

No. 1271 1

BOOK 1271

Field Notes

OF THE SURVEY OF THE

BOOK 1271

~~SUBDIVISION LINES~~

External Lines

W. B. 39 N. R. 26 E.
N. B. 39 N. R. 30 E. OF -
E. B. 39 N. R. 30 E.
N. B. 39 N. R. 31 E.

No. 1271

Township _____ Range _____

E. B. 310 N. R. 30 E.

W. B. 310 N. R. 30 E.

Gila and Salt River Base and Meridian

N. B. 310 N. R. 31 E.

E. B. 310 N. R. 30 E.

ARIZONA.

By A. P. Johnson D. S.

under contract dated June 8 1882

Survey commenced June 30 1882

Survey completed July 22 1882

1271

✓

BOOK 1271

Exterior Boundaries

Pages

W. B. J. 9 N. R. 26	E. v. 1-15
E. B. J. 9 N. R. 30	E. v. 16-25
N. B. J. 9 N. R. 30	E. v. 26-37
N. B. J. 9 N. R. 31	E. v. 37-45
E. B. J. 10 N. R. 30	E. v. 46-56
N. B. J. 10 N. R. 30	E. v. 58-69
W. B. J. 10 N. R. 31	E. v. 69 76
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	T.11N, R.26E	T.11N, R.27E	T.11N, R.28E
	T.10N, R.26E	T.10N, R.27E	T.10N, R.28E
6			
7			
10	T.9N, R.26E	T.9N, R.27E	T.9N, R.28E
12			
12"			
14			

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						76			
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T. 11 N., R. 29 E.						80	T. 11 N., R. 31 E.		
						82			
						83			
						86			
	58	60	62	64	66	68	71	73	74
						55			
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T. 10 N., R. 29 E.						52	T. 10 N., R. 31 E.		
						50			
						48			
						46			
	27	29	30	32	34	36	38	40	42
						24			
						22			
T. 9 N., R. 29 E.						20½	T. 9 N., R. 31 E.		
						19½			
						18			
						16			

Survey commenced
June 30 - 1882 with
Burt's Improved ~~Patent~~
Solar Compass, nearly
new in first rate
order - made by
Otto Freund of Berlin
Germany in 1881.

No. 1271

BOOK 1271

W. B. Sp. 9 N. R 26 E B. L. R M.

From the Standard Cor. to
Sp 9 N. R 25+26 E. which is
a Basset stone set firmly in
the ground, for Standard Cor.
marked with 6 notches on N. E. &
W. edges, faces, with pits 24x18x12
ins. crosswise on each line,
N. E x W. of stone left. dist.
with stone mound along
side

From N on a random line
on W boundary of Sp.
to 11° 40' E.

I set temporary corners
at every 1/2 mile and at
5 miles 7 1/2 hrs, arrive
at a point 2.09 hrs E of
Cor to Sp 9+10 N, R

W. By. 59 N. R 26 E. S + S. R M

25 + 26 E. which is a
Limestone, properly watched
set firmly in the ground
with mound of stone 2 1/2 ft.
high, on S. side, established
as per instructions of
the old Manual

Since I run

S 15' E on a true line bet. Sec
1 + 6.

to 16° 18' E.

ascend.

23, 11 Top of a spur has N 64° W and
S 64° E and descend.

37, 11 Set a basalt stone 16 x 9 x 4 ins
12 ins in the ground for 1/4 Sec
Cor. marked 1/4 S on the face
& raised a mound of stone
along side. Pits impractical.

W. B. 59 M. R 26 E. S + S. R M.

axis-

39.91 cross road, course $N 73^{\circ} W$
+ $S 73^{\circ} E$

53.41 cross wash 24 lbs inside
course $N 70^{\circ} W$ + ascend.

77.11 Set a basalt about $18 \times 15 \times 7$
ins 14 ins in the ground for
core to be 1-6-7 + 12 marked
with 1 notch on N + 5
notches on S edges +
raised a mound of stone
along side, Pits impracticable
Hand rolling
Soil 3^d salt
vegetation Bunchgrasses

$S 15^{\circ} E$. bet. becs 7 + 12
to $13^{\circ} 50' E$.

ascend-

W. B. S & N. R 26 E. S + S. R. W.

Chains -

- 11.84 Top of spur hrs. N 40° W &
S 40° E & descend.
- 27.88 Cross Wash 25 lbs wide
course N 47° W & ascend.
- 38.40 Top of Butte, hrs. N. W + S. E
& descend.
- 40.00 Set a post 3 ft. long 3 ins
sq. with marked stake 12
in in the ground for 1/4
Sec Cor. marked 1/4 S on W
face & raised a mound
of stone alongside. Pits
impracticable - from which
a Burr Oak 6 in diam hrs.
N 24° E, 47 lbs dia, marked
1/4 S. B. S.
a yellow pine 12 in diam
hrs N 55° W - 45 lbs dia.
marked 1/4 S. B. S.

W. B. 59 U. R 26 E. B + S. R. M.

Chains

80.00 Set a line about 20 x 9 x 4
 ins 16 ins in the ground -
 for cor to bees. 7-12-13+18-
 marked with 4 notches
 on S + 2 notches on U
 edges - + raised a mound
 of stone alongside. P to
 impracticable -

A yellow pine 10 ins diam
 bro U 67 E 14 lbs dist marked
 59 U. R 26 E. S 7. B. S.

A yellow pine 13 ins diam bro
 S. 2. E. 7 lbs dist. marked 59 U
 R 26 E S 18. B. S.

A yellow pine ^{23 ins} ~~23 ins~~ diam bro
 S 200 W 102 lbs dist. marked 59
 U. R 25 E. S 13 B. S.

A pine 30 ins diam bro U 79 W
 66 lbs dist. marked 59 U. R 25 E S 12 B. S.

W. B. S. U. R 26 E. S + S. R W

Chains

Land broken.

Soil 3rd rate.

Timber Pine Spruce

S. 50° E. bet. Secs 10 + 18

to 13° 46' E

Descent

8.17

Cross wash 20 lbs wide
Course N 8° W + continue
descent.

40.00

Set a basalt stone 18 x 13
x 6 ins 12 ins in the ground
for 1/4 Sec Cor. marked 1/4
on W face + raised a
mound of stone alongside
Pit - impracticable
from which
a pine 16 ins diam has

W. B. S. N. R 26 E. S + S. R M.

Chains

U 640 E 45 lbs dist, marked
1/4 S. B. S.

A pine 23 mis diam bro N 77° W
42 lbs dist, marked 1/4 S. B. S.

45.00 Cross creek 115-lbs wide
course N 10° E + continue ascent.

80.00 Set a lime stone 20 x 9 x 3
mis 15 mis in the ground for
con to Decs - 13-18 + 19 + 24
marked with 3 notches
on S + 3 notches on U
edges + raised a mound
of stone along side, Pits
unpractical, from which
a spruce 25 mis diam bro N 21° E
55 lbs dist, marked S 9 N. R 26 E
S 18. B. S.

A pine 20 mis diam bro S 43° E.
35 lbs dist, marked S 9 N. R 26 E. S 19 B S

W. B. S. & N. R. 26 E. S. + S. R. M.

Chains.

A pine 18 mis diam bro S 87° W
66 lks dist. mark S 9° N R
25 E. S 24 B, S.

A spruce 16 mis diam bro
N 45° W 46 lks dist. marked
S 9° N. R 25 E. S 13 B, S.

Board broken.

Soil 32 sets

Timber Pine & Cedar.

L 15° E, bet. Dec 19 + 24
Va 13° 12' E.

Legend.

24.90

40.00

Top of pine bro. N. W. + Dec 24.

