

BOOK 1285

1285

BOOK 1285

F I E L D     N O T E S

OF THE SURVEY OF

Exterior Boundaries of Tps.  
17 N., Rs. 5, 6, 7 and 8 E.,  
18 N., Rs. 6, 7, 8 and 10 E.,  
19 N., Rs. 6, 7, 9 and 10 E.,  
Tp. 20 N., R. 10 E.

Gila and Salt River Base and  
Meridian,

ARIZONA.

By John C. Smith, D. S. under  
Contract dated Dec. 10, 1884.  
Survey commenced Mch. 14, 1885.  
Survey completed Apr. 9, 1885.

BOOK 1285

BOOK 1285

1A

S 20 N, R 5 E

S 20 N, R 6 E

S 20 N, R 7 E

S 20 N, R 5 E

S 20 N, R 9 E

S 20 N, R 10 E

11656  
121677

31 32 33 34 35 36  
43 44 46 48 49 52  
1856 5 4 3 2 1 39  
12677

S 19 N, R 5 E

S 19 N, R 6 E

S 19 N, R 7 E

S 19 N, R 8 E

S 19 N, R 9 E

S 19 N, R 10 E

1316915  
2417119  
2517310

136915  
247219  
257310  
367531 32 33 34 35 36 28  
16 17 19 20 23 25  
6 5 4 3 2 1 12

36 220 31 32 33 34 35 36 175 31 32 33 34 35 36  
2218 216 214 212 210 207 162 160 158 155 153  
204  
1 2 6 5 4 3 2 1 149 6 5 4 3 2 1 120 6  
121477 121477

1237  
1335  
2432  
2530  
367531 32 33 34 35 36 28  
16 17 19 20 23 25  
6 5 4 3 2 1 12  
129

S 18 N, R 5 E

S 18 N, R 6 E

S 18 N, R 7 E

S 18 N, R 8 E

S 18 N, R 9 E

S 18 N, R 10 E

2420319  
2520130  
2619931 32 33 34 35 36 139 31 32 33 34 35 36  
234 197 195 194 193 191 189 137 134 132 130 127 122 121 95 96 93 91  
1 1866 5 4 3 2 1 120 6 5 4 3 2 1 81 6 5 4 3 2 1  
121847 121227 121227

137  
245  
254  
361  
137  
2419  
257930  
367931

S 17 N, R 5 E

S 17 N, R 6 E

S 17 N, R 7 E

S 17 N, R 8 E

S 17 N, R 9 E

S 17 N, R 10 E

1318218  
2418119  
2517930  
3617831

1318  
2419  
257930  
367931

BOOK 1285

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BOOK 1285

See retracement of East E Bdy T 12 N R 6 E by Secor  
this page

See resurvey & retracement by Secor (in 1904) this  
page for W Bdy T 18 N R 7 E

See retracement by Candler (in 1900) this package  
for E Bdy T 19 N R 6 E

See resurvey & retracement by Secor (in 1904) this page  
for N Bdy T 17 N R 6 E

See Survey by Candler (in 1900)  
this package for the W & S Bdy's  
T. 19 N. R. 6 E.

Preliminary Oaths of Assistants.

We Frank J. Hardy  
and H. Middleton

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain over 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 lines of Tps. 17 N. R. 6, 7 and 8 E. Tps. 18 N. R. 6, 7 and 8 E. Tps. 18 N. R. 10 E. Tps. 19 N. R. 6, 7, 9 and 10 E. and Tps. 20 N. R. 10 E.

Gila and Salt River Indian Territory of Arizona.

Frank J. Hardy Chainman.  
H. Middleton Chainman.

Subscribed and sworn to before me, this 16

day of March 1885

R. J. Patterson  
Notary Public.



We George D. Ridenour and  
J. W. Harrington

do solemnly swear that we will well and truly perform the  
duties of Assessors

in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability,  
in the survey of the Extensions of Tps. 17 N. Rs. 5, 6,  
7 and 8 E. Tps. 18 N. Rs. 6, 7 and 8 E.  
Tps. 18 N. R. 10 E. Tps. 19 N. Rs. 6, 7, 9 & 10 E,  
and Tps. 20 N. R. 10 E.

Gila and Salt River Meridian Territory of Arizona.

Geo. D. Ridenour  
J. W. Harrington

Subscribed and sworn to before me this 10<sup>th</sup>

day of March 1885

R. S. Patterson  
Notary Public.

..... I ..... 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.

*John A. Curtis*

Sworn to and subscribed before me this .....

*10* day of *March* 188*5*

*R. S. Patterson*

..... do solemnly swear that .....

will well and truly perform the duties of .....

according to instructions given ..... and to the best of

..... skill and ability.

Sworn to and subscribed before me this

..... day of ..... 188 ..





C. By. of Jh. 18 Oct. R. 10 E

Chains

#

From the cor. to Jh.  
17 and 18 Oct. R. 10 and 11  
E. which is a post  
4 1/2 in. sq. marked  
T. 18 N. S. 34 on N.E. R. 10 E.  
S. 6 on S.E. T. 17 N. S. 1 on  
S.W. and R. 10 E. S. 36 on  
N. N. face, with 6 notches  
on each edge, and  
a mound of stone  
around post.  
I run North 74.  
Dec. 31 and 36

Var 14° 00' E.

Over rocky mesa  
Set a malpais rock  
14 x 10 x 6 ins. 9 ins. in  
the ground for 14 sec.

4000



Grand S. R. M.  
 Chain

No. 1285

cor. marked "4" on N. face  
 and raised a mound  
 of stones along side,  
 Pile impracticable  
 From which a cedar  
 12 ins. in diam. tr. S. 800  
 N. marked "4" S. R. M.

No other trees within  
 limits

70.00 Lench 8th. vi. Co. St.  
 second step bluff. 25 ft high  
 80.00 Set a marker rock  
 12 x 10 x 7 ins. 8 ins. in the  
 ground for Cor. to Sec.  
 25. 30. 31 and 36. marked  
 with 1 notch on S. and  
 5 notches on N. edges.  
 From which a Pine

E. By T. 18 N. R. 10 E.

## Chains

17 ins. in diam. to,  
 N. 20° E. 13 lbs. dist.  
 marked T. 18 N. R. 11 E.  
 S. 30 C.T. A pine 18 ins.  
 in diam. to. S. 61° E.  
 54 lbs dist. marked  
 T. 18 N. R. 11 E. S. 31 C.T.  
 A juniper 30 ins in diam  
 to. S. 34° N. 105 lbs dist.  
 marked T. 18 N. R.  
 10 E. S. 36 C.T.  
 A pine 20 ins. in diam.  
 to. N. 65° W. 145 lbs,  
 dist. marked T. 18 N.  
 R. 10 E S. 25 C.T.  
 Surface broken near land  
 Scattering pine char  
 and Juniper Soil 4<sup>th</sup>  
 Good Grass note



Jan 5. a.m.

Chavis

North Mt. Secs. 25 and 30

Va. 14° 50' E.

As usual

400 Top of these three over  
same

400. Set a malpais rock 14x10x6  
ins. 9 ins. in the ground  
for 14 Sec. low. marked  
14 on N. face and  
ranid a mound  
of stone alongside  
Pike unpracticable

800. Set a malpais rock  
16x9x7 ins. 11 ins. in the  
ground for Sec. to Secs  
19. 24. 25 and 30 marked  
with 2 notches on S. and  
4 notches on N. edges.

E. By. 7/18 A. R. 10 E.

Chains

and raised a  
mound of stone  
alongside.

Site unpracticable  
Surface rocky with  
Soil 4th rate

Good grass

Scattering Bears

North Mt. Sec.

19 and 24

Lat.  $14^{\circ} 00' E$

4000

Set a marker rock  
16 x 9 x 5 ins. 11 ins. in  
the ground for "4"  
Sec. low. marked  
"4" on N. face and  
raised a mound



Jan 18 8 a. m.  
Chairs

of stone, alongside.  
Pit impracticable  
From which a Pine  
30 ins. in diam. fr.  
N. 30° E. 135 lbs. dist.  
marked 14 S. S. T.

No other trees within limits  
4500 Gulch 20 lbs. w. Co E.  
8000 Set a mass of rock  
16 x 10 x 9 ins. 11 ins. in the  
ground for loc. to  
Dec. 10, 15, 19 and 24  
marked with 3 notches on  
N. and S. edges and raised  
a mound of stone  
alongside.  
Pit impracticable  
Surface rocky & broken mass

E. by T. 18 N. R. 10 E.

Chains

Soil 3rd. and 4th rate  
 Grass good  
 Scattered cedar and  
 pines trees.

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North pt. Sec. 10 18 18  
 Va. 14° 58' E.

8.00

Enter dense growth  
 of scrubby cedars.

40.00

Hit a malpais rock  
 10 x 10 x 8 ins. 7 ins. in  
 the ground for "4  
 Sec. low. marked "4  
 on N. face. and  
 raised a mound  
 of stone alongside  
 Pit with vertical

E. by T. 1804. R. 10 E.

## Chairs

- 7000 Descend steep bluff, East  
 side of the Mcgalloway  
 mts. to NW, N & E.
- 8000 Set a marble rock  
 16 x 10 x 7 ins. 11 ins. in  
 the ground for base.  
 to Dec. 7, 12, 13 and 18  
 marked with 4 notches  
 on S. and 2 notches  
 on N. edge. from  
 which a Cedar 6  
 ins. in diam. to.  
 N. 230° E. <sup>19 kts. dist</sup> marked T. 18 N,  
 R. 11 E. S. 7 B. T. a cedar  
 5 ins. in diam. to. S. 240° E.  
 18 kts. dist. marked  
 T. 18 N R. 11 E. S. 19 B. T.  
 a cedar 8 ins. in diam.  
 to. S. 300° W. 25 kts. dist



9  
 E. Ay. T<sub>p</sub>. 18 N. R. 10 E.

Chairs

marked T. 18 N. R. 10 E.  
 S. 13 00' A. cedar 5  
 ins. in diam. fr.  
 N. 20' N. 14 lbs.  
 dist. marked T. 18 N.  
 R. 10 E. S. 12 00'

Surface rough  
 and rocky mesa  
 70 lbs. 10 lbs. mountains  
 Dense cedar and  
 juniper trees. Fine and  
 soil poor

<sup>with</sup>  
 Net Sec. 7 and 12  
 T. 14 00' E.

Through dense scrubby  
 cedars.

20.00 Along E. slope of mount-  
 ain

G. and S. R. M.

## Chains

4000 Set a malpais rock  
 14x10x8 ins. 9 ins. in the  
 ground for "4 sec. cor.  
 marked "4 on N. face and  
 of front which a cedar  
 6 ins. in diam. to. N. 30° E.  
 128 lbs. dist. marked "4 S.  
 B.P. a cedar 5 ins. in  
 diam. to. S. 22° W. 137  
 lbs. dist. marked "4 S.  
 B.P.

8000 Set a malpais rock 12x  
 10x10 ins. 8 ins. in the  
 ground for cor. to Secs.  
 11, 6, 7 and 12 marked  
 with 5 notches on S.  
 and pointed on N. edge.  
 From which a cedar  
 5 ins. in diam. to.

E. Ry. T. 18 N. R. 10 E.

Chains

N.  $50^{\circ}$  E. 22 lks. dist  
 marked T. 18 N. R. 11 E  
 S. 6. B.T. a cedar  
 8 ins in diam. frs.  
 S.  $16^{\circ}$  E. 10 lks. dist  
 marked T. 18 N. R. 11 E.  
 S. 7 B.T. a cedar tree  
 12 ins in diam frs.  
 S.  $43^{\circ}$  N. 14 lks. dist.  
 marked T. 18 N. R. 10 E.  
 S. 12 B.T. a cedar  
 tree 10 ins. in diam,  
 frs. N.  $62^{\circ}$  N. 18 lks.  
 dist. marked T. 18 N.  
 R. 10 E. S. 1 B.T.

Terrain mountainous  
 Soil 4th rate  
 Dense cedar and pines



G. and S. R. M.

Chains

North Pat. Sec. 1 and 6

Ta. 14° 50' E

Along E. slope of mountain

40.00

Set a malpais rock  
12 x 12 x 5 ins 8 ins. in the  
ground for "4 Sec.  
then marked "4 on N.

face, with a line a-  
From which a

juniper tree 6 ins. in  
diam. to. S. 85° N. 3-1/2 lbs.  
dist. marked "4 B. B. T.

a cedar tree 10 ins. in  
diam. to. S. 60° E. 5-1/2 lbs.  
dist. marked "4 S. B. T.

71.00 level 10 lbs. wide to. N.E.

80.00 Set a malpais rock 12 x  
10 x 8 ins. 8 ins. in

E. By. T. 18 N. R. 10 E.

Chain

the ground for  
Co. to Twp. 18 and 19  
N. R. 10. & 11 E. marked  
with 6 notches on each  
edge. From which  
a Spruce tree 6 ins. in  
diam. br. N.  $24^{\circ}$  E.  
10 lbs. dist. marked  
T. 19 N. R. 11 E. S. 31 B. T.  
A cedar tree 10 ins. in  
diam. br. S.  $50^{\circ}$  E. 20  
lbs. dist. marked  
T. 18 N. R. 11 E. S. 6 B. T.  
a cedar tree 12 ins. in  
diam. br. S.  $45^{\circ}$  N. 20 lbs.  
dist. marked T. 18 N.  
R. 10 E. S. 1 B. T.  
a cedar tree 14 ins.

G. and S. R. M.  
 Chavis

in diam. E. N.  $50^{\circ}$  N. 14 lbs.  
 dist. marked T. 19 N. R. 10 E.  
 S. 36 B. T.

Surrounding mountains and rocky  
 Soil 4th rock

Dense scrubby cedars and  
 pines.

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#  
 I carefully examined the  
 adjustments of my  
 Solar Transit to-day  
 particularly the latitude  
 and leveling apparatus  
 and found them  
 correct

March 14th 1845



St. Ry. P. 18 N. R. 10 E.

Chains

From the Cor. to Tps. 18 and 19 N. R. 9 and 11 E. just established I ran West on a standard line  $74^{\circ}50' E$ , setting temporary 14 and Sec. Cor. at each 40 and 80 Chains and at 478.50 chains intersect the range line bet<sup>h</sup> 9 and 10, 220 links N. of the Cor. to Tps. 18 and 19 N. R. 9 and 10 E. which is a rock  $24 \times 20$  ins. marked with 6 notches on each edge and a mound of stones along side.

J. and S. R. M.

Chairs

These I run  $N. 89^{\circ}44' E.$   
on a true line bet.  
Secs. 6 and 31 with same  
run

3850

Set a malpais rock  
 $14 \times 10 \times 9$  ins. 9 ins. in the  
ground for "4 Sec. 6".  
marked "4" on N. face  
and raised a mound  
of Stone alongside.

Put intractable

3850

Set a malpais rock  
 $20 \times 10 \times 8$  ins 15 ins. in the  
ground for line to  
Secs. 5, 6, 31 and 32  
marked with 1 notch  
on N and 5 notches on  
E. edge. and raised

N. By. Tp. 18 N. R. 10 E.

Quins

a mound of stone  
alongside.

