

Compared

Platted

No. 888

888

Field Notes

BOOK 888

OF THE SURVEY OF THE

SUBDIVISION LINES

BOOK 888

-OF-

No. 888

Township 18 South Range 18 East

Gila and Salt River Base and Meridian

ARIZONA.

By Lewis Wolfley D. S.

under contract dated Feb. 28th 1884

Survey commenced March 20th 1884

Survey completed March 28th 1884

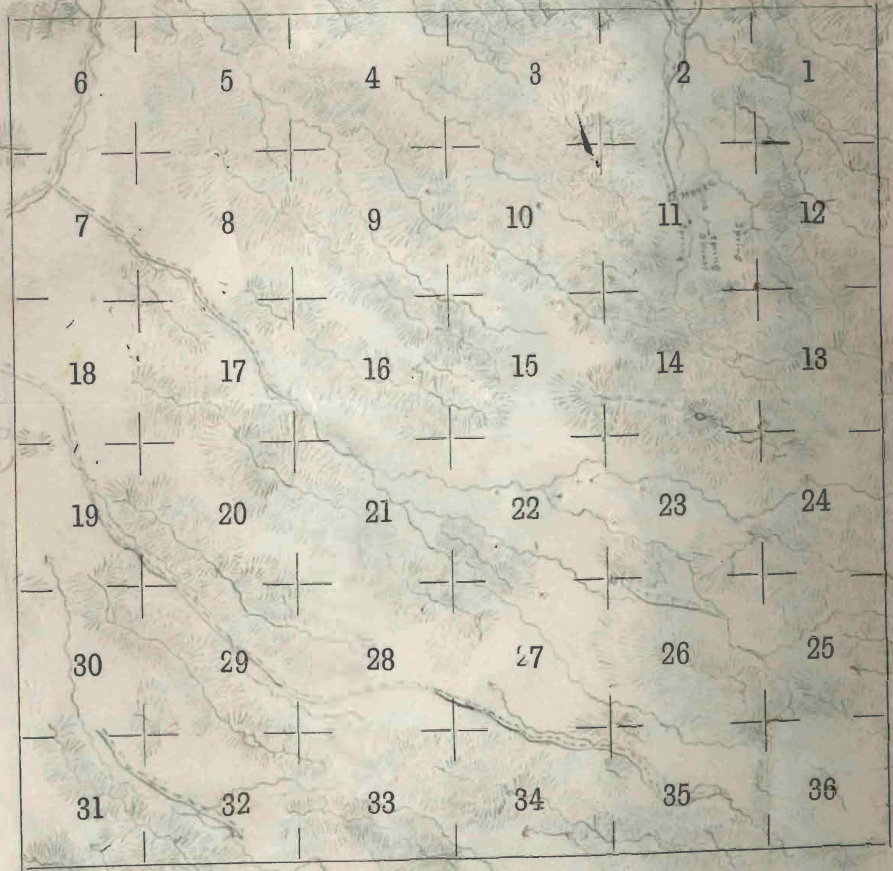
Indexed

BOOK 888

INDEX DIAGRAM.

Township *18 South*

Range *18 East - 943 P.M.*



Gila and Salt River, Arizona.

ARIZONA.

For Preliminary notes and
description of instrument
see Book No. 1. Survey
of Extensions.

Subdivision, Lewis

F
S. 18 S.

R. 18 E.

Qnd S. R. M.

BOOK 888 INDEX.

Township 18 South, Range 18 East,

Gila and Salt River Meridian.

6	87.	5	62.	4	47.	3	31.	2	15.	1
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76.		74.		55.		40.		24.		8.
19	73.	20	54.	21	38.	22	23.	23	6.	24
71.		70.		53.		37.		21.		5.
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Referring the lines to the pages of the field notes.

S. 18 S. P. 18 E. G. 2d S. B. M.

Lehman

No. 888

From the cor. to sec. 1-2-35+36.
on S. P. of T_p, recently established
by me. June.

Woods bet. sec. 35. + 36

Var. 12° 30' E

Descend.

60.

Across arroyo 30 lbs. wide cor.
N. W. and ascend.

3000

Top of ridge bet. E. + W. and
descend.

4000

Set a lineiron 15 x 9 x 5 in. 10
in. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ W. face, and paced
a mound of stone alongside.
Pits unpracticable.

5000

Across arroyo 20 lbs. wide. course
N. W. and ascend.

5600

Top of ridge bet. N. W. and
S. E. and descend.

8000

A lineiron in place 3 x 3 x 2 ft.

S. 18 S. B. 18 E. G. 2d S. B. N

chains.

above ground which I mark with
1 notch on S. and 1 notch on E.
edge, and with a cross (+) at
exact corner point for cor. to
sec. 25-26-35+36 and passed
a mound of stone alongside,
from which bears

An oak 4 mi. in diam. N. 85°

N. 8 lbs. dist. marked.

" 18 S. B. 18 E. S. 26 B. I.

No other trees within limits
Surface, Mountainous and broken
Soil rocky + 4th rate.

Vegetation Fair grass.

T. 18 S. R. 18 E. S. 24 S. 2. N.

Chain

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

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

Descend.

23.00 Cross Ravine course N. W. and
ascend.

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

58.00 Top of mountain about 1000
ft. high bet. N. W. and S. E.,
and descend.

80.64 Intersect E. By. of Twp. 37 lbs
S. of cor. to sec. 25-30-31 + 36.
recently established by me.
from which corner, I run.

S. $89^{\circ} 44' W.$ on a true line bet.
pts. 25 + 36. with same var.

40.32 Set a limestone $24 \times 20 \times 12$ in.
18 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face and
paved a surround of stone

J. 18 S. R. 18 E. Q. + S. R. M.

Chamie.

alongside.

Pit impracticable.

80.64 The cov. to sec. 25-26-35+36.
Surface, Mountainy broken
Soil Rocky - 3 + 4th pale.
Vegetation Hair Grass.

Went bet. sec. 25+26.

Par. 12° 36' E.

Descend along N.E. slope.

38.00 Cross arroyo 40 pks. wide co.
N.W.

4000 An oak tree pit inches in dia
in line, which I mark 1/4 S. on
N. face, for 1/4 sec. cov. and piled
a mound of earth around tree
Ascend.

8000 Set a limestone 14x8x6 in. 10

J. 18 S. B. & E. G. & S. B. K.

chains.

me. in the ground, for cor. to sec.
23-24, 25 & 26 marked with 1
notch on E. and 2 notches on
S. edges, and raised a mound
of stone alongside.

Pits impracticable.

Surface, Mountainous & broken.

Soil Rocky & $\frac{1}{2}$ rate.

Timber Scattering oak.

Vegetation Fair grass

Duct, on a random line bet.
secs. 24 & 25.

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

Ascend main mountain.

4000
80.66
Set a temporary $\frac{1}{4}$ sec. cor.
Intersect E. Bdy. of T₁, 47 lbs.
S. of cor. to sec. 19-24-25, 030
recently established by me
from which cor. I run.

T. 18 S. R. 18 E. G. 2d S. R. 10

Lehman

S. $89^{\circ}40'$ W. on a true line bet.
secs. 24 + 25. with same var.

40.33

Set a limestone $28 \times 16 \times 12$ ins.
20 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face, and
raised a mound of stone
alongside.

Pit impracticable.

80.66

Cor. to secs. 23-24-25+26.
Surface Mountainous
Soil Rocky 4th rate.
Timber Splintering oak.

North bet. secs. 23 + 24

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

Ascend.

27.00

Top of ridge 300 ft. high.
bet. S. W. and N. E. and
descend.

J. 18 S. B. 18 E. G. 2d S. B. 16

Behavio.

34.00 Cross Harris corner S. W.
40.00 Set a limestone $26 \times 13 \times 8$ ins.
20 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on W. face
and raised a mound of stone
alongside.

Pit's impracticable.

70.00 Top of peak 350 ft. high.
bet. E. + W. and descend

80.00 Set a sandstone $16 \times 8 \times 4$ ins.
11 ins. in the ground for. cor.
to sec. 13-14-23 + 24 marked
with 3 notches on S. and 1
notch on E. edge, and raised
a mound of stone alongside
Pit's impracticable.