Stump - line stone 20 x 8

73 mis 16 mis in the ground
for 1/4 Dec. can mark 1/4 S
on the face. Dry pits
18 x 18 x 12 mis N + S of stone

W. B. S. of N. R. 26 E. S. 1 R. 10

Chairs -

5 1/2 ft. dist.

and raised a mound of earth
1 1/2 ft. high 3 1/2 ft. base
along side from which
a pin 16 ins diam has N 64° E 46 lbs
dist. marked 1/4 S. B. S.

A pin 14 ins diam has N 61° W 33 lbs
dist. marked 1/4 S. B. S.

5-7.00 Cross wash 10 lbs wide, course
N 45° W + ascend.

80.00 Hit a basalt stone 16 x 13
x 5 ins 12 ins in the ground
for core to be 19-24-25 + 30 -
marked with 4 notches on
2 notches on
N + S edges and ^{raised} mound
of stone along side, from which
a pin 20 ins diam has N 27° E
55 lbs dist. marked 59 N 19. B. S.
A pin 18 ins diam has S 87° E
66 lbs dist. marked 59 N
R 26 E. S 30

W. B. 59 N. R 26 E. S 1 & S. R M.

Chas -

B 5.

a pine 20 ins diam hrs S 45° W 35 lbs
dist. marked 59 N. R 25 E. S 25 B 5.

a pine 16 ins diam hrs N 40° W 46
lbs dist. marked 59 N. R 25 E. S 24 B 5

Sand rolling
Soil 3 → red

Timber Pine & Spruce

Vegetation Bushy grass

S 15' E. bet. Secs 25 & 30
T 10° 12' E

Acad -

40.00 Set a basalt stone 18 x
13 x 4 ins 12 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 stone

W. B. S. N. R 26 E. S + S. R W.

ms-

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

A pine 10 ins diam bro N 31° E

41 lbs. dist. marked 1/4 S. B. S.

A pine 16 ins diam bro N 75° W

33 lbs. dist. marked 1/4 S. B. S.

47.00 Top of spur bro E + W + descend.

54.00 Cross creek 100 lbs wide

Course W + ascend.

69.00 Top of spur bro E + W and
descend -

70.81 Leave timber bro E + W.

80.00 Set a basalt stone 16 x 12 x 8

ins 10 ins in the ground

for Cor to bees - 28-30-31+36-

marked with 4 notches

on S + 5 notches on W

edges. & raised a mound

W-B. Sp 9 N. R 26 E. 15 + D. R M.

Chains

of stone along side, Pits
impracticable

Band rolling + broken
Soil 3² rotte.

Timber Pine + Cedar,

D 15' E. bet. Secs 31 + 36
ba 13° 40' E.

Descend

8.40 Cross creek 89 lbs wide

Course N 73° E + ascend

31.00 Enter timber hrs E + W.

40.00 Hit a lime stone 16 x 13 x 4

ins 12 ins in the ground

for 1/4 sec cor, marked 1/4

8 on W face, + raised

a mound of stone along side

Pits - impracticable

W. B. Sp. U. R 26 E. S + D. R M,

chains

from which.

A pine 58 ins diam has
N 72° E 50 lbs dist. marked
1/4 S. B. S.

A pine 10 diam has S 10° W
47 lbs dist. marked 1/4 S. B. S.

63.20

Cross mark 35-lbs wide
course N 43° W + second.

80.00

The standard cor to Sp 9 U
R 25 + 26 E.

Band rolling -

Soil 3° rate.

Timber, Pine, Cedar -

Fir + Spruce.

I carefully examined
my solar compass today
particularly the latitude
+ reversing apparatus
+ found it correct.
June 30 - 1888

e. By. 57 N. R. 30 E. 1/2 S. R. M.

blains

From the Standard Cor- to
 57 N. R. 30 + 31 E -
 which is a Post, marked &
 notched 4 ins. sq. with
 mound of earth 2 1/2 ft. high
 around post, with pits, est
 ablished esp in instructions
 of the old Mammal

From
 North bet. Secs 34 + 36 -
 to 130 45' E

- ascend gradually,
- 19.25 cross waffle 12 lbs wide
- Course N. W + ascend
- 31.20 Enter timber line -
- N. W + S. E.
- 40.00 A rock in place 72 x

E. B. 59. N. R 30 E. S. 1. R. M.

Chains

60 x 5 ins, which I marked
for the $\frac{1}{4}$ Sec Cor. $\rightarrow \frac{1}{4}$ S on
the face + raised a mound
of stone along side. Pits
unpracticable from which

a pine 12 ins diam brs N 85° E
12 lbs dist. marked $\frac{1}{4}$ S. B. S.

a pine 16 ins diam; brs N 86° W
15 lbs dist. marked $\frac{1}{4}$ S. B. S.

54.85 Top of ridge brs. N. W. \rightarrow S. E. \rightarrow
descend.

80.00 Airta sand stone 16 x 12

x 10 ins 10 ins in the ground
for Cor to Secs. 25-30-31 & 36
marked with 1 notch on

S + 5 notches on N edges

Dug pits 18 x 18 x 12 ins
in each Sec $5\frac{1}{2}$ ft. dist.
+ raised a mound of earth

E. B. Sp 9. N. R 30 E. 15 + S. R 70.

Chairs.

2 ft. high $4\frac{1}{2}$ ft. bases
 alongside, from which
 a line is drawn
 N 25° W 13 lbs dist. marked
 S 9. N. R 31 E. S 25 R 5

Band rolling

Soil 2' + 5' rate

Timber Pine + Cedar

Vegetation Bunchgrass

North and tree line
 bet. Secs. 25 + 30

to 15° 45' E.

Descend. gradually

4000 ft a sand stone 12 x 10 x 7 in

is in the ground for $\frac{1}{4}$ sec
 Cor. marked $\frac{1}{4}$ S on W face.

Dug pits 18 x 18 x 12 in N

19
E. B. Sp 9 N. R 30 E. S + S. R M.

Chairs.

4 S of stone $5\frac{1}{2}$ ft. dist. + raised
a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft base alongside.

Y 0.00

Set a post 4 ft long 4
ins. sq with marked stone
12 ins in the ground for
cor to bees 19-24-25+30
marked 59 N. R 30 E. S 19 on
N. E. ^{R 31} S 30 on S E. 59 N. R 30 E
S 25 on S W + S 24 on W. W

faces with 2 notches on
S + 4 notches on W edges.

Dug pits $18 \times 18 \times 12$ ins in
each S + $5\frac{1}{2}$ ft. dist.

+ raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base
around post from which
a cedar 28 ins diam bro S 30 W

114 lbs dist. marked 59 N. R 30 E S 25

EB Spgn. R 30 E. S. S. R m

Chassis-

B. S.

a cedar 2 yms diam hrs -

at 89° W 4 elks dist, marked

Spgn. R 30 E S 24 B S.

bound rolling.

Soil 3^d rank

Timber Pine + cedar.

Vegetation Bunchgrass

At the bet hrs 19 + 24

ba 130 45' E.

Descend gradually.

5.10

Cross gulch 10 lks wide, course
N. W. ascend.

25.35

Top of ridge hrs N. 40° W
S 40° E + descend.

40.00

hit a sandstone 20 x 16 x 4 ins
16 ins in the ground for 1/4 sec

E. B. Sp 9 N, R 30 E, S 4 S. R M,

Chains

Cor. marked $\frac{1}{4}$ S on W face
 + raised a mound of stone
 long side pits impracticable

40.65- Cross gulch 10 lbs wide
 corner N 20° W + ascend.

80.00 Set a sand stone 15 x 14
 x 4 ins 12 ins in the ground
 for Cor to be 15-18-19 x 24
 marked with 3 notches
 on N + 3 notches on
 S edge. Dry pits 18 x 15
 x 12 ins in each be $5\frac{1}{2}$
 ft. dist. + raised a mound
 of earth 2 ft. high $4\frac{1}{2}$ ft.
 base long side

from which -

a cedar 28 ins diam be
 S 80° W. 114 lbs dist. marked
 S 9 N. R 30 E, S 24. B. S.