Pits impracticable

Surface rolling

Soil 3rd and 1st rate

good grain.

No timber

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N. 89° 44' E. on a  
true line bet. Secs.  
5 and 32.

Va. 14° 5-0' E.

Over rolling country

4000

Set a malpais

rock 14 x 9 x 9 ins.

9 ins. in the ground

for "4 Sec. bet.

marked "4 on



G and S. R. M.

Quartz

N. face and record  
a mound of stone  
alongside.

Pb; impracticable

8000

Set a malpais rock  
15 x 10 x 7 ins. 10 ins. in  
the ground for 6 or  
to Secs. 4, 5, 32 and 33  
marked with 2 notches  
on W. and 4 notches  
on E. edge, and record  
a mound of stone  
alongside.

Pb; impracticable

Surface rolling

Soil rocky substrate

grass good

Scattered scrubby uders

N. Coy. T. 18 N. R. 10 E.

Chairs

N. 89° 44' E. on a  
true line set.

Secs. 4 and 33

Ya. 14° 50' E.

Low rolling country

4000

Set a malpais  
rock 12x10x7 ins.

8 ins. in the ground

for "4 Sec. 4

marked "4 on  
N. face and raised

a mound of  
stone along side

Pib impracticable

8000

Set a malpais rock  
12x10x8 ins. 8 ins. in

the ground for

Cor. to Secs 2, 4, 33 & 34

J. and J. R. M.  
Chairs

marked with 3 notches  
on E. and 3 notches on  
W. edges. and raised  
a mound of soil  
alongside.

Pl. - unperceivable  
Surface rolling and level  
Soil and water

just grass scattering cedars

N.  $87^{\circ} 44'$  E. on a true  
line bet. Secs. 3 and  
34, 500 yds.

N.  $14^{\circ} 50'$  E

2000 Enter dense cedars.

4500 Set a malpais rock  
 $16 \times 9 \times 5$  ins. 11 ins. in the  
ground for "4 Sec.



St. Ry. Tr 15 N. R. 10 E.

Chains

Len. marked "4 on  
St. face, From which  
a cedar tree 10 ins. in  
diam. to N. 30° E. 45  
lks. dist marked "4 S. 37°

A cedar tree 7 ins. in  
diam. to S. 45° E. 52 lks.  
dist. marked "4 S. 37°

~~Set a~~

80.00

Set a Malpais rock  
12 x 10 x 8 ins. 8 ins. in  
the ground for

Len. to Secs. 2, 3, 34  
and 35 marked with  
4 notches on N. end 2  
notches on E. edge  
and raised a

G. and S. R. M.  
 Chain

mound stone alongside  
 Pit unfract cable  
 From which a pinon  
 was in, in diam. 10 in.  
 N. 88° E. 82 lbs. dist.  
 marked T. 19 N. R. 10 E. S.  
 35 B.T. A cedar tree 10 in.  
 in diam. 10 in. S 80° E. 80  
 lbs. dist. marked T. 18 N.  
 R. 10 E. S. 2 B.T.

Another trees within limits  
 Turpin rolling  
 Soil 2nd and 3rd rate  
 Good grass  
 Dense cedars. 60 lbs.  
 Scattered 20 lbs.

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St. By. N. 15 N. R. 10 E.

## Chains

N.  $89^{\circ}44'$  E. on a true  
line bet. Secs 2 and 35Enter Scattering cedars Va.  $14^{\circ}55'$  E.

10.00

Enter dense scrubby  
cedars.

40.00

Set a malpais rock  
 $12 \times 10 \times 6$  ins. 8 ins. in  
the ground for.

"4 Sec. 2. marked

"4 on N. face

From which a pinon  
tree 12 ins. in diam. ps.

N. 5-4 lbs. dit marked

"4 S. B. T. a pinon tree

12 ins. in diam. ps.

S. 46 lbs. dit

marked "4 S. B. T.

74.00

Droued from Mogollon  
mesa.



J. and S. R. M.  
 Cairns

8000 Set a m. alpine rock  
 20x10x6 ins. 15 ins. in  
 the ground for loc.  
 to Cairns 1, 2, 35 and 36  
 marked with 1 notch on  
 E. and 5 notches on N.  
 edge. From which a  
 cedar tree 18 ins. in diam.  
 fr. N. 45° E. 31 lbs. dit.  
 marked T. 19 N. R. 10 E.  
 S. 36 B.T. a cedar tree  
 16 ins. in diam. fr.  
 S. 20° E. 42 lbs. dit.  
 marked T. 15 N. R. 10 E. S.  
 1 B.T. a cedar tree 6 ins.  
 in diam. fr. S. 40° N.  
 10 lbs. dit. marked T. 15 N.  
 R. 10 E. S. 2 B.T.

St. By. T. 15 N. R. 10 E.

Chains

a cedar tree 14 ins. in  
diam. W. N. 60° N. 19  
lbs. dist. marked  
T. 14 N. R. 10 E. S. 35 B.T.  
Surface rolling 74 Chs.  
mountainous 6 Chs.  
Soil 2nd and 4th rate  
Some grass  
Dense scrubby cedars  
and pinus.

N. 89° 44' E. on a true  
line bet. Sec. 1 and 36  
Ta. 14° 50' E.

Descending E. slope of  
Mogallon River.

4000 ft a sandstone 12 x 12 x 6  
ins 8 ins. in the ground

G. and S. R. M.

Chamie

for "4 Sec. Cor. marked  
114 on N. face.

From which a cedar  
tree 26 ins. in diam.  
to S. 45° W. 14 lbs. dist.  
marked "4 S. B. S.

A cedar tree 40 ins. in  
diam. to N. 45° W. 16  
lbs. dist. marked "4 S. B. S.

5000 Gulch 5 lbs. wide to S. E.

8000 The cor. to Twp. 18 and 19 N.  
R. 10 and 11 E.

Surface mountainous  
Soil 4th rate

Dense scrubby cedars  
and firs.

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N. Bay St. 15 St. R. 10 E.  
Land 5.2 m.

Days

I carefully examined  
the adjustments of my  
Eden Transit to-day  
particularly the latitude  
and reversing apparatus  
and found them correct  
March 16<sup>th</sup> 1855

J. and J. R. M

Chains

From the Cors. to Spr.  
18 and 19 N. As 10 and 11 E.  
<sup>recently</sup> just established by me  
I run North lat.  
Secs. 31 and 36

74.14° 50' E

Through dense cedars

46.00

Set a Malpais rock 9x8x7 ins  
6 ins in the ground  
for "4 Sec. Cor. marked  
"4 on W face,

From which a spruce  
tree 6 ins. in diam. brs.  
N. 50° E. 4 1/2 lbs dit.  
marked "4 S. B. T.

A Cedar tree 10 ins. in  
diam. brs S. 50° E. 12 lbs,  
dit. marked "4 S. B. T.

E. Ry. Tr. 19 N. R. 10 E

Charnis

61.00 Cross Deep gulch 30 lbs. with to, N.  
 71.00 Cross " " 24 " " " N.E.  
 80.00

Set a malpais rock  
 16 x 10 x 5 ins. 11 ins. in  
 the ground for. loc. to  
 Subs. 25. 30. 31 and 32 marked  
 with 1 notch on S. and  
 5 notches on N. edge.  
 From which a *C. bidon*

tree 2 ins. in diam. 1 lb.  
 St. 10° E. 27 lbs. dist. mark-  
 ed. T. 19 N. R. 10 E. S. 30 B.T.  
 A cedar tree 10 ins. in  
 diam. tr. S. 35° E. 29  
 lbs. dist. marked  
 T. 19 N. R. 11 E. S. 31 B.T.  
 A piñon tree 6 ins. in  
 diam. tr. S. 10° N. 27 lbs.



J. S. R. M.

Chairs

dirt marked 7.14 N. R. 10 E.  
S. 36 B.T. a cedar tree  
14 ins. in diam. tr. N. 80 W.  
29 lbs. dirt. marked 779 N.  
R. 16 E. S. 25 B.T.

Surface E. slope of mesa  
Soil 4th rate  
Dune scrubby cedars

North Mt. Secs. 25 and 30  
72.14050' E.

Through dense cedar trees  
Set a malpais rock 16x12x5  
ins. 11 ins in the  
ground for 44 Sec. loc.  
marked 114 on N. face.  
From which a cedar  
tree 10 ins. in diam. tr.

4000

E. By. Tr. 19 N. R. 10 E.

Chains.

S.  $40^{\circ}$  E, 12 lbs. dist. marked  
 "4 S. B. T., a cedar tree  
 20 ins. in diam. br.

N.  $47^{\circ}$  W, 25 lbs. dist. marked  
 "4 S. B. T.

6000 Cross Mark 15 lbs. in. to. N. E.  
 thru our level country

7250 Cross Trail br. E. 1 W. enter  
 park br. E. 1 W.

8000 Set Malpais rock  $12 \times 10 \times 8$  ins.  
 8 ins. in the ground  
 for Cor. to Int.  
 19, 24, 25 and 30 marked  
 with 2 notches on S.  
 and 4 notches on N.  
 edges. and raised a  
 mound of stone alongside  
 Pit impracticable

J. and S. R. M.  
 Gams

From which a cedar  
 took 12 ins. in diam. W.  
 N. 60° E. 25 lbs. wet, marked  
 T. 19 N. R. 10 E. S. 19 B. T.

A cedar took 20 ins. in diam.  
 W. N. 45° W. 15-8 lbs. wet,  
 marked T. 19 N. R. 10 E. S. 24  
 B. T. No other notes within  
 limits.

Surface mountains  
 60 chs. level 20 chs.

Soil red. and with roots

Dense scrubby cedars.

72.5 chs <sup>Scattered by 7.50 chs.</sup>  
Some grass

North Pt. Dec. 19 and 24

N. 14° 30' E.

Entered domain fresh



C. Ry. 7/2. 19 11. A. 10 2.  
g. m. s. m.

Chairs

4000 Set a limestone 12x14x8 ins  
8 ins. in the ground  
for 114 Sec. Cen. marked  
114 on N. face. From  
which a cedar tree 6  
ins. in diam. to. N. 45° E.  
59 lbs. dist marked 114 S. N. T.  
A further tree 10 ins. in diam.  
to. S. 80° W. 29 lbs. dist mark-  
ed 114 S. N. T.

8000 Set a limestone 10x10x8 ins  
7 ins. in the ground  
for Cen. to Sec. 13. 18. 19  
and 24 marked with 3  
notches on N. and 3 notches  
on S. edge. From which  
a further tree 6 ins. in  
diam. to. N. 30° E. 37 lbs.

E. By T. 19 N. R. 10 E.

9 and S. 2 m.

Chain

dist. marked T. 19 N. R. 10 E.

S. 18 B.T. a point taken  
7 ins. in chain. to S. 40 E.

21 lbs. dist. marked T. 19 N.

R. 10 E. S. 19 B.T. a cedar tree  
8 ins. in chain. to S. 45 N.

44 lbs. dist. marked

T. 19 N. R. 10 E. S. 24 B.T.

a cedar tree 6 ins. in chain.

to S. 80 N. 30 lbs. dist-

marked T. 19 N. R. 10 E. S. 13 B.T.

Surface level rolling  
Soil 2nd rate

Some grass

Some cedar and

pinon timber

---

E. By. 72. 19 N. R. 70 E.  
g. and S. R. M.

Chains

North vet. Secs. 13 and 18

Var.  $14^{\circ}50' E$

39.50 Trail fr. N.E. and S.W.

4.000 Set a post 3 ft. long 3 in.  
sq. with marked steel  
24 ins. in the ground  
for 14 Sec. Cen. marked 14 S.  
on N. face. From which  
a pinion tree 14 ins. in  
diam. fr.  $N.50^{\circ}E$ . 30 lbs  
dist. marked 14 S. B. T.  
A. pinion tree 13 ins. in diam  
fr.  $S.45^{\circ}E$ . 33 lbs. dist.  
marked 14 S. B. T.

8.000 Set a limestone  $16 \times 12 \times 10$   
ins. 11 ins. in the ground  
fr. Cen. to Secs. 7, 12, 13 and  
18 marked with 4 notches  
on S. and 2 notches on



E. Ry. Tr. 19 N. R. 10 E.  
q. and S. R. 7m.

Pines

N. edge. From which a pine tree  
tree 10 ins. in diam. to.

N. 50° E. 19 lbs dist marked  
T. 19 N. R. 11 E. S. 7 O. T.

A pine tree 10 ins. in diam. to.  
S. 45° E. 26 lbs dist. marked  
T. 19 N. R. 11 E. S. 18 O. T.

A. Cedar 12 ins. in diam.  
to. S. 54° N. 55 lbs. dist.  
marked A. 19 N. R. 10 E. S. 13

O. T. a pine 9 ins. in diam.  
to. N. 84° N. 43. lbs dist.  
marked T. 19 N. R. 10 E.  
S. 12 O. T.

Surface level  
Soil sub rate

Some grass

Dense cedar and pine timber

C. Qy. H. 19 N. R. 10 E

Laws

North Mt. Sec. 7 and 12

T<sub>h</sub>. 140° E

40.00

Set a limestone 12 x 12 x 5 ins.  
8 ins. in the ground  
for "4" Sec. 7. W. marked  
4 on N. face. From  
which a fault 8 ins.  
in diam. fr. S. 10° E.

52 lbs. dist. marked "4" S.  
B.P. A fault 5 ins. in  
diam. fr. S. 72° N. 86  
lbs. dist. marked "4" S. 7.

71.00

Descend into cañon

75.00

Bottom 50 ft. cross mark  
10 lbs. with loc. N.E. ascend  
out of cañon 50 ft.

80.00

Set a limestone 16 x 12 x 6  
ins. 11 ins. in the ground

J. and S. R. M.  
 Harris

for loc. to Secs. 16, 7 and 12  
 marked with 5 notches on  
 S. and 1 notch on N. edges.  
 From which a cedar tree  
 8 ins. in diam. fr. N. 30° E,  
 49 lbs. dist. marked T. 19 N.  
 R. 11 E. S. 6 B. T. A fir tree  
 10 ins. in diam. fr. S 45° E,  
 62 lbs. dist. marked T. 19 N.  
 R. 11 E. S. 7 B. T. A cedar tree  
 6 ins. in diam. fr. S. 30° N. 20  
 lbs. dist. marked T. 19 N. R. 10 E.  
 S. 12 B. T. A cedar tree 5  
 ins. in diam. fr. N. 20° N. 12  
 lbs. dist. marked T. 19 N.  
 R. 10 E. S. 1 B. T.

Surface level and rough  
 Soil 2nd. rate  
 Dense cedar and fir timber



C. Ry. 7/2. 19 A. A. 10 E.

Trains

North set. Sec. 1 and 6

Over mesa

To 14° 50' E.

25.00

Track 12 lbs. wide to N.E.

40.00

Set a limestone 10x10x8 ins.  
7 ins. in the ground for

14 Sec. Cen. marked 14  
on N. face, and nail

From which a pin  
10 ins. in diam to S. 70° E.