Surface. Mountainous and broken.
Soil Rocky & $\frac{1}{2}$ rate.

Vegetation Fair grass.

J. 18 S. B. 18 E. T. 2nd S. B. M.

Lehavis.

East on a random line bet.
secs. 13 x 24.

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

Over broken ridges.

40.000

Set a temporary $\frac{1}{4}$ sec. cor.
Ascend S. W. slope of mountain.

80.36

Intersect E. By. of Twp. 40 lbs.
N. of cor. to secs. 13-18-19 & 24
recently established by me,
from which cor. I run.

$\text{N } 89^{\circ} 43' W.$ on a true line
bet. secs. 13 & 24 with same var.

40.18

Set a line $20 \times 12 \times 7$ in.
15 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N face, and
raised a mound of stone
alongside.

Plat impracticable.

80.36

The cor. to secs. 13-14-23 & 24
Surface Mountainous & broken.

T. 18 S. R. 18 E. G. 24 S. R. 18

Chains.

Sib Rocky - 4 th rods.
 Timber Scattering Cedar.
 Vegetation rank grass.

Route bet. sec. 13 + 14.
 Pas. 120 45' E.

descend.

28.00 across dry creek, 20 ~~ft~~ wide.
 course W and ascend.

35.00 Top of spur bro. E + W, and
 descend.

40.00 Set a lineiron 16 x 13 x 8 in.
 11 in. in the ground, for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ in W. face, and
 raised a mound of stone along
 side.

Pit impracticable.

80.00 Set a lineiron 14 x 8 x 8 in
 9 in. in the ground, for cor. to

S. 18 S. N. 18 E. Grd S. N. N.

Lehman.

secs. 11-12-13 & 14, marked with
1 notch on E. and 4 notches on
S. edges, and raised a mound
of stone alongside.

W. to impracticable.

Surface. Mountainous & broken.

Soil. Stony. 3rd rate.

Vegetation's Good Grass.

March, 20th 1884

East, on a random line bet.
secs. 12 & 13.

Par. 12° 45' E.

Over broken land.

- 18. 00 Descend into cañon co. N. W.
- 36. 00 Bottom of cañon and ascend.
- 40. 00 Set a temporary 1/4 sec. cor.
- 48. 00 Top of mountain, show 800 ft.
high. to. N. W. & S. E. & descend.

T. 18 S. R. 18 E. G. 2d S. R. 16.

Chains

- 79.84 Sintered E. By. of T_v. 33 lbs.
S. of cor. to secs. 7-12-13+18
recently established by me,
from which cor. I run
S 89° 46' W. on a true line
bet sec. 12 + 13. with same var.
- 39.92. Set a limestone 19 x 13 x 10 ins
14 ins in the ground, for 1/4 sec.
cor. marked 1/4 on W face and
paved a mound of stone along
side.
Cite impracticable.
- 79.84 The cor. to secs. 11-12-13+14
Surface. Very mountainous & broken
Soil Rocky - 4th rate.
Timber. Scattering oak.
Vegetation Fair grass.

J. 18 S. R. 18 E. G. S. R. M.

chains.

Route bet. secs. 11 + 12.

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

Descend gradually.

32.00

Descend abruptly.

38.40

Cross creek "Gold water"

Corral line. $N 63^{\circ} W$. 5- chs. dist.

40.00

Set a limestone $14 \times 12 \times 8$ in.
9 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.

46.00

Leave creek bottom, line, $N. W.$
and ascend over broken ridges.

80.00

Set a granite stone $16 \times 12 \times 5$
ins. 10 ins in the ground for
cor. to secs. 1-2-11+12, marked
with 1 notch on E, and 5 notches
on S. edges, and raised a mound
of stone alongside.

T. 18 S. R. 18 E. G. and S. R. 18

Lehman's.

Pits impracticable.
 Surface. Very mountainous, &
 broken.
 Soil Rocky. 4 $\frac{1}{2}$ rate.
 Timber. Some oak.
 Vegetation's Fair grass.

East on a random line bet.
 sec. 1 & 2.

Sec 12045 'E.

Ascend.

- 10.00 Top of spur bet. N. W. and S. E.
 and descend.
- 21.00 Bottom of cañon course N. W.
 and ascend.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 59.00 Top of spur 300 ft. high bet.
 N. W. & S. E. and descend.
- 80.14 Intersect E. Ry. of Sp. 28-lks. N.

J. 18 S. B. 18 E., Twp. 3 N. R. 10 W.

chains,

of cov. to pecc. 1-6-7+12, recently established by me, from which cov. spans.

B. 89° 40' W. on a true line bet. pecc. 1+12 with same cov.

4007 Set a limestone 15 x 13 x 7 in. 9 in. in the ground for $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on N face, and piled a mound of stone alongside.

Pits impracticable.

80, 14 The cov. to pecc. 1-2-11+12 Surface. Mountains - broken Soil strong - 4th rate.

Vegetation Herquit's 3^d page.

J. 18 S. B. 18 E. G. 24 S. B. 18

chain.

North, on a random line bet.
pegs, 1 + 2.

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

Ascend over broken ridges.

19.50 Top of mountain spur bet.
B. $60^{\circ} W.$ and S. $60^{\circ} E.$

20.00 Descend to cañon.

35.00 Bottom of cañon 200 ft. deep.
course N. $70^{\circ} W.$ and ascend.

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

42.00 Top of ridge bet. N. $70^{\circ} W.$
and descend.

80.40 Intersect N. B. of Sp. 22 lbs.
E. of cor. to pegs, 1-2-35 + 36.
recently established by me,
from which cor. I ^{var.} _{bet. pegs, 1 + 2}
S. $9^{\circ} E.$ on a true line with
same var.

40.40 Set a limestone $18 \times 10 \times 6$ ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.

T. 18 S. R. 18 E. T. 2d S. R. 16

Chavis

see cov. marked 74 on W. face,
and passed a mound of elm
alongside.

Pit impracticable.

80.40 The cov. to sec. 1-2-11+12.
Surface. Mountains & broken
Soil Rocky. 3rd/₄ & 4th/₄ pale.
Vegetation Fair grass.

J. 18 S. R. 18 E. Q. 1 W. S. R. M.

Chains

From the cor. to sec. 2-3-34 +
35. on S. Ry. of Sp. recently
established by me. In situ.
Route bet. sec. 34 + 35.

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

Ascend.

4. 00 Top of ridge 200 ft. high.
bet. N. W. and S. E. and descend.

18. 00 Foot of ridge.
Oak tree 24 inches in diam.
on line

Ascend.

36. 00 Top of ridge bet. N. W. and
S. E. and descend.

40. 00 Set a sandstone 24 x 6 x 4 ins.
20 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face and
raised a mound of stone along
side.

It is impracticable

T. 18 S. R. 18 E. G. 2d S. R. 10.

Lehans.

41.00 Cross road bet. N. W. and S. E.

46.00 Across dry creek 1.00 ch. wide. across N. W. and ascend.

80.00 Set a limestone 20 x 15 x 4 in. 15 in. in the ground, for cor. to sec. 26-27 34 + 35 - marked with 2 notches on E, and 1 notch on S. edges, and passed a mound of stone alongside. Not impracticable.
Surface. Mountainous + broken.
Soil Rocky, 4th pat.
Vegetation Fair grass.

J. 18 S. B. 18 E. G. 2^d S. B. W.

chain

East, on a random line bet. sec.
26. + 35.

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

5.00 Top of ridge bet. N. W. and
S. E. and descend.

22.00 Cross arroyos 30 lks. wide cross
N. W.

38.00 Ascend.

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

80.32 Intersect N. + S. line 27 lks. N
of cor. to sec. 25-26-35+36.
Thence I run

N $89^{\circ}48'$ W. on a true line
bet. sec. 26 + 35.

Par. same,

40.16 Set a limestone $12 \times 10 \times 4$ in.
9 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N face, and
piled a mound of stone
alongside.

T. 18 S. R. 18 E. G. 24 S. R. 10.

Lehainic.

Pit impracticable.

