alongside.
 Site unperceptible.
 Surface Mountainous mss.
 Soil Rocky & $\frac{1}{2}$ pale.
 Vegetation Good grass.

East on a random line bet. recs.
 13 & 24,

Var. $14^{\circ} 21' E.$

Descend.

18.00 Cross Copper creek, 15-lks. wide

J. 10 N. B. & E. G. 2d S. B. N

lehasis.

corner S. E. and ascend.

4 0 00
80. 08

Set a temporary $\frac{1}{4}$ sec. cor.
Intersect E. Pt. of Sp. 12 lbs.
H. of cor. to sec. 13-18-19 + 24,
recently established by me, from
which corner I

B. $89^{\circ} 55' W.$ on a true line bet.
secs. 13 + 24. with same var.

4 0 04

Set a Polcapic stone $18 \times 18 \times 6$ in.
12 in. in the ground for $\frac{1}{4}$ sec.
cor., marked $\frac{1}{4}$ on N. face, and
raised a mound of stone alongside.
Pit impracticable.

80. 08

The cor. to secs. 13-14-23rd & 24.
Surface. Mountainous mesa.
Soil Rocky. 3rd rate.
Vegetation Good Grass,
Hick, Sugar maple, Cottonwood
along creek.

T. 10 N. R. 3 E. Gr. S. R. M.

Lehans

North bet. sec. 13 & 14.

Par. 14° 21' E

Ascend

23.00 Top of ridge 200 ft. high,
bet. S. E. and N. W. and descend

40.00 Set a Polkovic stone 18 x 10 x 5
ins. 12 ins. in the ground, for 1/1,
rec. cov. marked 1/4 on W. face,
and paired a mound of stone
alongside.

Path impracticable.

45.00 Cross fence

70.00 Cross pond bet. N. W. & S. E.

80.00 Set a Polkovic stone 17 x 9 x 7 ins.
11 ins. in the ground, for cov. to
secs. 11-12-13 & 14, marked with
4 notches on S. and 1 notch on E.
edges, dug pits, 18 x 18 x 12 ins. in
each sec., 5 1/2 ft. diam., and paired
a mound of earth, 4 ft. high, 4 1/2 ft.

T. 10 N. R. 3 E. G. 3^d S. R. 10

chains,

by a alongside.
 Surface Mountainous mesa.
 Soil - Rocks - 4th rate.
 Vegetation Good grass.

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

Par. $14^{\circ} 21' E$.

Descend

- 4000 bet. a temporary $\frac{1}{4}$ sec. cor.
 68.00 Cross Bishop's creek 10 lbs. wide
 course S. and ascend.
 80.14 Intersect E. By. of Twp. 15-lbs.
 W. of cor. to sec. 7-12-13-18
 recently established by me, from
 which corner I run S
 N. $89^{\circ} 54'$ W. on a true line bet.
 sec. 13 + 13 with same var.
 4007 At volcanic stone in place.

T. 10 N. R. 3 E. Grd S. R. N

chains

36 x 18 x 18 ins. above ground, which I mark $\frac{1}{4}$ m W. face, and a (+) cross, at exact corner point for $\frac{1}{4}$ sec. cor, and placed a mound of stone alongside.

Pipe impracticable.

50. 14

The fort. to sec. 11-12-13+14
 surface, *Montana* mica.
 Soil Rocky. $\frac{1}{4}$ th rate.
 Vegetation good grass.

Route bet. sec. 11 & 12.

Par. $14^{\circ} 24' E$

cross Meca.

11. 00 Edge of canon and descend
 38. 50 cross. Little Squaw Creek. 15-20 ft.
 wide, course W
 39. 00 across road bet. E. & W.
 40. 00 Set a Polcanis stone 20 x 14 x 10
 ins. 14 ins. in the ground, for $\frac{1}{4}$.

T. 10 N. R. 3 E. G. 2 S. R. 10.

Lehans.

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

Pit impracticable.

Ascend.

Mr. Cyrus. house bro. N. 6 chs.

65.00

Edge of rolling mesa.

80.00

Set a Polcomb stone 14 x 12 x 6 ins.

8 ins. in the ground for cov. to recs.

1-2-11+12 marked with 8 notches
on S. and 1 notch on E. edges.

and raised a mound of stone
alongside.

Pit impracticable.

Surface Mountainic mesa.

Soil Rock, 4th rate.

Vegetation Fair Grass.

Sh., Cottonwood and Sycamores
along creek.

T. 10 N. R. 3 E. T² S. R. 10

chains

East on a random line bet;
secs. 1 + 12,

Var. $14^{\circ} 24' E$.

Decend.

34.00 Edge of canon, 2nd descent
37.00 Cross Arroyo, corner S. W. and
ascend.

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

80.18 Intersect E. Fly. of T^r. 22 lbs.
W. of cor. to secs. 1-6-7 & 12.
recently established by me.
From which cor. Descend.

B. $89^{\circ} 51' W$. on a true line bet;
secs. 1 + 12 with same var.

40.09 A. Volcanic stone $36 \times 18 \times 18$ ins.
above ground in place which
I mark $\frac{1}{4}$ on N. face and a +
cross at exact corner point for
 $\frac{1}{4}$ sec. cor. and raised a mound
of stone alongside

T. 10 N. 3 E. G. 2d S. R. 16

Lehman's

80. 18 Pits impracticable.
 The cor. to sec. 1-2 7 11 + 12.
 surface, N. and given mea.
 Salt Rocky, 4th rate.
 Vegetation good grass.

Wrote on a random line bet. sec.
 1 + 2.

Par. 14024' E.

Decend.

5. 00 Cross Square creek course W. + ascend.
 40. 00 Set a temporary 1/4 sec. cor.
 69. 83 Intersect N. By. of Twp. 10 lbs. W.
 of cor. to sec. 1-2-35 + 36 recently
 established by me, from which cor.
 Ings.

S. 4' W. on a true line bet. sec. 1 + 2,
 with same var.

29. 83 Set a Volcanic stone 17 x 9 x 5 ins.
 11 ins. in the ground for 1/4 sec.

T. 18 N. B. 3 E. G. 2nd S. R. 10

Chain.

cor. marked $\frac{1}{4}$ on N. face, and
 passed a mound of stone alongside.
 Site impracticable.

69, 83 The cor. to sec. 1-2-11+12,
 Surface, Montanainic base.
 Soil Rocky 4th rate.
 Vegetation Good grass

J. 10 W. B. & E. C. ² and S. B. M

Behavio

From the cor. to pccs. 2-3-34+35
on S. By. of Sp. recently established
by med. Iron.

Wants bet. pccs. 34+35:

Nov. 13th 51 '6.

Ascend.

40.00

Selt a Polesian stone 14x8x5-
ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face, dug pits
18x18x12 ins. N. & S. of stone $5\frac{1}{2}$
ft. dist. and paired a mound
of earth $\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base.
alongside.

80.00

Selt a Polesian stone 12x10x5-
ins. 8 ins. in the ground for cor. to
pccs. 26-27-34+35 marked with
1 notch on S. and 2 notches on E.
edges, and paired a mound of
stone alongside.
Pits impracticable

T. 10 N. R. 3 E. G. 2d S. R. 10

Lehans

Ascend.

Surface Mountainous mesa.
 Soil Rocky - 4th rate.
 Vegetation Good Grass.

April 16th 1884

Cast; on a random line bet. sec.
 26. + 35.

Pos. 13° 5-1 E.

Ascend.