19 lbs. dist. marked 14 S. B. T.

A. pin on tree 7 ins. in  
diam. to S. 76° N. 45 lbs.

dist. marked 14 S. B. T.

80.00

Set a limestone 12x12x5 ins.

7 ins. in the ground

for Cen. to S. 19 and 20

S. B. 10 and 11 E. marked  
with brackets on

J. and J. R. M.  
Chains

each edge.

From which a pine tree  
tree 10 ins. in diam. no.

N. 82° E. 40 lbs. dist. marked  
7. 20 N. R. 11 E. S. 31 B. T.

A pine tree 12 ins. in diam  
no. S. 26° E. 54 lbs. dist. marked  
7. 19 N. R. 11 E. S. 6 B. T.

A pine tree 7 ins. in diam.  
no. S. 85° N. 40 lbs. dist.

marked 7. 19 N. R. 15 E.  
S. 1 B. T. A pine tree 10  
ins. in diam. no. N. 20° N.

35 lbs. dist. marked 7. 20 N. R. 10 E.  
S. 31 B. T.

Surface level

Soil 2nd rate

Some grass.

Dense cedar and pine timber

C. By. 7.19 N. A. 10 E. J. and S. R. M.

Chains

I carefully examined  
the adjustments of my  
Solar Transit ~~to-day~~  
particularly the latitude  
and screwing apparatus  
and found them correct  
March 17<sup>th</sup> 1886



T. Co. T. 19 and 20 E. 9 and 10 E.

## Chains

From the cor. to Tps. 19 and 20  
 Co. 10 and 11 E. just established  
 by me. I run West on  
 a random line  $70.14050^{\circ}$  E.  
 setting tripwires 44 and 52  
 lbs. at each 40 and 80 chs.  
 and at  $475.10$  chs. arrive at  
 a point  $120$  lbs. S of the cor.  
 to Tps. 19 and 20 Co. 9 and 10 E.  
 which is a stone  $19 \times 8$  ins.  
 firmly set in the ground with  
 6 notches on each edge and a mound  
 of straw alongside. From which  
 a cedar 18 ins. in diam. to.  $N. 39^{\circ}$  E.  
 88 lbs. dist. properly marked  
 a pine 12 ins. in diam. to.  
 $S. 32^{\circ}$  E. 51 lbs. dist. properly marked  
 a pine 10 ins. in diam. to.  $N. 47^{\circ}$  W.  
 60 lbs. dist. properly marked

7. Sep. 7<sup>th</sup>. 1904. A. 10 E.  
 9. and 5. 2. M.

Trails

Thence I run S. 89° 01' E,  
 on a true line bet.  
 Secs. 6 and 31

Pa. 14° 55' E.

Descending through dense cedars  
 and Junipers.

38.10

Set a malpais rock  
 12 x 10 x 6 ins. 8 ins. in  
 the ground for "4" Sec.  
 Cor. marked "4" on N. face  
 of said. raised a mound  
 of stone alongside  
 this impracticable

66.00

Descend into canon to N.

74.00

Bottom 75 ft. to N.

78.10

Set a limestone 12 x 12 x 5 ins.  
 8 ins. in the ground  
 for Sec. to Secs. 5, 6, 31 and 32

St. By. 7p. 14 St. A. 10 E.  
 J. and S. 27m.

Chavis

marked with 1 notch on N.  
 and 5 notches on E. edge.  
 and raised a mound  
 of stone alongside.  
 Pit impracticable

Surface mountainous  
 Soil 4th rate

Dune scrubby wood. and prairie.

S.  $89^{\circ} 51' E.$  on a true line  
 bet. Secs. 5 and 22

7a. 140 00' E.

5.00 Leave canon 70 ft.

40.00 Set a limestone  $12 \times 10 \times 8$  ins.

5 ins. in the ground for

"4 Sec less marked

"4 on N. face and raised  
 a mound of stone



N. Ry. Tr. 19 N. R. 10 E.  
Chains

along side.

Pit impracticable

44.00

Enter dead and fallen timber

72.00

Leave sand.

80.00

Set a lunette 14x10x6

ins. 9 ins. in the ground  
for cen. to Sec. 4. 5. 32.

and 33 marked with 2  
notches on N. and 4  
notches on E. edges and  
raised a mound  
of stone alongside.

Pit impracticable

Surface rotting

Soil 2nd and 3rd rate

Dense growth of cedar  
and juniper

---

G. and S. R. W.

Chains

Set  $89^{\circ} 51' E$  on a true  
line bet. Secs. 4 and 33

To  $14^{\circ} 50' E$ .

4000 Set a limestone  $2 \times 10 \times 8$  ins.  
8 ins. in the ground  
for "4 Sec. Cor. marked  
& on N. face, a  
27 in.  $\epsilon$  which are pointed  
have 10 ins. in diam. bet.  
S. 20 $^{\circ}$  E. 31 lbs. dit. marked  
"4 S. S. T. a. piston wire  
14 ins. in diam. bet.  
S. 43 $^{\circ}$  N. 20 lbs. dit. marked  
"4 S. S. T.

8000 Set a limestone  $16 \times 12 \times 8$  ins.  
11 ins. in the ground  
for Cor. to Secs. 34, 33  
and 34 marked with 3 notches

A. By T. 19 N. R. 10 E.

Chairs

on N. and 3 notches  
on E. edge. and  
varied a mound  
of stone alongside  
Pit impracticable  
From which a piece  
tree 12 ins. in diam.  
to S. 30° N. 28 lbs. dist.  
marked T. 19 N. R. 10 E.  
S. 4 B.T.

No other trees within limits  
Surface rolling  
Soil sub. with  
Dense Cedar Brush and  
Scattering pines



Paul S. R. M.  
Chains

S.  $89^{\circ}51'E$  on a true  
line bet. Secs. 3 and 34  
Ta.  $14^{\circ}50'E$ .

4000 Set a post 3 ft. long 3 in.  
sq. with marked steel  
24 ins. in the ground  
for 14 Sec. bet. marked  
14 S. on N. face.

From which a section tree  
7 ins. in diam. bet.  
N.  $48^{\circ}E$ . 42 lbs. dist. marked  
14 S. B. T. a section  
tree 10 ins. in diam. bet.  
S.  $31^{\circ}E$ . 76 lbs. dist. marked  
14 S. B. T.

8000 Set a line 14 x 10 x 6 ins.  
9 ins. in the ground for  
bet. Secs. 2, 3, 34 and 35

A. By. Tp. 19 N. R. 10 E.

Chains

marked with 4 notches  
on N. and 2 notches  
on E. edge, and  
raised a mound  
of stone, alongside,  
Pile impracticable  
Surface rising level  
Soil red. soil

Some Cedar and pine  
Brush

---

S. 79° 51' E. on a true  
line bet. Sec. 2 and 25  
Va. 14° 50' E.

H 0 0 0 Set a limestone 14x10x9  
ins. 9 ins. in the ground  
for 1/4 Sec. low marked  
1/4 on N. face.

J. and S. R. M.  
Chavis

From which a spruce  
tree 6 ins. in diam.  
br.  $\text{C. } 37^{\circ} \text{E.}$  marked "4"  
S. B. T. a spruce tree  
5 ins. in diam. br.  
 $\text{S. } 28^{\circ} \text{N.}$  60 lbs. dist.  
marked "4" S. B. T.

- 68.60 Descend into cañon  
75.70 Trail to N.E. and S.W.  
76.00 Bottom of cañon 100 ft. across  
with 10 lbs. wide. br. N.E.  
ascend  
80.00 Cut a limestone  $4 \times 10 \times 6$   
ins. 9 ins. into the ground  
for br. to Secs. 1, 2, 35  
and 36 marked with  
5 notches on W. and 1  
notch on E. edge.



N. By. Tr. 19 N. R. 10 E.

Chains

From which a pinon tree 8 ins. in diam. to. N. 20° E. 30 lbs. dist. marked T. 20 N. R. 10 E.

S. 36 B.T. A pinon tree 6 ins. in diam. to. S. 20° E. 23 lbs. dist.

marked T. 19 N. R. 10 E.

S. 1 B.T. A pinon tree 6 ins. in diam. to.

S. 70 N. 22 lbs. dist. marked T. 19 N. R. 10 E. S. 2 B.T.

A pinon tree 7 ins. in diam. to. N. 80° N. 10 lbs. dist. marked T. 20 N. R. 10 E. S. 35 B.T.

Surface level and rough soil 2nd rate

Some cedar brush & pinon trees

J. and S. R. M.  
Chains

S.  $89^{\circ} 51' C.$  on a true  
line bet. Secs. 7 and 8  
Ta.  $14^{\circ} 50' E.$

<sup>top of bank of canon</sup>  
above canon bet. N. E.

200  
4000  
Get a limestone  $10 \times 10 \times 8$   
ins - 7 ins. in the ground  
for  $14$  Sec. bet. marked  
 $14$  on N. face. From which  
a cedar tree  $7$  ins. in  
diam. bet. N.  $2^{\circ} E.$   $16$  lbs.  
dist. marked  $14$  S. B. T.

A cedar tree  $7$  ins. in diam.  
bet. S.  $45^{\circ} N.$   $12$  lbs. dist.  
marked  $14$  S. B. T.

550  
To the cor. to  $7$  pr. 19 and  
 $20$  N. R.  $10$  and  $11$  E.

Surface level soil 2nd rate  
Dune cedar and  
pinon trees and brush

53  
A. D. 7<sup>h</sup>. 19<sup>h</sup>. 11. A. 10 E.

9. and S. R. M.

Chains

I carefully examined  
the adjustments of  
my solar transit today  
particularly the latitude  
and reversing apparatus  
and found them correct  
March 18<sup>th</sup> 1855



E. Ry. of Tps. 20 N. R. 10 E.  
 and S. R. M.  
 Chas.

From the cor. to Tpo.  
 19 and 20 N. Rs 10 and 11 E.  
 recently established by me  
 I run North set.  
 Secs. 01 and 06

Ta.  $74^{\circ}50'E$ .

Through dense scrubby cedars  
 and pines

4000

Set a limestone 10x10x7  
 in. 7 in in the ground  
 for 114 Sec. Cor. marked  
 114 m N. jaw,

From which a fence  
 sets 7 in in drain bro.  
 S.  $27^{\circ}E$ . 18 lbs. dist marked  
 114 S. O. T. a fence tree  
 to. in. in drain bro.  
 N.  $19^{\circ}N$ . 14 lbs. dist.

E. Ry. Tr. 20 N. R. 10 E.

Pines

80.00

marked "4 S. B. T.

Set a limestone  $12 \times 10 \times 6$   
 ins. 8 ins. in the ground  
 for Cor. to Secs. 25-30, 81  
 and 86 marked with 1  
 notch on S. and 5 notches  
 on N. edge.

From which a cedar  
 tree 12 ins. in diam.

Trs. N. 60° E. 40 lbs. dist.

marked T. 20 N. R. 11 E.

S. 30 B. T. A cedar tree  
 8 ins. in diam. Trs.

S. 30° E. 68 lbs. dist.

marked T. 20 N. R. 11 E.

S. 31 B. T. A cedar tree  
 10 ins. in diam. Trs.

S. 42° N. 67 lbs. dist.

J and S. R. M.

Chairs

marked T. 20 N. R. 10 E.  
 S. 36 B.T. a pinon tree  
 14 ins. in diam. to. N. 45° W.  
 100 lbs. dirt marked  
 T. 20 N. R. 10 E. S. 25 B.T.  
 Surface level  
 Soil 3rd rate  
 Dense cedars and pinons

---

North Mt. Secs. 25 and 30  
 Ta. 14° 30' E.

Through dense cedar brush

Descend into cañon

Bottom of cañon 45 ft. across  
 and 10 lbs. wide to. N. E. ascend

Trail to. N. E. and S. W.

Leave cañon. Top of tank 50 ft.  
 Set a limestone 16 x 28 x 4 ins.

21.00

22.00

22.50

23.80

20.00



E. By. 7p. 20 St. R. 10 E.

Chains

ins. 11 ins. in the  
ground for 14  
Sec. len. marked 14 on  
N. face.

From which a ~~small~~ tree  
14 ins. in diam. brs.

S.  $70^{\circ}$  E. 53 lbs. dist. marked  
14 S. B. T. A pinion 8  
ins. in diam. brs.

N.  $45^{\circ}$  W. 60 lbs. dist.  
marked 14 S. B. T.

\$0.00

Set a limestone  $12 \times 10 \times 8$   
ins. 4 ins. in the ground  
for len. to Sec. 9.34.25  
and 30 marked with  
notches on S. and 4 notches  
on N. edges.

From which a cedar

J. and S. R. M.

Chairs

6 ins. in diam. hrs. N60°E.  
 81 lbs. dist. marked N. 20 N.  
 R. 10 E. S. 19 B.T. a cedar  
 tree 8 ins. in diam. hrs.  
 S. 18° E. 112 lbs. dist. marked  
 N. 20 N. R. 10 E. S. 30 B.T.  
 a cedar tree 10 ins. in  
 diam. hrs. S. 60° N. 119 lbs.  
 dist. marked N. 20 N. R. 10 E.  
 S. 25 B.T. a pine tree  
 7 ins. in diam. hrs. N. 26° N.  
 29 lbs. dist. marked N. 20 N.  
 R. 10 E. S. 24 B.T.

Surface nearly level  
 Soil 3rd. rate grass forest  
 Dense cedar brush  
 Scattered pine trees

E. By. Sp. 20 N. R. 10 E.

Quins

North pt. Sec. 19 and 24  
T. 14<sup>0</sup> 30<sup>0</sup> E.

4000 Through dense cedar undergrowth  
Set a limestone 16x10x5 in.  
11 ins. in the ground  
for 44 Sec. 19. 10. 11 marked  
44 on N. face. and  
raised a mound of  
stone alongside.

77.00 Pits impracticable  
Leave dense brush  
enter level open country

8000 Set a limestone 14x10x7  
ins. 9 ins. in the ground  
for Cor. to Secs. 13, 15, 11  
and 24 marked with  
3 notches on E. and 3

notches on N. edge. and



J. and S. R. W.

Chairs

raised a mound  
 of stone alongside.  
 Pit impracticable  
 Surface level  
 Soil 2nd rate  
 Dunes brush 77 Chs.

---

North pt. Sec. 19<sup>and</sup> 18  
 Ta. 14° 30' E.

4000 Set a limestone 10x10x8 ins.  
 7 ins. in the ground  
 for 44 Sec. lev. marked  
 44 on N. face and  
 raised a mound  
 of stone alongside  
 Pit impracticable

5000 Set a limestone 12x10x6 ins.  
 5 ins. in the ground

E. By. Sp. 20. N. R. 10 E.

## Chains

In Cor to Sec. 7, 12, 13  
 and is marked with 4  
 notches on S. and 2  
 notches on N. edge.  
 and raised a mound  
 of stone alongside  
 this impracticable  
 surface level  
 Soil 2nd. note  
good year

North of Sec. 7 and 12  
 Ta.  $14^{\circ} 30' E.$

Our level country  
 4000 ft a limestone  
 10x10x7 in. 7 in. in  
 the ground for 14  
 Sec Cor. marked

G and S. R. M.  
 Chains

8000  
 114 on N. face and  
 raised a mound  
 of stone along side  
 Pit impracticable  
 Set a limestone 16x9x7  
 in 11 in in the ground  
 for loc. to Sec. 16, 7 and  
 12 marked with 5 notches  
 on S. and 1 notch on N.  
 edges. and raised a mound  
 of stone along side  
 Pit impracticable  
 Surface level  
 Soil sub. rot  
 Good grass

---



E. Ry. Sp. 20 N. R. 10 E

Paris

North rd. Sec. 1 and 6  
 Va. 14° 30' E.

