

1274

1274 BOOK 1274

1

P1

F I E L D N O T E S
OF THE SURVEY OF THE
RETRACING OF EXTERIOR BOUNDARIES

Tps, 11, 12, 13, 14 & 15 N., Rs.
23, 24, 25 & 26 E.

Gila and Salt River Base and
Meridian,

ARIZONA.

By O. D. Wheeler, D.S., under
Contract Dated May 31, 1882.
Survey commenced July 11, 1882.
Survey completed July 29, 1882.

India

1A

Retracings of
Anterior Boneplates

E -	7 N;	R. 20 E.	✓	✓
N -	" 11 N;	" 26 "	✓	✓
E -	" 12 N;	" 25 "	✓	✓
N + E -	" 13 N;	" 24 "	✓	✓
N + S -	" 14 N;	" 25 "	✓	✓
E, W -	" 14 N;	" 24 "	✓	✓
S -	" 15 N;	" 26 "	✓	✓
E -	" 13 N;	" 23 "	✓	✓

A

15 N 26

36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
102	67	63	55	22	28	27	60	52	57	65	67	69	70	72	74	75	77
1	6	5	4	3	2	56	1	6	5	4	3	2	1	6	5	4	3
101						54											
12	7					12	7	BOOK 1274				12	7				
99						52											
13	18	14N 24E				13	18	14N 25E			13	18	14N 26E				
97						50											
24	19					24	19					24	19				
95						48											
25	30					25	30					25	30				
93						47											
36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
123	104	106	107	109	111	109	38	37	40	42	43	23	31	32	33	34	35
1	6	5	4	3	2	35	1	6	5	4	3	2	1	6	5	4	3
121						33											
12	7					12	7					12	7				
119						32											
13	18	13N 24E				13	18	13N 25E			13	18	13N 26E				
118						31											
24	19					24	19					24	19				
116						29											
25	30					25	30					25	30				
114						28											
36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	
12	7					12	7					12	7				
13	18	12N 24E				13	18	12N 25E			13	18	12N 26E				
24	19					24	19					24	19				
25	30					25	30	BOOK 1274				25	30				
36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2
12	7					12	7					12	7				
13	18	11N 24E				13	18	11N 25E			13	18	11N 26E				
24	19					24	19					24	19				
25	30					25	30					25	30				
36	31	32	33	34	35	36	31	32	33	34	35	36	31	32	33	34	35
1	6	5	4	3	2	1	6	5	4	3	2	1	6	5	4	3	2

Preliminary Oaths of Assistants.

John Mahon, do solemnly swear that I will well and truly perform the duties of compassman, according to instructions given me, and to the best of my skill and ability, in the survey of the Exterior Retracing and subdivision lines of Tps 11 N., R 22 E., Tps 11. 12. 13 + 14 N. R 24 E. Tps 11. 12 + 14 N. R 25 E. + 11 + 15 N. R 26 E. G. + S. R. M.

John Mahon, Compassman.

Subscribed and sworn to before me this 8th day of July, 1882.

A. E. Shaemaker

U. S. Commissioner, 3d Judicial District,
Arizona Territory.

We Theodore Tress, H. Black
and J. Peterson + P. A. McFarland

do solemnly swear that we will well and faithfully execute the

duties of chain carriers; that we will level the chain upon even and uneven ground and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the Exterior,

Retracing and subdivision lines of T. 11 N. R. 22 E., T. 11. 12. 13 + 14 N. R. 24 E. Tho 11. 12 + 14 N. R. 25 E. + T. 11 + 15 N. R. 26 E. H. & S. R. M.

Theodore Friese, Chainman.

H. Black, Chainman.

J. Peterson, Chainman.

Subscribed and sworn to before me this 8th

day of July, 1882.

A. E. Shoemaker

U. S. Commissioner, 3d Judicial District, Arizona Territory.

J. M. Nelson

do solemnly swear that ~~we~~ ^I will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given ~~us~~ ^{me}, and to the best of ~~our~~ ^{my} skill and ability, in the survey of the Exterior, Retracing and Subdivision lines of T. 11 N. R. 22 E. Tps 11. 12. 13 + 14 of R 24 E. Tps 11. 12 + 14 of R 25 E + Tps 11 + 15 of R 26 E

J. M. Nelson, Axeman. Flagstaff

....., Axeman.

Subscribed and sworn to before me this 8th

day of July, 1887



A. E. Shumaker

U. S. Commissioner, 3d Judicial District, Arizona Territory.

I Johan Eiskner

do solemnly swear
that I will well and truly perform the duties of flagman,
according to instructions given me, and to the best of

my skill and ability, in the survey of the Exterior
Retracing + subdivision lines of the
11 A. R 22 E, Tps 11, 12, 13 + 14 A
R 24 E, Tps 11, 12 + 14 A, R 25
+ Tps 11 + 15 A R 26 E G. & S. R. M

Johan Eiskner, Flagman. + Assn.

Subscribed and sworn to before me this 8th
day of July, 1882.

A. E. Shoemaker

U. S. Commissioner, 3d Judicial District,
Arizona Territory.



No. 1274

Exterior E. B. J. 11 N. R. 25 E.

Gila and Salt River Meridian

Survey made with Burt's Patent Improved Solar compass, nearly new, and in first rate order made by Otto Permel of Basel Germany in 1881.

Before proceeding with the survey of the Exterior Boundaries, I examined and tested my instrument carefully and found it correct.

I took the latitude at the Cor. to Sp. 10 + 11 N.

R. 25 + 26 E. and found it to be $34^{\circ} 16'$ North.

Survey commenced July 11. 1881.

E. B. T. 11 N. R. 25 E

chains

From the cor. to Secs 10 & 11 N.
R. 25 & 26 E. which is a
Post, properly marked and
notches, set firmly in earth
mound, with pits, established
as per instructions of old

~~Manual~~ ^{Magazine} ~~first obtained~~ ^{the average} course of the line
From N. 17' W. on a random line
bet. Secs. 31 & 36.

Var. 8° 18' 8".

as per observation with Solar compass
ascend

40.00 To a point 19 lbs East of old
1/4 sec. cor. which is a Post

properly marked in earth
^{established as per instructions of old manual}
mound with pits. Dredging
pits to be of proper size.

45.45 Cross drain 10 lbs wide
course N. E. ascend

E. B. T. 11 N. R. 25 E.

Chain +

80.00

To a point 21 lbs East of old
cor. to Sec. 25, 30, 31 & 36, which
is a limestone properly marked
with earth mounds & pits.

Dredging pits and rebuilt mound

Return course is S 26° E.

Land rolling

Soil 3¢ rate

Vegetation of Bunchgrass

North 17' W. on a random
line bet. Secs. 25 & 30.

Cor. 12° 40' E.

Ascend

40.00

To ^{edge} 1/4 sec cor. which is a Basalt
stone, properly marked with
pits and earth mound.

75.00

Dip of spur to N. W. & S. E.

E. B. T. 11 N. R 25 E

class

descend

80.00 To old cor. to Secs. 19, 24, 25th 30
 which is a Basalt stone set
 firmly in the ground 14x6 ins
 properly marked, with pits
 and earth mound, Fredig
 pits and set wild mound.
 Land rolling, Soil 3^d out, Bunchgrass

N. 17' W. on a random line
 bet. Secs. 19 & 24.

Var. 14° 33' E.

descend

40.09 To old 1/4 sec cor. which is a
 limestone 14x8 ins. properly
 marked, with pits and earth
 mound, Fredig pits.

46.20 Cross Camp Apache Road,
 course N. E.

E. B. J. 11 N. R. 25 E.

Lains

72.60 cross Road course N. 17° W.

80.07 Gould cor. to secs. 13, 18, 19 & 24
 which is a volcanic stone
 properly notched, with pits
 and earth mound, Fredig
 pits and rebuild mound,
 Sand Rolling
 Soil 3^d rate
 Vegetation Bushgrass.

N. 17° W. on a random line
 bet. Secs. 13 & 18.

Var. 13° 13' E.

Secund

18.12 cross Road course N. 20° E.

39.91 Gould 1/4 sec. cor. which is
 marked
 a Post. in earth mound,
 with pits, Fredig Pits &

E. B. T. 11 N. R. 25 E.

chain

45.40 Cross Mineral creek Colles
 wide, course N. E. and ascend
 8000 Gold cor. to Sec. 7, 12, 13 & 18,
 which is a marked post.
 in earth mound with pits.
 I redig pits & rebuild mound
 Land Rolling
 Soil 3^d rate
 Vegetation Bunchgrass

N. 17' W. on a random line
 bet Secs. 7 & 12.

Var. 13° 18' E.

Descent

4000 Gold 1/4 sec. cor. which is
 a marked Post. in earth
 mound with pits. I redig
 pits.

E. B. T. 11 N. R. 25 E.

chain
8000

To old cor. to Secs. 16, 7 & 12.
which is a marked post
in earth mound with pits,
I redig pits and rebuild mound
Land Rolling
Soil 3^d rate
Vegetation Bunchgrass.

N. 17' W. on a random line
bet. Secs. 1 & 6.

Var. $11^{\circ} 33' E$

Ascend

- 36.16 cross Road course N. E.
39.78 To old $\frac{1}{4}$ sec. cor. which is a
marked post. in earth mound
with pits, I redig Pits and
rebuild mound.
79.16 To old cor. to Sp. 11 & 12 N.

E. B. P. 11 N. P. 26 8'

Chairs

Rs 25 & 26 C. which is a
lime stone properly watched
with stone mound on S. side
I. rebuild mound.

Land Rolling

Soil 2^d rate

Vegetation Bunch grass

Exterior N. B. T. 11 N. R. 26 E.

chains

Before proceeding further I made a change of 5 minutes in the latitude arc of my Solar Compass by adding same to the reading previously given, and it was verified and correct same by observation on the sun, I also further tested instrument by reversing.

From the bar to P^s 11+12
N. R. 25+26 E. From
East on a random line
bet. Secs. 6+8 1.

Var. $11^{\circ}48'E$

Ascend

449 Cross Road to Concho

N. B. T. 11 N. R. 26 E.

chains

course 100.

28.11 cross drain course N. and
euter dry Basin

41.63 To a point 68 lks S of old
1/4 sec. cor. which is a ~~marked~~
Limestone, with pits and
earth mound, I redig
pits and rebuild mound
with stones.