20A

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E. C. S. N. R 30 E. S. & S. R. M.

Chains -

a cedar 24 ins diam base -
N 89° W. 42 lbs dist, marked
S. N. R 30 E. S. 15 B. S.

band rolling

soil 3rd rate

Timber Pine & cedar

vegetation Bunchgrass

North bet. Dec 15 & 18

to 10° 45' E

ascend

8.00

Top of ridge base
E & W + described

14.10

Cross Coyote Creek 10
lbs with course W & ascend -

40.00

Set a post
3 ft. long 3 ins sq
with infarked

E. B. Sp 9 N. R 30 E. B. S. R M.

stone 12 ins in the ground
for $\frac{1}{4}$ " Dec cor. marked $\frac{1}{4}$ S
on the face. Dry pits 18 x 15
x 12 ins N + S of stone $5\frac{1}{2}$
ft. dist. & raised a mound
of earth $\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base ~~along side~~
aproned pit

0.000
Set a volca for stone
10 x 8 x 8 ins 8 ins in the ground
for cor to Decs 7-12-13-18
marked with 4 notches on S
& 2 notches on N edges

& raised a mound of stone
Pit impractical
along side of one which -
a pit 12 ins diam bro S 7° E
6 lbs dist. marked S 9 N. R 31 E
S 10 B. S.

A pine 10 ins diam bro S 7 1/2° W 32 lbs
dist. marked S 9 N. R 30 E. S 10 B. S.

E. B. Sp 9 N. R 30 E. S + S. R W.

Chains.

Band mountains

Soil 5° rate

Triller Pine + Cedar

Vegetation Bunchgrass

North h. Sec. 7 + 12

ba 130° 45' E

Ascend.

40.00

hit a volcanic stone

8 x 8 x 8 ins 6 ins in the ground

1/4 sec cor. marked

1/4 S on W face, Dug pits

18 x 18 x 12 ins N + S of stone

5 1/2 ft. dist + raised an

mound of earth 1 1/2 ft.

high 3 1/2 ft. base slanted.

44.50

Top of ridge h. E + W +

descend.

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E. B. Sp 9 U. R 30 E. S + S. R W.

Chains -

6620

Cross road to New Mexico
course $\backslash 60^\circ E$ in day
& ascend.

8000

Set a sand stone 12×10
 $\times 6$ ins $\&$ ins in the ground
for cor to base 1-6-7 & 2
marked with 5 matches
on S + 1 match on N
edges + raised a mound
of stone along side. Pts
impractical from which
a pine 10 ins diam had $25\frac{3}{4}^\circ E$
50 lbs dist. marked S 9 U R
31 E. S 7 B. S.

band mountains.

Soil 3^d rate.

Timber Pine + Cedar.

Vegetation Bunchgrass -

E. B. Sp 9 N. R 30 E. B + S R W.

Chains -

North bet. Secs 1 + 6.

to 15° 45' E.

ascend.

40.00

Set a post 3 ft. long 3
 ins sq with marked stone
 12 ins in the ground for $\frac{1}{4}$ sec
 cor marked $\frac{1}{4}$ S on W face
 Dig pits 15 x 15 x 12 ins
 N + S of post 5 $\frac{1}{2}$ ft. dist.
 + raised a mound of earth
 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base
 around post.

50.00

Top of mesa hrs E + W

70.00

Beaver timber hrs E + W.

80.00

Set a post 4 $\frac{1}{2}$ ft. long 4 ins
 sq. with marked stone
 12 ins in the ground for
 cor to Sp 9 + 10 N. R 30
 + 31 E. marked -

E. B. 5/9 N. R 30 - E. 30 & S. R 30,

Chains.

510 y ~~chain~~ S 31 on N E,
~~chain~~ R 31 E. S 6 on S E,
59 N ~~chain~~ S 1 on S W,
& S 36 on N W faces - with
6 notches on each edge -

Dug pits 24 x 18 x 12 in
N. E. S & W of post 6 ft.
dist. cross-wise on each
line & raised a mound
of earth 2 1/2 ft. high 5 ft.
base around post

Band mountainous
Soil 3^d rate

Timber Pine & Cedar
Vegetation Bunchgrass.

July 18 - 1882

N. B. 15 of N. R. 30 E, 15 + 1 R. M.

Chains

Before proceeding with the sections of this township I made a change of 5 minutes in the latitude part of my Solar Compass. by adding the same to the reading previously given & at noon verified & corrected the same by observations on the sun. I also further tested the instrument by reversing.

From the cor to Sp-
 9 + 10 N. R. 30 + 31 E,
 just now established -
 From west on a random
 line on N. boundary of Sp
 to 13° 45' E,
 I set temporary corners

N. B. T. 9 N. R 20 E. 5 + S. R M.

Chains

at every 1/2 mile, and at 5 miles 77.50 chs. I arrive at a point 250 lbs S of cor. 5 ps 9 + 10 R 0 29 + 30 E recently established - from which cor. I run 889042' E on a true line bet. Secs 6 + 5,

ba 13° 45' E.

Descend.

3 3.50 Cross gulch 10 lbs wide. Course N. W + ascend.

37.50 Set a post 3 ft. long 3 ins sq. with marks above 12 ins in the ground for 1/4 sec cor marked 1/4 S on N. face. Dig pits 18 + 18 + 12 ins E + W of post 5 1/2 ft. dia. + raised

N. B. Sp 94. R 30 E. S + S. R. M.

Chairs

a mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base
around post.

77.50 Set a sand stone 36
x 16 x 3 ins 25 ins in the
ground for cor to trees.
S-6-317 32 marked with
1 notch on W + 5 notches
on E edges + raised a
mound of stone along
side. Pits impracticable
from which
A pine 20 ins diam bro.
N $20\frac{1}{4}^{\circ}$ W - 15 lbs dist. marked
S 104. R 30 E. S 31 B. J.

Soand hilly

Soil 32 not

Timber Pine + Cedar

Vegetation Bushy grass

St. B. Sp. 97. R 30 E. S + S. R. M.

Chains -

S 89° 42' E bet. Secs 5 + 32
to 18° 45' E,

Ascent.

40.00 Set a sand stone 14 x 10 x 8
ins 10 ins in the ground
for 1/4 S ^{marked 1/4 S} Cor. on the face
and raised a mound of
stone alongside. Pits
impracticable

45.00 Top of ridge bet N + S
descend

80.00 Set a sand stone 16 x 10 x
8 ins 12 ins in the ground
for Cor to Secs. 4-5-32 + 33
marked with 2 notches
on W + 4 notches on E
edges + raised a mound
of stone alongside. Pits
impracticable

St. B. 59 St. R 30 E. S. 1. R. M.

Chains!

band mountains -

Soil 3^d rate.

Timber Pine & Cedar,

Vegetation ~~Bunchgrass~~

3 89° 42' E on a true
line bet. Dec. 4 & 33,

to 13° 45' E,

Decend.

6.00 Cross dry wash so like
wide lower S W + ascend

40.00 Marked a pine tree 5 mis
down for 1/4 Sec Cor. marked
1/4 S on N face. Dug pits
18 x 18 x 12 mis E + W of tree
5 1/2 ft. deep, & raised a
mound of earth around
tree.

A. B. S. got R₃₀ E. S. & S. R_W.

main.

80,000

Set a post 4 ft. long
4 ins sq. with marked stone
12 ins into the ground for
line to Secs - 13-4-33 & 34.

marked 510 N. S 34 on N E,

R₃₀ E S 3 on S E, 59 N. S

4 on S. W. & S 33 on N. W. faces

and 3 notches on E & W

edges. Dug pits 18 x 18 x 12

ins E & W of post 5 1/2 ft.

dia. & raised a mound of

earth 2 ft. high 4 1/2 ft.

base around post.

from which -

A pine 22 ins diam bro S 62°

E, 88 lbs dia. marked 59 N

R₃₀ E S 3 B. S.