4000 Set a temporary $\frac{1}{4}$ sec. cor.
 79.92 Intersect - W. + S. line 5 lbs. S. of
 cor. to sec. 25-26-35+36. Then W. Pos.
 S. 89° 5-8' W. on a true line bet. sec.
 26 + 35. with same var.

39.96 Set a volcanic stone 18x14x12 ins.
 12 ins. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ with face, and

T. 10 N. R. 3 E. C. 20 S. R. M.

Chaine

raised a mound of stone alongside.
Pito impracticable.

79.92

The cov. to sec. 26-27-34+35.
Surface: Mountainous mesa
Soil $\frac{1}{4}$ pale.
Vegetation Good grass.

Went. bet. sec. 26+27
Bar. $13^{\circ} 51' E$.

Decend.

40.00

Set a Volcanic stone 20 x 15 x 4 in.
14 in. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
raised a mound of stone
alongside.

Pito impracticable.

5-6.00

Edge of deep cañon and decend.

62.00

Cross. Cooper creek 20 lbs.
wide course W. and decend.

T. 10 N. 6. R. 3 E. G. & S. R. 16

behaviour

7000 Top of mesa, 200 ft. above creek.
8000 Set a Polcanig plumb 12x10x7
inc. 8 inc. in the ground, for cov.
to recs. 22-23-26+27 marked
with 2 notches on N. & E. edges,
and passed a mound of plumb
alongside.

Soil impracticable.

Surface. Mountaining mesa.
S. Rocky - 4 ^{to}/₄ pale.
Vegetation Good grass.

East, on a parallel line bet.
recs. 23+26.

Pav. 13° 51' E.

Descent.

3400 Cross Copper creek, 10 lbs. under
source S. and ascend.

4000 Set a temporary 1/4 sec. cov.

20,
T. 10 N. R. 3 E. G. 2d S. R. M.

Chain

41.00 Edge of cañon, descend abruptly.
48.00 Cross Arroyo, course S. W. and ascend abruptly.

54.00 Edge of mesa. (225 ft. above Arroyo.)

80.08 Intersect - N. & S. line 12 lbs. N of cor. to sec. 23-24-25 + 26. Thence N. W.

N. 89° 3-5' W. on a true line bet. sec. 23 + 26 with same var.

40.04 Set a Polquini stone 16 x 7 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N face and raised a mound of stone alongside.

Pit impracticable

80.08 The cor. to sec. 22-23-26 + 27 Surface Mountainous mesa, Soil Rocky - 4 th/₅ sate, Vegetation Fair grass.

T. 10 N. B. 3 E. G^{2d} S. R. M

Observations

Route bet. sec. 22 + 23.

Par. 14° 21' E.

Descend.

0.00 Set a Volcanic stone 18 x 10 x 4 ins
12 ins. in the ground for 1/4 sec.
cov. marked 1/4 on Sth face. dug
pile 18 x 18 x 12 ins. N + S. of stone
5 1/2 ft. dia. and raised a mound
of earth, 1 1/2 ft. high, 3 1/2 ft. base
alongside.

0.00 Set a Volcanic stone 18 x 9 x 7 ins.
9 ins. in the ground for cov. to
secs. 14 - 15 - 22 + 23 marked
with 3 notches on S. and 2
notches on E. edges, and raised
a mound of stone alongside.

Pipe impracticable.

Surface, N. pentagonal mesa.

Soil Rocky + ^{the} salt.

Vegetation Hair grass.

710 U. B. 3 E. G. & S. R. M.

Lehman

East, on a parallel line bet.
recs. 14 + 23,

Par. 14° 21' E.

Ascend.

40.00 Set a temporary 1/4 sec. cor.

44.00 Ascend.

80.06 Intersect - B. & S. line, 12 lbs.
B. of cor. to recs. 13-14-23+24.
Thence down.

B. 89° 55' W. on a true line bet.
recs. 14 + 23 with same par.

40.03 Set a Polcamic stone 13 x 5 x 4 in.
7 in. in the ground, for 1/4 sec. cor.
marked 1/4 on the face, dug pits
18 x 18 x 12 in. E. & W. of stone, 5 1/2
ft. dist. and raised a mound
of earth, 1 1/2 ft. high, 3 1/2 ft. base
alongside.

80.06 The cor. to recs. 14-15-22+23
Surface. Mountains mesa.

J. 10 N. R. 3 E. T²d S. R. 16

Chains

Soil Rocky. 4th rate.
Vegetation Good grass

North, bet. sec. 14 + 15.
Par. 140 21 E.

Ascend.

40.00

Set a Polcanic stone 16 x 18 x 7
inc. 10 inc. in the ground, for 1/4
sec. cor. marked 1/4 on N. face,
and paired a mound of stone
alongside.

Path impracticable

68.00

Edge of cañon and descend along it

80.00

Set a Polcanic stone 20 x 16 x 7 inc
14 inc. in the ground for cor,
to sec. 15 - 14 + 15 marked
with 4 notches on S. and 2 notches
on E. edges and paired a mound
of stone alongside.

T. 18 W. R. & E. G. and S. R. M.

Belchaine

Pit's impracticable.
 In canon 200 ft deep.
 Surface *Montainous* mesa.
 Soil Rocky 4th rate.
 Vegetation Hair grass, Ash,
 Lycamour and Cottonwood in
 canon.

4
4
8

East; on a pandora line bet. secs. 11 & 14
 Par. 14° 21' E.

Ascend.

31.00 Entire mesa 225 ft. above canon.
 40.00 Set a temporary 1/4 sec. cor.
 65.00 Cross road bet. W. W. & S. E.
 80.16 Intersect W. & S. line 7 lbs. S. of cor
 to secs. 11-12-13 & 14 Thence S.W.
 S. 89° 57' W. on a true line bet. sec.
 11 & 14. with same var.
 4008 Set a Polyanic stone 22x12x4 in
 1/2 in. in the ground, for 1/4 sec. cor.

4
8

T. 10 N. 3 E. G. 2, 1 S. R. 16

Chavis

cor. marked $\frac{1}{4}$ m N. face and
raised a mound of stone alongside.
Pits impracticable.

8216 The cor. to sec. 10-11-14 & 15;
Surface, N. mountainous mesa.
Soil Rocky. 3rd rate.
Vegetation Good Grass.
Scattering brush.

Mont. bet. sec. 10 & 11.
Bar. $14^{\circ} 21' E$.

Descend.

4.5-0 Cross Little Square creek. 11 lbs.
wide. source N.

20.00 Top of mesa 225 ft. above cañon

40.00 Set a Volcanic stone $18 \times 10 \times 8$ in.
12 in. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ m N. face, and
raised a mound of stone alongside.
Pits impracticable.

J. 10 N. R. 3 E. G. 2d S. R. 10

Lehman's

75.60 Edge of abrupt-canyon.
 77.00 Cross Square creek. course S. W. & ascend.
 80.00 Set a Poleman's stone 24 x 15 x 8
 ins. 18 ins. in the ground, for cor.
 to sec. 2-3-10 & 11 marked with
 5 notches on S. and 2 notches on
 E. edges and raised a mound
 of stone alongside.
 Pits unperceptible.
 Surface containing mesa.
 Soil Rocky, 4th rate.
 Vegetation Fair grass.

Cont. on a pardow line bet
sec. 2 & 11.

Cor. 14° 21' E.

descend.