4000 Set a limestone 12X10X6  
 ins 8 ins. in the ground  
 for "4 Sec. loc. marked  
 "4 on N. face. Dig pits  
 18X12 ins. N and  
 S. of stone 5 1/2 ft. dist and  
 raised a mound of earth  
 1 1/2 ft high 8 1/2 ft. diam  
 along side.

9960 Located 5th Stand. Cor.  
 N. 33.40 lbs. N. of Stand.  
 Cor. to Twp. 21 N. R. 10  
 and 11 E at point of  
 intersection. Set a limestone  
 10X10X8 ins. 7 ins. in the  
 ground for Classing

J and B. R. M.

Chairs

Loc. to Tps 20 N. R. 5. 18 and 11  
 E. marked <sup>E. C. or S.</sup> with benches on  
 S. E. and W. edge. and  
 raised a mound of stone  
 alongside. Pits impracticable  
 surface level

Soil 2nd. rate good grass  
 Scattering dead brush along  
 latter part of the line

I carefully examined  
 the adjustments of my  
 Solar Transit to-day particularly  
 the latitude and reversing  
 apparatus and found them  
 correct.

March 19<sup>th</sup> 1885

C. By. 7<sup>th</sup>. 19<sup>th</sup> N. R. 9 E.

Chairs

From the Cor. to Apr. 18  
and 19 N. R. 9 and 10 E.  
recently described by me  
I ran north on a  
random line Va. 14° 50' E.  
setting temporary 14 and  
Sug. Cor. at each 40  
and 80 Chs. and at 480.50  
Chairs arrive at a  
point 24 Chs. E of the  
Cor. to Apr. 19 and 20 N.  
R. 9 and 10 E. recently describ-  
ed by me. Thence I ran  
S 00° 2' E. on a true  
line set. Sug. 1 and 6  
Va. 14° 50' E.  
Along E. slope of mountain  
mt through Gum cedar brush



J. and S. R. M.

Chains

4050

Set a malpais rock 10x8x7 ins. 7 ins. in the ground for the Sec. Sec. marked 4 on N. face.

From which a cedar tree 20 ins. in diam. br. N. 10° E. 13 lbs. dist. marked 4 B. O. T.

A cedar tree 16 ins. in diam. br. S. 30° W. 33 lbs. dist. marked 4 B. O. T.

8150<sup>dx</sup>

Malpais rock 10x10x6 ins. 7 ins. in the ground for. Sec. to Sec. 1, 6, 7 and 8 marked with 1 notch on N. and

5 notches on S. edge and <sup>and raised a mound of rubble along side</sup> ~~is unimportant~~ From which a <sup>pine</sup> tree

7 ins. in diam. br. N. 45° E. 33 lbs. dist. marked T. 19 N.

E. Ry. Tr. 1904. R. 9 E

Chains

R. 10 E. S. 6 B.T.

A <sup>small</sup> ~~union~~ <sup>tree</sup> in draw.

hs. S. 80° W. 39 lbs. dist.

marked T. 1404. R. 9 E

S. 12 B.T. A <sup>small</sup> ~~union~~ <sup>tree</sup>

in draw. hs.

Ch. 70° W. 32 lbs. dist. marked

T. 1404. R. 9 E. S. 1 B.T.

No other trees within limits

Surface rough

Soil. 4th rate

Draw under track

Scattering pines

S. 00° 2' E. on a true  
line bet. Secs. 7 and 12

Ta. 14° 50' E.

34.00 Enter forest cedar thicket

J. and S. R. M.

Chairs

- 40.00 Set a post 3ft. long 2 ins  
sq. with marked stone 42 ins  
in the ground for 14 Sec.  
Cor. marked 145 on N. face  
and raised a mound of stone  
around post.
- 44.00 Leave forest cedar
- 50.00 Set a *malpais*<sup>mark</sup> 12 x 10 x 7 ins 5 ins,  
in the ground for Cor. to  
Secs. 7, 12, 13 and 18  
marked with 4 notches  
on S. and 2 notches on  
N. edge,  
From which a cedar  
tree 12 ins. in diam. to  
N. 60° E. 28 lbs. dist.  
marked T. 19 N. R. 10 E.  
S. 7 Q. T. a *poisson*<sup>tree</sup> 10 ins.



E. Ry. Tr. 19 N. R. 9 E.

Trains

in drain, tr. S. 20° E.

31 lbs. dit. marked

T. 19 N. R. 10 E. S. 18

B. T. a cedar tree 6 ins.  
in drain. tr. S. 36° N.

40 lbs. dit. marked T. 19 N.

R. 9 E. S. 10 B. T.

a cedar tree 8 ins. in drain

tr. N. 30° N. 21 lbs. dit. marked

T. 19 N. R. 9 E. S. 12 B. T.

Surface slopes E

Soil 4th rate

Down cedar and pine timber  
and brush

---

S. 60° 02' E on a true line  
bet. Sec. 13 and 15

Tr. 14° 50' E.

according

J. and S. R. M.

Chassis

- 4000 Set a malpais rock 12x10x8 ins. 8 ins. in the ground for Sec. 14. Sec. 14 marked "4" on N. face and raised a mound of stone alongside Pib simp rock at the  
From which a pile 20 ins in diam. br. N. 40° W. 178 lks. dist. marked "4 S. R. M."
- As the trees within limits
- 5000 Top of Rim rock about 500 ft above the level
- 7800 Road br. E. and W.
- 8000 Set a malpais rock 14x10x10 ins. 9 ins. in the ground for Sec. 13, 18, 19 and 24 marked with 3 notches

E. By. Twp. 19 N. R. 9 E.

Chairs

on N. and 3 notches  
on E. edge and  
raised a mound of  
stone alongside.

To underneath  
From which a pine tree  
12 ins. in diam. W.

S. 60° E. 108 lks. dist. marked  
T. 19 N. R. 10 E. S. 19 B. T.

A few trees 14 ins. in  
diam. W. S. 45° N. 160

lks. dist. marked T. 19 N.  
R. 9 E. S. 24 B. T.

No other trees within limits

Surface rough

Soil 4th grade

Dense cedar brush

Scattered pines



J. and S. R. M.

Chains

J. 00° 2' E. on a true line  
bet. Dec. 19 and 24

Va. 14° 50' 8.

13.00  
44.00

Creek 10 lbs. wide bet. N.E.  
Set a Malpais rock 12x12x10 ins  
5 ins. in the ground for  
"4 Su. bet. marked "4 on N.

fall and raised a  
ground of stone alongside  
Dito impracticable

From which a <sup>tree</sup> pine 20  
ins in diam. bet. S. 30° E.  
58 lbs. dit marked "45. B. 7.

1, the two within limits  
80.00 <sup>the</sup> Malpais rock. 15x10x6 ins  
10 ins. in the ground for  
bet. to Dec. 19, 24, 25  
and 30 marked with - 4

E. O. P. Th. 19 N. A. 94.

Chassis

notches on N and 2  
 notches on S. edge.  
 and raised a mound  
 of stone alongside.  
 Pib, impracticable  
 Impair rolling  
 Soil Grd. rate  
 good grass  
Scattered few timber

S. 00° 02' E. on a true line  
 bet Secs. 25 and 30  
 W 14° 50' E.

4000 Sta Mallpas rock. 13x9x6 ins  
 8 ins in the ground  
 for 14 Sec. Cor. marked  
 14 on N. face and  
 raised a mound of stone

J. and S. R. M.

Chavis

alongside.

Pike impracticable

46.25 Edge of shallow lake W. E. & W.

64.00 South bank of lake W. E. and NW

8.000 Set a masonry rock 12x10x6

ins. & ins. in the ground

for 11 piers to be marked  
Piers 3, 4, 5 & 6 marked

with 1 notch on S. and 5

notches on N. edge,

and raised a mound

of stone alongside.

Pike impracticable

Surface rolling

1st 3rd rate

2nd grade

No timber

---



E. Ry. Tr. 19 N. R. 9 E.  
g. and S. A.M.

Chains

S.  $00^{\circ}02'$  E. on a true line  
bet. Secs. 31 and 36

N.  $40^{\circ}50'$  E.

44.00 Set a small piece rock  
 $10 \times 10 \times 7$  ins. firm. in the  
ground for "4" Sec. bet.  
marked "4" on N. face  
and raised a mound  
of stone alongside.  
Pits impracticable

80.00 The wor. to Secs. 18 and 19 N.  
R. 9 and 10 E.

Surface leveling  
Soil 3rd. rate

Good grass

I carefully examined the adjustments  
of my Solar Transit to day particularly  
the latitude and reversing apparatus  
and found them correct

1885

St. Aug. 17<sup>th</sup> 1880.

BOOK 1285

J. and S. R. M.

Chains

From the Stand and Cor. to  
 the 17 N. R. 7 and 8 E. (which is a  
 first 4 ins. sq. properly marked  
 and set in a mound of  
 stone. From which an oak 13  
 ins. in diam. No. N. 20° W. 80  
 lbs. dist. properly marked  
 A pine tree 13 ins. in diam.  
 No. N. 54° E. 327 lbs. dist  
 properly marked.) I run  
 North pt. Sec. 31 and 36

Th. 14° 30' E.

Ascend over broken country  
 through dead oak undergrowth

460

Set a wallis rock 18x12x6  
 ins. 12 ins. in the ground  
 for "4 Sec. Cor. marked  
 "4 on N. face, and

17  
H. B. Jr. 17 N. R. 8 E.

Chains

raised a mound of  
stone alongside,

*Piki imperforata*

68.00

Top of mound 175 ft. fr.  
S.E. and N. enter heavy pine  
trunks have brush

80.00

Set a walrus <sup>7<sup>th</sup></sup> 16 x 10 x 8 ins.  
11 ins. in the ground  
for low. to Dec. 25. 30.  
31 and 36 marked with  
1 notch on S. and 5 notches  
on N. edge. and  
Found a whole oak  
pine tree 24 ins. in  
diam. fr. N. 5° E. 98 lbs.  
dist. marked 7. 17 N. R. 8 E.  
S. 30. 27. A pine tree  
21 ins. in diam. fr.



J. and S. R. M.

Charris

S. 46° E. 41 lbs. diet. marked  
7.17 N. R. 8 E. S. 31 B.T.

A pine tree 20 ins. in diam.  
No. S. 45° N. 33 lbs. diet. marked  
7.17 N. R. 7 E. S. 36 B.T.

A pine tree 18 ins. in diam.  
No. N. 35° N. 82 lbs. diet,  
marked 7.17 N. R. 7 E. S. 25 B.T.

Surface mountainous and broken  
Soil 2nd rate good grass  
Dense oak undergrowth 68 lbs  
Heavy pine timber 12 lbs.

North lat. Dec. 25 and 30  
No. 14° 30' E.

4000 Through heavy pine timber  
Set a malpais with  
124 X 14 X 6 ins. 9 ins. in

19 N. By. 7/17 N. R.F.E.

Chains

the ground for  
 "4 Sec. Cor. marked  
 "4 on N. face and  
 From which a piece  
 14 ins. in diam. for  
 N.  $37^{\circ}$  E. 32 lbs. dist.  
 marked "4 A. B. T.

A piece 10 ins. in  
 diam. for N.  $45^{\circ}$  W. 30 lbs.  
 dist marked "4 B. B. T.

69.00 A gulf 8 lbs. wide cor. N.

81.00

Set a masonry rock  $10 \times 10 \times 9$  ins.  
 7 ins. in the ground for  
 Cor. to Secs. 19, 24, 25, and 30  
 marked with 2 notches on  
 S. and 4 notches on N.  
 edges. Found which a  
 pine tree 24 ins. in

J. and S. A. M.

Chains

chain. to. N.  $20^{\circ}$  E. 16 lbs.  
 dist. marked T. 17 N. R. 8 E.  
 S. 19 B. T. A pine tree  
 6 ins. in diam. to. S.  $70^{\circ}$  30' E.  
 86 lbs. dist. marked T. 17 N.  
 R. 8 E. S. 90 B. T.

A pine tree 20 ins. in diam.  
 to. S.  $40^{\circ}$  N. 114 lbs. dist.  
 marked T. 17 N. R. 7 E. S. 25  
 B. T. A pine tree 10 ins. in  
 diam. to. N.  $18^{\circ}$  N. 25 lbs.  
 dist. marked T. 17 N. R. 7 E.  
 S. 24 B. T.

Empire rolling mill  
 Soil and rate

Good grain  
Heavy pine timber



N. By. T<sup>h</sup>. 17 N. R. 8 E.

Charris

North pt. Secs. 19<sup>and</sup> 24  
T<sup>h</sup>. 14° 30' E.

4000

Through heavy pine timber  
Got a malpais rock  
12 x 10 x 9 ins. 8 ins. in the  
ground for 14 Sec. loc.  
marked 14 on N. face  
From which a pine tree  
8 ins. in diam. frs.

S. 3° E. 2 1/2 lbs. dirt  
marked 14 S. B.T.

Any<sup>th</sup> rock tree 6 ins. in  
diam. frs. N. 87° W. 4 lbs.  
dirt. marked 14 S. B.T.

8000

Got a malpais rock  
16 x 12 x 10 ins. 11 ins. in  
the ground for loc.  
to Secs. 13, 18, 19 and 24

N. By. T. 17 N. R. 8 E.

Chains

marked with 3 notches on  
 S. and 3 notches on N.  
 edge. From which a  
 pine tree 30 ins. in diam.  
 by N. 30° E. 23 lks. dist.  
 marked T. 17 N. R. 8 E. S.  
 18 B.T. A pine tree 8 ins  
 in diam. by S. 30° E. 70  
 lks. dist. marked  
 T. 17 N. R. 8 E. S. 19 B.T.  
 A pine tree 26 ins. in  
 diam. by S. 16° N. 89 lks.  
 dist. marked T. 17 N. R. 7 E.  
 S. 24 B.T. A pine tree 22  
 ins. in diam. by N. 56° N.  
 103 lks. dist. marked  
 T. 17 N. R. 7 E. S. 13 B.T.

Surface rolling

N. By. N. 71. R. 5 E.

Chains

Soil 2nd rate  
Heavy fine timber

North pt. Sec. 13 and 18  
Ta. 14030'E

4000 East branch of Beaver  
creek 15 lbs. wide loc.  
S. W. swift running water

4000 ~~to~~ Malpais 12 x 10 x 6 pins. Fine  
in the ground for 14 Sec.  
Loc. marked 14 on N.

face: From which a good  
tree 20 ins. in diam. trs.  
b. 4500 E. 29 lbs. dirt.  
marked 14 S. B.T.