81.63 To a Point 63 lks South of
old cor. to Secs. 5.6. 31+32
which is a ^{properly} marked & ditched
point, with pits and earth
mound, I redig pits and
rebuild mound
Land level
Soil 1st rate
a few beders.
Vegetation of Ranch grass

N. B. T. 11 N. R. 26 E

chain

East on a random line bet.
Secs. 57 32.Var. $10^{\circ}18'E$

Ascend

- 34.00 Top of spur to N.S. and descend
- 40.82 To a point 21 lbs South of old
1/4 sec. cor. which is a marked
Basalt stone 12 x 8 ins with
Pits and earth mound
Dredg Pits.
- 75.35 Cross camp Apeche road
to N. E. S. W.
- 80.58 To a point 41 lbs South
of old cor. to Secs. 4. 5. 32 x
33. which is a ^{marked} Basalt
stone with stone mound,
Sand level Mesa
Soil 1st rate
a few scattering Juniper.

N. B. S. 11 N. R. 26 E.

chain

East on a random line
bet. Secs. 4 & 33.

Cor. $19^{\circ} 33' E$.

Descend

39.00 cross drain come in and
ascend

40.00 Found no trace of old $1/4$
sec. cor.

60.07 Top of spur bro N. S. and
descend

80.80 To a point 169 lbs North of
old cor. to Secs. 3, 4, 33 &
34, which is a notched
Silicestone, with pits and
earth mound, I redig
pits and rebuild mound.
From this corner
I run N. $88^{\circ} 48' W$.
on a true line.

N. B. S. 11 N. R. 26 E'

Chairs

bet. Secs. 4 & 33.

Var. $18^{\circ} 18' E'$

40.40 Deposited a marked stone
12 ins. in the ground, for $\frac{1}{4}$
Sec. cor. dug pits $10 \times 18 \times 12$
ins. Et W. of cor. $5 \frac{1}{2}$ ft. dist.
and raised a mound of
earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft. base
over it. In N. pit drove a
stake 2 ft long 2 ins. sq. 12 ins.
in the ground marked $\frac{1}{4}$ S.
on N. face.

80.80 The cor. W Secs. 4, 5. 32×33 .

Sand on mesa

Soil 2^d rate

Vegetation of Bunchgrass.

From the cor. W Secs. 3, 4.

N. B. T. 11 N. R 26 E.

chains

33 x 34. Inue

East on a random line bet.

Secs. 34 & 34.

Var. $18^{\circ}18' E.$

Descend

15.09 Cross drain course N. $10^{\circ} E.$

and ascend

37.13 Top of spur to N.S. & descend

~~37.13 Top of spur to N.S. and descend~~

40.29 To a Point 23 lbs South of

old cor. bet. which is a

Basalt stone $18 \times 9 \times 6$ ins. in

earth mound with pits

I redig pits and rebuild mound

54.50 Cross drain course N. $21^{\circ} E.$

ascend

80.70 To a Point 48 lbs South of

old cor. to Secs. 2, 3, 34 & 35.

which is a Basalt stone

N. B. T. 11 N. R. 26 E.

Chains

8 x 7 cus. set firmly in the
ground, properly marked,
with pits and Earth mound
Treading Pits.

Land on Mesa

Soil 2^d rate

Vegetation of Bunchgrass.

East on a random line, bet.
Secs. 2 + 35.

Var. 13.33'E.

Ascend

5.00 Top of spur to N 20° W x

descend

40.16 To a point 31 lbs South of old
1/4 sec. cor. which is a Bount
stone 14 x 8 x 6 cus. with earth
mound & pits, Treading pits

N. B. P. 11 N. R. 26 E.

chain

and rebuild mound.

42.40 Cross West 8 lbs wide, corner
N. 17° W. and ascend

53.00 Top of ridge hrs N. 30° W. &
descend

78.50 Top of spur hrs N. 30° W. & descend

80.37 To a point 49 lbs South of old
bur. to Secs. 1, 2, 35 & 36 which
^{marked}
is a Basalt stone 10 x 6 in.
set firmly in the ground
with stone mound along with
Fredig mound.

Land on Mesa

Soil 2^d rate

Vegetation of Bunchgrass.

Post on a random line bet.

Secs. 1 & 36.

N. B. S. 11 N. R. 26 E'

chains

Var. $13^{\circ}30' E'$

Descend

40.34 To a point 6 $\frac{1}{2}$ m. South of old
 $\frac{1}{4}$ sec. cor. which is a Bassett
 stone $157 \times 12 \times 4$ ins. properly
 marked, with pit and
 earth mound alongside.

52.60 Center of Sag, course N. $50^{\circ} W.$
 and ascend

60.10 Top of Ridge brs N. $20^{\circ} W.$ and
 descend.

80.60 To a point 4 $\frac{1}{2}$ m. South of
 old cor. of Sps 11 \times 12 N.
 R. 26 \times 27 E. which is a marked
 Limestone with pit and
 earth mound on S. side.
 Finding pits and set a well
 mound.
 The average course of this line is N. $89^{\circ} 11' 3'' E$
 Land on Mesa.

N. B. T. 11 N. Road E.

Soil 2^d rate

Vegetation of Bunchgrass

July 11, 1882.

Exterior. S. B. T. 12 N. R. 25 E.

chain

~~the~~ average bearing of the
 Having found the E. By of
 Sp. 12 N. R. 25 E. to be
 N. $2^{\circ}12'$ W. & S. $2^{\circ}12'$ E.
 I began at the closing cor.
 to Sp. 12 N. R. 25 & 26 E.
 which is a Post marked
 and notched, with 5
 pits and with mound of earth
 alongside, Fredig Pit & obs. to mound
 I take the latitude at this
 point and found it to be
 $34^{\circ}26'$ N. Hence I run
 $S 2^{\circ}12' E.$ on a random line
 bet. Secs 1 & 6.

Var. $13^{\circ}16' E.$

ascend

27.50 Top of spur to N. $60^{\circ} E.$ & descend
 4000 Found no trace of old 1/4
 sec. cor.

E. B. T. 12 N. R 25 E.

chains

- 74.80 Cross Road, corner N. 20° E.
 80.00 Found no trace of old cor.
 to Secs. 1, 6, 7 & 12.
 80.15 Cross Wash 7 lbs wide, course
 N. 30° E. and ascend
 111.25 Top of spur for N. W & S. E.
 and descend
 120.07 To a Point 32 lbs W. of old
 1/4 sec. cor. which is a Post-hole
 with pits, properly marked
 with Earth mound around post.
 From this cor. I run
 N. 2° 03' W. bet. Secs. 7 & 12
 Var. 13° 30' E.
 40.07 Set a Sandstone 18 x 10 x 4 ins.
 12 ins. in the ground for
 Cor. to Secs. 1, 6, 7 & 12,
 marked with 7 notches on N.
 & 5 notches on S. edges,

E. B. J. 12 N. R. 25 E.

chains

and raised a mound of
stone alongside Pit imp-
racticable.

Land broken, Soil 2^d rate
Vegetation of Bunchgrass.

N. 2° 03' W. bet. Secs. 1 & 6

Var. 13° 30' E.

4002 Set a Sandstone 16 × 8 × 6 ins.
11 ins. in the ground for $\frac{1}{4}$
sec. br. marked $\frac{1}{4}$ in W.
face, and raised a mound
of stone alongside, Pit imp-
racticable

8003 In bearing cor. to Sp. 12 N.
Rs. 25 × 26 E.

Land broken Soil 2^d rate
Vegetation of Bunchgrass

E. B. T. 12 N. D. 25 E.

chains

From the 1/4 sec. cor. bet.
Secs. 7 & 12 from S. $2^{\circ} 12' E$
in a random line bet. Secs.
7 & 12.

Var. $13^{\circ} 16' E$

Descend

11.73 cross wash 5ths wide, course
N. $50^{\circ} W$. and ascend

20.43 Top of spur to N. $70^{\circ} W$. and
descend

26.33 cross wash 8ths wide, course
N. $80^{\circ} W$. and ascend

39.98 To old cor. to Secs. 7, 12, 13
& 18 which is a Linnean
stone 14×4 ins. properly watched,
with stone worn down along the
land broken
Soil 3^d set
Vegetation of Panicum

E. B. S. 12 N. R. 25 E.

chains

S. $2^{\circ} 12' E$ on a random line
bet. Secs. 13 & 18.

Nor. $13^{\circ} 16' E$

ascend

2.00 Top of spur to N. $85^{\circ} W$. & descend
11.40 cross Wash 600 wide, course N. $83^{\circ} W$
and ascend

40.71 Doald $1/4$ Sec. Cor. which is a
marked limestone, with
earth mound and pits.
Fredig Pits and a small
mound.

41.25 Top of Ridge to N. $20^{\circ} W$. & descend

80.09 Doald Cor. to Secs. 13, 18, 19 & 24
which is a Post, ^{properly}
stitched, with Earth mounds
and pits. Fredig Pits.
Land broken
Soil 2^d rate

E. B. N. 12 N. R. 25 E

Chains

Vegetation of Punchgrass.

S. $2^{\circ} 12' E$. on a random line
bet. Secs. 19 + 24.

Var. $13^{\circ} 16' E$.

Descent

27.68 Cross Road course N. $20^{\circ} E$.

40.00 To old $\frac{1}{4}$ sec bor. which is
a volcanic stone properly
marked, with stone mound
alongside

62.80 Center of Sag, course N. $70^{\circ} E$.

Ascent

80.36 To old bor. to Secs. 19, 24, 25 + 30.
which is a volcanic rock
properly notched set firmly
in the ground, with mound
of rocks on S. side.

E. B. S. 12 N. R. 25 E.

Chairs

Land gently rolling.

Soil 2d. rate

Vegetation of Bunchgrass.

S. $2^{\circ}12'$ E. on a random line
bet. Secs. 25 & 30.

Var. $13^{\circ}16'$ E.

Ascend

21.21 Top of spur to N. W. & descend

40.14 Bold 1/4 sec bor. which is
marked limestone, with
earth mound and pits

63.25 Cross Sag course N. E.

80.14 Bold bor. to Secs. 25, 30.

31 & 36. which is a Marked
limestone, with earth
mound and pits & red
pits and rebuilt mound.

E. B. T. 12 N. R. 25 E.

Chains

Land gently rolling.
Soil 2d. rate
Vegetation of Bunch grass.

on a random line

S 2° 12' E. bet. Secs. 31 & 36

Cor. 13. 16' E.

Ascend

16.05 Top of ridge to S 70° W.
and S. 88° E. and descend.

40.55 To old 1/4 sec. cor. which is
a marked volcanic stone
with stone mound & pits.
Tredig pits and rebuild
mound.

80.29 To old cor. to Tps 11 & 12
N. Rs 25 & 26 E. which
is a Limestone 104' or 105'.
properly notched, with

C. B. T. 12 N. R. 25 E.

Chairs

Stone mound on S. side,
Land gently rolling
Soil 1st rate
Vegetation of Bunch grass.

July 14. 1882.

Exteriors E. B. T. 13 N. R. 24 E.