80.32

The cor. to sec. 26-27-34+35.
Surface. Mountainous + broken
Sub Rocky - 4 th/₄ pale.
Vegetation some grass

Wrench bet. sec. 26 + 27.

Par. 12° 30' E.

8.00

Across Arroyo 1.00 ch. wide,
course W. and ascend.

40.00

Set a limestone 16 x 10 x 6 ins.
10 ins. in the ground for ¹/₄ sec.
cor. marked ¹/₄ m W. face and
piled a mound of stone along
side from which bear an
Oak tree 12 ins. in diam. S.
100 W. 75 lbs. dist. marked ¹/₄
S. B. I.

47.05

An oak 10 ins. in diam. on line.

T. 18 S. R. 18 E. G. 2 S. R. 10.

Chassis.

70.00 Cross Arroyo 2 chs. wide, course
W. and ascend.

80.00 Set a benchmark 14x6x5 ins.
8 ins. in the ground for cor. to
sec. 22-23 & 26+27 marked
with 2 notches on E. and 2
notches on S. edges, and raised
a mound of stone alongside.
Pipe impracticable.
Surface Mountainous + broken.
Soil Rocky. $\frac{1}{2}$ rate.
Vegetation - Fair grass.

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

Cor. $13^{\circ} 27' E.$

2.00 Ascend
39.75 Top of ridge bet. W. W. and S. E.
and descends.

T. 18 S. R. 18 E. 1st and S. R. 18 E.

Chasms.

- 4 000 Set a temporary $\frac{1}{4}$ sec. cov.
 6 3.00 Cross Arroyo. 30 lks. wide.
 course N. E. and ascend.
 8 0.16 Intersect N. & S. line 36 lks.
 S. of cov. to secs. 23-24-25+26.
 Thence survey
 S. $89^{\circ} 45'$ W. on a true line
 bet. secs. 23+26 with same obs.
 4 008 Set a limestone $24 \times 12 \times 3$ ins.
 18 ins. in the ground for $\frac{1}{4}$ sec.
 cov. marked $\frac{1}{4}$ on N face and
 raised a mound of stone along
 side.
 Site impracticable.
 8 0.16 The cov. to secs. 22-23-26+27.
 Surface Mountainous & broken
 Soil Rocky & $\frac{1}{2}$ pale.
 Vegetation Some grass.
 I carefully examined the

J. 18 J. B. & C. G. & S. B. M.

Chamie,

adjustments of my solar
Compass today, particularly
the latitude and reversing
apparatus and found them
correct.

March, 21st 1884

Worth, bet sec. 22 + 23.

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

Over broken and mountainous
land.

34.00 across Barine 100 ft. deep,
3.00 chs. wide across W.

40.00 Set a limestone $13 \times 10 \times 5$ ins.
8 ins. in the ground for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on W. face and
raised a mound of stone alongside.
Site impracticable.

64.00 across Arroyo 70 lks. wide co. N.W.

T. 18 S. R. 18 E. Gnd S. R. 10

Chassis.

80.00 Set a limestone 14 x 10 x 9 in.
8 in. in the ground for cor.
to sec. 14-15-22 + 23 marked
with 2 notches on E. and 3
notches on S. edges, and paved
a mound of stone alongside.
Pit impracticable.
Surface Mountainous & broken
Soil Rocky, 4th rate.
Vegetation Good Grass.

East, on a random line bet.
sec. 14 + 20.

Var. 12° 45' E.

11.00 Second slope bet. W. + S.
40.00 Set a temporary 1/4 sec. cor.
52.00 Highest position S. slope of
mountain peak and descent.
54.00 Peak 700 ft. high bet. 6 ch. to

J. 18 S. R. 18 E. T. 3^d S. R. N.

chain.

- 69.00 across ridge bet. N. W. and S.
E. and descend.
- 80.30 Intersect N. & S. line 42 lbs.
N. of cor. to sec. 13-14-23 +
24 Thence down.
N. $89^{\circ}42'$ W. on a true line
bet. sec. 14. + 23 with same vac.
- 40.15 Set a limestone $16 \times 18 \times 10$ ins.
10 ins. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face. and
raised a mound of stone
alongside.
Ditch impracticable.
- 80.30 The cor. to sec. 14-15-22 + 23.
Surface Mountainy & broken
Soil Rocky, 3rd & 4th rate.
Vegetation Good Grass.

T. 18 S. R. 18 E., T. 21 S. R. 18 E.

Lehman's

Work bet. sec. 14 + 15:

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

- 12.00 Ascend spur bet. E. & W.
 20.00 Top of same and descend.
 36.00 Leave foot of spur.
 40.00 Set a limestone $20 \times 14 \times 10$ ins.
 14 ins. in the ground, for $\frac{1}{4}$ sec.
 cor., marked $\frac{1}{4}$ on W. face, and
 dug pits, $18 \times 18 \times 12$ ins. N. & S.
 of stone, $5\frac{1}{2}$ ft. dist., and raised
 a mound of earth, $1\frac{1}{2}$ ft.
 high, $3\frac{1}{2}$ ft. base alongside.
 53.00 Ascend ridge.
 64.00 Top of ridge bet. E. & W. & descend.
 67.00 Cross Caribbe 1.00 ch. wide corner
 N. W.
 80.00 Set a limestone $18 \times 16 \times 12$ ins.
 12 ins. in the ground for cor. to
 sec. 10-11-14 & 15 marked with
 2 notches on E. and 4 notches on

T. 18 S. R. 18 E. G. 4 S. E. No.

Lehaino.

S. edges, and paved a mound
of stone alongside.

Pits unprofitable.

Surface, Mountainous & broken,
Soil Rocky - 4th rate.

Vegetation, Saw grass.

East, on a railroad line bet.
secs. 11 & 14,

Loc. 12° 38' E.

Ascend.

22.00 Top of spur, 100 ft. high, bet.
N. W. & S. E., & descend

3.000 Deep Arroyo 50-60 lks, wide cor.

36.00 ^{to} top of spur, ascend, S. side descend,

4.000 Set a temporary 1/4 sec. cor.

80.34 Intersect N. & S. line 24 lks. N.
of cor. to secs. 11-12-13 & 14.

Thence I saw,

T. 18 S. R. 18 E. G^{2d} S. R. 16

chains

N 89° 50' W. on a true line bet.
secs. 11 + 14. with same cov.

40.17 Set a limestone 13 x 10 x 8 in.
8 in. in the ground for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on the face and
paved a mound of stone
alongside.

Field impracticable.

80.34 lev. to secs. 10 - 11 - 14 + 15.
Surface. Mountainous + broken.
Soil Rocky - 4th pale.
Vegetation - poor grass.

North bet. secs. 10 + 11.

Par. 12° 45' E.

Ascend.

20.00 Top of ridge 300 ft. high.
bet. N. W. S. E. + descend.

35.00 across arroyo 30 lbs. birds course

T. 18 S. R. 18 E. G. 24 S. R. 16

Chambers

N. W. and ascend,

4 0.00

Set a limestone $10 \times 10 \times 8$ ins. $\frac{6}{16}$ ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ 00 N. face, and passed a mound of stone along side.

Pits impracticable.

6 7.00

Top of ridge 200 ft. high bet. N. W. & S. E. over broken ridge

8 0.00

Set a limestone $18 \times 12 \times 4$ ins. 12 ins. in the ground for cor. $\frac{6}{16}$ sec. 2-3-10 & 11 marked with 2 notches on E. and 5 notches on S. edges, and passed a mound of stone along side.

Pits impracticable

Surface, Mountainous & very broken
Soil Rocky. 4th rate.
Vegetation Fair grass.

J. 18 S. P. 18 E. Grd, S. P. M.

Lehman.

East, on a random line bet,
secs. 2 + 11.

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

Ascend.

2. 00 Top of ridge 200 ft. high,
bet, W. W. and S. E. and
descend.

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

4 5 00 Cross road bet. W. & S.

4 9 00 Cross deep creek 26 lbs. wide,
course N. (abundant water)

5 7 00 Cross creek 18 lbs. wide, course,
W. (Good water in pannes)

8 0. 18 Intersect W. & S. line 22 lbs.