A fine tree 14 ins. in  
diam. trs. N. 80° W. 44  
lbs. dirt. marked



J and S. A. M.  
 Chavis

114 S. B. T.

76.00

Enter Park Trs. E. and N.

80.00

Set a malpais 14x10x5 ins.  
 9 ins. in the ground for.  
 Cor. to Secs. 7, 12, 13 and 18  
 marked with 4 notches on  
 S. and 2 notches on N.  
 edge and raise a  
 mound of soil alongside  
 pits impracticable  
 Surface near  
 Soil 2nd set  
 Good grass

Heavy pine timber 76 Chs.  
~~No timber 4 Chs.~~

North set. Secs. 7 and 12

Va. 140 S. E.

420

Enter scattering pine timber

N. Ry. Tr. 17 N. R. & C.  
9.00 a.m.

## Chains

16.00

Julch 20 ft. deep to N.  
50 lbs. wide

40.00

Set a malpais rock  
14x10x6 ins. 9 ins. in  
the ground for 14 sec.  
cut. marked 14 on  
N. face and raised a  
row of stones alongside  
Pit impracticable  
From which a jumper  
30 ins. in draft hrs.  
N. 40° E. 140 lbs. dist.  
marked 14 S. B.T.

62.00

No other trees within limits  
Creek 30 lbs. wide to S.N.

70.00

Enter grassy park hrs. E. & N.

80.00

Set a malpais rock  
16x10x8 ins. 11 ins. in  
the ground for 10 sec.

N. By. Tr. 17 N. R. & E.  
9. and 5. a.m.

Chains

to Secs. 1, 6, 7 and 12 marked  
with 5 notches on S.  
and 1 notch on N.  
edge. and raised  
a mound of stones  
alongside.

Pit. Impracticable  
Surface rolling and broken  
Soil rocky and rate  
good grass  
Scattered pine timber

North Pt. Sec. 1 and 6  
Va. 14° 30' E.

14.00 Leave park to N.E. and S.W.  
Enter heavy pine timber

4.00 Set a malpais rock  
16 x 12 x 6 ins. 11 ins. in



N. By. Tp. 17 N. R. 8 E.

Chains

the ground for  
14 sq. lev. marked  
14 on N. face.

From which a pine tree  
20 ins. in diam. fr.  
N.  $40^{\circ}$  E. 127 lbs. dist.  
marked 14 S. B.T.

A. pine tree 22 ins. in  
diam. fr. N.  $24^{\circ}$  W. 57  
lbs. dist. marked  
14 S. B.T.

68.00 Spring fr. E. of line 50 lbs.  
8.000 Set a Malpais rock  $16 \times 10 \times 10$  ins.  
11 ins. in the ground  
fr. lev. to Tps. 17 and 18  
N. W. 7 and 8 E. marked  
with 6 notches on each  
edge. From

J. and S. R. M.  
Main

which a pine tree 23 ins. in  
diam. br. N. 24° E. 96 lbs  
dist. marked T. 18 N. N. 8 E.  
S. 31 B.T. a pine tree 18 ins. in  
diam. br. S. 48° E. 82 lbs.  
dist. marked T. 17 N. N. 8 E.  
S. 6 B.T. an oak 8 ins. in  
diam. br. S. 57° W. 183 lbs.  
dist. marked T. 17 N. N. 7 E.  
S. 1 B.T. a pine tree 24  
ins. in diam. br. N. 32° W.  
231 lbs. dist. marked  
T. 18 N. N. 7 E. S. 36 B.T.

Surface rolling  
Soil red rot

Good grass  
Heavy pine oak and  
juniper timber

N. By. Feb. 17 A. D. 8 E.  
J. and S. R. M.

I carefully examined the  
adjustments of my Solar  
Transit to-day particularly  
the latitude and reversing  
apparatus and found  
them correct.

March 2<sup>o</sup> — 1885



N. By 7<sup>th</sup> 17 of A. 9 SE  
9 and 8 A.M.

Chains

From the Cen. to 7<sup>th</sup>  
17 and 18 N. Rs. 7 and 8  
E. just established by  
me. I run East on a  
random line  $\text{Feb. } 40^{\circ} 15' \text{ E.}$   
setting temporary 14 and 20  
Cen. at each 40 and 80 chs.  
and at 479.50 Chains arrive at  
a point 120 lbs. S. of the  
Cen. to 7<sup>th</sup> 17 and 18 N. Rs.  
8 and 9 E. which is a  
post <sup>4 in</sup> <sup>2 in</sup> properly marked firmly  
set in a mound of stone  
from which a pine tree 18 ins.  
in diam.  $\text{No. N. } 42^{\circ} \text{ E. } 116$   
chs. dist properly marked  
a pine tree 28 ins. in  
diam  $\text{No. S. } 43^{\circ} \text{ E. } 149$  lbs  
dist

N. By. Tp. 17 N. R. 8 E.  
9 and 5. P.M.

Chains

properly marked, a pine tree 21 ins  
in diam. br. S. 27° N. 46 lbs.  
dict. <sup>properly</sup> marked, a pine tree  
13 ins. in diam. br. N. 100° N.  
77 lbs. dict. properly marked  
Then I run S. 89° 51' N.  
on a true line bet.  
Twp. 7 and 36

Ta. 14015 - E.

Descend from hill

10.00 Foot of hill br. N. and S. 50 ft.  
Enter valley to S. E.

34.00 Leave same br. S. E.

40.00 Set a mark with 16x10x10 ins.  
11 ins in the ground  
for 14 Sec. best marked  
114 on N. face.

From which a pine

A. By. 7/17 N. R. S. E.  
 J. and S. R. M.

tree 18 ins. in diam. to. N. 30° E.  
 83 lbs. dist. marked "4 S. B. T.

a pine tree 16 ins. in diam.  
 to. S. 30° E. 19 lbs. dist. marked  
 "4 S. B. T.

80.00 Set a walrus rock 10x10x9 ins  
 in the ground for  
 cen. to Sec. V. 2. 35 and 36  
 marked with 1 notch on  
 E. and 5 notches on N.  
 edge. From which a  
 pine tree 26 ins. in diam.  
 to. N. 29° E. 108 lbs. dist.  
 marked T. 18 N. R. S. E.  
 S. 36 B. T. a pine tree  
 22 ins. in diam. to. S. 50° E.  
 12 lbs. dist. marked  
 T. 17 N. R. S. E. S. 1 B. T.



A. By T. 17 N. R. 8 E.

Chains

A. pine tree 23 ins. in  
diam. br. S. 46° W. 93 lbs.  
dist. marked T. 17 N.  
R. 8 E. S. 2 B.T.

A. pine tree 14 ins. in  
diam. br. N. 87° W. 39 lbs.  
dist. marked T. 18 N.  
R. 8 E. S. 35 B.T.

Surface hilly  
Soil 1st and 2nd sets  
Grass good  
Heavy pine timber  
There is a house in Sec. 1

---

S. 89° 51' W. on a true line  
bet. Secs. 2 and 35  
Va. 14° 15' E.

8.00

Enter valley Obs. N.W. 8 E.

J. and E. R. M.

Chavis

- 14.00 Leave valley for N.W. S.V.E.
- 7.0.00 Set a malpais rock  
 14x10x8 ins. 9 ins. in the  
 ground for 114 lbs. less.  
 marked 114 on N. face.  
 From which a piece  
 26 ins. in diam. to  
 S. 60° E. 54 lbs. diet.  
 marked 114 S. @ T. a piece  
 tree 16 ins. in diam. to  
 S. 71° N. 66 lbs. diet. Marked  
 114 S. @ T.
- 8.0.00 Set a malpais rock  
 16x10x8 ins. 11 ins. in  
 the ground for less.  
 to S. 23. 34, and was  
 marked with 2 notches  
 on E. and 4 notches

N. By. Tp. 17 N. R. 8 E.

Chains

on N. edge.  
 From which a pine tree  
 8 ins. in diam. brs.  
 N. 30° E. 14 lbs. dist.  
 marked T. 1 N. R. 8 E.  
 S. 35° W. a pine tree  
 6 ins. in diam. brs. S. 22° E.  
 38 lbs. dist. marked T. 17 N.

R. 8 E. S. 2 W.

A. pine tree 10 ins. in  
 diam. brs. S. 6° W. 21 lbs.  
 dist. marked T. 17 N.

R. 8 E. S. 3 W.

A. pine tree 14 ins. in  
 diam. brs. N. 3° W. 8 lbs.  
 dist. marked T. 18 N.

R. 8 E. S. 34 W.

Surface lumpy and rolling



J. and S. R. M.  
Quinn

Soil 1st and 2nd. rate.

Good grass

Pine timber heavy

S. 89° 5' N. on a tree  
line bet. Secs. 3 and 34

7 1/2, 14° 15'

4000

a maple <sup>purple</sup> ~~red~~ 8 x 4 x 3 ft.

above ground which  
I marked with a cross (+)

at exact cor. point and

14 on N. face. From

which a pine tree 26 ins

in diam. to N. 39° E 41 lbs.

dist. marked 14 S. B. T.

A pine tree 25 ins. in diam.

to S. 30° N. 69 lbs dist.

marked 14 S. B. T.

97  
 N. Ry. Tp. 17 N. R. 8 E.  
 9. and 5. R.M.

Chairs

72.00 Top of hill to N.W. 80° E. 100 ft  
 and descend

80.00 Set a malpais rock  
 18 x 18 x 12 ins. 12 ins. in  
 the ground for. Cor. to  
 Sec. 34. 30 and 34 marked  
 with 3 notes on E. and  
 3 notes on N. Edge.  
 From which a Pine 14 ins.  
 in diam. to. N. 40° E.  
 81 lbs. dist. marked  
 T. 15 N. R. 8 E. S. 34 30.7.  
 A pine tree 10 ins. in diam.  
 to. S. 65° E. 13 lbs. dist.  
 marked. T. 17 N. R. 8 E.  
 S. 30.7. A pine tree 12  
 ins. in diam. to. S. 16° N.  
 34 lbs. dist. marked

A. By. 7/4 N. R. & E.  
9 and S. N. W.

Chambers

T. 17 N. R. & E. S. 4 B.T.  
A plain track 24 ins. in  
diam. fr. N. 60° W. 83 lbs  
dist. marked T. 18 N. R. & E.  
S. 00 B.T.

Surface rolling and hilly  
Soil 1st and 2nd rate  
Good grass  
Heavy pine timber

S. 89° 51' W. on a true  
line 747 Secs. 4 and 3  
Val. 14° 15' E

Descend

18.00 Foot of hill fr. N. W. and S. E. 125 ft.

Cross Creek 10 lbs. wide fr. S. E.

21.00 Top of bluff fr. N. & S. 60 ft.  
thence over rolling mesa



N. By. Sp. 17 N. R. 8 E.

Chains

40.00 Set a well<sup>rock</sup> 14 x 10 x 8  
ins. 9 ins. in the  
ground for 14 Sec.  
Cen. marked 14 on  
N. face.

From which a pin  
tree 24 ins. in diam  
brs. S. 100° W. 100 lbs. dist.  
marked 14 S. B. T.

a pin tree 20 ins. in  
diam brs. N. 30° W. 73 lbs.  
dist. marked 14 S. B. T.

8.00 Set a post 4 ft. long 4 ins.  
sq. with marked stone  
24 ins. in the ground  
for Cen. to Secs. 4, 5, 32 and  
33 marked 7. 18 N. S. 30  
on N. E. R. 8 E. S. 4 or 5 E.

J. and J. R. M.  
Chains

7.17 N. S. 5 on S. N. and S.  
 32 on N. W. faces, with  
 4 notches on E. and 2 notches  
 on N. edges. From which  
 a pine tree 24 ins. in diam.  
 to N. 6° E. 77 lbs. dist. mark-  
 ed 7.18 N. R. 5 E. S. 33 B.T.  
 A pine tree 20 ins. in diam.  
 to S. 3° E. 45 lbs. dist. marked  
 7.17 N. R. 5 E. S. 4 B.T.  
 A pine tree 30 ins. in diam.  
 to S. 78° N. 100 lbs. dist.  
 marked 7.17 N. R. 5 E. S. 5 B.T.  
 An oak tree 14 ins. in diam.  
 to N. 40° N. 124 lbs. dist.  
 marked 7.18 N. R. 5 E.  
 S. 32 B.T.

Surface rolling

N. By. Tp. 17 N. R. 8E

Chains

Soil 2nd rate and 1st.

Good grass

Heavy pine timber

S. 89° 51' W. on a true  
line bet. Secs. 5 and 32

No. 14° 15' E.

3950  
4000

July 10<sup>ascend</sup> lbs. wide bet S. and  
Set a walrus rock

16x10x4 ins. 11 ins. in  
the ground for 14 Sec.  
Cen. marked 14 on N. face.  
From which a pine  
24 ins. in diam. frs.

S. 43° E. 52 lbs. dist  
marked 14 S. BT.

A pine tree 26 ins. in  
diam. frs. N. 30° W. 66 lbs.



J. and S. R. M.

Chains

- 61.00 dist. marked 14 S. B.T.  
Top of ridge to N.W. 70 ft  
descend
- 80.00 Set a malpais rock 12x12x5  
ins. 8 ins. in the ground  
for bar. to Secs. 5, 6 31 and 32  
marked with 5 notches on E.  
and 1 notch on N. edge.  
From which a pine 8 ins. in  
diam. to N. 40° E, 36 lbs.  
dist. marked 7, 18 N. R. 8 E.  
S. 32 B.T., a pine tree 25  
ins. in diam. to S. 2° E,  
119 lbs. dist. marked  
7, 17 N. R. 8 E. S. 5 B.T.  
An oak tree 14 ins. in  
diam. to S. 70° N, 241 lbs.  
dist. marked 7, 17 N.

N. Ry. T<sub>h</sub>. 17 N. R. 5 E.

Chains

R. 8 E. S. 6 N. 7. An oak tree  
7 ins. in diam. No. N. 32074.  
48 lbs. dist. marked 7, 19 N.  
R. 8 E. S. 31 N. 7.

Surface rolling shelly  
Subst. and Ind. rats  
Good grass  
Heavy pine timber

S. 89° 51' N. on a true line  
Set. Secs. 6 and 31  
T<sub>4</sub>. 14° 15' E.

4000

Descend gradually  
Set a malpais rock  
10 x 10 x 8 ins. 7 ins. in  
the ground for 114  
Sec. Cor. marked 114  
on N. face.

J. and S. R. W.

Quinn

From which a pine tree  
 20 in. in diam. to.  
 N. 23° E. 111 lbs. dist. marked  
 114 S. B. T. An oak 16 in.  
 in diam. to. S. 71° E.  
 108 lbs. dist. marked  
 114 S. B. T.

7950

The loc. to Exes. 17 and 18  
 N. P. 7 and 8 E.