Chains

From the Standard Cor. to
Townships 13 N. Rs 24 & 25 E.
which is a volcanic stone
properly notched, set firmly
in the ground with stone
mound on E. side, some
^{on a random line}
North bet. Secs. 31 & 36.

Var. 13° 39' E.

40.00 Descend along slope of Hill
found traces of old cor. Rebuild
cor & set a Lava rock 16 × 8 × 9
ins. ^{for 1/4 sec. cor marked 1/4 on NW face} 11 ins. in the ground and
build a mound of stone along-
side, Pits impracticable.

63.00 Foot of Mountain 500 ft below
Summit to N. 70° W.

80.00 Found traces of old cor. rebuild same
Set a Lava rock 14 × 10 × 5 ins.
10. ins. in the ground for cor.

E. B. N. 13 N. R. 24 E.

chains

Secs. 25, 30, 31 & 36. marked
with 5 notches on N + 1 notch
on S. edges, dug pits 18" x 18" x 12"
ins. in each sec. 5/8 ft. dist.
and raised a mound of
earth 8 ft high 4/8 ft base
along side

Surface broken & unmountainous

Good grass

Soil 3^d rate

No timber.

North on a random line
bet. Secs. 25 & 30.

Cor. 13° 39' E.

Over rolling ground

40.00

Found no traces of old cor. I
re-establish summit lava rock

E. B. S. 13 N. R. 24 E.

chains

13 x 9 x 6 ins. 9 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W face, and raised a mound of stone alongside. Pits impracticable

80.00 Found in cor. Set a Post 4 ft. long. 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 19, 24, 25 & 30. S. 13 N. S. 19 on N. E. R. 25 E. S. 13 on S. E. S. 25 on S. W. and S. 24 on N. W. marked with 4 notches on N & 2 notches on S. edges, dug pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft dist. and raised a mound of earth 2 ft high 4 1/2 ft. base around post. Sand Rolling. Soil 2d & 3d rate Good grazing.

E. B. S. 13 N. R. 24 E.

Chairs

North on a random line bet.

Secs. 19 & 24.

Var. $13^{\circ} 39'$ E.

over Rolling Prairie.

2.15 Enter Juniper br. Et W.

40.00 Found no cor. Set a Sandstone

$19 \times 12 + 3$ ins. 10 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. N.W. of cor. $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base alongside.

80.00 Found no cor. Set a Sandstone

$32 \times 19 \times 9$ ins. 23 ins. in the ground for cor. to Secs. 13. & 8. 19×24 marked with 3 notches on N.W. edges, and raised a mound of stone alongside.

Ex B, S. 13 N. R. 24 E.

chains

Pits impracticable
Land rolling
Good grazing
Soil 2^d & 3^d rate

North on a random line bet.
Secs. 13 & 18.

Var. $13^{\circ} 39' E.$

Ascend

8.00 Top of Bluff to N. Ex S. W.
descend

13.00 Enter flat to S. E. & S. W. 4 ft
below bluff

40.00 Round up cor. Set a Sandstone
16 x 14 x 5 ins. 11 ins. in the
ground, for 1/4 sec. cor. marked
1/4 on W. face, and raised
a mound of earth 1 1/2 ft.

E. B. S. 13 N. R. 24 E.

Chains

high 9½ ft. base along side.
52.00 Coors Wash 20 lbs wide, to N. S. E.

80.00 Round old cor. nearly destroyed
Set a Sandstone 12 x 12 x 4 ins. 8 ins.
in the ground for cor. to see.

7. 12. 13. & 18 marked with 2 notches
on N & 4 notches on S. edges, dug
pits 18 x 18 x 12 ins. in each sec.

5½ ft. dist. and raised a mound
of earth 2 ft. high 4½ ft. base
along side,

Land rolling

Good grazing.

Soil 3¢ rate

Scattering Juniper.

North on a random line
bet. Secs. 7 & 12

E. B. S. 13 N. R. 24 E.

chains

Var. $13^{\circ} 39' E.$

Over flat surface

3.80 Cross Wagon Road to S. 80° W.
2 N. 80° E.

40.00 Found in cor. Set a Sandstone
 $13 \times 8 \times 6$ ins. 9 ins. in the ground
for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N. face, dug pits $18 \times 18 \times 12$ ins.
W. of stone $5 \frac{1}{2}$ ft. dist. and
raised a mound of earth $1 \frac{1}{2}$ ft.
high $3 \frac{1}{2}$ ft. base alongside

80.35 Found traces of old cor. I set a
Sandstone $15 \times 12 \times 4$ ins. 10 ins.
in the ground for cor. to see.
 $1.6.7 \times 12$. marked with 1 notch
on N. and 5 notches on S. edges,
dug pit $18 \times 18 \times 12$ ins. in each
sec. $3 \frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft.

E. B. J. 13 N. R. 24 E.

chains

high 4 1/2 ft. base alongside.
Land Rolling.
Good grazing
Soil 3^d rate.

North on a random line
bet. Secs. 1 & 6.

Cor. 13° 39' E.

over flat surface

40.00 Found no cor. Set a Sandstone
15 x 10 x 3 ins. 10 ins. in the
ground for 1/4 sec. cor. marked
1/4 on W. face dug pits 18 x 18 x 2
ins. 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

80.00 Found old cor. partly destroyed

E. B. S. 13 N. R. 24 E.

Chairs

Rebuilt same by setting
 a Flint Rock $12 \times 12 \times 6$ ins.
 8 ins. in the ground, for
 cor. to Sps. 13×14 N. R. 24×25 E.
 marked with 6 notches on
 each edge, dug pits $2 \frac{1}{2} \times 1 \frac{1}{2} \times 1 \frac{1}{2}$
 ins. lengthwise on each line
^{left dist.}
 and raised a mound of
 earth $2 \frac{1}{2}$ ft. high $5 \frac{1}{2}$ ft. base
 alongside.

Land Rolling

Grass Good

Soil 3^d rate

Deer scattering Juniper

Exbertson S. B. P. 14 N. R. 25 E.

chains

Before Proceeding further
I made a change of 5
minutes in the latitude
arc of my solar compass,
by adding same to the
reading previously given
and at noon verified and
corrected same by observation
on the sun I also tested
instrument by reversing.

From the cor. to Tps 13 & 14 N.
Rs 25 & 26 which is a marked
Post. with pits and ^{notched} earth
mound from which a cedar
18 ins. dia. br. N. 80° W. 46 lbs dist
I run West on a random
line bet. Tps 13 & 14 N.
and at 489.20 chs. I

S. B. S. 14 N. R. 25 E.

chains

arrive 11.00 chs South of cor.
to Sps. 13 x 14. N. R. 24 x 25 E.
Thence I run N. 88° 41' E. on
a true line bet. Secs. 6 x 31,
Nor. 13° 36' E.

- 24.00 Begin to descend gradually
- 49.20 Set a post 4 ft. long 2 x 4 ins. sq. d.
with marked stone 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on N. face
dug pit 18 x 18 x 12 ins. E. N.
of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. long, around
post.
- 68.00 Leave scattering brush on
N. 30° E.
- 89.20 Set a sandstone 16 x 8 x 2 ins.
11 ins. in the ground, for

S. B. N. 14 N. R. 25 E.

Chairs

Cor. to Secs. 5, 6, 31 & 32,
marked with 5 notches on E.
& 1 notch on W. edge, and
raised a mound of stone
along side, Pit impracticable.

Land Rolling

Soil 3^d rate,

Good grazing, some brush

N. $88^{\circ} 41'$ E. on a true
line bet. Secs. 5 & 32.

Var. $13^{\circ} 36'$ E.

24.00 Leave flat under Timber to 2nd.

4.00 Set a sand stone 12 + 11 + 6 ins. 8
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, Pit impracticable

S. B. N. 14 N. R 25 E.

chains

47.00 Post of Hill to N. 20° W. 50 ft high
over Rolling Prairie.

74.00 Begin to descend

78.70 Leave Prairie to road.

80.00 Set a Standard of 74.4 chs.

pins in the ground for ^{4.5} sec
cor. to Sec. 32, 33 marked
with 4 notches on E & 2 notches
on W. edges, dug pits 18" x 18"
in in each sec. 5 1/2 ft. dist.
and raised a mound of
earth 2 ft high 4 1/2 ft base
along side.

Land selling & broken

Soil 2^d rate

Vegetation of Bunchgrass.

N. 88° 41 E. on a true line
bet. Secs. 4 & 33.

S. B. T. 14 N. R 25 E.

Chairs

Var. 13° 36' E.

Descend broken steep.

1000 Foot of Hill 60ft high br N. 43° W.

4000 Set a Lavastone 8x8x6 in.
5 in. in the ground for 1/4 sec. lev
marked 1/4 on N. face, and
raised a mound of stone along
side, pits impracticable.

over flat br. N 20° W.

8000 Set a Lavastone 10x8x6 in.
8 in. in the ground for lev.
to Secs. 3, 4, 33 & 34 marked
with snatches on E & W. edges,
and raised mound of stone
along side, pits impracticable
Land rolling.

Soil 2d rate

Vegetation of bunch grass

S. B. T. 14 N. R. 25 E.

Lines

N. $88^{\circ} 41'$ E. on on a stone
line, bet. Secs. 3 & 34.

Var. $13^{\circ} 36'$ E!

5.95 Cross Road to Hillbrook
br. N. 25° W.

12.00 Leave flat br. N. W.

4.00 Set a Post 4 ft. long 4 ins.
square, with marked stone
12 ins. in the ground for $1/4$
Sec. Cor. mer. bed of S. on
N. face, dug pits 18 x 18 x 12 in.
E. W. of post $1/2$ ft. dirt and
raised a mound of earth $1/2$
ft. high $3 1/2$ ft. base around
post.

8.00 Set a Post 4 ft. long 4 ins. sq.
with marked stone 12 ins. in
the ground for Cor. to Secs.
20 B. 34 & 35. marked with

S. B. T. 14 N. R. 25 E.

chains

T. 14 N. S. 35 on N. E.
R. 25 E. S. 2 on S. E.

T. 14 S. 3 on S. W. and

S. 34 on N. W. faces with
2 notches on E & 4 notches
on W. faces, dug pits 18x18
& 12 in. in each sec. 5' ft.
dist and raised a mound
of earth 2 ft. high 4' ft.
base around pit.

Land Rolling & broken
Soil 2d & 3d rate
Scattering Brush.
Good grass.

N. 88° 41' E. on a true line
bet. Secs. 2 & 35.

Var. 13° 36' E.