W. of cov. to secs. 1-2-11+12.

Thence S. run.

N. $89^{\circ} 51'$ W. on a true line bet,
secs. 2 + 11. with same var.

4 0. 09 Set a limestone $18 \times 12 \times 7$ ins.
12 ins. in the ground, for $\frac{1}{4}$ sec.

T. 18 S. R. 18 E. G² S. B. R. M.

Chains.

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

80. 18 The cor. to sec. 2-3-10 & 11,
Surface. Mountainous & broken.
Soil Rocky - 3rd rate.
Vegetation Good Grass.

North, on a random line bet.
secs. 2 & 3.

Dev. 12° 45' E.

3. 00 Top of ridge bet. N. W. and S.
E. and descend.

26. 00 Top of same and ascend.

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

58. 00 Top of spur 20 ft. high, bet
N. W. & S. E. and descend.

80. 34 Intersect N. Ry. of T₁₈ S. R.
E. of cor. to sec. 2-3-34 & 35.

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

Behavio.

recently established by me.
from which cor. & par.

S. 8. E. on a true line bet. peco.
2 + 3. with same par.

40. 34 Set a limestone 15-x10-x6 in.
9 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and
paved a mound of stone
alongside.

80. 34 The cor. to peco. 2-3-34 + 35.
Surface Mountainous & broken
Soil Rocky - 4 $\frac{1}{2}$ rate.
Vegetation Good grass.

T. 18 S. R. 18 E. G. 2d S. R. 16

Lehans.

From the cor. to sec. 3-4-33+34
on S. Ry. of Sp. recently established
by me. Run.

North bet. secs. 33+34

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

descend.

5.00 Cross Arroyo 20 lbs. with co.
N. W. and ascend.

4.00 Set a limestone $14 \times 12 \times 4$ ins.
8 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and
piled a mound of stone
alongside.

Pit impracticable.

5.6.00 Top of ridge $17\frac{1}{2}$ ft. high.
bet. N. W. and S. E. & descend.

8.0.00 Set a sandstone $20 \times 14 \times 12$ ins.
14 ins. in the ground, for cor. to
secs. 27-28-33+34, marked
with 3 notches on E. and 1 notch

T. 18 S. R. 18 E. G. 24 S. R. 16

Lehanna.

on S. edge, and passed a
 mound of stone alongside.
 Pits impracticable.
 Surface, Mountainous & broken.
 Soil Rocky 3rd & 4th rate.
 Vegetation Good grass.
 March, 22nd 1884.

Cacti on a random line bet.
 sec. 2nd & 34

1 / Pas. 12° 45' E.

28.00 cross road bet. N. W. & S. E.
 37.00 cross dry creek 2.90 chs. wide.
 co. W. I

40.00 bet a temporary 1/4 sec. cor.
 80.18 intersect W. & N line 40 chs.
 W. of cor. to sec. 26-27-84 & 85-
 1/2 sec spur

N. 89° 43' W. on a true line bet

T. 18 S. R. 18 E. Q. 34 S. R. M.

Lebanon.

see, 27 + 34 with same wav.

40.09 Set a sandstone 20 x 6 x 8 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.

Pit impracticable.

80.18 The cov. to see, 27-28-33 + 34.
Surface, Montanitic & broken.
Soil Rocky. 3 $\frac{1}{4}$ rats
Vegetation good grass.

North, bet. see. 27 + 28.

Pav. 12° 42' E

Over mountainous land

19.00 Cross road, bet. N. W. & S. E.

40.00 Set a granite stone 12 x 10 x 8
in. 6 in. in the ground for
 $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on W. face.

7 18 S. B. 18 E. T. and S. R. W.

Chassis.

and raised a mound of stone
alongside.

Site impracticable.

74.00

Top of Aug. 200 ft. high, bro.
N. W. and S. E. and descended,

80.00

Set a granite stone 15x14x9
ins. 9 ins. in the ground, for
cov. to pces. 21-22-27+28
marked with 3 notches on E.
and 2 notches on S. edges
and raised a mound of
stone alongside.

Site impracticable.

Surface. Mountainous & very broken
Soil - Rocky. 4th rate.
Vegetation Good grass.

J. 18 S. R. 18 E. G. 20 S. R. M.

Chamie

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

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

Over mountainous land and
ascend.

11.40 Cross cañon 3.50 chs. wide
cs. N. W. 2nd ascend.

21.00 Top of ridge bet. N. + S. over
broken lands.

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

64.00 Cross Arroyo 36 lbs. wide cs.
N. W.

80.30 Intersect N. + S. line 15 lbs.

S. of cor. to secs. 22-23-26 + 27
thence S. run.

S. $89^{\circ} 53'$ W. on a true line bet.
secs. 22 + 27 with same par.

40.15 Set a limestone $16 \times 13 \times 5$ in.
18 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face and

J. 18 S. R. 18 E. Q. 20 S. R. 18

Chains.

passed a mound of stone along
side.

Pile impracticable.

80, 20. The Cor. to sec. 21-22-27 + 28
surface. Mountainic & broken.
Soil, stony and $4\frac{1}{2}$ pale.
Vegetation, good grass.

North, bet. sec. 21 + 22,

Cor. $12^{\circ} 45' E$,

Ascend to cañon.

12, 00 Bottom of cañon, Co. N. W.

15, 00 Ascend.

30, 00 Leave cañon.

32, 00 Cañon 4 ch. wide Co. N.

40, 00 Set a limestone $16 \times 10 \times 4$ in.

10 in. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. face, and
passed a mound of stone

T. 18 S. R. 18 E. Twp. 1 N. R. 10 W.

chain,

alongside.

Pit impracticable.

58.00 Cross course 6 chs. wide. 200
ft. deep. course. W.

74.00 Double mesquite 10 pie. in diam.

8.000 Set a limestone 18" x 12" x 7" pie.
9 pie. in the ground, for cor.

to. sec. 15 + 16 - 21 + 22 marked
with 3 notches on E. and 3
notches on S. edges and paved
a surround of stone alongside.

Pit impracticable.

Surface. Mountainous, 4th broken,
with deep canons.

Soil 3rd rate.

Vegetation Good grass.

T. 18 S. R. 18 E. G. 24 S. R. 16.

Lehman.

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

Par. $130^{\circ}45'$ E.

Over broken and mountainous
land.

4 000 Set a temporary $\frac{1}{4}$ sec. cor.

79.90 Intersect N. + S line 24 lbs.

S. of cor. to sec. 14-15-22+23.

Thence S. par.

S. $89^{\circ}50'$ W. on a true line, bet. sec.
15 + 22, with same par.

89.95 A limestone $3 \times 3 \times 2$ ft. in
place, which I mark with a
(+) cross, at exact corner point,
and $\frac{1}{4}$ on N. face, for $\frac{1}{4}$ sec.
cor. and paced a mound
of stone alongside.

It is impracticable

79.90. The cor. to sec. 15-16-21+22.
Surface mountainous, and rocky

T. 18 S. R. 18 E. G. 1 S. T. 1 N.

Lebanon

Soil - 3rd rate.
Vegetation Good Grass

North, bet. sec. 15. & 16.
Var. 12° 45' E.

Ascend.

19.00 Top of spur 170 ft. high.
bet. N. W. & S. E. & descend.

33.00 Cross Arroyo 36 lbs. wide course.
N. W. and ascend.

40.00 Hit a limestone 30 x 8 x 6 in.
24 in. in the ground, for 1/4
sec. cor. marked 1/4 on N. face,
and paved a mound of stone
alongside.

Pit impracticable

60.00 Top of spur 200 ft. high.
bet. N. W. & S. E. and descend.

77.00 Cross Arroyo 80 lbs. wide course.

J. 18 S. R. 18 E. G. and S. R. 16

chains:

H. W.

8000

Set a limestone 24 x 20 x 10 in.
18 in. in the ground for cor.
to sec. 9-10, 15+16. marked
with 3 notches on E. and 4
notches on S. edges and
paved a mound of stone
alongside.

Pile impracticable.

Surface Mountainous and broken.

Soil. Rocky. 3rd/₄ pale.

Vegetation good grass.

Exact, on a pan down line's bet,
sec. 10 + 15.