11.00 Edge of abrupt-canyon.
 12.00 Cross Square creek. course W. & ascend.

T. 10 N. R. 3 E. G. 2nd S. R. 10

Lehans

- 37.00 across road, bet. N. W. & S. E. & descend.
 4000 Set a temporary $\frac{1}{4}$ sec. cor.
 79.88 Intersect N. & S. line 6 lbs. S.
 of cor. to sec. 1-2-11 + 12
 Thence S. W.
 S. 89° 57' W. on a true line bet.
 sec. 2 + 11, with same var.
 39.94 Set a Volcanic stone 30 x 8 x 4 ins.
 24 ins. in the ground, for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face and
 passed a mound of stone alongside.
 Pto. impracticable.
 79.88 The cor. to sec. 2-3-10 + 11.
 Surface, Montanensis mesa.
 Soil Rocky 4th rate.
 Vegetation Good Grass.

April 17th 1884

J. 10 H. R. 3 E. G. 2 S. R. N

Lehans

North on a random line bet. recs. 2 + 3.

Per. 14° 21' E.

Ascend.

40.00 Set a temporary 1/4 sec. cor.

42.00 Ascend.

50.00 Cross Low say and Ascend.

71.84 Intersect W. By. of Sp. 28-lbs. W. of cor. to recs. 263-34 + 38 recently established by me, from which cor. I run.

S. 11' W. on a true line bet. recs. 2 + 3, with same var.

31.84 Set a Volcanic stone 19 x 12 x 7 in. 12 in. in the ground for 1/4 sec. cor., marked 1/4 W. face, and raised a mound of stone alongside.

Pit of impracticable.

71.84 The cor. to recs. 2-3-10 + 11.

T. 10 N. R. 3 E. G. 2d S. R. 10

Lehans

Surface. Mountainous mesa.
Soil rocky - 4th rate.
Vegetation Fair Grass,
Shrub cedar.

I carefully examined the
adjustments of my solar
compass today, particularly
the latitude and meridian
apparatus, and found
them correct.

T. 10 N. 6. E. G. 2. S. R. 16

Chains

From the cov. to sec. 3-4-33+34
on S. By. of Tp. recently established
by me & Linn.

Work bet. sec. 33 + 34.

Pav. 13° 5' 1" E.

Ascend

4000

Set a Polycryst. stone 18 x 14 x 9 ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
raised a mound of stone alongside.
Pits impracticable.

Ascend.

8000

Set a Polycryst. stone 16 x 8 x 6 ins.
10 ins. in the ground, for cov. to
sec. 27-28-33+34 marked with
1 notch on S. and 3 notches on E.
edges and raised a mound of
stone alongside.
Pits impracticable.
Surface, Mountainous mesa.

T. 10 N. R. 3 E. G. 2 S. R. 10

Lehain

Soil Rocky - 4 th/₁₆ pale.
 Vegetation Fair Grass.

East, on a random line bet.
 sec. 27 + 34.

Var. 140 21' E.

Descend.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.
 79.94 Intersect N. & S. line 6 lbs. N
 of cor. to sec. 26-27-34 + 35. Thence

Run,

N. 89° 57' W. on a true line bet.
 sec. 27 + 34 with same var.

39.97 Set a Polgami stone 17 x 9 x 5 ^{ins}
 11 ins. in the ground for $\frac{1}{4}$ sec
 cor. marked $\frac{1}{4}$ on N. face and
 raised a mound of stone alongside,
 Pile imperceptible.

79.94 The cor. to sec. 27-28-33 + 34.

110 W. R. 3 E. G^{2d} S. R. M

Lehmanis

Surface Mountainsides mesa,
Soil Rocky - $\frac{1}{4}$ rate.
Vegetation Fair Grass.

North, bet. secs. 27 + 28.

Par 14° 21' E.

Ascend

3 000

Descend

4 000

Set a Polynic stone 16 x 12 x 9 ins.
10 ins. in the ground, for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
raised a mound of stone alongside.
Ditto impracticable.

Ascend.

8 000

Set a Polynic stone 30 x 16 x 8 ins.
24 ins. in the ground, for cov. to
secs. 21-22-27 + 28 marked with
2 notches on N. and 3 notches on E.
edges, and raised a mound of

T. 10 N. R. 3 E. G. 2d S. R. 16

chain

stone alongside.

Pipe impracticable
 surface Montaigne mesa
 Soil Rocky - 4th pale.
 Vegetation Fair Grass.

East on a random line bet.
 secs. 22 + 27.

Par. $14^{\circ} 21' E$

descend.

25.00 Edge of cañon and descend abruptly.

36.00 Cross Copper creek, 15-lbs. wide. V
 course N. W. and ascend.

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

41.52 Edge of mesa 250 ft. above cañon.

79.96 Intersect N. + S. line, 8 lbs. N
 of cor. to secs. 22-23-26 + 27. Thence
 Run.

$36.89^{\circ} 57'$ N. on a true line bet. secs.

J. 10 N. B. 3 E. G. 2 S. R. M.

Chain,

3998 22x27 with same var.
A Volcanic stone in place.
36x28x20 in. above ground,
which I mark $\frac{1}{4}$ on W face with
a cross (+) at exact corner point.
for $\frac{1}{4}$ sec. cor. and raised a
mound of stone alongside.

Pit impracticable

7^a 96 The cor. to recs. 21-22-27+28
Surface, *Agrostis* *rupestris*.
Soil Rocky - 4th rate.
Vegetation Fair grass.

Mount, bet. recs. 21 + 22.

Bar, 14° 21' E

Descend.

15. 00 Edge of cañon & descend abruptly.
21. 00 Cross Cooper creek. 11 lbs. wide &
course W. & ascend.

T. 10 N. 30. 3 E. G. & S. R. N.

Lehavis

27.00 Edge of mesa 250 ft. above cañon.
40.00 Set a Polcanij stone 12 x 10 x 6 ins.
5 ins. in the ground. for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face,
and passed a mound of stone
alongside.

Pit impracticable.

80.00 Set a Polcanij stone 18 x 14 x 8
ins. 12 ins. in the ground, for cor.
to reg. 15-16-21 & 22 marked
with 3 notches on S. & E. edges,
and passed a mound of stone
alongside.

Pit impracticable.

Surface Mountainous mesa.

Soil Rocky 4th rate.

Vegetation scattered grass,
Ash, Sycamore and Cottonwood
along creek.

J. 10 W. B. 3 E. Gr. S. B. M.

Lehman

East, on a random line bet. sec.
15. + 22.

Par. $14^{\circ} 24' E.$

Ascend.

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

8 0.16 Intersect W. + S. line 7 lks. S.
of cor. to sec. 14 - 15 - 22 + 23. Thence
down.

S. $89^{\circ} 5-7' N.$ on a true line bet.
secs. 15 + 22 with same var.

4 0.08 Set a Polycyclic stone $16 \times 9 \times 5$ in.
10 in. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face, and
passed a mound of stone alongside.
Pits impracticable.

80.16 The cor. to sec. 15-16-21+23

Surface of mountains more
soil Rocky, & $\frac{1}{2}$ pale;

Vegetation Fair grass

April 18th 1884

J. 10 N. B. & E. G. & S. P. M.

leaves

North, bet. sees. 15 + 16.

Bar. 14° 24' E.

Descend.

4000 Set a Polcayic stone 18 x 10 x 7 in.
12 in. in the ground, for 1/4 see.
cor. marked N on W. face, dug
pile 18 x 18 x 12 in. N + S. of stone
5 1/2 ft. dist. and raised a mound
of earth, 1 1/2 ft. high, 3 1/2 ft. base
alongside.