A pine 14 ins diam bro N 21 3/4° W

94 lbs dia. marked 510 N, R₃₀ E

A. B. 5/9. N. R so E. S + S. R M.

Chains

S 33 B. S.

Band mountains.

Soil 3^d rate

Timber Pine + Cedar

Vegetation Bunchgrass

S 89° 42' E bet. Secs 3 + 34

to 13° 45' E.

Ascend

40.00

hit a sand stone 22 x 14 x 6

ins 16 ins in the ground

for 1/4 sec cor. marked

for S on N face. Dig

pits 18 x 18 x 12 ins E + W

of stone 5 1/2 ft. dist &

raised a mound of earth

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

along side -

A. B. Spg U. R 30 E. S + S. R M,

Chains

40.00

Set a post 4 ft. long 4 ins
sq with marked silver
12 ins in the ground for
Cor to Secs 23-34+35-
marked. S. 10 U. S 35 on N. E.
R 30 E S 2 on S. E. 59 U.
S 3 on S W + S 34 on N W
faces with 4 notches
on W + 2 notches on E
edges. Dig pits in each
Sec 15 1/2 ft. dia. + raised
a mound of earth 2 ft.
high 4 1/2 ft. base around
post. From which
a pine 14 ins diam br 48° W
20 lbs dist. - marked. S. 10 U
R 30 E. S 34 B. S.

Band mountainous

and 30° rate

N. B. 597. R 30 E. S. 1. R. M.

Chains

Timber Pine & Cedar,
Vegetation Bunchgrasses.

S 89°42' E. bet. bes 2 + 35.
Ta 130°45' E.

Ascend.

40.00

Set a post 3 ft. long
3 ins sq. with marks
show 12 ins in the
ground for 1/4 Sec Cor,
marked 1/4 Sec N face
Dug pits 18 + 18 + 12 ins
E + W of post 5 1/2 ft.
dist. + raised a mound
of earth 1/2 ft. high
3 1/2 ft. base around post.
from which.

A pine 16 ins diam bes.

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N. B. 59 N. R. 30 E. S. 35 S. R. W.,

Chains.

S 69 1/2° W 30 lbs dist. marked
1/4 S. B. S.

66,500 Cross mark 25 lbs wide
Course N. W. + ascend.

7400 Top of mesa + across same
80,000 Set a post 4 ft. long 4 ins
sq. with marked stake 12
ins in the ground for cor
to be. 1-2-3-4-5-6 marked
510 N. B. 36 on N. E. R. 30 E
S 1 on S. E. 59 N S 2 on S W
+ S 35 on N W faces with
1 notch on E + 5 notches
on W edges. Dug pits
18 x 18 x 12 ins in each see
5 1/2 ft. dist. + raised a
mound of earth 2 ft.
high 4 1/2 ft. base around
post. If you wish

N. B. 59 N. R 30 E. S + S. R M.

Chairs-

A cedar 16 mi Drains base
S 26 1/2° W 40 lks dist. marked

59 N. R 30 E S 2 - B. S.

A cedar 8 mi Drains base

N 46° W. 37 lks dist. marked

510 N. R 30 E. S 35 B. S.

band rolling

Soil 3rd rated

Timber Pine & cedar,

vegetation Bunchgrass

S 89° 42' E bet. Secs 1 + 36

ba 13° 45' E,

Across mesa,

40.00

Set a post 3 ft. long
3 in sq. with marked
stone 12 in in the
ground for 1/4 Sec Cor.

A. B. 59 N R 30 E, S + S. R. M.

Chains -

marked $\frac{1}{4}$ S on N face
 Ring pits 18 x 18 x 12 ins
 E + W of post $5\frac{1}{2}$ ft.
 dist. + raised a mound
 of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base around post
 beaver timber bet N + S.
 The cor to Sp 9 + 10 N. R
 30 + 31 E.

73.00
 80.00

band rolling
 Soil 32 rats
 Timber Pine + Cedar,
 Vegetation Burdock grass

A. B. T. N. R 31 E. 4 + 1. R M.

Chains.

From the cor to Tps 9 + 10 N -
R_s 30 + 31 E, recently established
I run East. on a true line
bet. Secs. 6 + 31 -

Tr_a 13° 45' E,

Across mesa.

40.00 Set a post 3 ft. long, 3 in
sq. with marked slant 12
in in the ground for $\frac{1}{4}$
Sec cor, marked $\frac{1}{4}$ Sec N
face. Dug pits 18 x 18 x 12
in E + W of post $5\frac{1}{2}$ ft.
dist. + raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base around post.

55.00 Enter heavy timber
hrs. N 20° E + S 20° W, leave
mesa + ascend.

80.00 Set a post 4 ft. long

A. B. T. 9 N. R 31 E. S 3 S. R. M.

chains.

4 ins sq with marked stone
 12 ins in the ground for
 Cor to Sec 5 1/2 - 31 + 32
 marked 510 N - S 32 on N E,
 T 9 N. S 5 on S. E. R 31 E. S 6 on
 E. W + S 31 on N. W ^{faces}

1 notch on W + 5 notches

on E edges, Dug pits
 18 x 18 x 12 ins - in each

Sec 5 1/2 ft. dist. & raised a
 mound of earth 2 ft. high
 4 1/2 ft. base around post
 from which.

a pine 12 ins diam brs -
 N 63 1/2° W 2 lbs dist. marked
 510 N. R 31 E S 31 B. S.

• Road level & rolling.
 Soil 2nd + 3^d rate.
 Timber, Pine & Cedar.

St. R. 59, N. R 31 E 2 S + S. R. M.

Chains-

Vegetation, Bunchgrass

East. bet. Secs 5 + 32.

to 13045' E.

Ascend -

11.00 Top of ridge bet N + S + ascend

31.50 Cross low bet bet N + S + ascend.

40.00 Top of spur bet N + S - on
 which I set a post 3 ft
 long 3 ins sq, with marked
 stake 12 ins in the ground
 for $\frac{1}{4}$ Sec cor. marked $\frac{1}{4}$ S
 on N face, + raised a
 mound of stone alongside.
 Pits impracticable, for which
 a pine 10 ins diam bet S $50\frac{1}{2}$ W
 22 lbs dist. marked $\frac{1}{4}$ S. B. 5.

Descend -

N. B. 59 N. R 31 E. S 33 & S. R 31 E.

trains-

50.00 Cross low bay course N + S - descent
 70.00 Cross road to New Mexico course
 N. E. + S. W.

80.00 Set a post 4 ft. long 4 ins sq -
 with marked stone 12 ins in
 the ground for cor to Sec -
 4 - 5 - 32 + 33, marked S 10 N.
 S 33 on N. E. 59 N. S 4 on S. E.
 R 31 E. S 5 on S. W + S 32 on
 + 2 notches on W + 4 notches on E edges
 N. W faces. Dry pits 18 x 18 x
 12 ins in each Sec 5 1/2 ft.
 dist. + raised a mound of
 earth 2 ft. high 4 1/2 ft. ^{base} high
 around post from which
 a pine 12 in diam bro - N 41° E
 80 lbs dist. marked, S 10 N. R
 31 E, S 33 B. S.
 A pine 12 in diam bro - S 30 3/4° E
 50 lbs. dist. marked 59 N. R 31 E

A. B. 59 A. R. 31 E. S. 1. R. M.

Drains

S. 4 B. S.

Land level & rolling.

Soil 2nd & 3rd rate.

Timber Pine & Cedar.

Vegetation Bunchgrass.