S. B. T. 14 N. R. 25 E.

chain

4000 Over rolling ground
Set a Post 4 ft. long 3x4 ins.
sq. with marked stone 12
ins. in the ground for 1/4
Sec. Cor. marked 1/4 on

N face, dug pit 18x18 in
ins. At W. of Post 5 1/2 ft.
dist. and raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base around Post.

8000 Set a Post 4 ft. long 4
ins. sq. with marked
stone 12 ins in the ground
for Cor. to Secs. 1.2. 35x36
marked corner

S. 14 N. S. 36 on N. E. 1/4
R. 25 E. S. 1 on S. E.

Dist. S. 2 on S. W. and
S. 35 on N. W. faces,

S. B. D. 14 N. R. 25 E.

chain

with 1 notch on E &
 notches on W. edges dug
 pits 18x18x12 in. E & W.
 of post 5/2 ft. dist. and
 raised a mound of earth
 2 ft. high 4/2 ft. high around
 post.

Land Rolling

Soil 2d out

Good grazing.

Scattering brush.

N. $88^{\circ} 41'$ E. on a true
 line bet. Secs. 1 & 36.

Var. $13^{\circ} 36'$ E.

over level ground

4000 Set Post 4 ft. long 4 ins.
 sq. with marked stone,

S. B. T. 14 N. R 25 E.

chain

12 ins. in the ground for
 1/4 Sec. Cor. marked 1/4
 S. on N face deep pit 18 ^{1/2} 18 1/2
 ins. Ex N. of post 1/2 ft.
 dist. and raised a mound
 of earth 1 1/2 ft. high 3 1/2
 ft. base around post
 8000 Intersect cor to Tps
 13 & 14 N. Rs 25 & 26 E.
 land level

Soil 3d rate

Scattering brush
 Good grazing.

July 22^d 1882.

Exterior E. B. T. 14 N. R. 24 E.

chain

From the cor. to Tpo.
13 + 14 N. Ranges 24 + 25
E. Iron North bet. Secs.
31 + 36.

Var. $13^{\circ}42'E$

Over rolling ground

40.00

Found no cor. Set a grmiper
Post 4 ins. square, 4 ft long
with marked stone 12 ins.
in the ground, for $1/4$ sec
cor. marked $1/4$ on N. face
dug pits $18 \times 18 \times 12$ ins. N. of
of post $5 1/2$ ft. dist. and
raised a mound of earth
 $1 1/2$ ft. high $3 1/2$ ft. base around
post.

80.00

Found traces of old cor. Set a
Post 4 ft. long, 4 ins. sq. with
marked stone 12 ins. in the

E. B. T. 14 N. R. 24 E.

Chains

Ground for. cor. to Secs.
 25, 30, 31 & 36. marked
 N. 14 N. S. 30 on N. E.
 R. 25 E. S. 31 on S. E.
 R. 24 E. S. 36 on S. W. and
 S. 25 on N. W. face, with
 5 notches on N. and 1 notch
 on S. edges, dug pits 18 x 18 1/2
 ins. in each sec. 5/8 ft.
 dist. and raised a mound
 of earth 2 ft. high 4/8 ft.
 base alongside.
 Surface rolling
 Grazing good
 Soil 2nd rate
 Timber of Spruces.

on a random line

North bet. Secs. 30 & 25

E. B. N. 14 N. R. 24 E

chains

Var. $13^{\circ}42'8''$

over rolling ground

28.00 leave timber to E. W.

37.00 Enter timber to N. 70° W. &40.00 ^{S 70° E}
^{found no cap}
Set a Post 4 ft. long 4 ins. sq.
with marked stone pins.in the ground, for $\frac{1}{4}$ sec. cor.marked $\frac{1}{4}$ son N. face,
dug pits $18 \times 18 \times 12$ ins. W. ofof Post $5\frac{1}{2}$ ft. dist. andraised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around
post,80.10 cor partially destroyed, set a
Post 4 ft. long 4 ins. sq. with
marked stone pins. in the
ground for cor. to Secs. 19. 24
 25×30 . marked with

E. B. S. 14 N. R. 24 E

chains

S. 14 N. S. 19 on N. E.
 R. 25 E. S. 30 on S. E.
 R. 24 E. S. 25 on S. W. and
 S. 24 on N. W. faces, with
 4 notches on N. and 2 notches
 on S. edges, dug pits 18x18 in
 in each sec. 5' ft. dist.
 and raised a mound of
 earth 2 ft. high 4 1/2 ft. base
 around post.

Surface rolling
 Good grazing.
 Soil 3d. date

Scattering Juniper & Pine

on a random line

North bet. Secs. 19 & 24.

Var. 13° 42' E!

4000 Found no Cor. Set a Post

E. B. P. 14 N. R. 24 E

chains

4 ft. long, 4 ins. sq. with
marked stone 12 ins. in
the ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S. on W. face
dug pit 18 x 18 x 12 ins. W. S.
of post $5\frac{1}{2}$ ft. dist. and
raised a mound of earth
 $1\frac{1}{2}$ ft. high, $4\frac{1}{2}$ ft. base,
around post.

- 52.00 Enter timber bearing N.W.
80.00 Failed to find corner. Set a
Post. 4 ft. long 4 ins. sq. with
marked stone 12 ins. in the
ground, for cor. to Secs. 13, 18
19 & 24, marked
P. 14 N. S. 18 on N.E.
R. 25 E. S. 19 on S. E.
R. 24 E. S. 24 on S. W. and
S. 13 on N. W. faces, with

E. B. N. 14 N. R. 24 E.

Chairs

3 notches on W.S. edge,
 dug pits 18x18x12 in. in
 each sec. 5/2 ft. dist. and
 raised a mound of earth
 2 ft high 4/2 ft. base around
 Post.

Rolling surface
 Grazing good
 Soil 3d rate.

Timber scattering Juniper.

^{on a random line}
 North bet. Secs. 13 & 18.

Cor. 13° 42' E.

Over prairie through scattering
 Juniper.

40.14 found traces of old cor. Set
 Post 4 ft. long 4 ins. sq.
 with marked stone 12

E. B. S. 14 N. R. 24 E.

chain

ins. in the ground, for $\frac{1}{4}$
 sec cor. marked $\frac{1}{4}$ on
 N. face, dug pit 18x18x
 ins. H.S. of post, 5 ft.
 dist. and raised a mound
 of earth 1 ft. high 3 ft.
 base around post.

60.35 brass wash 6 lb. wide course
 West.

63.01 brass spur br Et W. 30 ft high,
 8000 Pound No cor. Set a post, 4 ft.
 long, 4 ins. square with
 marked etch 12 ins. in the
 ground, for cor. 6 Secs.

7. 12. 13 & 18. marked
 S. 14. N. S. 7 on N. E.

R. 25 E. S. 18 on S. E.

R. 24 E. S. 13 on S. W. end

S. 12 on N. W. face, with

E. B. S. 14 N. R. 24 E.

Chains

4 notches on S. and 2 notches
on N. edges, dug pits 18" x 18"
ins. in each sec. 54 ft.

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

Land rolling.

Good grazing.

Soil 3d rate

Scattering of mounds.

Worth on a random line
bet. Secs. 7 + 12,

Var. $130^{\circ} 42' E!$

Descend over rolling surface
0.55 brook wash 15 lbs wide, come

West. and ascend

20.00 Popof ridge 30 ft high.

E. B. 9. 14 N. R. 24 E.

chain

Cor. Ex W.

4000 Found no cor. set a Post 4 ft. long 4 ins. square with marked stone 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on N. face dug pits 18 x 18 in. in. W. S. of post, 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

8000 Found no cor. set a Post 4 ft. long 4 ins. square with marked stone 12 ins. in the ground for Cor. 6 Sec. 16. 7 x 12 marked

T. 14 N. S. 6 on N. E.

R. 25. E. S. 7 on S. E.

R. 24 E. S. 12 on S. W. and

S. 1 on N. W. faces, with

E. B. S. 14 N. R 24 E.

Chains

1 notch on N. and 5 notches
on S. edge, dug pits 18 x 18 x 2
ins. in each Sec 5 ft dist.
and raised a mound of
earth 4 ft. high 4 ft. base
around pit.

Land rolling.

Grazing good

Soil 50% rate

Timber scrub Juniper

Runth on a random line
bet Secs. 1 & 6.

Nov. 13° 42' E!

over rolling ground

1.00 Enter dense timber

2.26 Cross Wagon wall, to N. 70° E

2 S. 70° W. enter into bottom

E. B. P. 14 N. R. 24 E.

Chains

23.40 Cross Tributary of Little
Colorado River 42 lbs wide
course S⁷⁵ W.

40.10 Found traces of old cor. Set a Post
4 ft. long 4 in. sq. with marked
stone 12 ins. in the ground for
1/4 sec. cor. marked 1/4 S. on
W face, dug pit 18 x 18 in.
ins. N.S. of post 5 1/2 ft.
dist. and raised a mound
of earth 1 1/2 ft. high 3 1/2 ft.
base around post.

80.00 Found old cor. Rebuilt same.
Set a Post 4 1/2 ft. long 4 in.
square with marked stone
12 ins. in the ground for cor.
to old ps 14 & 15 N. R. 24 & 25 E.
marked
P. 15 N. S³¹ on N. E.

E. B. T. 14 N. R. 24 E.

Chains

R. 25 E. S. 6 on S. E.

T. 14 N. S. 1 on S. W. and

R. 24 E. S. 36 on N. W. faces,

with 6 notches on each edge,

dug pits $24 \times 18 \times 12$ in.

lengthwise in each line

N. S. E. & W. of post 6 ft.

dist. and raised a mound

of earth 2 ft. high 5 ft.

base around post.

Surface rolling.

Grazing good

Soil 1st & 2^d rate

Timber scattering Juniper.

Estorians N. B. J. 14 N. R 25 E.

chain

Before proceeding further
I made a change of 6
minutes in the latitude
Arc of my solar compass
by adding same, to the
reading previously given
and at noon verified
and correct same by
observation on the sun.
I also tested instrument
by reversing.

From the cor. to Sps 14 + 15 N.
R 25 + 26 E. which is a
Limestone 12 x 8 ins. set
firmly in the ground ^{properly} marked
notched with stone wound
on N. Side, Iron West

N. B. S. 14 N. R 25 E'

chains

on a blank line, and
 after diligent search for
 corners at lawful distances,
 failing to find one, I return
 and ran West on a random
 line setting temporary corners
 every 40 chains, and at 488.⁰⁰
 chains I intersect the
 cor. to Sps 14 & 15 N. Co.
 24 & 25 E. Thence I run
 N. $88^{\circ} 47' E$: on a true line
 bet. Secs. 6 & 31

Var. $13^{\circ} 57' E$:

over Rolling surface

48.00 Set a Post 4 ft. long, 4 ins. sq,
 with marked stone pins
 in the ground for $\frac{1}{4}$ sec.
 cor. marked $\frac{1}{4}$ S. on N face,
 dug pit 18 + 18 + 12 ins.