5500 Edge of abrupt cañon + descend.

5900 Cross arroyo course N.W. + ascend.

6400 Edge of mesa 150 ft. above cañon.

8000 Set a Polcayic stone 18 x 9 x 6 in.

12 in. in the ground, for cor.
to sees 9-10-15-+16 marked with
4 notches on S. and 3 notches
on E. edges and raised a
mound of stone alongside.

Relig. intractable

Surface of mountainous mesa

with rocky - (etc. pale)

very scattering grass + cedar along cañon

J. 10 N. B. 3 E. G. 3^d S. B. N

Lehmanis

East, on a random line bet. sec.
10 + 15.

Par. $14^{\circ} 24' E.$

Descend.

25.00 Edge of cañon and descend
abruptly.

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

49.00 Edge of mesa 175 ft. above
cañon.

70.00 Descend

80.00 Intersect - N. + S. line 5 lbs. N
of cor. to sec. 10-11-14+15. Thence
down.

$N 89^{\circ} 58' W.$ on a true line bet.
sec. 10 + 15 with same cor.

40.04 Set a Polgamic stone $16 \times 10 \times 8$ ins.
 10 ins. in the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ low N face, and paced
a round of stone along side.
Pile impracticable.

T. 10 N. R. 3 E. G^{2d} S. R. 10.

Chain.

80.08 The cor. to sec. 9-10-15+16.
 Surface Mountings mesa
 Soil Rocky. 4 th/₁₁ pale.
 Vegetation Fair grass, Ach. Cottonwood
 and ~~Lycamore~~ along creek

South, bet. sec. 9 + 10.
 Pav, 124° 24' E.

Descend

- 5.00 Edge of cañon and descend abruptly.
- 13.80 Mr Bohm's field bro, 10 chs. W. on
 creek.
- 14.00 Cross Little Squaw creek. 40 lbs.
 wide, course W. + ascends
- 21.50 Edge of mesa 225 ft, above
 cañon.
- 30.00 Descend
- 40.00 Set a Polcanic stone 4x3x3 ft,
 3 ft. in the ground, for ¹/₄ sec. cor.

J. 10 N. P. 3 E. G. 2nd S. R. N

Chassis

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

44.00

Legend,

60.00

Cross Eylers road bet. N. W. &
S. E.

7.00

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

8.00

Set a Poliqui stone 16x18x8 ins.

10 ins. in the ground, for cor. to
secs. 3-4-9-10, marked with
5 notches on S. and 3 notches on
E. edges, and raised a mound
of stone alongside
Pile impracticable.

Surface, Montanias mesa,

Sub Rocky - 4th rate,

Veg. Fair Grass, Ach. Lycamore

Cottonwood, Willow, 2nd Cedar
along creek.

T. 10 N. R. 3 E, Gnd S. R. N

Lehans

Each; on a random line bet;
secs. 3. + 10.

Var. $14^{\circ} 24' E$,

Ascend,

18.00 Top of Meca,

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

69.00 Cross road thro. $S. E. \frac{1}{4}$ N. W.

79.86 Intersect N + S. line 8 lbs.
S. of cor. to secs. 2-3-10 + 11.

Thence down,

$S. 89^{\circ} 57' W.$ on a true line bet;
secs. 3 + 10 with same var.

39.93 Set a Volcanic stone $15 \times 10 \times 4$
ins. 10 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N face,
and piled a mound of stone
alongside.

Pile impracticable,

79.86 The cor. to secs. 3-4-9 + 10.
Surface Mountains Meca.

T. 10 N. R. 3 E. G. 34 S. R. 10

Lehans.

Soil Rocky, 4th rate.
Vegetation of Good grass

Went on a random line, bet.
secs. 3 & 4.

Par. 14° 24' E

Descend.

- 4. 00 Cross Arroyo, corner W. & ascend.
- 22. 00 Top of bridge. Old ruins.
bet. 6 chs. W. of this point.
- 26. 00 Descend.
- 40. 00 Set a temporary 1/4 sec. cor.
- 49. 00 Edge of bluff descend abruptly
- 58. 00 Cross Arroyo, corner W.
- 68. 00 Cross Indian creek 20 lbs. wide
corner S. W.
- 73. 78 Entered N. R. of Twp. 30 lbs.
W. of cor. to sec. 3-4-33 & 34.
renew established by me

T. 10 N. 6. 3 E. Grd S. R. 16

Chain

from which cor. I run.
S. 13' W. on a true line bet;
recs. 3 + 4 with same var.

33. 78

Set a Polcanic stone 20 x 7 x 5-
inc. 14 inc. in the ground for
1/4 sec. cor. marked 1/4 on W. face.
and raised a mound of stone
alongside.

Pit is imperceptible.

78. 78

The cor. to recs. 3-4-9+10.
Surface No. containing mesa.
Soil Rocky - 4th rate.
Vegetation Good grass

T. 10 N. 6 E. G. 2d S. R. 10

Lehavis

From the cov. to pccs. 4-5-32+33
on S. By. of L_v, recently established
by me. H. H. H.
J. H. H., bet. pccs. 32+33,

Par. $14^{\circ} 24' E$.

Ascend.

- 16.00 Top of mesa and descend
40.00 Set a Volcanic stone $18 \times 18 \times 12$ ins
12 ins. 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.
- 80.00 Set a Volcanic stone $16 \times 9 \times 7$ ins,
10 ins. in the ground, for cov. to pccs
28-29-32+33 marked with 1 notch
on S. and 4 notches on E. edges,
and paved a mound of stone
alongside.
Pits impracticable.
Surface Mountainous mesa.

T. 10 N. 3 E. G. 2d S. R. 10

Lehain

Soil Rocky - 4th rate.
Vegetation Fair grass.

April 19th 1884.

East on a random line bet.
secs. 28 + 33.

Par. 14° 21' E.

Agreed.

40.00 bet a temporary $\frac{1}{4}$ sec. cov.
80.04 Interest - W. & Mine. 2 lbs. W.
of cov. to secs. 27-28-33+34.
Whence Iron.

W 89° 59' N. on a true line bet,
secs. 28 + 33 with same var.

40.03 bet a volcanic stone 15 x 9 x 4 ins.
9 ins. in the ground for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face, and
raised a mound of stone

T. 10 N. 6 R. 3 E. C. 2^d S. R. N.

chains

alongside.
Pit's impracticable.

80.04

The cor. to secs. 28-29-32+33.
Surface Monumented area.
Soil Rocky 4th rate.
Vegetation, East half, fair grass.
West half, scattering grass

North, bet. secs. 28+29
P. 140 1/21 'E.

ascend.

37.00

ascend

40.00

Set a Volcanic stone 16 x 12 x 7 ins.
10 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face, and
paired a mound of stone along
side.

Pit's impracticable

80.00

Set a Volcanic stone 16 x 10 x 7

T. 10 N. R. 3 E. G. 2d S. R. M

Chassis

10' in. in the ground for
 cor. by sees 20-21 & 28
 marked with 2 notches on S.
 and 4 notches on E. edges
 and raised a mound of stone
 alongside.

Pile impracticable.

A cedar 4' in. in diam. has
 N. 60° W. 80 lbs. dist. marked.
 T. 10 N. R. 3 E. S. 20 P. 1
 surface. No good timber seen.
 Soil Rocky & th pale.
 Vegetation Scattered grass

East on a random line bet.
 sees. 21 & 28.