Cor. 12° 36' E.

Over broken and mountainous
land.

4000

Set a temporary 1/4 sec. cor.

T. 18 S. R. 18 E. G. 2 S. R. 18 E.

Chains.

- 64.00 Top of spur 160 ft. high.
 bis. N. W. + S. E. and descend.
- 80.26 Intersect N. + S. line as lks.
 S. of cor. to sec. 10-11-14 + 15.
 thence down.
 S. 89° 51' W. on a true line bet;
 sec. 10 + 15. with same var.
- 40.13. Set a line stone 16 x 13 x 7 in.
 10 in. in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on N. face, and
 raised a mound of stone
 alongside.
 Pipe impracticable.
- 80.26 The cor. to sec. 9-10-15 + 16
 surface Mountainous + broken.
 Soil Rocky. 4th rate
 Vegetation Fair grass.
-

T. 18 S. R. 18 E. G. 2d S. R. 10

Chassis

North bet. sec. 9 + 10.
 Par. $12^{\circ} 30' E.$

Over broken ridge.
 Ascend,

16. 00

38. 00

Top of spur, 200 ft. high,
 be. N. W. + S. E. and descend,

40. 00

Set a limestone, $20 \times 13 \times 12$
 in. 16 in. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.
 face and passed a mound
 of stone alongside.

Note impracticable,

46. 00

cross arroyo, 20 lbs. wide
 cross N. W. and ascend,

68. 00

Top of spur, be. N. W. and
 S. E. and descend,

80. 00

Set a limestone $15 \times 12 \times 12$ in.
 8 in. in the ground for cor,
 to sec. 3-4 of 9 + 10 marked with
 3 notches on E. and 5 notches on

J. 18 S. R. 18 E. T² S. R. 18 E.

Chassis.

I edged and passed a mound
of stone alongside.

Rife impracticable.

Surface Mountainous and broken,
Soil - Rocky - $\frac{1}{4}$ rate.

Vegetation Some grass.

I carefully examined the
advantages of my solar
compass today, particularly
the latitude and pervasively
apparent and found them
correct.

March, 24th 1884.

East, on a random line bet,
pers. 8 + 10.

Par, 12° 30' E.

Decend.

J. 18 S. C. 18 E. G. 2^d S. C. M.

Chains,

S. 10' E. on a true line bet. sec.
3. + 4. with same var.

40. 28 Set a limestone 15 x 12 x 7 in.
9 in. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ in N.
face, and raised a mound
of stone alongside.

Pit impracticable.

80. 28 The cor. to sec. 3-4 9 x 10
Surface, Mountainous & broken.
Soll Rocky. 4 $\frac{1}{4}$ rate.
Vegetation good grass.

T. 18 S. R. 18 E. G. 1 S. R. 18 E.

Chains.

From the cor. to sec. 4-5-32
+ 33 on S. By. of Sp. recently
established by me. Run
North bet. sec. 32 + 33,
Per. $12^{\circ} 45' E$.

Ascend gradually.

36.00 Top of spur 326 ft. high,
bet. E. & W. and descend.

40.00 Set a sandstone $16 \times 10 \times 6$ ins,
10 ins. in the ground, for $\frac{1}{4}$ sec,
cor. marked $\frac{1}{4}$ on W. face and
passed a mound of stone
alongside.

City impracticable

47.00 Cross Arroyo 30 lbs wide across
N. W. and ascend

64.00 Top of spur bet. N. W. & S. E.,
and descend

80.00 Set a granite stone $18 \times 14 \times 10$
ins. 12 ins. in the ground for

T. 18 S. R. 18 E. G. 4th S. R. W

chains

cor. to recs. 28-29-32+33. marked with 1 notch on S. and 4 notches on E. edges. and placed a mound of stones alongside.

Plot impracticable; surface. Contains 3rd broken Soil Booby. 4 1/2 rats; Vegetation Fair grass.

East, on a random line bet. recs. 28+33.

Per 120°30' E.

4. 00 Ascend
 16. 00 Top of spur bet. S. E. & descend.
 + 0. 00 Set a temporary 1/4 sec. cor.
 80. 10 Intersect N + S. line, 22 lbs
 S. of cor. to recs. 27-28-33+34.
 Hence know.
 S. 89°57' W. on a true line bet.

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

Behaviors

4 0.00 Set a granite stone, 14 x 12 x 9
ins. 8 fin. in the ground, for
1/4 sec. cor. marked 1/4 on N
face, and placed a mound
of stone alongside.

Pits unperforated.

8 0.10 The cor. to secs. 28-29-32+33.
Surface Mountainy & broken.
Soil Rocky - 4% rate.
Vegetation Fair grass.

Cont. bet. secs. 28 & 29

Par. 120° 30' E

Descend.

8.50 Cross Arroyo 40 lbs. wide.
cross N. W. and ascend.

10.00 Cross wagon road N. W.
and S. E. and ascend.

J. 18 S. R. 18 E. Grd S. R. N.

Chamie.

4 0 0 0

Set a granite stone $14 \times 12 \times 7$ ins.
8 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.

Pile impracticable.

6 0 0 0

Top of open ho. to W. & S. E.
and descend.

8 0 0 0

Set a limestone $17 \times 10 \times 4$ ins.
10 ins. in the ground, for cov.
to sec. 20 - 21 - 28 + 29 marked
with 2 notches on S. and 4
notches on E. edges, and
raised a mound of stone
along side.

Pile impracticable

Surface Mountainousnd broken,
Sub Rocky, 3rd rate.

Vegetation Good Grass.

T. 18 S. R. 18 E. G. 3rd S. R. W.

Lehavis.

No. 888

East, on a random line bet.
secs. 21 + 28.Pac. $120^{\circ} 30' E$,Over broken and mountainous
land,40.00 Set a temporary $\frac{1}{4}$ sec. cor.

46.00 Ascend,

68.00 Top of ridge bet. R. W. and
S. E. and descend,80.34 Intersect N. + S. line 27 lbs.
N. of cor. to secs. 21-22-27+28
Thence runN $89^{\circ} 48' W$, on a true line
bet. secs. 21 + 28, with same cor.40.17 Set a line stake $17 \times 12 \times 4$ in.
11 in. in the ground, for $\frac{1}{4}$ sec,
cor, marked $\frac{1}{4}$ on N face
and placed a mound of
stone alongside.
It is impracticable.

T. 18 S. R. 18 E. G. 2nd S. R. 16

Lehans.

80.34 The cor. to sec. 20-21-28 & 29
 surface. Mountainous & broken
 soil. Rocky. 4 ^{to}/₄ pale.
 Vegetation Fair grass.

North. bet. sec. 20 & 21.

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

Over mountainous land

0.00 Set a granite stone $16 \times 12 \times 7$ in.
 10 in. into the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ on W. face, and
 passed a mound of stone
 alongside.

Site impracticable.

2.00 Top of spur 200 ft. high. bro.
 N. W. & S. E. and descends

0.00 Set a granite stone $28 \times 16 \times 12$ in.
 21 in. into the ground for cor.
 to sec. 16-17 & 20 & 21. marked

J. 18 S. E. 18 E. Q. 2nd S. R. M.

Lehanna.

with 4 notches on E. and 3
notches on S. edge, and passed
a mound of stone alongside.

Pite impracticable.

Surface Mountainous and broken.
Soil Rocky - 4th rate.

Vegetation Good Grass.

Cacti on a prairie level bet.
secs. 16. + 21.

Par. 12° 45' E.

Over broken and mountainous
land.

7.00 Cross dry creek 70 lbs. wide
course N. W.

40.00 Set a temporary 1/4 sec. cor.

79.96 Intersect N. + S. line 64 lbs.

N. of cor. to sec. 15-16-21+22
Thence draw.

T. 18 S. R. 18 E. G. 2nd S. R. M.

Lehanis,

39.98

N. 89° 33' W. on a true line bet-
secs. 16 + 21. with same var,

Set a granite stone 16 x 10 x 7
in. 11 in. in the ground for
1/4 sec. cor. marked 1/4 on N. face.
and raised a mound of stone
alongside.

Pity, impracticable.