Surface rolled  
 Soil Prod. rate

Good grass

Heavy pine and oak timber

I carefully examined the  
 adjustments of my Solar  
 Compass to-day particularly  
 the latitude and noon-sing  
 apparatus and found them correct

Wed. 31<sup>st</sup> 1885



N. By. Tp. 18 N. R. 8 E.

Chains

From the cor. to Tps. 17 and 18 N. R. 7 and 8 E. recently established by me I run North on a random line  $74^{\circ}15'$  setting temporary 114 and 52 links at each 40 and 80 lbs. and at 483 chains arrive at a point 290 links E. of the cor. to Tps. 18 and 19 N. R. 7 and 8 E. which is a post 442 vis. sq. properly marked and firmly set in a mound of stones. From which a line took 28 vis. in diam.  $75^{\circ}45'$  E. 116.

J. and S. R. M.

Chavis

the dist. properly marked  
A pine tree 29 ins. in  
diam. frs. S. 57° E. 95 lbs.

dist. properly marked  
A. pine tree 27 ins. in diam.  
frs. S. 89° W. 106 lbs. dist.  
properly marked

at pine tree 29 ins. in  
diam. frs. N. 42° W. 60  
lbs. dist. properly marked.

Thence I run S. 80° 21' E.  
on a true line set.

Secs 1 and 6 with a

7a. of 14° 30' E.

4300

Set a walrus rock  
12 x 10 x 6 ins. 8 ins. in  
the ground for 114 sec.  
lev. marked 114 m N.

N. By. T. 18 N. R. & E.

Quins

face.

From which a pine tree  
31 ins. in diam. br. S. 30° E.  
89 lbs. dist. marked 14 S. B. T.  
A pine tree 12 ins. in diam.  
br. N. 50° W 85 lbs. dist.  
marked 14 S. B. T.

8 3.00

Set a well-pis rock 15x10  
ins. 12 ins. in the ground  
for C. to Sec. 1, 6, 7 and 12  
marked with 1 notch on  
N. and 5 notches on S.  
edges. From which pine  
tree 28 ins. in diam. br.  
N. 40° E. 180 lbs. dist.  
marked 17, 18 N. R. & E. S. 6° B. T.  
An oak tree 6 ins. in diam.  
br. S. 5° E. 60 lbs. dist. marked



J. and S. R. W.  
 Chain

T. 15 N. R. 5 E. S. 7 B. T.

A pine tree 26 ins. in diam.  
 to S. 60° W. 29 lbs. dist.

marked T. 15 N. R. 7 E. S. 12 B. T.

A pine tree 25 ins. in diam.

to N. 70° W. 41 lbs. dist.

marked T. 15 N. R. 7 E. S. 1 B. T.

Surface rolling and hilly.

Spl 1st and 2nd rate

Good grass

Heavy pine timber

<sup>mountain</sup>  
 S. 00° 21' E. bet. Secs. 7 and 12

Th. 14° 30' E.

40 Gulch 8 lbs. wide bet. N.

10.00 Set a malpais rock  
 12 x 10 x 6 ins T ins. in  
 the ground for 14 Sec. bet.

N. By. 7<sup>h</sup>. 18 N. Q. 80.

Lanis

marked "4 on N. face.  
 From which a pine tree  
 12 ins. in diam. to. N. 51° E,  
 65 lbs. dist. marked "4 S. B. T.  
 A pine tree 14 ins. in diam.  
 to. N. 48° W. 40 lbs. dist.  
 marked "4 S. B. T.

48.00 Creek 10 lbs. wide to. N.  
 head of valley

80.00 Set a malpais rock 12x10x9  
 ins. 8 ins. in the ground  
 for. low. to Secs. 7, 12, 13 & 15  
 marked with 2 notches on  
 N. and 4 notches on S. edges.  
 From which a pine tree  
 14 ins. in diam. to. N. 40° E.  
 87 lbs. dist. marked  
 N. 15 N. Q. 80. S. 7 B. T.

J. and S. R. M.  
 Chain

A pine tree 40 ins. in diam.  
 to S. 60° E. 154 lbs. dist.  
 marked T. 15 N. R. 5 E. S. 15 B. T.

A pine tree 18 ins. in diam.  
 to S. 50° W. 192 lbs. dist.  
 marked T. 15 N. R. 7 E. S. 13 B. T.

A pine tree 20 ins. in  
 diam. to N. 10° W. 16 lbs. dist.  
 marked T. 15 N. R. 7 E. S. 12 B. T.

Surface hilly  
 Soil 1st and 2nd rate  
 Grass good  
Heavy pine timber

S. 00° 21' E. on a true line  
 bet. Secs. 13 and 18

To. 14° 30' E.

108 Creek 20 lbs. wide bet. S. W.



N. B. Sp. 15 N. R. 8 E.

Chairs

40.00

Set a malpais <sup>rock</sup> 16 x 10 x 5 ins.  
11 ins. in the ground  
for 14 Sec. Cor. marked  
114 on N. face.

From which a pine tree  
2° ins. in diam. br.  
S. 82° E. 77 lbs. dist. marked  
114 S. B. T.

A pine tree 24 ins. in  
diam. br. S. 86° E. 87 lbs.  
dist. marked 114 S. B. T.

80.00

Set a malpais rock 12 x 8 x 6  
ins. 8 ins. in the ground  
for Cor. to Secs. 13, 18, 19  
and 24 marked with  
3 notches on N. and 3  
notches on S. edge.  
From which a pine tree

J. and S. A. M.  
Ohio

30 ins. in diam. to. N. 30° E.  
14 lbs. dist. marked T. 18 N.  
R. 8 E. S. 18 B.T.

a fine tree 26 ins. in  
diam. to. S. 30° E. 37 lbs.  
dist. marked T. 18 N. R. 1 E.

S. 19 B.T. a fine tree  
39 ins. in diam. to.  
S. 62° N. 60 lbs dist. marked  
T. 18 N. R. 7 E. S. 24 B.T.

A fine tree 11 ins. in  
diam. to. N. 70° W. 137  
lbs dist. marked T. 18 N.  
R. 7 E. S. 13 B.T.

Surface belly and rolling  
Sub 1st and 2nd rate  
good grow  
Heavy fine timber

N. By. Sp. 18 N. R. 8 E.

Chains

S. 00° 21' E. on a tree limb  
Set Secs. 19 and 24

No. 140 30' E.

40.00

Set a malpais rock  
12 x 9 x 8 ins. 8 ins. in the  
ground for 14 Sec. Cor.  
marked 14 on N. face.  
From which a pine tree  
10 ins. in diam. No.

N. 60° E. 45 lbs. dist marked  
1145 B.T. a pine tree  
20 ins. in diam. No. S. 30° W.  
38 lbs. dist marked 1148 B.T.

80.00

Set a malpais rock 16 x 10 x 7 ins.  
11 ins. in the ground  
for Cor. to Secs. 19, 24,  
25 and 30 marked with 4  
notches on N. and 2 notches



J. and S. R. M.  
Chains

on S. edge. From which  
a pine tree 9 ins. in diam.  
to. N.  $58^{\circ}$  E. 34 lks. dist.  
marked T. 18 N. R. 5 E. S. 19 B. T.  
An oak tree 14 ins. in diam.  
to. S.  $43^{\circ}$  E. 40 lks. dist.  
marked T. 18 N. R. 5 E. S. 30  
B. T. A pine tree 18 ins.  
in diam. to. S.  $62^{\circ}$  W. 64  
lks. dist. marked T. 18 N.  
R. 7 E. S. 25 B. T.  
A pine tree 24 ins. in  
diam. to. N.  $48^{\circ}$  W. 55  
lks. dist. marked T. 18 N.  
R. 7 E. S. 24 B. T.

Surface rolling and hilly  
Soil 1st and 2nd rock  
Good grass  
Heavy pine timber

N. By. Sp. 15 N. R. 5 E.

Chairs

S. 21° E. on a true  
line bet. Secs 25 and 30

70. 140 30° E.

4000

Got a malpais rock  
12 X 10 X 7 ins 8 ins. in  
the ground for "4  
Sec. 1<sup>st</sup> tier marked "4 on  
N. face. From which an  
oak tree 20 ins. in diam.

hrs. S. 72° E. 4 1/2 hrs dist  
marked "4 S. B. T.

A pine tree 10 ins. in  
diam. hrs. N. 60° W. 4 1/2 hrs.  
dist. marked "4 S. B. T.

Creek 4 hrs. with Sec. N.

Got a malpais rock  
15 X 9 X 7 ins. 10 ins. in  
the ground for Sec. 1<sup>st</sup>

J. and S. R. W.

Chasius

Secs. 25, 30, 31 and 36  
 marked with 1 notch  
 on S. and 5 notches on  
 N. edge. From which a  
 pine tree 70 ins. in diam.  
 No. N. 45° E. 90 lbs. dist.  
 marked T. 18 N. R. 8 E.  
 S. 30 B. T. An ~~apple~~  
 tree 20 ins. in diam. No.  
 S. 44° E. 23 lbs. dist. marked  
 T. 18 N. R. 8 E. S. 31 B. T.  
 A pine tree 30 ins. in diam.  
 No. S. 89° N. 80 lbs. dist.  
 marked T. 18 N. R. 7 E.  
 S. 36 B. T. An oak tree  
 18 ins. in diam. No. N. 2° N.  
 22 lbs. dist. marked  
 T. 18 N. R. 7 E. S. 25 B. T.



H. Co. Sp. 1800. C. 80.

Chains

Surface hilly rolling  
Soil 1st and 2nd rate  
Good grass  
Heavy pine timber and  
Scattering oak.

---

3000 ft. on a true  
line bet. Secs. 31 and 36

Var.  $14^{\circ}15'$  E

3700 Level 8 lbs. wire  
line bet. Secs. 31 and 36

4000 Set a multipole rock  
 $10 \times 10 \times 8$  ins. pins in  
the ground for 114  
sq. cen. marked  
114 on N. face, and  
for the purpose a  
pin was 22 ins. in

J. and S. R. W.  
 Harris

diam. W. S.  $56^{\circ}E$ . 13 lbs.  
 dist. marked 14 S. B. T.

A pine tree 28 ins. in diam.  
 W. N.  $70^{\circ}W$ . 30 lbs. dist.  
 marked 14 S. B. T.

Feb. 20 The hor. to Eqs. 17 and  
 18 N. W. 7 and  $8E$ !

Surface rolling  
 Soil 200. rate rocky

Good grass  
Heavy pine timber

I carefully examined the  
 adjustments of my Solar  
 Transit to-day particularly by  
 the latitude and reversing  
 apparatus and found them  
 correct.

Feb. 23rd 1885

N. By 7<sup>1</sup>/<sub>2</sub>. 17 N. R 7 E.

chains.

From the Stand. run to  
7<sup>1</sup>/<sub>2</sub> 17 N. R. 6 and 7 E.  
(which is a malpais rock  
in place properly marked  
and a mound of  
stone alongside.) I run  
North along E. By: of Sec. 36  
7<sup>1</sup>/<sub>2</sub>. 14° 15' E.

32.00

Precipitous edge of <sup>Beaver</sup> cañon  
to N. 60° N. and S. 40° E.

It being impossible to  
continue on this line  
North. I offset 30 chs.  
West and then run North  
2 miles and 48 chs.  
which brings me on  
top of the Mogollon mesa  
I now offset <sup>30 chs</sup> East



9 and S. R. M.

Chavis

3000 C. to the line, and  
 Set a malpais rock  $15 \times 10 \times 7$   
 ins. 10 ins. in the ground  
 fr. loc to Dec. 10, 18, 19  
 and 24. marked with  
 3 notches on N. and 3  
 notches on S. edge. and  
 raised a mound of stones  
 alongside. Pit in front with  
 The offset line runs through  
 a dense undergrowth of  
 oak, cedar, pinon and  
 manzanita. with scattering  
 trees of cedar and pinon  
 a part of the line runs  
 over a sandstone formation  
 the soil is 4th rate  
 Very little grass

121

N. Bay. Tl. 17 N. A. 7 E.

## Chairs

North Along E. Bay. of Sec. 13.  
Tl. 14° 15' E.

39.00

Set 6 lbs. wide Co. E.

40.00

Set a walrus rock 10x10x6  
ins. 7 ins. in the ground  
for "4 Sec. less marked  
"4 on N. face and  
raised a mound  
of ston alongside.

Pits impracticable

80.00

Set a walrus rock  
14x10x8 ins. 9 ins. in  
the ground for  
less. to Sec. 7, 12, 13 & 18  
marked with 4  
notches on E and  
2 notches on N edge  
and raised a mound

J. and S. A. M.  
 Chairs

of four alongside.

Pit impracticable

From which an oak tree

grows. in diam. to  $570^{\circ}E$ .

46 lbs dist. marked

T. 17 N. R. 7 E, S. 18 B. T.

No other trees within limits

Surface Broken

Soil 3rd with

Good grass

Scattered pine timber

North along E. Bdy. of Sec 12  
 Va.  $14^{\circ}15'E$ .

40.00 Set a malpais rock  $14 \times 12 \times 8$   
 ins. 9 ins. in the ground  
 for 14 Sec. Cen. marked  
 14 on the face. From which



N. By. Tr. 17 N. R. 7 E.

Chain

a pine tree 26 ins. in  
diam. br. S. 2° N. 6.8 -  
the dist. marked 45.09.

A. pine tree 27 ins. in diam.  
br. N. 40° W. 39 lbs. dist.  
marked 45.00.

8000

Set a malpais rock  
14x14x8 ins. 9 ins. in  
the ground for C.C.  
to Secs. 1, 6, 7 and 12  
marked with 5 notches  
on S. and 1 notch on N.  
edge. From which  
an oak tree 4 ins.  
in diam. br. N. 70° E,  
75 lbs. dist. marked  
17.17 N. R. 7 E. S. 6 S. T.  
A pine 22 ins. in diam.  
br. S. 46° E. 71 lbs. dist.

J. and S. R. M.

Pinus

marked T. 17 N. R. 7 E. S. 7 B. T.

A white oak 8 ins. in diam.  
fr. S. 30° W. 30 lbs. dist.

marked T. 17 N. R. 8 E. S. 12 B. T.

an oak tree 12 ins. in diam.  
fr. S. 20° W. 32 lbs. dist.

marked T. 17 N. R. 6 E. S. 1 B. T.

Surface rolling  
Soil 2nd. rate

Good grass

Heavy pine and oak timber

North along E. Base of Sec. 1  
T<sub>4</sub>. 14° 15' E.

23.75 a pine tree 26 ins. in diam in line

40.00 Set a malpais rock 17x8x8  
ins 11 ins. in the ground  
for "4 Sec. Cor. marked

N. By. 7<sup>h</sup>. 17 N. R. 7 E.

Chairs

"4 on N. face  
From which a pine  
tree 24 ins. in diam.  
W. Cr. 45° E. 69 lbs. dist.  
marked "45. B.T.  
A few trees 20 ins. in diam.  
W. S. 62° N. 18 lbs. dist.  
marked "45. B.T.

76.00

80.00

Leave heavy pine timber  
Set a malpais rock  
18 x 24 x 5 ins. 12 ins. in the  
ground for. cor. to ~~face~~  
17 and 18 N. R. 6 and 7 E.  
marked with 6 notches  
on each edge  
and raised a  
mound of stone  
alongside.