Cor. 14° 21' E.

Agenda

4 000 Set a temporary 1/4 sec. cor.

T. 10 N. 2 E. G. 2d S. R. N

Chain

79.94 Intersect N. & S. line of Sec. 16
of cor. to pccs. 21-22-27+28.
Thence S. 1/2 W.

N. 89° 56' W. on a true line bet.
pccs. 21 + 28 with same var.

89.97 Set a Polquin's stone 16 x 10 x 7 ins.
10 ins. in the ground for 1/4 sec.
cor. marked 1/4 on N. face and
raised a mound of stone alongside.
Pit impracticable
Acquid.

79.94 The cor. to pccs. 20-21-28+29
surface of *Waztawing* mesa,
Soll Rocky + ^{the} talo,
Vegetation scattering grass

T. 10 N. 6 R. 3 E. G. 2 S. R. 16

Lehavis

North, bet. sec. 20 + 21.
Var. 14° 21' E.

Descend.

- 39.00 Old Fortification on Rocky bluff.
- 40.00 Set a Polcanic stone 20 x 10 x 3 ins. 14 ins. in the ground for 1/4 sec. cov. marked 1/4 on W. face, and raised a mound of stone alongside.
Rise impracticable.
- 41.00 Leave old ruin and descend
- 50.00 Cross Cooper creek 10 lbs. wide course W. and ascend
- 59.00 Top of mesa 320 ft. above creek,
- 80.00 Set a Polcanic stone 24 x 8 x 6 ins. 18 ins. in the ground for cov. to sec. 16-17 Sec 20 + 21 marked with 3 notches on S. and 4 notches on E edges and raised a mound

J. 10 N. P. & E. G. 2d S. P. M.

Chains

stone alongside
Pits unpracticable.

A Cedar 8 in. in diam, bet.
S. 20 E. 175-lbs, dist. marked.

J. 10 N. P. & E. S. 21 B. J.

Surface Mountainous mesa,
with Rocky & boulders.

Vegetation. Scattering grass
and scattering cedar.

East; on a random line bet.
secs. 16. + 21.

Var. 14° 30' E.

Ascend.

4 000 bet a temporary 1/4 sec. cor.

8 0. 06. Intersect - N. + S. line, 9 lbs. S.

of cor. to secs. 15-16-21 + 22.

Hence Run.

S. 89° 56' W. on a true line bet. secs.

T. 10 N. R. 3 E. G. 4 S. R. 16

Behavio

16 + 21. with same cov.

4 0.03 bet. a Volcanic stone 20 x 14 x 10
 ins. 14 ins. in the ground, for
 $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ in W
 face. and raised a mound of
 stone alongside.

Pits unproductive.

8 0.06 the cov. is sec. 16-17-20+21.
 Surface of mountains mesa.
 Soil Rocky, 4 $\frac{1}{2}$ rate.
 Vegetation Fair grass

Mount, bet. sec. 16 + 17.
 Pav. 14° 20' E.

Legend.

3 2. 00 ascending abruptly.

4 0.00 bet. a Volcanic stone 18 x 9 x 7 ins.
 12 ins. up the ground, for $\frac{1}{4}$ sec. cov.
 marked $\frac{1}{4}$ in W. face. and raised

T. 10 N. R. 3 E. G. 2d S. T. 10

Charris

a mound of stone along grade.
It's imperceptible

50.50 across little Siggins Creek 15 lbs.
wide, corner N.W.

55.00 across road bet. N. E. & S. W.

80.00 set p post, 4 ft. long, 4 in. sq.
with marked stone, 14 in. in
the ground, for cor. to sec.

8-16 & 17 marked

T. 10 N. S. 1 on N. E.

R. 3 E. S. 16. on S. E.

S. 17. on S. W. and

S. 8. on N. W. faces, and

4 notches on S. & E. edges, dug
sets, 18x18x12 in. in each sec.

5 1/2 ft. dist. and raised a
mound of earth 2 ft. high,
4 1/2 ft. thick around post.

Surface Mountainous mesq.
Soil. Smith half. Rocky & 4th rate

T. 10 N. R. 3 E. G. 2 S. R. 10.

Chains

North half. Gravel. and $\frac{1}{2}$ mile
Vegetation Fair Grass.
Bottomwood & Willows along
Creek.

East, on a random line bet.
rees. 9 & 16.

Par. $14^{\circ} 30' E.$

Descend.

- 18.00 Cross road bet. N. & S.
25.00 Cross Little Squaw creek. 30 lbs.
wide, corner S. E. & descend.
40.00 Set a temporary $\frac{1}{4}$ sec. cor.
50.00 Old punis, on rocky point
3 chains S.
62.00 Edge of mesa. 250 ft. high and
descend
80.04 Intersect N. & S. line 10 lbs. N
of cor. to rees. 9-10-15 & 16.

T. 10 N. R. 3 E. G. 1 S. R. 16

chains

Thence S. 1000.

N. 89° 56' W. on a true line bet;
secs. 9 + 16, with same var.

40, 52 Set a Volcanic stone 18 x 12 x 6 ins,
12 ins. into the ground for 1/4 sec,
cor. marked 1/4 on N face, and
passed a mound of stone
alongside.

Pilot impracticable.

80, 04 The cor. to secs. 8-9-16+17
Surface. Mountainous & rocky.
East half. rocky - 4th pale;
West half. gravel & 4th pale;
Vegetation Fair Grass.
Shrub. Cottonwood & 2d Syamora
scattering along creek.

T. 10 N. - R. 3 E. G. 4 S. R. N.

chains

Bound bet. sec. 8. + 9

Var. $14^{\circ} 30' E.$

Ascend.

18. 00 Cross road bet. N. W. & S. E.

26. 00 Cross Indian Creek. 10 lbs. wide.
cross R. and ascend.

40. 00 Set a post: 3 ft. long, 3 in.
sq. with marked points, 12 in.
in the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on W. face, dug
pits $18 \times 18 \times 12$ in. N. & S. of
post: $5\frac{1}{2}$ ft. dist. and poured
a mound of earth, $1\frac{1}{2}$ ft.
high, $3\frac{1}{2}$ ft. base ground level.
This sets house bro. W. of chs,
dist. from this point.

80. 00 Set a granite $16 \times 9 \times 8$ in.
10 in. in the ground, for cor.
to sec. 4-5 & 8 + 9, marked with
5 notches on S. and 4 notches on E.

7 18 H. C. & G. G. 3/4 S. W.

Chairs

edges, dug pits, 18 x 18 x 12 ins
in each rec. 5 1/2 ft. dist. and
raised a mound of earth, 2 ft.
high, 4 1/2 ft. base along side
surface. Mountains mesa.
Soil Decomposed Granite
4th rate.

Vegetation Fair grass.
Alder brush. and scrub trees
along creek.

Cact. on a random line bet.
recs. 4 + 9.

Par. 14° 24' O.

Ascend.

20. 20	Cross road bet. H. C. + S. W.
40. 00	Set a temporary 1/4 rec. cor.
44. 00	Cross Indian Creek, 10 lbs. wide course S. W. and ascend.

T. 10 N. R. 3 E. G. 4 S. R. M.

Lehavis

80. 12 Intersect N. + S. line 4 lks. N. of cor. to sec. 3-4-9 + 10.
 Thence S. 89° 58' W. on a true line bet. sec. 4 + 9. with same cov.
40. 06 Set a Granite stone 18 x 10 x 7 ins. 12 ins. into the ground for 1/4 sec. cor. marked 1/4 on N. face and raised a mound of stone alongside.
 Pitt impracticable.
80. 12 The cor. to sec. 4-5-8 + 9. Surface Mountainous meek. Soil West half Granite; 4th rate. East half Placemine & 4th rate. Vegetation Tall Grass. Scattered trees along creek. and Alnus brush.