79.96

The cor. to sec. 16 - 17 - 20 + 21.
Surface, mountainous & broken.
Soil Rocky - 4th rate.

Vegetation of Fuzzy Grass.

March, 25th 1884.

J. 18 S. C. 18 E. $Q \frac{3}{4}$ S. C. N.

chains.

North, bet. sec. 16 + 17.

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

Descend.

16.00 Cross cañon & che. wide course
N. W.

4000 Set a granite stone $13 \times 10 \times 7$
in. & 6 in. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N.W.
face, and raised a mound
of stone alongside.

Pito impracticable.

74.00 Top of spur. 375 ft. high.
bet. W. W. and S. E. and descend.

8000 Set a granite stone $16 \times 14 \times 12$
in. 11 in. in the ground, for
cor. to sec. 8-9 + 16 + 17. marked
with 4 notches on E. + S. edges
and raised a mound of
stone alongside.

Pito impracticable.

T. 18 S. R. 18 E. S. 1st & 2nd S. R. 18 E.

Lehans.

Surface, Mountainous and broken.

Soil Rocky & $\frac{1}{4}$ rate.

Vegetation Fair grass.

East on a random line bet:
secs. 9 & 16.

Var. $12^{\circ} 35' E$.

Descend.

38.00 Foot of descent and ascend.

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

54.00 Top of spur bet. N. W. and S. E. and descend.

78.10 Cross dry creek 30 lbs. wide course N. W. and ascend.

79.76 Intersect N. & S. line 40 lbs N of cor. to sec. 9-10-15+16 Thence Spur.

N $89^{\circ} 43'$ W. on a true line

T. 18 S. R. 18 E. 9th S. R. 16

Lehans.

bet. sec. 9 + 16, with same cov.
 39.88 Set a granite stone 13x12
 x 7 ins. 7 ins. in the ground
 for $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$
 on N face, and passed
 a mound of stone along
 side.

City impracticable.

79.76 The cov. to sec. 8-9-16+17.
 Surface. Mountainous and
 broken.

Soil Rocky - 3rd rate.

Vegetation Good Grass

North bet. sec. 8. + 9.

Par. 12048 E.

Over broken and mountainous
 ridges.

4000 Set a granite stone 18x12x7 ins.

T. 18 S. R. 18 E. G. 2nd S. R. 16.

Beharrie.

10 mic. in the ground for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on N. face, and
raised a mound of stone along
side.

Pile impracticable.

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

80.00 Set a granite stone 12x10x7
mic. 7 mic. in the ground for
cov. to sec. 4-5-8+9, marked
with 4 notches on E. and 5
notches on S. edges, and
raised a mound of stone
alongside.

Pile impracticable.

Surface, 16 quartzites and broken
soft Rocky 4th rate,
Peyton's Fair Grass.

J. 18 S. R. 18 E. T² S. R. N.

Lehans

- East, on a random line bet.
4 + 9.
Pas. $12^{\circ} 48' E$.
- 10.00 Cross arroyo 40 lks. wide, course
N. W.
- 12.00 Ascend ridge
- 40.00 Set a temporary $\frac{1}{4}$ sec. cov.
- 48.00 Top of ridge 200 ft. high bet.
N. W. and S. E. and descend
- 80.20 Intersect N. and S. line 24 lks.
W. of cov. to sec. 3-4-9 + 10.
Thence S. W.
- N. $89^{\circ} 50' W$. on a true line bet
sec. 4. + 9 with same pas.
- 140.10 Set a limestone $24 \times 13 \times 12$ in.
19 in. in the ground. for $\frac{1}{4}$ sec.
cov. marked $\frac{1}{4}$ on N. face, and
raised a mound of stone
alongside.
Pit impracticable.

J. 18 S. B. 18 E. G. 3^d S. B. M.

Lehman.

80. 20 They cov. to perc. 4-5 + 8 + 9
Surface. Mountainous + broken.
Silt. Rocky. 4th rate.
Vegetative Fair Grass.

Went, on a random line bet.
perc. 4 + 5.

Par. 12° 45' E.

28. 00 Lenses from, 30 lbs. wide
course N. W. and ascend
40. 00 Silt a temporary $\frac{1}{4}$ perc. cov.
57. 00 Top of spur, 1200 ft. high,
bet. N. W. and S. E. and descend.
79. 98 Intersect W. By of Sp. 25
lbs. E. of cov. to perc. 4-5-
32 + 33 recently established by
my from which cov. I run.
S. 12' E. on a true line bet.
perc. 4 + 5. with same var

J. 18 J. B. 18 E. G. 2d J. B. M.

chains

39.98 Set a limestone $14 \times 12 \times 5$ in.
9 in. in the ground, for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face. and
piled a mound of stone
alongside.

Pile impracticable

79.98 The cor. to sec. 4-5-8, + 9.
Surface Mountainous & broken
Soil Rocky, 4th rate.
Vegetation. Fair grass.

J. 18 S. R. 18 E. Gnd S. R. N.

Lehman.

From the cor. to sec. 3-6-31+32.
on S. B. of T^h recently
established by me, Amos.
North bet. sec. 31+32.

Par. $12^{\circ} 42' E.$

Ascend.

- 16.00 Top of ridge 200 ft. high,
Pro. E. & W. and descend
- 34.00 Cross Arroyo 31 lbs. wide corner
N. W.
- 38.00 Cross road bet. N. W. & S. E.
and descend.
- 40.00 Set a granite stone $10 \times 10 \times 5$
ins. 5 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 impracticable.
- 80.00 Set a granite stone $16 \times 8 \times 6$ ins.
10 ins. in the ground for. cor.

T. 18 S. R. 15 E. G. 2 S. B. 10

Chassis

to secs. 29-30-31+32. marked
with 5 notches on E. and 1
notch on S. edges, and
paved a road of stone
along side.

Pit impracticable.

Surface, Mountainous + broken
Soil Rocky - it is pale.

Vegetation Fair Grass.

Cut, on a random line bet.
secs. 29. + 32.

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

Descent.

- 21.00 Foot of descent and ascent.
40.00 bet a temporary $\frac{1}{4}$ sec. cov.
46.00 Top of ridge 3.10 ft. high.
bet. 36. SW. + S. E.
60.00 Descent from same.

T. 18 S. R. 18 E. S. 1, R. 16

Lehans

79.94 Intersect N. & S. line 28 lbs. N of cor. to sec. 28-29. 32 + 33.
Thence S. 100° W.

N. 89° 48' W. on a line line bet. sec. 29 + 32 with same cor.

39.97. Set a granite stone 13x12x7 in. 7 in. in the ground; four $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N face and passed a mound of stone alongside.

Pit impracticable.

79.94 The cor. to sec. 29-30-31+32. Surface. Mountainous & broken. Soil Rocky. $\frac{1}{4}$ pale. Vegetation Good grass.

J. 18 S. R. 18 E. G^{2d} S. R. 18 E.

Lehman's

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

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

Decend.

31.00 across road bet. W. W. & S. E.

32.00 across survey 35 lbs. wide,
corner W. W. and ascend.

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

51.00 Top of ridge bet. W. W. &
S. E. ^{2d} descend.

79.20 Intersect N. By. of Sp. 15 lbs.
W. of cor. to sec. 25-30-31+36,
which is a post, 3 mi. sq.
set in ground of each marked
T 18 S. S. 30 on W. E.
R. 18 E. S. 31 on S. E.
R. 17 E. S. 36 on S. W. and
S. 25 on W. W. face, with 5
notches on W and 1 notch on
S. edge, and with pits in

T. 18 S. R. 18 E. Grd S. R. M.

Chamis.

each sec. from which cor. Iron
 N. 89° 54' E. on a true line bet.
 sec. 30. + 31. with same cov.

39. 20. Set a granite stone 14 x 10 x 4 ins.
 9 ins. into the ground, for $\frac{1}{4}$ sec.
 cov. marked $\frac{1}{4}$ on N. face, and
 placed a mound of stone
 alongside.

79. 20 The cor. to sec. 29-30-31+32
 surface. Mountainine + broken.
 Soil Rocky - 4th pale.
 Vegetation Fair Grass.