East. bet. 4 + 53.

ba 13° 45' E.

Ascend.

40.00

Set a post 3 ft. long 3 ins sq. with marked stone 12 ins in the ground for 1/4 in. cor. marked 1/4 S on N. face. Dig pits 15 x 15 x 12 ins E & W of post 5 1/2 ft. dist. & raised a mound of earth 1 1/2 ft. high 3 1/2 ft base

A. B. 59 A. R 31 E. S + S. R. M.

chains

around post, from which
a pine & misdrum has η 47° W
35 lbs dist. marked $\frac{1}{4}$ S. B. 5.

Descend.

69.00

Beane timber has η + S.

80.00

Set a post 4 ft. long 4 ins sq
with marked stem, 2 ins
in the ground for Cor to
bees - 3-4-33+34 - marked

S. 0 η . S 34 on N. E. 59 η .

S 3 on S. E. R 31 E. S 4 on S W

+ S 33 on N. W. faces - +

3 notches on E + W edges -

Dug pits 18 x 15 x 12 in.

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

+ raised a mound of earth

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

around post,

to and mountains.

N. B. T. G. N. R. 31 E, G. S. R. M.

Chains

Soil 3^d rate.

Timber, Pines & Cedar.

Vegetation Bunchgrass

East bet. Secs 3 & 34.

to 13045' E.

Descend,

12,00

Cross low sag bet N & S
& ascend.

40,00

Top of ridge bet N & S.
on which I set a lava
stone 10 x 8 x 8 ins 6 ins
in the ground for 1/4 Sec
cor. marked 1/4 Sec N
face. Dug pits 18 x 18 x
12 ins E & W of stone 5 1/2
ft. dist. & raised a mound
of earth 1 1/2 ft. high

A. B. Dg N. R 31 E. 40 S. R. M.

ains

65.90

3/2 ft. base alongside.
 Intersect boundary line
 bet. New Mexico + Arizona
 at a point 39.50 chs S of
 19th mile post. at which
 point I set a lava stone
 14 x 12 x 10 ins, 10 ins in the
 ground for closing Cor to
 Dps. 9 + 10 N. R 31 E, marked
 C.C. with 4 notches on the
 edge. + raised a mound
 of stone alongside, Pits
 impracticable.

Land rolling

Soil 2nd ratf.

Vegetation Bunchgrass.

July 19-1882

E. B. S. 10 N. R 30 E. N + S. R M.

Before proceeding with the survey of the
 chains - ~~exterior~~ of this sp. - I made a change of
 5 minutes in the latitude arc of my solar
 compass - from the reading previously given
 + verified same by observation on the sun
 from the cor to Dps 9 + 10

N. R 30 + 31 E, recently
 established - I run North
 bet. Dps 31 + 36

ba 13° 40' E,

across mesa.

20.00 Leave mesa bet E + W
 & ascend.

22.00 A house bet E 100 lbs-
 dist.

40.00 Set a post 3 ft. long 3
 ins sq. with marked stone
 12 ins in the ground for
 1/4 sec cor. marked 1/4 S on
 W face. Dug pits 18 + 18 + 12
 ins N + S of post 5 1/2 ft.
 dist. + raised a mound of
 earth around post, from
 which

E. B. S. on R 30 E. 4 + S. R. W.

hairs

a pine 12 ins diam base
 S 25 3/4° W. 86 lbs dist. marked
 1/4 S. B. S.

8000

Top of ridge base E + W on
 which I set a post 4 ft.
 long 4 ins sq. with marked
 slate 12 ins in the ground
 for cor to base 25-30-31 +
 36 marked. S 10 W. S 30 on
 N. E. R 30 E S ^{MS. 2} 31-A R 30 E. S
 36 on S. W + S 25 on N W
 faces. with 1 notch on S
 & 5 notches on N edges.

Dug pits 14 x 18 x 12 ins in
 each base 5 1/2 ft. dist. &
 raised a mound of earth
 2 ft. high 4 1/2 ft. base around
 posts. From which
 a pine 10 ins diam base

E. B. S. O. N. R 30 E. S + S. R W.

Chains -

$\eta 33\frac{1}{2}^{\circ}$ E. 63 lbs dist. marked

S. 10 η . R 31 E. S 30 B. S.

a fine 6 ins diam has $\delta 23\frac{1}{2}^{\circ}$ E
80 lbs dist. marked S. 10 η . R 31 E
S 31 B. S.

a fine 6 ins diam has $\eta 56\frac{1}{2}^{\circ}$ W
45 lbs dist. marked S. 10 η . R 30
E. S 25 B. S.

Band level + rolling.

Soil 2nd + 3^d rates.

Timber Pine + Cedar.

Vegetation, Bunchgrass

North bet. Secs 25 + 30.

to 150 40' E

Descend.

10.00

Became timber has 25 W

40.00

Set a post 3 ft. long

E. B. S. O. U. R 30 E. L + S. R U.

rais-

3 ins sq with marked about
12 ins in the ground for
 $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ on
W face. Dug pits 18x18x12
ins. U + S of post $5\frac{1}{2}$ ft.
diam. + raised a mound
of earth ^{$1\frac{1}{2}$ ft. high. $3\frac{1}{2}$ ft. base} around post.

80.00

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
marked S. O. U. S 19 on U. E.
R 31 E. S 30 on S. E. R 30 E
S 25 on S. W + S 24 on U W
faces - + 2 notches on S
+ 4 notches on U edges.
Dug pits 18x18x12 ins
in each Sec $5\frac{1}{2}$ ft. diam.
+ raised a mound of

E. B. Sp 107. R 30 E. 5 + S. R. U.

Chains -

earth 2 ft. high $4\frac{1}{2}$ ft.
 base around post
 band level + rolling
 soil 2nd + 3rd rate
 Timber Pine + cedar
 vegetation Bunchgrass

North bet. Secs. 19 + 24
 Va 130 40' E.

Descend

40.00 Set a post 3 ft. long 3
 ins. sq. with marked other
 12 ins in the ground for
 $\frac{1}{4}$ sec cor. - marked $\frac{1}{4}$ S
 on N face. Dig pits
 18 + 18 + 12 ins N + S of post
 $5\frac{1}{2}$ ft. dia. and raised a
 mound of earth $1\frac{1}{2}$

E. B. S. 10 N. R 30 E. S. + S. R. M.

chains -

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

80.00

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 S 10 N. S 18 on N. E.

R 31 E. S 19 on S. E. R 30 E

^{m. S. W.} S 24 N + S 13 on the faces -

with 3 notches on S + S. E

notches on the edges. Dry

potholes 18 x 18 x 12 ins in each

Sec $5\frac{1}{2}$ ft. dist. & raised

a mound of earth 2 ft.

high $4\frac{1}{2}$ ft. base around

post.

Band rolling.

Soil 2nd rate

Vegetation Bunchgrass.

E. B. 5107. R 30 E. S + S. R W.

Chains-

North bet. 13 + 18.

ba 13° 40' E.

Ascend gradually.

40.00

Set a post 3 ft. long
2 ins sq. with marked
stone 12 ins in the ground
for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
S on W face. Dig pits
18 x 18 x 12 ins N + S of post
5 $\frac{1}{2}$ ft. dia. & raised a mound
of earth $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft.
Wase around post.

50.00

Enter timber bet E + W.

64.00

Leave timber bet E + W.

80.00

Set a post 4 ft. long
4 ins sq with marked stone
12 ins in the ground for Cor.
to Secs - 7 + 12 - 13 + 18 -
marked, 5107. Sec 7.