T. 10 N. R. 3 E. G. 21 S. R. 16

Lehavis

North, on a random line bet:
secs. 4 & 5.

Par. $12^{\circ} 24' E$.

Ascend.

34.00 Top of granite point 500 ft.
above Aqua Fria creek.

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

40.80 Cross Aqua Fria creek, 80 lbs.
wide, corner N.P. and ascend.

76.08 Intersect N. By. of Twp. 12 lbs.
E. of cor. to sec. 4-5-32 & 33.

recently established by me,
from which cor. found.

N. 5' E — on a true line bet:
secs. 4 & 5, with same var.

36.08 An Ash tree 10 ins. in diam
on line, which I mark $\frac{1}{4}$ S. on
N. face, for $\frac{1}{4}$ sec. cor, dug pits,
18 x 18 x 12 ins. N. & S. of tree, $5\frac{1}{2}$
ft. dist. and raised a mound

57

T. 10 N. R. 3 E. G. 2 S. R. M.

chain

of earth around trees from
which fears.

An ash 10 mi. in diam. N. 85° E.

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

76.08 The cov. to sec. 4-3-8-29.

surface. Mountainous green.

Soil 1/2 mile, half, 4 $\frac{1}{2}$ mile.

North " 2 $\frac{1}{2}$ "

Vegetation Good grass.

I carefully examined the
adjustments of my solar
compass today, particularly
the latitude and reversing
apparatus and found
them correct.

April 20th 1884

T. 10 N. R. 3 E. G. 4 S. R. 10

Chains

- From the cor. to recs. 5-6-31+32
on S. R. of T. recently reestablished
by Mrs. Quincy.
North bet. recs. 31+32. $NW 14^{\circ} 30' E$
Ascend
- 10.00 Edge of Perry tank. Canion
- 15.00 Edge Arroyo. Pro. N. Water in tank
Ascend. T
- 28.00 Rocky point 450 ft. high.
Old ruins.
- 32.00 Edge of mesa. 475 ft. high
and descends
- 40.00 Set a Poliquin stone $19 \times 8 \times 5$ ins.
13 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face. and
raised a mound of stone alongside.
It is impracticable.
- 57.00 Edge of canion. and descend.
- 62.00 Edge Arroyo. course S. W.
Water in tank.

J. H. B. & C. G. & S. B. N.

Chains

- 68.00 Edge of mesa 150 ft. high,
and descend.
- 80.00 Set a Polcanic stone, 14 x 10 x 6
ins. 8 ins. in the ground, for
cor. to pers. 29-30-31+32
marked with 1 notch on S. and
5 notches on E. edges, and
passed a mound of stone
alongside.
Path impracticable.
Surface Montanans mesa.
Sub Rocky 4th rate.
Vegetation Scattering cedars.
Palmy canno.

East, on a random line, bet. cor.
29+32,
Descend.
Per. 14° 35' E.

T. 10 N. R. 3 E. G. and S. R. 10

chains

1000 Agourd
 15.00 Edge of mesa and descend.
 40.00 Set a temporary $\frac{1}{4}$ sec. cov.
 79.96 Intersect N. + W. line 4 lbs. $\frac{1}{4}$
 of cov. to sec. 28 - 29 - 32 + 33.
 Thence N. 89° 38' W. on a true line bet:

sec. 29 + 32. with same cov.

39.98. Set a volcanic stone 17 x 10 x 5
 ins. 11 ins. in the ground, for $\frac{1}{4}$
 sec. cov. marked $\frac{1}{4}$ on W. face.
 and raised a mound of stone
 alongside.

Field impracticable.

79.96 The cov. to sec. 29-30-31 + 32.
 Surface the antiquities mesa.
 Soil Rocky. 4th rate.
 Vegetation Fair grass.
 Scattering cedars.

T. 10 N. R. 3 E. G. 4 S. R. 10

Charris

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

Par. $14^{\circ} 30' E$.

Ascend.

4 0 00 Set a temporary $\frac{1}{4}$ sec. cor.
88.40 Entered W. By. of $\frac{1}{4}$ sec.
S. of cor. to recc. 28-30-31+36
recently established by me.
from which cor. Inscr.
at $89^{\circ} 55' E$. on a true line bet.
secs. 30 + 31. with same var.

48.40 Set a Polarcis stone $17 \times 6 \times 4$
ins. 11 ins. in the ground, for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on the face,
and paired a mound of stone
alongside.

Site impracticable.

88.40 The cor. to recc. 29-30-31+32
Surface Mountainous mesa.
Soil Rocky - 4th rate.
Vegetation Good grass

T. 10 N. R. 3 E. G. 2d S. R. 16

Chassis

Went, bet. sec. 29 + 30.

Par. 14° 30' E.

As cord.

4 0 0 0

Set a Volcanic stone 16 x 12 x 8 ins.
10 ins. in the ground, for 1/4 sec.
cor. marked 1/4 on N. face, and
passed a mound of stone alongside
Pip. unfructifiable.

8 0 0 0

Set a Volcanic stone 18 x 16 x 12 ins.
12 ins. in the ground, for. cor. to
sec. 19 - 20 - 29 + 30, marked
with 2 notches on S. and 5 notches
on E. edges, and passed a mound
of stone alongside.

Pip. unfructifiable.

Surface Mountainous mesa.

Soil Rocky 4th rate.

Vegetation Scattering Grass.

—————

T. 10 W. R. & E. G. S. B. M.

Lehavis

East on a random line bet. sec.
20. + 29.

Var. $14^{\circ} 30' E$,

Ascend.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.
49.95 Entered N. + S. line 11 lks. S.
of cor. to sec. 20-21-28 + 29.

Thence down.

S. $89^{\circ} 55' W$. on a true line bet.
sec. 20 + 29. with same var.

39.97 Set a Polaris stone $18 \times 14 \times 6$
ins. 12 ins. in the ground for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ m. N.
face, and raised a mound of
stone alongside.

Pit; unpracticable

79.90 The cor. to sec. 19-20-29 + 30.
Surface Montagnic mesa.
Soil Rocky. 4th rate.
Vegetation Fair Grass

J. 18 W. B. 3 E. Grd S. R. 16

Behaviors

West, on a random line bet: recs
19 + 30.

Var. 140 30' E.

Ascend.

32.00

Edge of about 1/4 canno.

40.00

Set a temporary 1/4 sec. cor.

50.00

Crosso Agua Fria creek, 50 lbs
under 1/4 sec. ascend.

88.20

Intersect W. Ry. of Tr. 12 lbs.
No. of cor. to recs 19 - 24 - 28 + 30
recently established by me.

From which cor. I pass.

W. 89° 50' E. on a true line bet:
recs 19 + 30 with same var.

48.20

Set at Polcaqui stone 19 x 13 x 7 ins.
13 ins. in the ground, for 1/4 sec.
cor marked 1/4 on W. face and
passed a mound of stone along side.
It's impracticable.

88.20

The cor. to recs 19 - 20 - 29 + 30.

T. 10 N. R. 3 E. G. 4 S. R. 10

Lehans

Surface, Montainis mesa,
Soil Rocky - 4th rate,
Vegetation Fair Grass

North, bet. sec. 19 + 20.