N. B. T. 14 N. R. 25 E.

chain

Ex W. of post. $5\frac{1}{2}$ ft. dist.
and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base around post.

49.00 Cross Wash course N. 28 $^{\circ}$ W. 110 ft.

88.00 Set a Juniper Post 4 ft. long
4 ins. sq. with marked stone
pins in the ground for cor.

to Secs. 5, 6, 31 & 32, marked

T. 15 N. S. 32 on N. E.

R. 25 E. S. 5 on S. E.

T. 14 N. S. 6 on S. W. and

S. 31 on N. W. faces, with

5 notches on Ex 1 notch on

W. edges, dug pits 18×18 in

in each sec. $5\frac{1}{2}$ ft. dist.

and raised a mound of

earth 2 ft. high $4\frac{1}{2}$ ft.

base around post

N. B. T. 14 N. R. 25 E.

chain

Surface Rolling,
Grazing good,
Soil 3^d rate.

Burth $88^{\circ} 47' E$. on a
true line bet. Secs. 5 & 32
Var. $130^{\circ} 57' E$.

28.00 Cross Colorado River, corner
N. W. 2.00 chs wide

30.00 Marshy land

40.00 Set a Juniper Post 4 ft.
long, 4 ins. square, with
marked star 12 ins. in the
ground for $1/4$ sec. corner
marked $1/4 S$. on N. face,
dug pits $18 \times 18 \times 12$ com. E. W.
of post $5 \frac{1}{2}$ ft. dist. and
raised a mound of earth

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Extorians N. B. T. 14 N. R. 25 E.

chains

1 1/2 ft. high 3 1/2 ft. base around
post.

+
80.00

Set a jumper Post 4 ft long
4 in. sq. with marked stone
12 in. in the ground, for cor. to
Secs. 4, 5, 32 & 33. marked

T. 15 N. S. 33 on the East
R. 25 E. Sit on S. E.

T. 14 N. S. 5 on S. W. and
S. 32 on N. W. faces, with
4 notches on E & 2 notches
on W. edges, dug pits 18 1/4 x 18 1/4
in. in each sec. 5 1/2 ft. dist.
and raised a mound of earth
2 ft high 4 1/2 ft. base, around
post.

Land rolling & flat
Soil 1st rate & marshy.
Good grazing.

N. B. T. 14 N. R. 25 E.

chains

N. $88^{\circ} 47' E$. on a true
line bet. Secs. 4 & 33.

Var. $13^{\circ} 57' E$.

over marshy land

40.00 Set a Gopher Post 4 ft. long
& 4 in. square with marked
stone 12 in. in the ground
for $\frac{1}{4}$ sec. sw. marked $\frac{1}{4}$
S. on N. face dug pit 18" x 18"
& 12 in. Et W. of post $5\frac{1}{2}$ ft.
dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base around post.

80.00 Set a Gopher Post 4 ft. long
& 4 in. square with marked
stone 12 in. in the ground
for $\frac{1}{4}$ sec. to Secs. 3, 4, 33 & 34.
marked

D. 15 N. S. 34 on N. E

N. B. S. 14 N. R. 25 E.

chain

R. 25 E. S. 3 on S. E.
 N. 14 N. S. 4 on S. W. and
 S. 33 on N. W. face, with
 3 notches on E & W. edges, dug
 pits 18 x 18 x 12 ins. in each
 sec. 5/8 ft. dist. and raised
 a rounded earth 2 ft high
 4/8 ft. base around post.
 Surface flat.
 Soil marshy.
 Good grass.

N. 88° 47' E. on a true
 line bet. Secs. 32 & 34.
 Var. 13° 57' E!

over marshy swamp.

4000 Set a Juniper Post 4 ft. long
 4 in. eq. with marked stone

N. B. P. 14 N. R. 25 E.

Chairs

12 ins. in the ground, for
 $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S.
 on N. face, dug pits $18 \times 18 \times$
 12 ins. Ea W. of post $5 \frac{1}{2}$ ft.
 dist. and raised a mound
 of earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft.
 base around post.

8000 Set a Gunwiper Post 4 ft. long
 4 ins. square, with marked
 stone 12 ins. in the ground
 for cor. to Secs. 2, 3, 34 & 35
 marked

S. 15 N. S. 35 on N. E.

R. 25 E. S. 2 on S. E

S. 14 N. S. 3 on S. W. and

S. 34 on N. W. face, with 2 notches
 on Ea 4 notches on W. face,

dug pits $18 \times 18 \times 12$ ins. in
 each sec. $5 \frac{1}{2}$ ft. dist. and

N. B. T. 14 N. R. 25 E.

chains

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

Surface Pulling.
Soil swamps

N. 88° 47' E. on a true
line, bet. Secs. 5 & 32,
Var. 13° 57' E.

over marshy ground

40.00 Set a juniper post 4 ft long
4 in. square, with marked
stone 12 in. in the ground
for 1/4 sec. Cor. marked 1/4 S.
on N face, dug pits 18 x 18 x 1/2
in. Ex W. of post 5 1/2 ft. dist.
and raised a mound of
earth 1 1/2 ft. high 3 1/2 ft.

N. B. S. 14 N. R. 25 E.

chains

base around post

8000 Set a Juniper Post 4 ft. long, 4 in. sq. with marked stone 12 in. in the ground for cor. to Secs. 1, 2, 35 & 36. marked.

S. 65 N. S. 36 on N. E.

R. 25 E. S. 1 on S. E.

S. 14 N. S. 2 on S. W. and S. 35 on N. W. faces, with 4 notches on E & 5 notches on W. faces, dug pits 18 x 18 x 12 in. in each sec. 5 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base around post.

Surface Rolling.

Soil masonry.

N. B. S. 14 N. R. 25 E.

chain

North $88^{\circ} 47' E$ on a
true line bet. Secs. 1 & 36

Var. $13^{\circ} 57' E$

over swampy land

4000 Set a Juniper Post 4 ft. long
4 ins. sq. with marked stem
12 ins. in the ground for $1/4$

sec. bar. marked $1/4$ S. on

face dug pits 10 & 18 in
ins. E. W. of post $5/8$ ft. dist.

and raised a mound of earth

$1/8$ ft. high $3/8$ ft base
around post.

8000 Intersect cor. to Sps 14 & 15 N.
Rs 25 & 26 E.

land slightly rolling.

Soil swampy.

Good grass.

July 24. 1882.

Extension S. B. J. 15 N. R. 26 E.

Chains

From the Cor. to Tps.
14 & 15 N. R. 25 & 26 E.
Come East on a random
line bet. Secs. 6 & 31.

Var. 14° 10' E.

Being unable to find any
corners, after diligent search
at 6 miles 35.60 chs I arrive
at a Point 54.60 chs N.
of old Cor. to Tps 14 & 15
N. R. 26 & 27 E. which is
a limestone properly notched
on four edges, with stone
monument on side. I reburied
the monument to cor. of Tps 14 & 15 N. R. 25 & 26 E. from
monument. I then from
N. 84° E. on a true line
in S. Boundary Sec. 31.
with same va.

As curving gradually.

S. B. S. 15 N. R. 26 E'

chains

75.60 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S on N face, dug pit 18 x 18 x 12 ins. ~~at~~ W. of post 5/8 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

115.60 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Sec. 5. 6. 31 & 32. marked S. 15 N. S. 32 on N. E. R. 26 E. S. 5 on S. E. S. 14 N. S. 6 on S. W. and S. 31 on N. W. faces, with 5 notches on E & 1 notch on W. edges, dug pits 18 x 18 x 12 ins. in each sec. 5/8 ft. dist.

S. B. T. 15 N. R 26 E.

chains

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

Land nearly level valley.
Soil 2^d rate,
Good grazing.

N. 84° E. on a true
line bet. Secs. 5 & 32

Var. 14° 10' E.

Ascend gradually
4000 Set a Post 4 ft. long 4 ins.
dia. with marked stone
12 ins. in the ground for
1/4 sec. bar. marked 1/4 S.
on N. face, dug pits 18 in. 18 in.
in. N. & S. of post 5 1/2 ft.
dist. and raised a

No. 1274

S. B. T. 15 N. R 26 E.

Chains

mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post.47.50 Spur to N. 10° E. 70 ft high
Descend68.50 by Wash 40 ft wide course
S 12° W. Ascend80.00 Set a post 4 ft. long, 4 in.
square with marked stake
12 in. in the ground for cor.
to Secs. 4, 5, 32 & 33. marked

T. 15 N. S. 33 on N. E.

R 26 E. S. 4 on S. E.

T. 14 N. S. 5 on S. W. and

S. 32 on N. W. faces, with
4 notches on E & 2 notches onW edges, dug pits $18 \times 18 \times 2$
in. in each sec. $5\frac{1}{2}$ ft. dist.and raised a mound of
earth $2\frac{1}{2}$ ft. high $4\frac{1}{2}$ ft.

S. B. S. 15 N. R 26 E.

chain

base around post.
Land Rolling.
Soils & water
Good grazing.

N. 84° E. on a true line
bet. Secs. 4 & 33.

Var. 14° 10' E.

Ascend gradually
4000 Set a post 4 ft. long, 4 ins.
sq. with marked stone 12
ins. in the ground for
1/4 sec. cor. marked 1/4 S. on
N. face, dug pits 18 x 18 ins
ins. E. & W. of post 5 1/2 ft.
Dist. and raised a
mound of earth 1 1/2 ft.
high 3 1/2 ft. base around post.

S. B. T. 15 N. R. 26 E'

Chains

62.00

Foot of Hill by H & S.

Ascend abruptly.

80.00

Set as a stone 15 x 12 x 9

ins. 10 ins. in the ground
for br. to Sec. 3. 4. 33 x 34.

marked with 3 notches
on E & W. edges, and raised
a mound of stone alongside

Pth. unpracticable.

100 ft above Wash.

Land mountainous

Soil 3^d rate & rocky
Some grass.

N. 84° E' on a true line
bet. Secs. 3 x 34.

N. 14° 10' E'

Ascend abruptly

S. B. P. 15 N. R. 26 E!

chains

33.00

Ridge to N. E. 50 ft high
& descend

40.00

Set a Sandstone 16x12x8
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, Pit
impracticable.

80.00

Set a Sandstone 14x11x6
ins. 10 ins. in the ground
for cor. to Secs. 2, 3, 34 & 35
marked with 2 notches
on E & 4 notches on N.
edges, and raised a
mound of earth 2 ft.
high $\frac{1}{2}$ ft. base along
side.