E. B. 510 N. R 30 E. S 1 & D. R M.

on N. E. R 31 E. S 1 R. on S. E.
R 30 E. S 13 on S. W. +
S 12 on N. W. faces with
4 notches on S + 2 notches

on N. edges - Dry pits
18 x 18 x 12 ins in each see
5 1/2 ft. dia. + raised a
mound of earth 2 ft. high
4 1/2 ft. base. around each
probe which -

A cedar 12 ins diam
bas. N 34 W. 90 lbs dia.
marked 510 N. R 30 E. S 12 B. S.

Band rolling -

Soil 2nd rate.

Timber Pine & Cedar

Vegetation Bunchgrass

E. B. S. o. N. R 30 E. S. & S. R. W.

Chassis

North bet. Secs 7 + 12

to 13° 40' E.

Ascend gradually.

40,000

Set a post 3 ft. long 3
ins sq. with marked stone
12 ins in the ground for
1/4 Sec. Cor. marked 1/4 S on
W face. Dig pits 18 x 18 x
12 ins N + S of post 5-1/2 ft.
dib, + raised a mound
of earth 1/2 ft. high 3 1/2
ft. base around post.

80,000

Set a post 4 ft. long 4 ins
sq. with marked stone 12
ins in the ground for Cor
to Secs. 1-6 7 + 12. marked
S 10 N. S 6 on N. E. R 31 E. S.
7 on S. E. R 30 E. S 12 on S W
+ S. on N W faces - with

E. B. S. of U. R. 30 E. S. 1. R. 11.

basis-

5 notches on S + 1 notch on
 N edges. Dug pits 18 x 18 x
 12 ins in each Dec 5 1/2 ft.
 dia + raised a mound
 of earth 2 ft 4 1/2 ft to base
 around post.

Band rolling

soil 2nd rate

Vegetation Bluegrass.

North bet. Decs 1 + 6,

bearing 13° 40' E,

ascend gradually.

Enter timber bet S + W.

400

4000

Set a post 3 ft. long 3 ins
 sq. with marked stake, 12
 in into the ground for 1/4 Dec
 cor., marked 1/4 S on W face

E. B. S. o. N. R 30 E. S. v. S. R W

Chairs

Dug pits $18 \times 18 \times 12$ ins
N v S of post $5\frac{1}{2}$ ft. dia.
& raised a mound of earth
 $\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
around post.

70.00

Beave timber brs E+W,

80.00

Set a post 4 ft. long 4 ins
sq. with marked slots
12 ins in the ground
for cor to ^{9ms} ~~10~~ 10×11 N. R 30 + 31
E. marked. S 11 N. S 21 on N. E.
R 31 E. S 6 on S. E. S 10 N. S 1 on
S. W + R 30 E. S 36 on N. W face
with 6 notches on each
edge. Dug pits $24 \times 18 \times 12$
ins crosswise on each line
6 ft. dia. & raised a mound
of earth $2\frac{1}{2}$ ft. high 5 ft.
base around post.

E. B. S. O. N. R. S. E. G. S. R. M.

Chains

Band rolling
 Soil 2nd seth.

Vegetation Bunchgrass,

I carefully examined
 my Solar Compass to-day
 particularly the latitude &
 reversing apparatus &
 found them correct

July 20 - 1882

Before proceeding with
 the hysterisis of this Sp-
 I made a change of 5
 minutes in the latitude
 arc of my Solar Compass
 by adding the same
 to the shading previously
 given and at noon

St. B. S. 10 St. R 30 E. S. + S. R. M.

Chains -

verified & corrected the same by observations on the sun. I also further tested the instrument by reversing.

From the Cor to Sp. 10 + 11 N. R. 30 + 31 E. just now established I run West on a random line on N. boundary of Sp. $13^{\circ} 40' E.$

I set a temporary corner at every $\frac{1}{2}$ mile and at 5 miles 78.94 chs. I arrive at a point 24 lbs S of Cor to Sp. 10 + 11 N. R. 29 + 30 E. just recently established. Thence I run S $89^{\circ} 58' E$ on a true line

A. B. T. o. A. R. 30 E. 1/4 S. R. M.

chains

bet. Sec 6 + 31.

to 13° 40' E.

Descend gradually -

24.50

Leave timber bet 1/4 + S.

38.94

Set a post 3 ft. long 3 ins sq. with marked stone

12 ins in the ground for

1/4 sec. cor. marked 1/4 S

on N face. Dig pits 18 +

15 + 12 ins E + W of post

5 1/2 ft. dist. + raised a

mound of earth 1 1/2 ft.

high 3 1/2 ft. base around post.

52.84

Cross gulch 5 lbs wide

course S + ascend.

73.00

Top of ridge bet 1/4 + S + descend.

78.94

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

12 ins in the ground for

A. B. S. 100 ft. R 30 E. S + S. R. W.

Chains.

Con to Secs - 5 - 6 - 31 + 32
marked S. W. S 32 on N E.
R 30 E S 5 on S. E, S. 10 N. S
6 on S. W + S 31 on N. W.
faces. + 1 notch on W + 5
notches on E edges - Dug
pits 18 x 18 x 12 ins in each
Sec 5 1/2 ft. dia, + raised
a mound of earth 2 ft.
high 4 1/2 ft. base around feet.

Band holding
Soil 2nd rate

Timber Pine & Cedar -
vegetation Bunchgrass

S. 89° 58' E bet Secs 5 + 32
to 13° 40' E.

Descent gradually -

A. B. S. T. R. 20 E. G. S. R. W.

Mains -

- 8,44 Enter Timber bro G + S.
- 6,57 Cross wash 5 lbs wide
Course S 30° W + ascend
- 10,00 Set a post 3 ft long 3 ins
sq. with marked stone
12 ins in the ground for
1/4 sec cor. marked 1/4 S on
N face. Dug pits 15 x 15 x 12
ins E + W of post 5 1/2 ft.
diam. & raised a mound
of earth 1/2 ft. high 3 1/2 ft.
base around post,
from which -
a cedar 8 ins diam bro
South 30 lbs diam, marked
1/4 S. B. S.
- a pine 12 ins diam bro - N 20°
W marked 1/4 S. B. S.
- 60,00 Top of ridge N. E + S. W +

N. B. S. 10 N. R. 30 E. 15-18 R. M.

Chains.

descend,

64.00 Beave timber bro N + S.

80.00 Set a Boulder $16 \times 15 \times 11$ ins
12 ins in the ground for Cor.
to Sec 4-5-32 + 33 marked
with 2 notches on W + 4
notches on E edges - Dig
pits $18 \times 18 \times 12$ ins in each
Sec $5 \frac{1}{2}$ ft. dia. + raised
a mound of earth 2 ft
high $4 \frac{1}{2}$ ft. base along side.
band rolling.

Soil 2nd rate

Timber Pine + Cedar.

Vegetation Bunchgrass.

S 89° 58' E. bet. Sec 4 + 33.

to 13° 40' E.

St. B. T. to St. R. 20 E. S + S. R. M.

Chains -

Descend -

20.00 Cross wash 5 lbs wide, Course
N 40° W. + ascend -

25.10 Top of ridge has N + S + descend

40.00 Set a basalt stone 14 x 12 x 10
ins 10 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. dia. + raised a mound
of earth 1/2 ft. high 3 1/2 ft.
base alongside

56.93 Cross wash 20 lbs, wide
Course N 30° W + ascend

60.00 Set a basalt stone 18 x 18 x 16
ins 12 ins in the ground for
Cor to Sec. 34 - 33 + 34
marked with 3 notches
on E + W edges Dug

A. B. S 107. R 30 E. 8 + S. R. M

blains-

pits 18 x 18 x 12 ins in
each Sec. 5 1/2 ft. dist
+ raised a mound of
earth 2 ft. high 4 1/2 ft.
base alongside -

Band rolling -

Soil 2nd rate -

Vegetation Bushy grass

S 89° 56' E between Sec 3 + 34

ba. 13° 40' E.

ascend -

15.50

Enter timber hrs. 7. W.