J. and S. A. M.  
Chains

Orb impracticable  
From which a Juniper  
24 ins. in diam. No. S. 20 N.

76 lbs. dist. marked  
7.17 N. R. 6 E. S. 1 B. N.

No other trees within limits  
Surface rolling and broken mesa  
Soil 1st and 2nd rate  
Good grass

Heavy pine timber and  
Scattering Juniper 76 Chs.  
Scattering Timber 4 Chs.

---

I carefully examined  
the adjustments of  
my Solar Transit to-  
day particularly the latitude  
and reversing apparatus and  
found them correct.

Mch. 24th 1855

N. By. Tps. 17 N. R. 7 E.

## Chains

From the cor. to Tps. 17  
and 18 N. Rs. 6 and 7 E.

just established by me.  
I run S.  $89^{\circ}30' E.$  on a  
random line with a var. of  
 $14^{\circ}15' E.$  setting temporary  
"4 and 20. Sec. lines at each  
40 and 80 chains and at 571.00

Chains arrive at a point  
20.32 chains N. of the cor.  
to Tps. 17 and 18 N. Rs. 7 and 8 E.  
recently established by me.

Thence I run N.  $86^{\circ}22' W.$  on  
a true line bet. Secs.

1 and 36 with same var.

Set a malpais rock  
 $12 \times 10 \times 8$  ins. 8 ins. in  
the ground for "4

40.00

J. and S. R.M.  
 Champs

Sec. Cor. marked 14 on  
 N. face. From which  
 a pine tree 30 ins. in  
 diam. fr. N.  $2^{\circ}$  E. 34 lbs.  
 dist. marked 14 S. B. T.

A pine tree 26 ins. in  
 diam. fr. N.  $32^{\circ}$  W. 75  
 lbs. dist. marked  
 14 S. B. T.

57.00 Gulch 15 lbs. rocks Sec. S. W.  
 80.00 but a malpais rock  
 14x10x6 ins. 9 ins. in  
 the ground for Cor.  
 to Sec. 11. P. 35 and 36  
 marked with 1 notch  
 on E. and 5 notches  
 on N. edge. From  
 which a pine tree



A. By. 4/17 A. R. 7 E.

Chains

20 ins. in diam. trs.  
N. 50° E. 100 lbs. dist.  
marked T. 18 N. R. 7 E. S. 36 B.T.

A Juniper 6 ins. in diam.  
trs. S. 46° E. 171 lbs. dist  
marked T. 17 N. R. 7 E. S. 1 B.T.

A pine tree 25 ins. in  
diam. trs. S. 74° N. 85 lbs.  
dist. marked T. 17 N. R. 7 E.

S. 2 B.T. a pine tree  
6 ins. in diam. trs.  
N. 60° N. 85 lbs. dist. marked  
T. 18 N. R. 7 E. S. 35 B.T.

Surface rolling mesa  
Soil 2nd rate

Good grass  
It says full timber  
Scattered Juniper

N. 86° 22' W. in a true  
line bet. Secs. 2 and 35

Chains

N. 86° 22' W. in a true  
line bet. Secs. 2 and 35  
7/8, 140 15' E.

3.80

Road bet. N. 6. and S. 7.

4000

Set a walrus rock 11x9x6 ins.  
7 ins. in the ground for  
114 Sec. Cen. marked 114  
on the face. Corner which  
a pine tree 22 ins. in  
diam. bet. N. 48° E. 16 lks.  
dist. marked 114 S. B. T.

A post <sup>the</sup> 27 ins. in diam. bet.  
S. 60° W. 39 lks dist.  
marked 114 S. B. T.

8000

Set a walrus rock 14x10x8  
ins. 9 ins. in the ground  
for Cen. to Secs. 2. 2. 34 & 35  
marked with 2 notches on

N. Ry. Tr. 17 N. R. 7 E

Chains

E. and 4 notches on N.  
edge. From which a  
fine tree 28 ins. in diam.  
trs. N.  $26^{\circ}$  E. 6 lbs. dist.  
marked 7. 18 N. R. 7 E.

S. 35 B.T. a fine tree  
30 ins. in diam. trs. S.  $88^{\circ}$  E.

57 lbs. dist. marked  
T. 17 N. R. 7 E. S. 2, B.T.

a fine tree 26 ins. in  
diam. trs. S.  $30^{\circ}$  N. 112  
lbs. dist. marked

T. 17 N. R. 7 E. S. 3 B.T.

a fine tree 27 ins. in  
diam. trs. N.  $45^{\circ}$  N. 98  
lbs. dist. marked 7. 18 N.

R. 7 E. S. 34, B.T.

Surface Rolling

Soil and rock rocky



J. and S. R. M.  
Chas

Good grass  
Heavy pine timber

N.  $86^{\circ} 22' W.$  <sup>over this line</sup> to Set. Sea,  
B. and B4.

To.  $14^{\circ} 15' E.$

- 4000 Set a malpais rock  
13x11x8 ins. This is the  
ground for "4 Set. Cen.  
marked "4 Set. terr.  
on N. face. From which  
a pine tree 14 ins. in  
diam. to. N.  $48^{\circ} E.$ , 104  
lbs. dist. marked "45.  
B.T. a pine tree 8 ins. in  
diam. to. S.  $60^{\circ} W.$ , 8  
lbs. dist. marked "45. B.T.
- 5000 Road to. N. and S.

N. By. Sp. 17 N. R. 7 E.

Chains

8000 Set a malpais rock  
 12x10x10 ins. 8 ins. in  
 the ground for Cor. to  
 S. 34. 33. and 34 marked  
 with 3 notches on E. and  
 3 notches on N. edges.  
 From which a pine tree  
 14 ins. in diam. No.  
 N. 10 E. 104 lbs. diet.  
 marked T. 18 N. R. 7 E.  
 S. 34 B.T. a pine tree  
 14 ins. in diam. No.  
 S. 350 E. 91 lbs diet.  
 marked T. 17 N. R. 7 E. S. 3  
 B.T. a pine tree 12 ins.  
 in diam. No. 5400 N.  
 184 lbs. diet. marked  
 T. 17 N. R. 7 E. S. 4 B.T.

Y. and S. R. M.  
Chairs

A Juniper 14 ins. in diam.  
hs. N. 30° W. 98 lbs. dist.  
marked 7.18 N. R. 7 E. S. 33 B. T.

Surface rolling

Soil rocky 2nd rate

Good grass

Heavy pine timber

N. 86° 22' W. on a true line  
bet. Secs. 4 and 33

7<sup>a</sup> 14° 15' E.

4000 Enter valley hs. N. N. 55° E.

Set a malpais rock 12x12x8  
ins. 8 ins. in the ground  
for 4 Sec. loc. marked  
1/4 on N. face, day pits  
18x18x12 ins. E. and  
W. of stone 5 1/2 ft. dist.



N. Coy. Tp. 17 N. R. 7 E

Shaw

and raised a  
mound of earth  $1\frac{1}{2}$  ft.  
high  $3\frac{1}{2}$  ft. base alongside  
From which a pine  
tree 32 ins. in diam.  
hrs. N.  $15^{\circ}$  E. 231 lbs. dist.  
marked "45. B. T. No other trees <sup>limits</sup> within

80,000 <sup>Erater</sup> timber <sup>have</sup> valley  
sit a malpais rock  
12 x 10 x 10 ins. 8 ins. in  
the ground for low.  
to Secs. 4, 5, 32 and 33  
marked with 4 notches  
on E. and 2 notches on  
N. edge. From which  
a pine tree 10 ins. in  
diam. hrs. N.  $30^{\circ}$  E. 182 lbs.  
dist. marked 7. 19 N. R. 7 E.

J. and J. R. M.

Chains

S. 39 B. T. a pine tree  
22 ins. in diam. br. S 1° E.  
10.4 lbs. dist. marked

T. 17 N. R. 7 E. S. 4 B. T.  
a pine tree 14 ins. in  
diam. br. S. 48° N. 64 lbs.  
dist. marked T. 17 N. R. 7 E.

S. 5 B. T. An Oak tree  
4 ins. in diam. br.  
N. 6° W. 12 lbs. dist. marked

T. 18 N. R. 7 E. S. 32 B. T.

Surface rolling, and level in valley  
Soil 1st rate in valley, 2nd  
rate in other places.

Good grass

Heavy pine timber 40 chs.  
None 40 chs.

---

N. By. Sp. 17 & 18

Churns

N. 86° 22' W. to a tree  
 line bet. Sec. 5 and 22  
 Va. 14° 15' E.

In Heavy pine timber  
 44.00 Set a malpais rock 13x10x6  
 ins. 8 ins. in the ground  
 for "4 Sec. Cor. marked  
 "4 on N. face. From  
 which a pine tree 12  
 ins. in diam. No.  
 570° E. 12 lbs. dist.  
 marked "45. B.T.

A. cedar tree 10 ins. in  
 diam. No. N. 60° W. 10  
 lbs. dist. marked "45. B.T.

51.00 The Cor. to Sp. 17 and 18  
 N. Rs. 6 and 7 E.

Surface rough and rolling



J. and S. R. M.  
Davis

Soil End note  
Good grass  
Heavy fine timber

I carefully examined  
the adjustments of my  
Solar Transit to day  
particularly the latitude  
and reversing apparatus  
and found them correct.  
Monday 25th 1885

N. By. T. 18 N. R. 7 E

chain

From the cor. to Tps.  
17 and 18 N. R. 6 and 7  
E. recently established by me.  
I run North along E.  
Body of Sec. 36  
To.  $14^{\circ}15' E.$

Over Broken mesa

40.00

Set a malpais rock  
16 X 10 X 4 ins. 11 ins.  
in the ground for  
14 Sec. Cor. marked  
14 on N. face.  
From which a pine  
tree 14 ins. in diam.  
To. S.  $80^{\circ} E.$  69 lbs.  
dist. marked 14 S. B. D.  
An oak tree 12 ins. in  
diam. To. S.  $8^{\circ} N.$  12  
lbs. dist. marked

J. and S. A. M.

Chino

14 S. A. T.

8000 Set a malpais rock  $18 \times 10 \times 4$  ins. 12 ins. in the ground for Cen. to Dec. 25. 30, 31 and 36 marked with 1 notch on S. and 5 notches on N. edges and raised a mound of dirt alongside.

Dist. impracticable

From which an oak tree 4 ins. in diam. from N.  $60^\circ$  E. 3 lbs.

dist. marked T. 18 N. R. 7 E. D. 30 A. T.

An oak tree 10 ins. in diam. from S.  $78^\circ$  E. 8 lbs. dist. marked T. 18 N.



N. By. Sp. 18 N. R. 7 E.

Chaus

R. 7 E. S. 31 B. T.

A fine tree 22 ins,  
in diam. No. 5400 N.

56 lbs. diet. marked  
T. 18 N. R. 6 E. S. 36 B. T.

No other trees within limits

Surface broken mesa  
Soil 2nd. rats

Good grass

Heavy pine and scattering  
oak and juniper timber

North along <sup>E. Body of Sec. 25</sup>  
To 14° 15' E.

1000

Down rocky slope No.  
E. and N.

4000

Set a malpais rock  
13x9x9 ins. 8 ins. in

G. and S. R. M.  
Chain

the ground for 14 Sec.  
Cp. marked 14 on N.  
face. From which a  
pine tree 21 ins. in  
diam. W. S. 30° E. 117 lbs.  
dist. marked 14 S. B.T.  
A. pine tree 20 ins. in  
diam. W. S. 59° N. 120  
lbs. dist. marked 14 S. B.T.

65.00 Enter E. fork oak creek  
cañon Co. N.W.

80.00. Rock in place 5x4x3 ft.  
above ground which  
I marked with a cross  
(+) at exact cor. point.  
and 2 notches S. and 4  
notches N. of cross. and  
raised a mound

St. By. Tr. 18 N. R. & E.

Chains

of stone alongside.

But impracticable

About 4 Chs. W. of bottom  
of cañon

Surface Broken

Soil 2nd and 4th rate

Grass fair

Heavy pine timber, dense  
toward latter part of mile

North along E. By. of ~~St. 24~~  
Tr. 14° 15' E.

Descend

5.20

Bottom of cañon <sup>200ft</sup> cross  
creek 1/2 lks. wide to.

W. - Ascend rocky bluffs.

4000

a rock in place 4x3x2  
ft above ground marked



J. and S. R. W.  
Chairs No. 1285

with a cross (+) at exact  
cor. point and 1/4 on N. face  
and raised a mound  
of stum alongside,  
Pits impracticable

46.00 Lower Canyon Co. N.W. top  
of N. side 200 ft. there  
was broken mura

8000 Set a maffis rock 14x10x4  
in. 9 ins. in the ground  
for. to Sec. 18, 18, 19 and  
24 marked with 3 notches  
on S. and 2 notches on N.  
edges and raised a  
mound of stum alongside  
Pits impracticable  
A pine tree 12 ins. in  
diam. b.s. N. 84° E.

H. Bay. T. 18 N. R. 7 E.

Chairs

113 lbs. dist. marked  
T. 18 N. R. 7 E. S. 1837.

No other trees within limits  
Surface mountainous

Soil 4th rate

Some grass

Scattered fine and cedar timber

North along E. edge Sec. 13

Tw. 14° 10' C.

Ascending

4000

Set a mark on rock 18x16x6  
ins. 12 ins. in the ground

for 14. Sec. 13 - marked  
14 on N. face.

From which a fine tree  
30 ins. in diam. to.

S. 80° W. 40 lbs. dist.

J. and S. A. M.  
Mexico

marked 4 S. B. T.

a pine tree 42 ins. in diam.  
hs. N. 45° W. 48 lbs. dist.

marked 14 S. B. T.

44.00 Top of ridge to E. + W. and  
descend 150 ft. high

77.00 Foot of ridge 100 ft. head of valley  
lev. S. 50° E. Leave timber

80.00 Set a malpais rock 18x14x10  
ins 12 ins. in the ground  
for lev. to Dec. 7, 12, 13 and 18  
marked with 4 notches on S.  
and 2 notches on N. edges,  
and raised a mound  
of stone alongside.

Pits unproductive

Surface mountainous 7; ins.

Set 1st and 2nd rats

Heavy pine timber 77 lbs.



N. Ry. 7<sup>h</sup>. 15 N. R. 7 E.

Chains

North along E. Ry. Sec. 12.  
Ta.  $14^{\circ} 15' E$ .

3.00

Leave rally ascend through  
heavy pine timber

19.50

Road to N.W. and S.E.

40.00

Set a malpais rock  $10 \times 10 \times 6$   
ins. 7 ins. in the ground  
for "4 Sec. Cor. marked  
"44 on N. face.

From which a pine  
tree 22 ins. in diam.  
to S.  $86^{\circ} E$ . 65 lbs. dist.  
marked "45. S. T.

A pine tree 14 ins. in  
diam to S.  $12^{\circ} N$ . 105  
lbs. dist. marked  
"14 S. S. T.