Sand summit above

S. B. T. 15 N. R. 26 E.

chain

Soil 3^d rate & rocky
 Good grass.

N. 84° E. on a true line
 bet. Secs. 2 & 35.

Var. 14° 10' E.

Descending.

16.30 Cross wash 10 lbs wide across
 South Ascend gradually

4000 Set a Sandstone 16 × 12 × 9 in.
 10 in. in the ground for 1/4
 sec. cor. marked 1/4 on N.
 face and raised a mound
 of stone alongside Pt
 unpracticable.

42.60 Spur to S. 20° E. 40 ft high
 Descend gradually

74.65 Dry wash 10 lbs wide across South.

S. B. T. 15 N. R. 26 E.

chains

ascend gradually

80.00

Set a Post 4 ft long, 4 ins. sq. with marked staves or ins. in the ground for loc. W sees. 1, 2, 3 & 36. marked S. 15 N. S. 36 on N. E.

✓

R. 26 E. S. 1 on S. E.

S. 14 N. S. 2 on S. W. and

S. 35 on N. W. faces, with 1 notch on E & 5 notches on W. edges, dug pits 18x18 ins. in each see. 5 ft. dist. and raised a mound of earth 2 ft high 4 ft. base around post.

Land Rolling Soil 2 rate
good grazing.

S. B. P. 15 N. R 26 E.

chains	in a true line
No 84° E. $\frac{1}{4}$ Sect. 1 & 36.	Var. 14° 10' E.
40.00	Set a Post 4 ft. long 4 ins. square, 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N face, dug pit 18 x 18 x 12 ins. Post N. of post $\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $\frac{2}{3}$ ft. base around post.
71.50	Ridge to W. S. 60 ft high level end
80.00	The cor. W. Sp. 14 & 15 N. R 26 & 27 E. (See p. 70) Sand Rolling. Soil 2d. rate Good grazing.

Exteriors. N. B. T. 14 N. R. 24 E.

chains

From the cor. to Tps 14 & 15
N. R. 24. & 25 E. which is
a Post just re-established
by me, I ran West on a
blank line making diligent
search for corners, at long
distances, but failed to find
any. I returned and from
corner to Tps 14.15 N. R.
24. 25 E. I run a new
line at an angle, ^{nearly} correspond-
ing to the line, in Tps 14 & 15
Range 25 E. I run
S. $88^{\circ} 50'$ West on a random
line setting temporary
corners every 40 chs. and
at 487.90 Intersect
the cor. to Tps 14 & 15 N.
R. 23 & 24. E. 82 lks South

N. B. T. 14 N. R. 24 E.

Chains

of bor. which is a Post.
marked & notched with
pits and earth mound
alongside, which pits freely
and rebuilt mound.

Thence I run North $88^{\circ}36'E$
on a true line bet. Secs. 6 & 31.

Cor. $13^{\circ}42'E$

through Juniper timber.

47.90

Set a Post 4 ft. long 4 ins.
square with marked stone
pins in the ground for $1/4$
sec. bor. marked $1/4$ S. on
N. face, dug pits $18 \times 18 \times 12$ ins.
E. W. of post. $5/8$ ft. dist.
and raised a mound of
earth $1/2$ ft. high $3/4$ ft.
base around post.

48.00

have scattering Juniper.

G. B. T. 14 N. R. 24 E.

chains

79.18

Cross Road to Holbrook
to N. 40° W. S. 40° E.

80.00

Leave valley & ascend

87.90

Set a Post 4 ft. long, 4 ins.
sq. with marked stones 12
ins. in the ground for cor.

to sees. 5-6. 31 & 32. marked

S. 15° W. S. 32° W. E. R. 24° E. S. 5° W. E. S. 14° W. S. 6° W. S. 11° W. and S. 14° W. 24° E.
back with 5 notches on E. 1 notch

on W. edges, dug pits 18 x 18 x 12
ins. in each see. 5 1/2 ft.

dist. and raised a
mound of earth 2 ft. high
4 1/2 ft. base around post.
Surface flat & rolling.

Good grazing.

Soil 1st & 2d rate

Timber scattering Juniper.

N. B. T. 14 N. R. 24 E.

chains

N. $88^{\circ}56'$ E. on a true line
bet. Secs. 5 & 32

Var. $13^{\circ}42'$ E.

Gradually ascending.

20.85 Cross tributary of Little Colorado
River 65 lbs wide come N. 35° W.

39.50 ^{Little} Colorado River 1.17 lbs wide
flows N. $12\frac{1}{2}^{\circ}$ W.

4000 Set a Juniper Post 4 ft. long, 4
ins. square, with marked stone
12 ins. in the ground for $\frac{1}{4}$ sec
cor. marked $\frac{1}{4}$ S on N face dug
pit 18 x 18 x 12 ins. Ex W. of post
5 $\frac{1}{2}$ ft. dist. and raised a
mound of earth 1 $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base around Post.

8000 Set a Sandstone 12 x 10 x 5 ins.
size in the ground for Cor. to
Secs. 4, 5, 32 & 33, marked

N. B. P. 14 N. R. 24 E.

chains

with 4 notches on ~~2~~ 2 notches
on W. edge, dug pits 18" x 18" or
two in each sec. 5' ft. dist.
and raised a mound of earth
4' ft. high 4' ft. base ~~on long~~
side.

Surface flat

Soil swampy.

Good grass.

Note the ^{little} Colorado River
on this mile has 14 different
channels and the ground is
subject to frequent overflow.

N. $88^{\circ} 56'$ E. on a true line
bet. Secs. 4 & 33.

Var. $13^{\circ} 46'$ E.

N. B. S. 14 N. R. 24 E!

Claims

4000

through swampy land
 Set a Post 4 ft. long, 4 ins. sq.
 with marked stone 12 ins. in
 the ground, for $1/4$ sec. cor.
 marked $1/4$ S. on N. face, dug
 pits 18 x 18 x 12 ins. E. W. of
 post 5 1/2 ft. dist. and raised
 a mound of earth 1 1/2 ft.
 high 3 1/2 ft. base around
 post.

8000

Set a Juniper Post 4 ft. long
 4 ins. square, with marked
 stone 12 ins. in the ground
 for cor. to Secs. 34, 33 & 24,
 marked

N. 15 N. S. 34 on N. E.

R. 24 E. S. 3 on S. E.

N. 14 N. S. 4 on S. W. and

S. 33 on N. W. faces, with

N. B. J. 14 N. R. 24 E.

Chains

3 notches on E & W. edges.

dug pits 18 x 18 x 12 ins.

E & W. of post 5 1/2 ft. dist.
and raised a mound of
earth 2 ft high 4 1/2 ft. base
around post.

Surface flat

Swamp Land subject
to frequent overflow.

N. 88° 56' E! on a true line
bet. Secs. 3 & 34.

Var. 12° 42' E!

Over swampy ground

40.00 Set a Post 4 ft long 4 ins. sq.
with marked stone 12 ins. in
the ground for 1/4 sec. cor.
marked 1/4 S. on N. face

N. B. S. 14 N. R. 24 E.

chains

dug pits 18 x 18 x 12 ins. E. W.
of post 5/8 ft. dist. and raised
a mound of earth 1/2 ft. high
3/4 ft. base around Post.

80.00

Set a Post 4 ft. long 4 ins.
square, with marked stone
12 ins. in the ground for cor.
to Secs. 2, 3, 34 & 35, marked
S. 15 N. S. 35 on N. E.

R. 24 E. S. 2 on S. E.

D. 14 N. S. 3 on S. W. and

S. 34 on N. W. faces, with
notches on E & 4 notches on
West edges, dug pits 18 x 18 x 12
ins. in each sec. 5/8 ft. dist.
and raised a mound of earth
2 ft. high 4/5 ft. base around
post.

Surface flat.

N. B. S. 14 N. R. 4 E.

chains

Swamp Land
Subject to frequent overflow.

N. $88^{\circ} 56' E.$ on a true line
bet. Secs. 2 & 35.

Var. $130^{\circ} 42' E.$

Over swamp Land

4000 Set a Post 4 ft long 4 ins. sq.
with marked stone pins in
the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ S on N face, deep
pit $18 \times 18 \times 12$ ins. Ex W.
off post $5 \frac{1}{2}$ ft. dist and
raised a mound of
earth $1 \frac{1}{2}$ ft. high $3 \frac{1}{2}$ ft.
base around post.

8000 Set a Post 4 ft. long 4 ins.
sq. with marked stone

N. B. S. 14 N. R 24 E!

ains

12 ins. in the ground, for cor.
to Secs. 1, 2, 3, 5 & 36. marked
S. 15 N. S. 36 on N. E.

R. 24 E. S. 1 on S. E.

Dist N. S. 2 on S. W. and

S. 35 on N. W. faces, with
1 notch on E & 5 notches on
W. edges, dug pits 10 & 18 & 12
ins. E. W. of post 5/8 ft.

dist. and raised a mound
of earth 2 ft high 4/8 ft.
base around post.

Surface flat

Swamp land

Subject to frequent overflow.

North $88^{\circ} 56'$ E! on a true
line bet. Secs. 1 & 36.

N. B. T. 14 N. R. 24 E.

Chain

Var. $130^{\circ}42' E.$

Over swampy land

4000

Set a Post 4 ft. long, 4 ins.

sq. with marked stone 12
ins. in the ground for $\frac{1}{4}$

Sec. Cor. marked $\frac{1}{4}$ S. on

N face, dug pits $18 \times 18 \times 12$
ins. E. W. of post $5 \frac{1}{2}$ ft.

dist. and raised a

mound of earth $1 \frac{1}{2}$ ft.

high $3 \frac{1}{2}$ ft. base around
post.

6000 Cross Colorado River course
 $S^{\circ} 64^{\circ} W.$

6700 Leave swamp ascend
gradually

8000 The Cor. W. Sp. $14^{\circ} \times 15^{\circ} N.$
 $R. 24^{\circ} \times 25^{\circ} E.$

Surface flat.

N. B. P. 14 N. R. et C'

chains

Swamp Land 64 chains
Soil 2^d rate 16 chains.
Good grass.

July 27. 1852.

Estimios, W. B. T. 14 N. R. 24 E.

chains

Before proceeding further I made a change of graduations in the latitude arc of my solar compass, by subtracting same, from the reading previously given and at noon verified and corrected same, by observation on the sun, I also tested instrument by reversing.

From the Cor. to Tps 13x14
N. R. 23 E. which is a
notched Sandstone 20+8 in
set firmly in the ground
with earth around and
pit, which I rebuild,
to be of proper size.

W. B. T. 14 H. R. 24 E.

chains

I run North on a random
line bet. Secs. 31 & 36.

Var. $13^{\circ} 45' E$

over Rolling Surface descending.