40.00

Set a post 3 ft. long 3

ins sq. with marks

about 12 ins in the

ground for 1/4 Sec cor-
marked 1/4 Sec N for

A. B. 510 N. R 20 E. S + D. R. M.

Dug pits 18 x 18 x 12 ins
E + W of post 5 1/2 ft
dist. + raised a mound
of earth 1 1/2 ft. high 3 1/2
ft. base around post -
from which -

A cedar 8 ins diam bro-
N 61 E - 24 lbs dist. marked
1/4 S. B. D.

A cedar - 10 ins diam bro-
S 74 W - 72 lbs dist. marked
1/4 S. B. D.

4.50

20.00

Beave timber bro N. W + S. E.
Set a post 4 ft. long
4 ins sq. with marked
stone 12 ins in the ground
for cor to bees - 2 - of 34735
marked 510 N. S 30 on N. W.
R 20 E. S 2 on S. W. 510 N.

N. B. S. W. R 30 E. 15 + S. R. W.

Chains -

S 3 on S. W. + S 34 on
with 2 notches on E + 4 notches on W Edges
N. W. faces, 1 Dug pits

18 x 18 x 12 ins in each

See 5 1/2 ft. dish. + raised
- mound of earth 2 ft.
high 4 1/2 ft. base around
post.

Band rolling

Soil 2 in with

Vegetation Bunchgrass

S 89° 5' E bet. sees 2 + 35

ba 13° 40' E.

Sound.

40,000 Set a sand stone 14 x 13 x 9
ins 10 ins in the ground
for 1/4 sec cur marked
1/4 S on N face, Dug -

U B 510 N. R 30 E. S + S. R M

Chains -

pits $18 \times 18 \times 12$ ins E + W
of stone $5\frac{1}{2}$ ft. dia +
raised a mound of earth
 $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
alongside on top of ridge
& descend.

80.00 Set a post 4 ft. long
4 ins sq with marked
stone 12 ins in the
ground for cor to Secs.
11-2-35 + 36 marked 511 N.
S 36 on N. E., R 30 E. S
1 on S. E., 510 N, S 2 on S W
+ S 35 on N. W faces with
5 notches on W + 1 notch
on E edges. Dug pits
 $18 \times 18 \times 12$ ins in each Sec
 $5\frac{1}{2}$ ft. dia, + raised a
mound of earth 2 ft. high

N.B. 5.00 N. R 30 E. 15 + 2. R M.

Chains.

4 1/2 ft. base around post
 Band rolling
 Soil 2" rate
 Vegetation Bunchgrass

S 89° 58' E bet. Secs 1 + 36
 Va 130° 40' E,

Descend.

24,40 Cross Gulch 10 lbs wide
 + ascend.

32,50 Top of ridge bet. N + S descend.

40,00 Set a post 3 ft. long 3 ins
 sq. with marked above 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 + raised
 around of earth 1 1/2 ft.

A. B. S. O. N. R 30 E. S. + S. R. N.

Chauss.

61.40 high $3\frac{1}{2}$ ft. base around post.
Cross low sag, course N. E.
S. W. + ascend.

80.00 The Cor to Tps 10-11 N.
R. 30 + 31 E.

Band rolling

Soil 2nd rate

Vegetation Bunchgrass

A. B. S. O. N. R 31 E. S. + S. R. N.

From the bar to Tps 10 + 11
N. R. 30 + 31 E. Iron East,
on a true line bet. Secs
6 + 31.

Tran 13040' E

10.00 Top of ridge bet N + S
descend.

N. B. 5, 10 N. R 31 E. S. & S. R. M.

chains

- 40.00 Set a post 3 ft. long 3 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 E & W of post 5 $\frac{1}{2}$ ft. dia & raised a mound of earth 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. base around post.
- 80.00 Set a post 4 ft. long 4 ins sq, with marked stone 12 ins in the ground for Cor to Secs 5-6-31 & 32 marked S. 11 N. S 32 on N. E. R 31 E. S 5 on S. E. 5. 10 N. S 6 on S. W & S 31 and with 1 notch on N. & S notches on E edges on N. W faces. Dug pits 18 x 18 x 12 ins in each Sec 5 $\frac{1}{2}$ ft. dia. & raised a mound

H. B. S. o. H. R 31 E. G + S. R. W.

chains

of earth 2 ft. high $4\frac{1}{2}$ ft.
base around post.

Band rolling -

Soil 2nd rate -

Vegetation Bunchgrass -

East bet. Dec 5 + 32 -

ba $13^{\circ} 40'$ E.

ascend

40.00

Set a post 3 ft. long 3 ins
sq with marked slot
12 ins in the ground
for $\frac{1}{4}$ Sec cor. Marked
 $\frac{1}{4}$ S on N face. Dig 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

A. B. Foot. R 3, E. 5 + S. R: W.

Chains

around post.
 80,00 set a post 4 ft. long 4
 ins sq. with marked
 stone 12 ins in the
 ground for cor to Sec.
 4-5-32-33. mark 5 11 W
 S 33 on N. E. R 31 E. S 4 on
 S. E. 5 10 W. S 5 on S. W +
 S 32 on N. W faces with
 2 notches on W + 4 notches
 on E edges. Dug pits 15 x
 15 x 12 ins in each Sec 5 1/2
 ft. dist. + raised a mound
 of earth 2 ft. high 4 1/2 ft.
 base around post.
 Sand rolling
 Soil 2nd rate
 Vegetation Birchgrass

A. B. T. o. K. R 31 E. S 5 S. R. W

Chains-

East, bet. Secs 4 + 33,

to 130° 40' E

ascend.

20,000

Top of ridge bro 4 x 6 x 200

40,000

Set a post 3 ft. long 5 ins sq. with marked stone 12 ins in the ground for 1/4 Sec Cor. marked 1/4 on N face, Dug pits 18 x 18 x 12 ins in each Sec 5 1/2 ft. dia. + raised a mound of earth 1/2 ft. high 3 1/2 feet around post

80,000

Set a post 4 ft. long 4 ins sq with marked stone 12 ins in the ground for Cor to Secs 3-4-33-34 marked S 11 N. Δ 34 on N. E. R 31 E. Δ 3 on S. E. S 10 N

St B. 5 10 St. R. 3, E. 5 + 2. P. 7

blains

S₄ on S. W + S 3 on N. W
 faces, with 3
 notches on E + W edges.
 Dry pits 18 x 18 x 12 ins in
 each Dec 5 1/2 ft. dist. +
 raised a mound of earth
 2 ft. high 4 1/2 ft. base
 around post.

Band rolling

Soil 2 in water

Vegetation Bunchgrass

East bet. Decs. 34-34.

va 13° 40' E.

Decend.

40.00

Set a post 3 ft. long 3
 ins sq. with marked stone
 12 ins in the ground for

A. B. S., R. 3, E. 4 & S. R. M.

$\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ S on
N face, Dug pits 18×18
 $\times 12$ ins E & W of post
 $5\frac{1}{2}$ ft. dist, & raised a
mound of earth $1\frac{1}{2}$ ft.
high $3\frac{1}{2}$ ft. base - around
post

60,00 Enter valley hrs. N & S.

65,20 Intersect boundary line
bet. Arizona & New Mexico
at a point which hrs -
35,36 chs. South from the
 186^{th} mile post, and
set a sand stone $12 \times 10 \times 10$
8 ins in the ground for closing
Cor to Sps - 10×11 N, R 3, E
marked C. C, with 4 nails
on West edge. Dug pits
N, W & S of stone 6 ft. dist.

A. B. S. 17. R 31 E. S + S. R. M.

Chairs -

24 x 18 x 12 ins crosswise
on each line - 7 raised
a mound of earth $2\frac{1}{2}$
ft. high 5 ft. base along side
Band rolling + Broken
Soil 3rd rate.