Par. 14° 30' E.

Descend.

- 37.00 Edge of cuttings and descend abruptly
- 40.00 Set a Volcanic stone 16 x 7 x 4 ins. V
10 ins. in the ground, for 1/4 sec.
cor. marked 1/4 on W. face, and
passed a mound of stone alongside
Pito imperforabilis
- 45.00 Cross Agua Fria creek, 70 lbs.
wide course W.
- 55.00 Desc. of Mesa and descend.
- 68.00 Cross Agua Fria creek, 70 lbs.
wide. course S. E.
- 80.00 Set a Volcanic stone 17 x 9 x 7 ins.

T. 10 N. R. 3 E. G. 4 S. R. M

Lehavis

12 mi. in the ground, for cor.
to secs. 17-18-19-20 marked
with 3 notches on S. and 5 notches
on E. edges and passed a
myriad of stone almgades.
It's impracticable.

On N. slope.

Surface, Mountainous mesa.

Soil Rocky, & pale

Vegetation Fair Grass.

W. Lycamore, Cottonwood

& Willow along creek

East on a random line bet.
secs. 17 & 20.

Par. 140 20' E.

Ascends

5-0

Edge of mesa 300 ft. high.

15.00

Edge of cañon & descend abruptly

T. 10 N. R. 3 E. G. 2nd S. R. 10

Lehans

- 33.00 Cross Baker creek, 10 lbs. wide
co. N. W. and ascend.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 55.00 Ascend abruptly.
- 63.00 Edge of mesa 200 ft. high
and descend.
- 79.84 Intersect N. & S. line 16 lbs. S.
of cor. to secs 16-17-20 & 21.
Thence S. W.
S. $89^{\circ} 53' 00''$ on a true line bet;
secs. 17 & 20 with same var.
- 39.92 Set a Polanyi stone $19 \times 8 \times 5$ ins.
13 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N face, and
paved a mound of stone
alongside.
Partly impracticable.
- 79.84 The cor. to secs. 17-18-19 & 20.
Surface, Mountainous mesa.
Soil Rocky, worthless.

J. 10 H. P. & E. G. & J. P. M.

Lehmanis

Leuce brush.

Trch. Lucanora 2^d Cottonwood
along Creek.

April 21st. 1884

West, on a random line bet. sec.
18 + 19.

Par. $140^{\circ} 30' E.$

Descend.

11. 00 Cross Agua Fria 70 lbs. wide
corner D. and ascend.

16. 00 From this point Tibo cabrio
bro. N. 110 lbs. dist.

40. 00 Set a temporary $\frac{1}{4}$ sec. cor.

50. 70 Cross top of Granite ridge 500
ft. above camino and descend.

88. 60 Intersect W. By. of T. 30 lbs.
S. of cor. to sec. 13, 18-19 + 24.
recently established by me.

T. 10 N. R. 3 E., Q. 3d S. R. N.

Charris

from which cor. Ariv.
S. $89^{\circ}48'6''$ on a true line bet.
secs. 18 + 19 with same cor.

48.60

Set a granite stone $15 \times 9 \times 7$ ins.
9 ins. into the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N face and
passed a mound of stone
alongside.

Pit of impracticable.

88.60

The cor. to secs. 17 - 18 - 19 + 20.
Surface, N. mountainous.
Soil Rocky, & ^{thin} pale.
Vegetation, Fair Grass.

Bound, bet. secs. 17 + 18,

Par. $14^{\circ}30'E$.

Ascend

22.00

Cross Agua Fria creek, 70 lbs
under corner S. W. and ascend

T. 10 N. R. 3 E. G. 2d S. R. 16

Charris

34. 00 Helms honey br. E. from this point - 20 chs. dist.
- 4 000 Set a Granite 20 x 10 x 8 ins. 14 ins in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face and paced a mound of stone alongside. Dip's unpracticable.
Ascend.
- 8 000 Set a Granite 16 x 12 x 7 ins. 18 ins. in the ground, for cor. to sec. 7-8-17+18, marked with 4 notches on S. and 5 notches on E. edge, and paced a mound of stone alongside.
Dip's unpracticable.
Surface Mountainous along
W. slope of granite ridges
Soil Rocky 4 $\frac{1}{2}$ rods
Vegetation Fair grass

T. 10 N. R. & E. G. 24 S. R. 16

Chain.

East, on a random line bet.
reco. 8. + 17.

Pos. $14^{\circ} 30' E$.

Descend.

4 0 00 Set a temporary $\frac{1}{4}$ sec. cor.

4 2. 00 Cross Agua Fria creek, 70 lbs
wrd. cross S. P. and ascend,

7 0 00 Cross spur 2nd descend!

8 0. 16. Intersect N. & S. line. 17 lbs.

W. of cor. to reco. 8-9-16+17.

Thence down.

$N. 89^{\circ} 53' W.$ on a true line
bet. reco. 8+17 with same var.

4 0. 0 8 A. Granite stone in place 8x6
ft. above ground, which I marked
 $\frac{1}{4}$ in N face. with a + cross at
exact corner point. for $\frac{1}{4}$ sec.
cor. from which br.

An ash, 8 ins. in diam. N. E.
30 lbs. dist. marked $\frac{1}{4}$ S. B. S.

T. 10 N. R. 2 E. G. 2d S. R. 16

Chain

An ash, 8 ins. in diam, 6.25 lbs.
dial. marked 1/4 S. B. J.

80, 16

The cor. to sec. 7-8-17+18.
Surface, Mountaining.

Soil. Rocky, & ^{to} sale:
Vegetation Hair Grass.

Sh. Sycamore and cottonwood
along creek. also denser brush.

West. on a pandemic line S. 1/4
sec. 7+18.

Par. 14° 25' E.

Legend.

26.00 Cross trail bet. ² W.

30.00 Cross Granite Spur. bet. S. W.
+ W. E.

40.00 Set a temporary 1/4 sec. cor.

89.00 Entered N. B. of Twp. 17 lbs
S. of cor. to sec. 7-12-13+18

T. 18 N. R. 3 E. G. 4 S. R. 11

Lehmanis

recently established by me,
from which cor. spur.

N. 89° 54' E. on a true line
bet. sec. 7 + 18 with same var.

49. 00 Set a granite stone 12 x 10 x 8 ins.
8 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and
passed a mound of stone
alongside.

Set impracticable

89. 00 The cor. to sec. 7 - 8 - 17 + 18.

Surface Monotonous.

Soil Rocky, 4th rate.

Vegetation Fair Grass

North, bet. sec. 7 + 8,

Var. 14° 30' E.

Recessed

35. 00 Recessed.

T. 10 N. R. 3 E. G. 2 S. R. 10

Chassis

- 400.00 Set a granite stone $14 \times 7 \times 6$ ins. 8 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face, dug pits, $18 \times 18 \times 12$ ins. NW & S. of ptms. $5\frac{1}{2}$ ft. dist. and traced a mound of stone $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base along side.
- 73.00 Cross road bet. N. W.
- 800.00 Set a granite stone $18 \times 6 \times 4$ ins. 12 ins. in the ground, for cor. to sec. 5-6-7 & 8, marked with 5 notches on S. & E. edges, dug pits, $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and passed a mound of earth, 2 ft. high, $4\frac{1}{2}$ ft. base along side. surface, mountains along E. slope.
- Surface Rocky. 4th rate.
Vegetation Hair grass

T. 10 N. R. 3 E. G. 4th S. R. 6

Charris

East, on a random line bet.
reco. 5-+8,

Var. 14° 24' E.