4000

Found no trace of old cor. Set
a $\frac{1}{2}$ in. per Post 4 ft. long 4 in.
square, with marked stake
in. in the ground for $\frac{1}{4}$ sec.

Cor. marked $\frac{1}{4}$ S. on N face
dug pit 18 x 18 x 12 in. West
of Post 5 ft. dist. and
raised a mound of earth
1 ft. high 3 ft. base around
post. from which

A $\frac{1}{2}$ in. per 18 in. dia. cor. S. $50^{\circ} E$. 24 lbs dist
marked $\frac{1}{4}$ S. B. T.

A $\frac{1}{2}$ in. per 4 in. dia. cor. N. $69^{\circ} W$. 21 lbs dist
marked $\frac{1}{4}$ S. B. T. and

73.00

Leave low spur to Et N.

W. B. S. 14 N. R. 24 E.

chains

80.14 Found old Cor. nearly destroyed Oct
a Post 4 ft. long 4 in. sq. with
marked stone 12 in. in the ground
for Cor. to Secs. 25. 30. 31 & 36. marked
S. 14 N. S. 30 on N. E.

R. 24 E. S. 31 on S. E.

R. 23 E. S. 36 on S. W. and

S. 25 on N. W. face, with 5
notches on N & 1 notch on S. edges from
which a Juniper 24 in. dia. br. S. 26° W. 89 lbs dist
marked S. 14⁴ R. 23, E. S. 36 B. S.

a Juniper 6 in. dia. br. S. 6° E. 70 lbs dist.
marked S. 14 N. R. 24 E. S. 31 B. S.

a Juniper 12 in. dia. br. N. 83° W. 1.37 lbs dist
marked S. 14 N. R. 28 E. S. 25 B. S.

a Juniper 10 in. dia. br. N. 76° E. 87 lbs dist.
marked S. 14 N. R. 24 E. S. 30 B. S.

Land gently rolling & sloping N.
Soil 2 to 3% water

W. B. T. 14 N. R. 24 E.

Chas. S.

Vegetation Bunch grass,
Scrub Juniper.

From the corner just corrected,
established 9 mm North on
a course 23' West, this being
the average course of this line,
North 23' W. on a random
line bet. Secs. 25 & 30.

Var. 13° 45' E.

Over rolling surface scattering
timber.

4000

Found no cor. Set Post 4 ft. long
4 ins. sq. with marked stone 2
ins. in the ground for 1/4 sec. cor.
marked 1/4 S. on W. face, dug pits
18 x 18 x 12 ins. N. & S. of post 5 ft.
dist. and raised a mound of

W. B. N. 14 N. R. 24 E.

Clear

earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
around post. from which
a gunifer 18 in. dia. br. N. 52° E. 62 lbs. dist.
marked $\frac{1}{4}$ S. B. V.

A gunifer 23 in. dia. br. S. 59° W. 25 lbs. dist.
marked $\frac{1}{4}$ S. B. V.

60.00 cross spar br. E & W.

76.00 leave timber bearing E & W.

80.00 Round no. bor. Set a post 4 ft. long 4 in.
sq. with marked stone 10 in. in
the ground, for bor. to see $19^{\circ} 24' 25'' + 30$
marked

S. 14 N. S. 19. on N. E.

R. 24 E. S. 30 on S. E.

R. 23 E. S. 25 on S. W. and

S. 24 on N. W. faces, with 4
notches on N & 2 notches on S.
edges, from which

a gunifer 8 in. dia. br. S. 32° E. 193 lbs. dist.

W. B. N. 14 N. R. 24 E.

chain

marked N. 14 N. R. 24 E. S. 31 B. P.
no other trees near limits.

Land selling

Good grazing.

Soil 3^d rate.

Scrub Juniper.

N. 23' W. on a random line
bet. Secs. 19 + 24

Var. 13° 45' E.

Descend gradually

9.00 Enter sag course N. 30° E.

29.00 cross sag N. 30° E.

4000 Found no cor. Set Post 4 ft. long 3 in.
sq. with marked stone 12 in. in the
ground, for 1/4 sec. cor. marked
1/4 S. on W. face, dug pits 18 x 18 in
in. W. of post 5 1/2 ft. dist.

W. B. N. 14 N. R. 24 E.

dains

and raised a mound of earth
1 1/2 ft. high 3/4 ft base around
post.

67.00 Outer lumber to ~~E~~ W.

80.00 Found no cor. Set a post 4 ft long
4 ins. sq. with marked stone 12
ins. in the ground for cor. to
Secs. 13, 16, 19 & 24. marked
N. 14 N. S. 18 on N. E.

R. 24 E. S. 19 on S. E.

R. 23 E. S. 24 on S. W. and

S. 13 on N. W. faces, with 3

notches on W. S. edges, dug

pits 18 x 18 x 12 ins. in each sec.

5/8 ft. dia. and raised a
mound of earth 1 ft high
4/8 ft. base around post.

Land rolling & sloping N.

Soil 2 d. rate,

W. B. S. 14 N. R. 248

Chains

Vegetation Bunch grass.

N. 23' W. on a random line
bet. Secs. 13 + 18.

Var. 130451E

through scattering Juniper

29.00

Leave Timber

40.00

Found no cor. Set a Juniper Post
3 ft. long 4 ins. sq. with marked
stone 12 ins. in the ground, for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ S. on W. face
dug pits 18 + 18 + 12 ins. N + S. of
post 5/8 ft. dist. and raised a
mound of earth 1/8 ft. high 3/4
ft. base around post.

53.00

Enter timber hrs Ex W.

80.00

Found no cor. Set a Post 4 ft.
long 4 ins. square with marked

N. B. T. 14 N. R. 24 E.

Cliaus

stone 11 ins. in the ground, for
Cor. to Sec. 7. 12. 13 & 18. marked
T. 14 N. S. 7 on N. E.
R. 24 E. S. 18 on S. E.

R 23 E. S. 13 on S. W. and
S. 12 on N. W. faces, with 2
notches on W & 4 notches on S. edge,
from which

① Juniper 11 ins. dia. br. N. 69° E. 20 lbs. dia.
marked T. 14 N. R. 24 E. S. 7 B. T.

② Juniper 14 ins. dia. br. S. 40° E. 98 lbs. dia.
marked T. 14 N. R. 24 E. S. 18 B. T.

③ Juniper 16 ins. dia. br. S. 39° W. 110 lbs. dia.
marked T. 14 N. R. 23 E. S. 13 B. T.

④ Juniper 6 ins. dia. br. N. 32° W. 46 lbs. dia.
marked T. 14 N. R. 23 E. S. 12 B. T.

Simple Rolling
Good grazing.
Soil 2^d rate scattering Juniper

W. B. N. 14 N. R. 24 E.

Chain

N. 23' W. on a random line
bet. Secs. 7 + 12.

Var. $13^{\circ} 45' E.$

ascending gradually

3000 Foot of low spur

3500 cross top of spur to E. N. 50 ft high

4000 Found traces of old bar. Set a Post
4 ft. long 4 ins. square, with marked
stone pins in the ground for $\frac{1}{4}$
sec. bar marked $\frac{1}{4}$ S. on W. face
from which

a Juniper 10 in. dia. to S. B. E. 52 lbs dist.
marked $\frac{1}{4}$ S. P. T.

73. 47 cross Wash 8 lbs wide course N. E.

8000 Found traces of old bar. Set a Juniper
4 ft. long 4 ins. sq. with marked stone
pins. the ground for bar. to
Secs. 1. 6. 7 + 12. marked
S. 14 N. S. 7 on N. E.

N. B. T. 14 N. R. 24 E.

clairs

R. 24 E. S. 18 on S. E.

R. 23 E. S. 13 on S. W. and
S. 12 on N. W. faces, with 1
notch on W. 5 notches on S. edge.
from which

1 Juniper 16 ins. dia. br. S. 20° E. 69 lbs dia.
marked N. 14 N. R. 24 E. S. 6 B. T.

2 Juniper 12 ins. dia. br. S. 40° W. 83 lbs dia.
marked N. 14 N. R. 23 E. S. 12 B. T.

Surface rolling.

Good grazing.

Soil 29 rate

Scattering Juniper.

North 23' West on a random
line bet. Secs. 14 & 6.

Var. 13° 45' E.

Descend gradually.

W. B. T. 14 N. R. 24 E.

chains

0.31

bross Wash 8 lbs wide, course
Post.

14.00

bross Wash 8 lbs wide course by 20° E.
ascend gradually

4.000

Found no cor. Set Post 4 ft. long
3½ ins. square, with marked stone
12 ins. in the ground for ¼ sec.

cor. marked ¼ S. on W. face, dug
pits 18×18×12 ins. W. S. of post
5½ ft. dist. and raised a
mound of earth 1½ ft. high
2½ ft. base around post.

80.27

Set cor. to S. by 14 + 15 N.
Ranges set + 25° E.
Sun face Rolling.

Good grazing.
Soil sd rate

Extension N. B. P. 13 N. R. 24 E.

Chain

From the Cor. to Sps. 13+14
N. Rs. 24+25 E. just
recently re-established.
From a random line
with a bearing to crosspoint
with the ^{average} bearing of S. Bay
S. 14 N. R. 25 E. I run
S 88° 41' W. on a random
line setting temporary corners
at every 40 chains, and
at 488.30 chs I intersect
2,60 chs S. with of Cor. to
Sps. 13+14 N. Rs. 23+24 E.
Thence I run on a true
line N. 89° E. beh. Secs. 6+31

Var. 13° 39' E.

48.30 Set a Gypsum Post 4 ft long
4 ins. sq. with marked
stone 12 ins. in the ground

G. B. T. 13 N. R. 24 E.

clear

for $\frac{1}{4}$ sec. cor. marked 14
5: on N. face, dug pits
18 x 18 x 12 in. Ex W affpost
5 ft. dist. and raised a
mound of earth 5 ft.
high 3 ft. base around post.

7000

descend

8830

Set a lava rock 14 x 8 x 6
in. 16 in. in the ground for
cor. to Secs. 5, 6, 31 x 32, marked
with 5 notches on Ex 1 notch
on W. edge, dug pits 18 x 18 x 12
in. in each sec. 5 ft. dist.
and raised a mound of earth
2 ft. high 4 ft. base along side
Surface rolling.
Good grazing.
Soil 3d rate
Scattering juniper.

N. B. T. 13 N. R. 24 E.

Chains

Over Rolling surface

18.00 Enter juniper timber

4.00 Set a Post 4 ft. long 4 in.

sq. with marked stake 12 in.

in the ground for $\frac{1}{4}$ sec

Cor. marked $\frac{1}{4}$ S. on N.

face, dug pits 18 x 18 x 12 in.