Timber Pine + Cedar

Vegetation ~~Bunchgrass~~

July 21 - 1882.

E. B. S. 17. R 30 E. S + S. R. M.

From the Cor to Sp 10 + 11
N. R. 30 + 31 E. just recently
established 9th North
on a random line on E
boundary of Sp -

to 13° 40' E.

E. B. S. N. R 30 E. S + S. R. W.

Chains

Set temporary corners at every half mile - and at 5 miles of 9.83 also arrive at a point 112 lbs East of Cor to Tps 11 + 12 N, R 30 + 31 E, just recently established.

Thence Iron -

S 8' E on a true line bet. Secs 1 + 6 -

to 13040' E -

39.83 Set a basalt 14 x 13 x 9 ins 8 ins in the ground for $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$ S on W face Dry pits 18 x 18 x 12 ins N + S of above $5\frac{1}{2}$ ft. dist. + raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side top of ridge bet E + W + Secs

56.83

E. R. S. 11 N R 20 E, S. 4 S. R. 11 W.

Chains

79.83

Set a lava stone $12 \times 10 \times 9$
 ins 8 ins in the ground
 for cor to be set 1-6-7+12
 marked with 5 notches
 on S + 1 notch on N edges
 Dig pits $18 \times 18 \times 12$ ins
 in each sec $5\frac{1}{2}$ ft. dist.
 raised a mound of
 earth 2 ft high $4\frac{1}{2}$ ft.
 base along side
 Band rolling
 Soil 2nd rate,
 Vegetation Bunchgrass.

S 4' E bet. Secs. 7+12.

to 15° 40' E.

Descent gradually.

40.00

Set a basalt stone

E. B. Smith. Res E. B. & S. R. M.

Chairs.

14 x 13 x 10 ins 10 ins in the
ground for $\frac{1}{4}$ Sec Cor, marked
N on W face & raised a
mound of stone alongside
Pits impracticable!

45.22 Cross wash 15 lbs wide
Course N 50° W & ascend

70.00 Top of ridge hrs E & W &
descend.

78.50 Cross low sag course N. W.
& S E & ascend

80.00 Set a post 4 ft. long 4 ins
sq. with marked stone
12 ins in the ground for
Cor to Secs 7-12 13 & 15 -
marked. 5 in N. S 7 on N E.
R 31 E. S 18 on S. E. R 30 E
S 13 on S. W & S 12 on N. W
faces - with 2 moles on

E. B. D. 117, R 30 E. G. & S. R. M.

Chains

It is 4 notches on S edges -
 Dug pits 18 x 18 x 12 in
 in which see 5 1/2 ft.
 dist. & raised a mound
 of earth 2 ft. high 4 1/2
 ft. base around post
 Band rolling
 Soil 2nd raft
 Vegetation Bunchgrass

S 8' E bet. sees 13 & 18 -
 to 13° 40' E.

Ascend gradually.

38,00

Enter timber bro N, W, & S, E.

40,00

Set a basalt stone 18 x 16 x

14 in 1 2 in in the ground
 for 1/4 sec cor. marked
 1/4 S on W face, Dug

E. B. F. U. R so E. B + S. R U.

chains

File 18 x 18 x 12 ins U + S of stone
 5 1/2 ft. dist + raised a mound
 of earth 1 1/2 ft. high 3 1/2 ft. base
 along side,

80.00

Set a basalt stone 16 x 14 x
 10 ins 12 ins in the ground
 for cor to Secs. 15 - 18 - 19 +
 24 marked with 3 notches
 on U + S edges - Dry file
 18 x 18 x 12 ins in each Sec
 5 1/2 ft. dist. + raised a
 mound of earth 2 ft. high
 4 1/2 ft. base along side
 Soil 2nd rate.

Band rolling

Timber Pine & Cedar.

Vegetation Bunchgrass

E. B. S. 11 N. R 30 E. S. 25 + S. R. M.

Chains -

S. 8' E. bet. Decs 19 + 24
to 13° 40' E.

40.00

Ascend gradually
Set a post 3 ft. long
3 ins sq. with marked
stake 12 ins in the
ground for $\frac{1}{4}$ S - ~~on~~
marked $\frac{1}{4}$ S on W for
Dug pits 18 x 18 x 12 ins W +
S of post 5 $\frac{1}{2}$ ft. dia. +
raised a mound of earth
 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$ ft. dia.
around post.

80.00

Set a post 4 ft. long 4 ins
sq. with marked stake 12 ins
in the ground for Cor to Decs
19 - 24 - 25 + 30 marked -
S 11 N. S 19 on N. E. R 31 E
S. 30 on S. E. R 30 E. S 25

E. B. S., N. R. 30 E. S. + S. R. M.

Chains

on S. W. + S. 2 on N. W. faces
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.
+ raised a mound of earth
2 ft. high 4 1/2 ft. base around
post.

Band rolling

Soil 2nd rate

Timber of Pine + Cedar
vegetation Bunchgrass

S 8' E, bet. Secs. 25 + 30

to 13° 40' E,

Ascend gradually,

Set a post 3 ft. long

3 ins sq. with marked stones

40.00

E. B. 5114. R 30 E. S 31 S. R M.

Chains

12 ins in the ground for
 $\frac{1}{4}$ Sec Cor. marked $\frac{1}{4}$
 S on W face. Dry pits
 18 x 18 x 12 ins N + S of post,
 $5\frac{1}{2}$ ft. disk & raised a
 mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. ^{around post} base from which
 a pine 10 ins diam br $N 60^{\circ} E$
 42 lbs disk. marked $\frac{1}{4}$ S. B, 5.
 A cedar 20 ins diam brs S 20 W
 57 lbs disk. marked $\frac{1}{4}$ S. B, 5.

80.00 Set a post 4 ft. long 4 ins
 sq with marked stone
 12 ins in the ground for
 cor to Secs 25-30-31 & 36.
 marked 5114. S 30 on N E,
 R 31 E. S 31 on S. E, R 30 E
 S 36 on S. W & S 25 on N W
 faces - with 5 volities

E. B. T. 11 N. 14 30 E. 5 + S. R. M.

Chairs-

on N + 1 notch on sedges
 Dug pits 14 + 14 + 12 in in
 each Dec 5 1/2 ft. dist. +
 raised a mound of earth
 2 ft. high 4 1/2 ft. base around
 post from which

a pine 8 ins diam bro N 10° E
 10 lbs dist. - marked T. 11 N. R
 31 E. S 30 B. T.

a pine 8 ins diam bro S E
 13 lbs dist. - marked T. 11 N. R
 31 E. S 31 B. T.

a pine 10 ins diam bro. S 88° W
 82 lbs dist. - marked T. 11 N. R 30 E
 S 36 B. T.

a pine 6 ins diam bro N 12° W
 11 lbs dist - marked T. 11 N. R
 30 E. S 25 B. T.

Band rolling

U. S. Surveyor General's Office,
Tucson, Arizona, Jan'y, 15, 1883.

The foregoing Field Notes of the survey of

Exterior Lines
 W. Boundary, Sp. 9 N. R. 26 E.
 N. " " 9 N. R. 30 E.
 E. " " 9 N. R. 30 E.
 N. Boundary, Sp. 9 N. R. 31 E.
 E. " " Sp. 10 N. R. 30 E.
 N. " " Sp. 10 N. R. 30 E.
 N. " " Sp. 10 N. R. 31 E.
 E. " " ~~Sp. 10~~ N. R. 30 E.

of the Gila and Salt River Base and Meridian, Arizona,
 executed by A. P. Johnson,
 D. S., under his contract of the 8th day of
June, 1882, having been critically ex-
 amined and the necessary corrections and explanations
 made, the said Field Notes and the surveys they de-
 scribe, are hereby approved.

J. W. Robbins