March, 26th 1884

T. 18 S. R. 18 E. G^{2d} S. R. M.

Behrens

Route bet. sec. 29 + 30.

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

Ascend.

- 8.00 Top of spur 250 ft. high.
bet. N. W. and S. E. + descent.
- 34.00 Foot of same and ascend
- 40.00 Set a granite stone $14 \times 11 \times 8$ in. 8 in. in the ground, for
 $\frac{1}{4}$ sec. cov. marked $\frac{1}{4}$ on W. face
and raised a mound of stone
alongside.
- Pilot impracticable.
- 46.00 Top of spur 400 ft. high.
bet. N. W. + S. E. + descent.
- 80.00 Set a granite stone $17 \times 12 \times 4$ in.
11 in. in the ground for cov.
to sec. 19-20-29 + 30, marked
with 5 notches on E. and 2 notches
on S. edge, and raised a
mound of stone alongside.

J. 18 S. R. 18 E. G. 2d S. R. 16

Lehans,

Pite impracticable
 Surface Mountainous & broken
 Soil Rocky - 4 $\frac{1}{2}$ rods.
 Vegetation of Fair grass.

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

Par. 120 45' E.

Descent.

- 8.00 Cross road bet. N. W. & S. E.
- 8.50 Cross Arroyo 40 lbs wide ca.
 N. W. and ascend gradually.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cpr.
- 43.00 Top of cpr. 220 ft high bet
 N. W. & S. E. and descend.
- 40.25 Intersect N. & S. line 42 lbs.
 N. of cor. to sec. 20-21-28+29.
 Thence S. on
 N. 89° 42' W. on a true line bet. sec.

T. 18 S. R. 18 E. G. 2 S. R. 10 W.

Lehans

20 + 29 with same var.

40.14

Set a granite stone 13 x 14 x 7
ins. 9 ins. in the ground for $\frac{1}{4}$
sec. cov. marked $\frac{1}{4}$ on N face
and placed a mound of stone
alongside.

Diff. impracticable.

80.28

The cov. to sec. 19-20-29+30.
Surface Mountaining + berr broken
Soil Rocky - 4th salt.
Vegetation Some grass.

Went on a random line bet.
sec. 19 + 30.

Par. 12° 45' E.

9.00

Top of spur 150 ft. high, bet.
W. and descends.

40.00

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

68.00

Cross Arroyo 60 lbs. wide enee.

J. 18 S. R. 18 E. G. 2d S. R. 16

Lehavis.

H. W.

79. 24

Intersect W. By. of Sp. 13 lks.
W. of cor. to refs. 19-24-25+30
which is a post set in earth
ground, ungrubbed.

J. 18 S. J. 19 on W. E.
R. 18 E. J. 30. on S. E.
R. 17 E. J. 25: on S. W. and
J. 24 on W. W. face, with 4
notches on W. and 2 notches
on S. edges, with pits in each
rec, from which cor. I run.
H. 89° 54' E. on a true line bet. recs
19+30 with same var.

39. 24

Set a granite stone 14 x 11 x 5 ins,
9 ins. in the ground for 1/4 sec,
cor. marked 1/4 on W. face and
paved a mound of stone
alongside.

Pit's impracticable.

T. 18 S. R. 18 E. G. 3d S. R. 11

Chambers

79.24 The cor. to sec. 19 20-29+30
Surface. Rough.
Soil Rocky 3rd rate.
Vegetation Fair grass.

Crub. bet. sec. 19 + 20.
Mar. 12th 1885-E.

14.08 across road bet. N. W. and S. E.

15.20 across Arroyo 30 lbs. wide course
N. W. and ascend.

36.00 Top of ridge 126 ft. high.
bet. N. W. and S. E. and
descend.

40.00 Set a limestone 20 x 13 x 12 in.
14 in. on the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N. face
and raised a mound of stone
alongside.
Pit impracticable.

I. 18 S. B. 18 E. G. 2d S. R. N.

chains

54.00 Foot of descent + over broken land.

80.00 Set a limitone $27 \times 12 \times 6$ ins. 21 ins. in the ground for cor. to sec. 17-18-19 + 20. marked with 5 notches on E. and 3 notches on S. edges, and placed a mound of stone alongside. Pile unpredictable. Surface, Mountainous + broken. Soil Rocky. $4 \frac{1}{2}$ pale. Vegetation Some grass

East on a pseudo line bet. sec. 17 + 20.

Par. 120 ± 5 E.

Over mountainous land.

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

62.00 Top of spur 4.50 ft. high.

S. 18 S. B. & E. 2nd S. B. M.

- 79.90
1
 hrs. N. W. and S. E. and decend
 Intersect N. + S. line 54 lbs.
 N. of cor. to recs. 16-17-20+21.
 Hence I run.
 N. $89^{\circ} 37'$ W. on a true line
 bet. recs. 7+20, with same
 var.
- 39.95 Set a granite stone 15 x 9 x 4
 ins. 10 ins. in the ground, for
 1/4 rec. cor. marked 1/4 on N
 face and paired a mound
 of stone alongside.
 Not impracticable.
- 79.90 The cor. to recs. 17+18+19+20.
 Surface Mountainous & broken
 Soil Rocky. 4th rate
 Vegetation Fair grass.

T. 18 S. R. 18 E. Gnd S. P. No

Lehainis

Went on a random line bet.
secs. 18 & 19.
Par. 12° 38' E.

Descend gradually.

40.00 Set a temporary $\frac{1}{2}$ sec. cov.
44.00 Cross road bet. W. W. & S. E.
45.00 Cross Arroyo 60 lks. wide course
W. W. and ascend.

58.00 Top of ridge 170 ft. high, bet.
W. W. and S. E. descend.

79.60 Intersect W. Ry. of Sp. 74 lks.
N. of cov. to secs. 13-18-19+24
which is in bad condition, a
post lying on the ground,
and pits nearly obliterated.
I set post in a mound of
earth, and redig pits and
pinnacle post.

T. 18 S. S. 18, on W. E.,
R. 18 E. S. 19, on S. E.

S. 18 S. C. 18 E. 1st S. P. N.

Chassis.

C. 17 E. S. 24 on S. W.

S. 13 on N. W. faces with 3 notches on N. & S. edges. from which cor. Iron

N. 89° 28' E. on a true line bet. recs. 18 + 19 with same cov.

39.60

Set a granite stone 15" x 10" x 4" in. 9 in. in the ground for 1/4 sec. cov. marked 1/4 on N. face, and placed a mound of stone alongside.

Pit is unpracticable.

79.60

The crypto recs. 17-18-19 + 20
 Supposed to be 3 - 1/2 + 4 - 1/4 rods.
 Vegetation good grass.

T. 18 S. R. 18 E. G. 2/4 S. R. 18

Lehain's

Booth bet. secs. 17 + 18.
Cor. 12° 45' E.

Ascend gradually.

34.50 Top of bridge 25ft. high.
bet. N. W. and S. E. and
descend.

40.00 Set a granite stone 12 x 9 x 8
ins. 7 ins. in the ground for
1/4 sec. cor. marked 1/4 on N.W. face,
and passed a mound of stone
alongside.

Pit impracticable.

80.00 Set a granite stone 15 x 10 x 9 ins
9 ins. in the ground for cor. to
secs. 7-8-17+18 marked with
5 notches on E. and 4 notches
on S. edges and passed a
mound of stone alongside.

Pit impracticable.

Surface, Mountainous & broken.

T. 18 S. R. 18 E. G. 3^d S. R. 16

Lehainis

Soil 3rd + 4th rate.
 Vegetation - Some grass.

East, on a random line bet-
 sec 8 + 17. Par. $12^{\circ} 45'$ E.

Ascend

- 10.00 Top of spur 75 ft. high, bet.
 N. W. and S. E. and descend.
- 31.00 Cross dry creek. 75 lbs. wide
 course N. W.
- 40.00 Set a temporary $\frac{1}{4}$ sec. cor.
- 64.00 Top of spur 400 ft. high bet.
 N. W. and S. E. and descend.
- 80.84 Intersect N. + Line ± 2 lbs
 N. of cor. to sec. 8-9-16+17.
 Thence N. W.
- N. $89^{\circ} 51'$ W. on a true line bet.
 sec. 8 + 17 with same var.