Descend,

- 18.00 Cross Arroyo, corner S. E.
- 40.00 Set a temporary 1/4 reco. cor.
- 65.00 Cross Agua Fria creek. 55 lbs.
wide course S.

79.88 Intersect N. + S. line 18 lbs. S.
of cor. to reco. 4-5-8+9.

Thence Sump.

S. 89° 52' W. on a true line bet;
reco. 5-+8, with same var.

39.94 Set a granite 15-x-18-x-7 in.
7 in. in the ground, for 1/4
reco. cor. marked 1/4 on N
face, and passed a mound
of stone alongside.

It is impracticable.

79.88 The cor. to reco. 5-6-7+8.

T. 10 N. R. 3 E. G. 2d S. R. 16

Chamis

Surface Mountains.

Soil along creek, 2nd rate;" also rocky, 4th rate.

Vegetation Fair grass.

Ash, Willow, Cottonwood
and Sycamore along creek.West, on a random line bet.
secs. 6 + 7.Bar. $14^{\circ} 24' E$.

Ascend.

15.00 Cross trail, bet. N. E. & S. W.

40.00 Set a temporary $\frac{1}{4}$ sec. cor.5-2.00 Top of divide 1400 ft. high
and descend.

63.00 Cross Arroyo, course S. & descend.

88.60 Intersect W. By. of Twp. 12 N. 36
of cor. to sec. 11 & 7 + 12, recently
established by me, from which

T. 10 N. R. 8 E., G. 2nd S. R. 16

Chavis

cor. 1 run.

W. 89° 53' E. on a line
bet. sec. 6 + 7. with same cor.

48. 60 Set a Grapile 18x10x7 ins,
12 ins. in the ground, for 1/4 sec.
cor. marked 1/4 m W face
and paced a row of
stone alongside.

Pty. infractibile.

88. 60 The cor. to sec. 5-6-7 & 8.

Surface, No. 1 limestone.

Soil Rocky, 4th rate.

Vegetation Fair grass.

W. on a random line
bet. sec. 5 + 6.

Var. 14° 24' E.

Ascend.

11. 00 cross trail br. N. W. & S. E.

T. 10 N. R. 3 E. G. 2d S. R. 16

Chains

- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
63.50 Top of ridge 500 ft. high,
and descend.
76.50 Ascend.
77.94 Intersect N. By. of Twp. 12
lbs. E. of cor. to sec. 5-6-
31 + 32 recently established by
me from which cor. found
S. 65' E. on a line bet.
secs. 5 + 6 with same var.
87.94 Set a granite $\frac{1}{4}$ 14 x 10 x 6 ins.
8 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W. face
and paced or mound of stone
alongside.
Pit impracticable.
77.94 The cor. to secs. 5-6-7 + 8.
Surface Montagninos.
Soil Rocky. 4th rate.
Vegetation Fair grass.
April 22nd 1884

General Description

Reports of surveys immediately N. E. & N. W. of this township found in calling S. of this work unaccountable and with its deep, dark, volcanic canons, it looks as added to these the ground is completely covered with loose rocks, from the size of an egg, to a foot square, and in many places, much larger.

Formation

The N. W. corner is a granite upheaval, as far as $3\frac{1}{2}$ miles S. on the N. boundary and N. E. along the Agua Fria and Little Sycamore creeks, to the crossing of the S. line of sec. 9, thence N. to the N. E.

The remainder of this Sp. is volcanic apparently an overflow, or bed of lava, and of unknown depth,

Soil.

What soil there is is of a reddish color, and very soft: so that one foot sinks freely in it; sand in wet weather is almost impassable, even for animals, and it is at all times exceedingly difficult walking.

Along the creeks, there are strips of exceedingly rich ground, on which anything can be raised.

Water.

This wet season there is an abundance of fine pure water, and I believe there is at all

times enough for stock.

Grass.

Last year, (A very dry one)
Grass was very abundant,
and the new grass is coming
up finely. Galleta is the
most abundant, but Clover,
Fileria, Gramma, are growing
well in parts, although much
is enforced to see where it
finds room on account of
the stones.

Tupiber.

Along the stream there is
a fair growth, though in
many places, almost un-
cessible, on account of the
carrons.

This T. is exceedingly well
adapted to stock passing through
the S. E. portion has the better

and the N. E. the best water

Final Oaths for Surveyors.

LIST OF NAMES.

A list of the names of the individuals employed by Lewis Wolfley
 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 subdivision and meander lines of T. 10 + 11 N.
R. 3 E. of the principal base and meridian in the Territory of Arizona, showing the
 respective capacities in which they acted.

- Compassman.
- Antonio Miranda Chainman.
- Jesus Gutierrez Chainman.
- Gilbert H. Rhodes Axman.
- Axman.
- Henry T. Andrews Flagman.

Final Oaths of Assistants.

We hereby certify that we assisted Lewis Wolfley U. S. Deputy Sur-
 veyor, in surveying all those parts or portions of the subdivision and meander lines of township 10 + 11 N. R. 3 E.
 of the principal base and meridian, Territory of
 Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his di-
 rection; 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.

- Compassman.
- Antonio Miranda Chainman.
- Jesus Gutierrez Chainman.
- Gilbert H. Rhodes Axeman.
- Axeman.
- Henry T. Andrews Flagman.

Subscribed and sworn to before me this 22 day of April 1884

[Seal.]

Lewis Wolfley
 U. S. Deputy Surveyor

Final Oath of U. S. Deputy-Surveyor.

I, Lewis Wolfley U. S. Deputy Surveyor, do solemnly swear that in
 pursuance of instructions received from Royle A. Johnson U. S. Surveyor-Gener-
 al for Arizona, bearing the date of the 13 day of March 1884 I have
 well, faithfully, and truly in my own proper person and in strict conformity with the instructions fur-
 nished by the U. S. Surveyor-General for Arizona, the surveying manual, and the laws of the United
 States surveyed all those parts or portions of the subdivision and meander lines of township 10 + 11 N. R. 3 E.

Gilbert H. Rhodes Axman

Axman.

Henry J. Andrews

Flagman.

Final Oaths of Assistants.

We hereby certify that we assisted *Lewis Wolfley* U. S. Deputy Surveyor, in surveying all those parts or portions of the subdivision and meander lines of township *10 + 11 N. R. 3 E.* of the principal base and meridian, 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.

Compassman.

Antonio Miranda

Chainman.

Antonio Miranda

Chainman.

Gilbert H. Rhodes

Axeman.

Axeman.

Henry J. Andrews

Flagman.

Subscribed and sworn to before me this *22nd* day of *April* 188*4*

[Seal.] *Lewis Wolfley*
U. S. Deputy Surveyor

Final Oath of U. S. Deputy-Surveyor.

I, *Lewis Wolfley* U. S. Deputy Surveyor, do solemnly swear that in pursuance of instructions received from *Royle A. Johnson* U. S. Surveyor-General for Arizona, bearing the date of the *13* day of *March* 188*4* I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the U. S. Surveyor-General for Arizona, the surveying manual, and the laws of the United States, surveyed all those parts or portions of the subdivision and meander lines of township *10 + 11 N. R. 3 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 me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions 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.

Lewis Wolfley

U. S. Deputy-Surveyor.

Subscribed and sworn to before me this *6th* day of *May* 188*4*

[Seal.] *John W. Gray*
Notary Public.