Ex N. of post 5 $\frac{1}{2}$ ft. dist.

and raised a mound of
earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.

base around post.

42.12 Cross Wagen Road to N. Ex S. W.

53.94 Cross Wagen Road to N. Ex S. W.

80.00 Set a Juniper Post 4 ft. long

4 in. sq. with marked stake

12 in. in the ground, for Cor.

to Sec. 3, 4, 33 x 34 marked

T. 14 N. S. 34 on N. E.

R. 24 E. S. 3 on S. E.

N. B. P. 13 R. R. 24 E

chains

P. 13 N. S. 4 on S. W. end
S. 33 on N. W. faces, with
3 notches on E. W. edges,
dug pits 18 x 18 x 12 in. in
each sec. 5/4 ft. dist. and
raised a mound of earth
2 ft. high 4 1/2 ft. base around
post.

Surface Rolling
Soil 2^d out

Juniper timber.

N. 89° E on a true line bet.
Decs. 3 x 94.

Var. 13° 39' E.

40.00 Set a Sandstone 12 x 10 x 6 in.
8 in. in the ground for 1/4
sec. bar. marked 1/4 in

H. B. N. 13 N. R. 24 E.

Chairs

W. face, and raised a mound of stone along side Pit unpracticable

72.00 from Ravine course N. E. ascend

80.00 Set a Lava rock 12 x 10 x 8 ins. 8 ins. in the ground for bor. to sec. 2, 3, 34 x 35.

marked with 2 notches on E. & 4 notches on W. edges, and

raised a mound of stone 2 ft. high 4 1/2 ft. base along side. Pit unpracticable, surface rolling

Good grazing.

Soil 3^d rate

Scattering Grumper

N. 89° E. on a true line bet

N. B. S. 13 N. R. 24 E.

Chains

Secs. 2 & 35

Var. 130° 39' E.

Descend gradually

32.00 Enter valley for road.

38.65 Cross West 30th wide
course N.

40.00 Set a Sandstone 12 x 12 x 4 ins.
8 ins. in the ground for 1/4 sec.

Cor. marked 1/4 on N face,
and raised a mound of
stone along side. Pth. *imp. act. 1/4*

46.00 Leave Valley and ascend slope
to N. W & S. E.

53.00 Table land 70ft high to
N. W & S. E.

20.00 Set a Sandstone 13 x 12 x 8 ins.
9 ins. in the ground for Cor.
to Secs. 1, 2, 35 & 36. marked
with 1 cut on Ex 5 notches on

N. B. T. 13 N. R. 24 E.

chain

W. edges, dug pits 18+18+12 in.
in each sec. 5 1/2 ft. dist.
and raised a worm daf
earth 2 ft. high 4 1/2 ft. base
alongside

Surface Rolling & flat
Good grazing
Soil 2^d rate.



North 89° East on a true
line bet. Secs. 1+36.

Var. 13° 39' E.

4000 Set a sandstone 14+12+4
ins. 8 ins. in the ground for
1/4 sec. bor. marked 1/4 on
N face and raised a
worm daf earth & stone
alongside, Pts unprecise

N. B. S. 13 N. R. 24 E.

Chains

32.00

Enter Juniper Co N.S.

7.00

Cross Spur Co N.S.

8.00

The cor. to Sp. 13 & 14 N.
Rs. 24 & 25 E.

Land rolling.

Soil 3^d rate

Good grazing.

Sectioning Juniper

July 28. 1882.

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

July 28. 1882.

Exterior E. B. P. 13 N. R. 23 E.

Series

Before Proceeding further with the survey of the Exterior lines, I made a change of 5 minutes in the latitude arc of my Solar compass by subtracting same from the reading previously given and it soon verified and corrected same by observation on the sun I also tested instrument by reversing.

From the Standard Cor.
to Sp. B. N. R. 23 & 24
E. just recently retraced,
and where I take the latitude
and found it to be $34^{\circ}26'N$.
I run North on a random

E. B. S. 13 N. R. 23 E.

chains

line bet. Secs. 31 & 36.

Var. $13^{\circ} 42' E$

6.00 Descend gradually through timber
cross gulch 4000 wide course
N. W.

20.00 cross top of spur to S. $65^{\circ} W$ &
S. $65^{\circ} E$.

40.00 Found no cor. Set a sandstone
 $12 \times 12 \times 6$ 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. 9 in.
of stone $\frac{1}{2}$ ft. dist. and raised
& mound of earth $1 \frac{1}{2}$ ft. high
 $\frac{3}{4}$ ft. base alongside

80.00 Paired to find cor. Set a Post
4 ft. long 4 ins. square, with
marked stone 12 ins. in the
ground, for cor. to Secs. 25, 30,
31 & 36. marked

E. B. N. 13 N. R. 23 E.

chains

N. 13 N. S. 30 on N. E.

N. 24 E. S. 31 on S. E.

N. 23 E. S. 36 on S. W. and

S. 25 on N. W. faces, with 5
notches on N. 1 notch on S edge,

Aug pits 18x18x12 ins. in
each sec. 5/8 ft. dist. and
raised a mound of earth 2 ft.
high 4/8 ft. base around each.

Land Rolling & broken

Soil 3d rate

Good grass, scattering timber

North on a random line bet.
Secs. 25 & 30.

Var. 13° 42' E.

Over Rolling Prairie

4000 Pound w. box Set a Sandstone

E. B. S. 13 N. R. 23 E

chains

✓ 13 x 10 x 8 in. pins in the
 ground for 1/4 sec. cor.
 marked 1/4 on W. face and
 raised a mound of stone
 along each Pit impracticable
 2000 Found traces of old cor. Set a
 Juniper Post 4 ft. long 4 in. sq.
 with marked stone pins in the
 ground, for cor. to sec. 24, 25, 19 + 30
 marked P. 13 N. S. 19 on N. E.
 R. 24 E. S. 30 on S. E.
 R. 23 E. S. 25 on S. W. and
 S. 24 on N. W. faces, with 4
 notches on N. 2 notches on S.
 edges, dug pits 18 x 18 x 12 in.
 in each sec. 57 ft. dist. and
 raised a mound of earth
 2 ft. high 4 ft. base around
 posts.

E. B. N. 13 N. N. 23 E.

chain

Surface Rolling.
 Good grazing.
 Soil 3^d rate
 Scattering juniper.

North on a random line bet.
 Secs. 19 & 24.

Var. $13^{\circ} 42' E$

Over rolling surface

4000 Pound w. bor. Set a Sandstone
 12 x 12 x 8 ins. 8 ins. in the ground
 for $\frac{1}{4}$ sec. bor. marked 1 ft
 on W face, and raised a
 wormdole stone along with
 pit imperceptible

8000 Pound w. bor. Set a Post 4 ft
 long 4 ins. sq. with marked
 stone 12 ins. in the ground,

E. B. P. 13 N. R. 23 E.

chains

for Cor. to Secs. 13, 18, 19 & 24
marked P. 13 N. S. 18 on N. E.

R. 24 E. S. 19 on S. E.

R. 23 E. S. 24 on S. W. and
S. 13 on N. W. faces, with
3 notches on N. & S. edges, dug
pits 18x18x12 ins. in each sec.

5/8 ft. dirt, and raised a
mound of earth 2 ft high 4 1/2 ft
base around post.

Surface Rolling

Good grazing

Soil 3d rate.

North on a random line
bet. Secs. 13 & 18.

Var. 13042 E.

Over Rolling Prairie,

E. B. T. 13 N. R. 23 E.

4600

Found no cor. Set a Post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S on N. face, dug pits 18 x 18 x 12 ins. In S. of post $5\frac{1}{2}$ ft. dist. and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post.

8000

Found traces of old cor. Set a Post 4 ft. long 4 ins. square, with marked stone 12 ins. in the ground, for cor. to Secs. 7, 12, 13 & 18, marked T. 13 N. S. 7 on N. E.

R. 24 E. S. 18 on S. E.

R. 23 E. S. 13 on S. W. and S. 12 on N. W. faces, with 2 notches on N. & 4 notches on S. edges, dug pits 18 x 18 x 12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and

E. B. S. 13 N. R. 23 E.

Chairs

raised a mound of earth 2 ft.
high 4 1/2 ft. base around post.
Surface rolling.
Good grass.
Soil 3^d rate.

North on a random line bet. Secs.

7 & 12. Var. 13° 42' E!

Good rolling Prairie

40.00 Found no bar. Set a Lava stone

12 x 10 x 8 ins. 8 ins. in the ground
for 1/4 sec. bar marked 1/4 on W.

face dug pits 18 x 18 x 12 ins. Prod.

of stone 5 ft. dist. and raised a
mound of earth 1 1/2 ft. high 3 1/2 ft.
base alongside.

59.02 Cross Road to h. N. x S 70° E.

60.25 Cross old Road to h. N. x S. E.

E. B. P. 13 N. R 23 E.

claims

8000 Paired to find bar Set about 4ft
long 4 ins. sq. with marked
stone 12 ins. in the ground for
Cor. to Secs. 4, 6, 7 & 12, marked
S. 18 N S. 6 on N. E.

R. 24 E. S. 7 on S. E.

R 23 E. S. 12 on S. W. and
S. 1 on N. W. faces, with 1
notch on N. & 5 notches on
S. edges dug pits 18 x 18 x 12 ins.
in each sec. 5 1/2 ft. dist. and
raised a mound of earth
aft. high 4 1/2 ft. base around post.
Sand Rolling.

Soil 2d rate
Good grass.

Worth on a random line, but.

E. B. S. 13 N. R. 23 E.

chains

S^{rs}. 1x6. Var. 13°42' E!

over Rolling Ground,

40.00 found trace of old bor. Retrait
same, & "Set Post 4 ft long 4 ins.
sq. with marked stone 12 ins.

in the ground for 1/4 sec

bor. marked 1/4 S. on W face

dug pits 18x18x12 ins. W.S.

of post 5/8 ft. dist and raised

a mound of earth 1 1/2 ft. high

3 1/2 ft. base around post.

80.30 The bor. to Sps 13 & 14 N.

Rs 23 & 24 E. just recently
re-established.

Land rolling, good grass.

Sos'l 34 out

Scattering Juniper

July 29. 1882.

U. S. Surveyor General's Office,
Tucson, Arizona, Feb'y, 11., 1883.

The foregoing Field Notes of the survey of

*Retracing of Exterior
Boundaries, Nos. 23, 24, 25
& 26 East.*

the Gila and Salt River Base and Meridian, Arizona,
executed by _____,
D. S., under his contract of the _____ day of
_____, 187____, having been critically ex-
amined and the necessary corrections and explanations
the said Field Notes and the surveys they de-
scribe, are hereby approved.

J. W. Robbins

Surveyor General.