J. 18 J. R. 18 E. G. 2^d J. R. 18

Lehans.

40.27 Set a granite stone 12x10x8
ins. 6 ins. in the ground for
1/4 sec. cov. marked 1/4 on 3^o
face and paired a mound of
stone alongside.

Pts. unobtainable.

80.54 The cov. to sec. 7-8-17+18.
Surface Mountainous & broken
soil. Rocky - 4th rate
Vegetation: Some grass.

March. 27th 1884.

West. on a pasture line bet.
sec. 7+18.

Par. 12° 30' E.

Over broken and mountainous
land.

4000 Set a temporary 1/4 sec. cov

T. 18 S. R. 18 E. G. and S. B. 16

Lehman

79. 72 Entered W. B. of Tp. 34 lke;
 N. of cov. to sec. 7-12-13+18.
 which I find in bad condition
 the part lying on the ground,
 and the pits sand ground
 almost obliterated; Inset post
 in mound of earth and
 mark it.

T. 18 S. S. 7. on N. E.
 R. 18 E. S. 18. on S. E.
 R. 17 E. S. 13. on S. W. and
 S. 12. on N. W. faces with e.
 notches on N. and 4 notches
 on S. edges. and pegs pits to
 proper size.

Thence I run.

N. $89^{\circ} 45'$ E. on a true line bet.
 sec. 7+18 with same var.

39. 72 Set a granite stone 12x10x10 in.
 Ties. in the ground, for $\frac{1}{4}$ sec. cov.

T. 18 S. R. 18 E. 3rd S. R. 16

Chains

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

Pl. impracticable.

79.72 The cov. to sec. 7-9-17+18.
Synclinal bedding. 3rd rate.
Soil Rocky + 3 $\frac{1}{4}$ rate.
Vegetation good grass.

Cont. bet. sec. 7+8.

Pos. 12° 45' E.

8.00 Top of spur, 80 ft. high,
bet. W. W. and S. E. + descends

16.00 across dry wash 70 lbs. wide
course W. W.

40.00 Set a limestone 15 x 9 x 5 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
alongside.

J. S. K. & E. G. S. P. M.

Lehman

Pits impracticable.

80.00 Set a sandstone 20 x 6 x 5 in.
15 in. in the ground for cov. to
pecc. 5-6-7+8 marked with
5 notches on E. + S. edges
and raised a mound of
stone alongside.

Pits impracticable.

Surface Mountainous.

Soil 3rd rate.

Vegetation Good grass.

East on a random line bet.
pecc. 5. + 8.

Par. 12° 48' E

Ascend.

40.00 Set a temporary 1/4 sec. cov.
48.00 Top of spur 150 ft. high.
bet. N. W. and S. E. and descend.

J. 18 S. B. 18 E. G. 2^d S. T. N.

Behaviors

- 54.00 across dry creek. 30 lbs, wide,
corner W. W.
- 80.40 Intersect B. + S. line 30 lbs,
B. of cov. to sec. 4-5-8 + 9
thence S run.
B 89° 47' W. on a true line.
left sec. 5 + 8 with same cov.
- 40.20 Set a limestone 20 x 13 x 12 in.
14 in. in the ground, for 1/4
sec. cov. marked 1/4 on B face,
and passed a mound of stone
alongside.
Pit impracticable.
- 80.40 The cov. to sec. 5-6-7 + 8.
Surface. Mountainous + broken,
Soil Rocky - 3rd rate.
Vegetation Fair grass

T. 18 S. R. 18 E. G. 2d S. R. N.

Chambers

West on a random line bet.
secs. 6 + 7.

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

Descend gradually.

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

47.00 across Cienega Creek, 1.00 ch,
wide corner N. E.

49.00 across old road from Pantano
to Total Wreck Gravel bar.
N. E. + S. W.

52.00 ascend along S. slope of
ridge.

80.33 Intersect N. By. of Twp. 72 lbs
C. of cor. to sec. 6-7+12,
which is a post set firmly
in a mound of earth marked
T. 18 S. R. 18 E.

R. 18 E. S. 7. on S. E.

R. 17 E. S. 12. on S. W. and

S. 1. on N. W. face, with 1 moleh

T. 18 S. R. 18 E. Q. 2^d S. R. 16

Chairs

on R. + 5 notches on S. edges,
and pits in each sec.

Thence S. 100° 29' E. on a true line
with same var.

40. 33 Set a sandstone 16 x 10 x 5 ins.
10 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on R. face.
Dug pits 18 x 18 x 12 ins. E. & W.
off stone, 5 $\frac{1}{2}$ ft. dist, and
traced a mound of earth
 $1\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base alongside.

80. 33

loc. to sec. 5-6-7+8.
Surface Mountainy & broken
with Rocky - 3rd & 4th rates.

Vegetation Fair grass.

March 27th 1884.

J. 18 S. B. 18 E. Grd S. R. N.

chains

Went on a random line bet.
secs. 5 + 6.

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

Over broken land.

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

80.24 Intersect N. Pt. of T^v. 40 lks
E. of cor. to sec. 5-6-31 + 32.
recently established by me,
from which cor. taken.

S. $17' E.$ on a true line bet. secs.
5 + 6, with same cor.

40.24 Set a limestone $20 \times 13 \times 12$ ins.
14 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face, and
passed a mound of stone along
ride.

Pile impracticable,

80.26 Len. to sec. 5-6-7 + 8,

Surface Mountainous + broken,
Soil Rocky. 3rd rate.

purposes.
 Indications of mineral veins
 noticed, throughout the Twp,
 but of a very low grade.
 Leisegang Creek flowing
 through Secs. 6 + 7 furnishes
 an abundant supply of
 good water for cattle.
 There are three Springs in
 Sec. 11, the property of
 applicants for survey. Also
 two houses in same sec.
 Soil Rocky and in most
 parts, 4th grade.

Final Oaths for Surveys.

BOOK 888

LIST OF NAMES.

A List of the Names of 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 *Extension and Subdivision*
lines of T¹ 18 South-
Range 18 East

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

Samuel A. Hawbelt
P. Joseph Harst
Albert H. Rhodes Assessor
Geo. A. Souney. Flagman



Final Oaths of Assistants

We hereby certify that we assisted Lewis Wolfley, U. S. Deputy Surveyor, in surveying The exterior and subdivision lines of Tp 18 South Range 18 East G. S. R. P. M.

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

Wm. H. [Signature] Chairman
Joseph Hart Chairman
[Signature] Assessor
Geo. J. Gourley Flagman

Subscribed and sworn to before me this 28th day of March, 1880

Walter B. Neil
Notary Public.



Final Oath of U. S. Deputy Surveyor.

I Lewis Wolfley

United States Deputy Surveyor, do solemnly swear that in

pursuance of instructions received from Royal C

Johnson U. S. Surveyor General for Ari-

zona bearing date of the 28th day of July

1887. I have well, faithfully, and truly, in my own proper

person and in strict conformity, with the instructions furnish-

ed by the U. S. Surveyor General for Arizona, the surveying

manual and the laws of the United States surveyed the

Exterior and Subdivision

lines of T¹p 18 South

Range 18 East

of the principal base and meridian in the Territory of Ari-

zona, as are represented in the foregoing fields notes as having

been surveyed by me and under my direction; and I do further

solemnly swear that all the corners of the said survey have been

established and perpetuated in strict accordance with the survey-

ing manual, printed instructions, the special written instruc-

tions of the U. S. Surveyor General for Arizona, and in the

44

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 Wolff

U. S. Deputy Surveyor.

Subscribed and sworn to before me, this 31st day of March, 1884

Walter B. M

Notary Public.



BOOK 888

6-2

leh.

H. C.

6.

8

U. S. Surveyor General's Office,

Tucson, Arizona, June 19, 1884,

The foregoing Field Notes of the Survey of the

Subdivision line of
Township 18 South
Range 18 East

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

ted by Lewis Wolfley,

Deputy Surveyor, under his contract of the 28th

day of February, 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

Royall Johnson
Surveyor General.