62.00

Road to N.W. and S.E.

J and S. R. M.

Harris

63.00

Creek 9 lbs. with loc. S.E.

80.00

Set a malpais rock  
 12x10x6 ins. 8 ins. in  
 the ground for Cor. to  
 S. Sec. 1. 6. 7 and 12 marked  
 with 5 notches on S.  
 and 1 notch on N.  
 edges. and raised a  
 mound of stones alongside  
 Pits impracticable  
 from which a pine tree  
 20 ins. in diam. trs.  
 N. 40° E. 25 lbs. dist.  
 marked T. 18 N. R. 7 E.  
 S. 6 B. T. A pine tree  
 21 ins. in diam. trs.  
 S. 89° E. 27 lbs. dist.  
 marked T. 18 N. R. 7 E.  
 S. 7 B. T.

149

N. By. Sp. 18 N. R. 7 E.

Chains

A pine tree 24 ins  
in diam. No. N. 47° W.  
100 lbs. dist. marked  
N. 18 N. R. 6 E. 6.1 87.

No other trees within limits

Surface broken

Good 3rd and 1st rate

Good grass

Heavy pine timber 77 lbs.

3 lbs. more

North along E. Bdy. Sec. 1  
Va. 14° 15' E.

In Heavy pine timber

40.00 Set a malpais rock  
16 X 12 X 4 ins. 11 ins. in  
the ground for. 114  
Sec. 10. marked



J and J. A. M.  
 Chaus

14 on N. face, and  
 raised a mound  
 of stone alongside  
 P's impracticable

From which a pine tree  
 26 ins. in diam. brs,  
 S. 80° N. 98 lbs. dist.  
 marked 14 S. A. T.

No other trees within limits.  
 70.00 Top of ridge br. E. S. N. 135 ft  
 and descend

70.00 Set a malpais rock 14x10x6  
 ins. 9 ins. in the ground  
 for ten to P's; 18 and  
 19 N. Br. 6 and 7 E.

marked with 6 notches  
 on each edge and  
 raised a mound

N. Ry. Tr. 18 N. R. 7E

Chains

of stone alongside  
 Pits impracticable  
 From which a pine tree  
 22 ins. in diam. ss.  
 N. 20° E. 36 lbs. dit.  
 marked T. 19 N. R. 7E  
 S. 31 B. T. a pine tree  
 24 ins. in diam. ss.  
 S. 40° N. 100 lbs. dit.  
 marked T. 18 N. R. 6E  
 S. 1 B. T. a pine tree  
 36 ins. in diam. ss. N. 45° N.  
 64 lbs. dit. marked  
 T. 19 N. R. 6E. S. 36 B. T.  
 No other trees within limits  
 Surface mountainous  
 Soil Ind. rate  
 Good grass

J. and S. R. M.  
Chambers

Heavy fine timber

I carefully examined  
the adjustments of  
my Solar Transit  
to-day particularly  
the latitude and  
reversing apparatus  
and found them  
correct.

March 26<sup>th</sup> 1880



N. By. Tps. 18 N. R. 7 E.

Chains

From the cor. to Tps.  
18 and 19 N. Rs. 6 and 7 E.  
just established by me.  
I run S.  $86^{\circ} 22' E.$  on  
a random line, <sup>Ta.  $140^{\circ} 15' E.$</sup>  setting  
temporary  $^{14}$  and Sec.  $^{15}$  corners  
at each 40 and 80 chs. and  
at 4 miles and 5 2 chs.  
arrive at a point 200 chs.  
S. of the cor. to Tps. 18 and 19 N.  
Rs. 7 and 8 E. recently surveyed  
by me. Then I run N.  $86^{\circ} 40'$   
N. on a true line set.  
Sec. 1 and 36  $^{16}$   $^{17}$   $^{18}$   $^{19}$   $^{20}$   $^{21}$   $^{22}$   $^{23}$   $^{24}$   $^{25}$   $^{26}$   $^{27}$   $^{28}$   $^{29}$   $^{30}$   $^{31}$   $^{32}$   $^{33}$   $^{34}$   $^{35}$   $^{36}$   
Ta.  $140^{\circ} 30' E.$

4000

Get a malpais rock  
 $16 \times 8 \times 7$  ins. 11 ins. in the  
ground for  $^{14}$  Sec. cor.

J. and S. R. M.  
 Chicks

marked "4" on N. face,  
 From which a fine tree  
 20 ins. in diam. hrs. N. 12

lbs. dist. marked "4" S. B. T.  
 A fine tree 18 ins. in diam.  
 hrs. S. 2° E. 13 lbs. dist.  
 marked "4" S. B. T.

80,00

Set a walrus rock 12x10x5  
 ins 8 ins. on the ground for  
 Cor. to Lica 1. E. 35 and 36  
 marked with 1 notch on E.  
 and 5 notches on N. edge,  
 From which a fine tree  
 19 ins. in diam. hrs. N. 6° E.  
 43 lbs. dist. marked  
 T. 19 N. A. 7 E. S. 36 B. T.  
 A fine tree 24 ins. in diam.  
 hrs. S. 44° E. 65 lbs. dist. marked.

100  
 A. Co. Tr. 18 N. R. 7 E.

Chains

T. 18 N. R. 7 E. S. 1 B.T.

A pine tree 26 ins. in  
 diam. bs. S.  $14^{\circ}$  N. 38 lbs.

dist. marked T. 18 N. R.

7 E. S. 2 B.T. a pine tree

22 in. in diam. bs. N.  $5\frac{1}{2}^{\circ}$  W.

40 lbs. dist. marked

T. 19 N. R. 7 E. S. 35 B.T.

Surface Broken

Soil 3rd. rate

Good grain

Heavy pine timber

N.  $86^{\circ} 40' W$ , on a true  
 line bet. Sec. 2 and 35

N.  $14^{\circ} 20' E$ .

4000

Set a malpais rock 20x12x  
 ins. 15 ins. in the



9 and 5. A.M.

Chairs

ground for 14 Sec. 0 or,  
marked 14 on W. face.  
From which a pine tree  
22 ins. in diam. trs.

S. 45° E. 84 lbs. dist. marked  
114 S. B. T. a pine tree 20 ins.  
in diam. trs. N. 79° W.

69 lbs. dist. marked  
114 S. B. T.

40.50 gubb 12 lbs. with loc. N. W.

40.00 gubb 12 lbs. with loc. S. W.

40.00 Set an trap with 12x12x5 ins.

pins in the ground for loc.  
to Secs. 2, 3, 74 and 75  
marked with 2 notches  
on E. and 4 notches on  
N. edge. From which an  
oak tree 7 ins. in diam.

N. Sp. Tpk. 18 N. R. 7 E.

Chain

ws. N. 62° E. 25 lbs. dist.  
marked T. 19 N. R. 7 E.

S. 25 B.T. An oak tree 6  
ins. in diam. ws. S. 80° E.  
4 lbs. dist. marked

T. 19 N. R. 7 E. S. 2 B.T.  
An oak tree 6 ins. in diam.

ws. S. 40° W. 85 lbs. dist.  
marked T. 18 N. R. 7 E.

S. 3 B.T. An oak tree  
14 ins. in diam. ws.

N. 45° W. 47 lbs. dist. mark-  
ed T. 19 N. R. 7 E. S. 34 B.T.

Surface rough

Soil Ind. rate

Grass good

Heavy pine and oak  
timber

J and S. R. M.  
Harris

N 76° 40' W in a true line  
set. Secs 3 and 34

Va. 140, 5' E.

40.00 Set a malpais rock 12x12x5 ins  
8 ins. in the ground for  
1/4 Sec. Cor. marked "4" on  
N. face. From which a pine  
tree 20 ins. in diam. to,  
N. 48° E. 71 lbs. dist. marked "45" B.I.

A pine tree 30 ins. in diam.  
to. S. 84° W. 40 lbs. dist.  
marked "4" S. B.I.

2.00 July 12 lbs. with to. S.

000 Set a malpais rock 13x10x7 ins,  
8 ins. in the ground for  
Cor. to Secs. 34, 33 and 34  
marked with 3 notches  
on E. and 3 notches on



N. By. T. 18 N. R. 7 E

Chains

N. edge. From which a  
 fine tree 20 ins. in diam.  
 to N. 10° E. 47 lbs. dist.  
 marked T. 19 N. R. 7 E.  
 S. 34 B.T. a fine tree 24 ins.  
 in diam. to S. 70° E. 49 lbs.  
 dist. marked T. 18 N. R. 7 E.  
 S. 3 B.T. a fine tree  
 26 ins. in diam. to  
 S. 85° N. 80 lbs. dist.  
 marked T. 18 N. R. 7 E.  
 S. 4 B.T. a fine tree  
 20 ins. in diam. to  
 N. 60° W. 113 lbs. dist.  
 marked T. 19 N. R. 7 E.  
 S. 33 B.T.

Surfou rough

Soil 2nd and 2nd. rate

Good grass

J. and S. R. M.

Chains

Heavy pine timber

N.  $86^{\circ}40'W$ . on a true  
line bet. Secs. 4 and 33  
Ta.  $14^{\circ}15'E$ .

4000 lbs Malpais rock  $10 \times 10 \times 6$  ins. 7 ins.  
in the ground for  $1/4$  Sec. Cor.  
marked  $1/4$  by N. face  
From which an oak tree  
8 ins. in diam. to.

N.  $12^{\circ}E$ . 12 lbs. dist. marked  
 $1/4$  S. C. N. an oak tree 82  
ins. in diam. to. S.  $40^{\circ}E$ .

7 lbs. dist. marked  $1/4$  S. RT.

4000  
Set a malpais rock  
 $10 \times 8 \times 8$  ins. 10 ins. in  
the ground for Cor  
to Secs. 4, 5, 32 and 33

A. By 7p. 18 N. R. 7 E.

Davis

marked with 4 notches on E. and 2 notches on N. edges. From which an oak tree 7 ins. in diam. brs. N. 8 1/2° E. 48 lbs. dist. marked T. 19 N. R. 7 E.

S. 33 B. T. A pine tree 18 ins. in diam. brs. S. 50° E. 50 lbs. dist. marked T. 18 N. R. 7 E. S. 4 B. T.

Any oak <sup>tree</sup> 14 ins. in diam. brs. S. 120° N. 104 lbs. dist. marked T. 18 N. R. 7 E.

S. 5 B. T. An oak tree 26 ins. in diam. brs. N. 70° W. 50 lbs. dist. marked T. 19 N. R. 7 E. S. 32 B. T.

Surface rough  
Soil 2nd and 3rd strata



J. and E. R. M.  
Chains

Good grain  
A very fine and oak timber

N.  $86^{\circ} 40'$  W. on a true  
line bet. Secs. 5 and 32  
74 -  $140^{\circ} 15'$  E.

40.00 Set a malpais rock  $16 \times 10 \times 10$   
ins. 11 ins. in the ground  
for 114 S. Sec. bet. marked  
114 on N. face. From which a  
pine tree 8 ins. in diam. was

N.  $64^{\circ}$  E. 44 lbs. dist. marked  
114 S. B. T. a pine tree 12 ins. in  
diam. was S.  $72^{\circ}$  W. 114 lbs.  
dist. marked 114 S. B. T.

50.80  
52.00 Gull 10 lbs. with Sec. N. N.

The Sec. to 17/2, 18 and 19 N.  
R. 6 and 7 E.

N. Bay, Np. 15 N. R. 7 E.

G. and S. R. M.

Chains

Surface rough and rocky  
Soil 2nd rate

Good grass

Heavy pine timber

I carefully examined the  
adjustments of my Solar  
Transit. To-day particularly  
the latitude and reversing  
apparatus and found them correct  
Mar 4 27th 1885

W. By. Tps. 19 N. R. 7 E.

Chains

Note: Retraced Dec-1900, by C.R. Caudle, Cont No. 67 and Reestablished

From the Co. to Tps.  
 18 and 19 N. Rs. 6 and 7 E.  
 recently established by me.  
 I run North on a random  
 line N.  $40^{\circ} 15' E$ . setting  
 Tumpway 114 and Sec. corners  
 at each 40 and 80 chs. and  
 at 463 chains. arrive at a  
 point 108 chs. E. of the cor. to  
 Tps. 19 and 20 N. Rs. 6 and 7 E.  
 Which is a post 4 ins. sq. properly  
 marked With a mound of stone  
 around post. From which a pine  
 tree 39 ins. in diam. to. N.  $55^{\circ} E$ . 25 lbs.  
 dist. properly marked. a pine tree 30  
 ins. in diam. to. S.  $23^{\circ} E$ . 151 lbs.  
 dist. properly marked. a pine tree  
 33 ins. in diam. to. S.  $30^{\circ} W$ . 26 lbs. dist.  
 properly marked. a pine tree 12 ins. in diam.  
 to. N.  $9^{\circ} W$ . 76 lbs. dist. properly marked.



H. Ry. Sp. 19 N. R. 7 E.

Chairs

- Thence I run S.  $13^{\circ} 8' E.$  on a true line with Secs. 1 and 6  
 Va.  $14^{\circ} 15' E.$
- 3540 Set a malpais rock  $10 \times 10 \times 10$  ins.  
 7 ins. in the ground for  
 24 Sec. 1, 6. marked 14  
 on N. face.  
 From which a pile 16 ins. in  
 diam. br. S.  $45^{\circ} E.$  10 lbs. dist.  
 marked 14 S. B.T.
- a. pine tree 14 ins. in diam.  
 br. N.  $42^{\circ} W.$  10 lbs. dist. marked  
 14 S. B.T.
- 7240 Deep gulch 8 lbs. with Sec. 1, 6.
- 7540 Set a malpais rock  $10 \times 10 \times 6$  ins.  
 7 ins. in the ground for Sec.  
 to Secs. 1, 6, 7 and 12 marked with  
 1 notch on N. and 5 notches

J. and S. R. M.

Chains

on S. edge. From which  
 a fine tree 10 ins. in  
 diam. to. N.  $20^{\circ}$  E. 42 lbs.  
 dist. marked T. 19 N. R. 7 E.  
 S. 6 B. T. A fine tree  
 34 ins. in diam. to. S.  $30^{\circ}$  E. 58  
 lbs. dist. marked  
 T. 19 N. R. 7 E. S. 7 B. T.  
 A fine tree. 30 ins. in  
 diam. to. S.  $42^{\circ}$  W. 52 lbs.  
 dist. marked T. 19 N. R. 6 E.  
 S. 12 B. T. A fine tree  
 20 ins. in diam. to.  
 N.  $26^{\circ}$  W. 35 lbs. dist. marked  
 T. 19 N. R. 6 E. S. 1 B. T.  
 Turpentine rough  
 Soil 2nd. rate  
 Heavy pine timber

St. By. 74. 19 N. R. 7 E.

Chains

S. 30° 5' E. in a true line  
bet. Twp. 7 and 12

N. 140° 15' E.

25.00  
32.00

Descend into canon  
Bottom <sup>of canon</sup> 100 ft. cross creek 8 lks,  
width less. N. ascend

40.00

Set a walrus rock 16x10x4  
ins. 11 ins. in the ground for.  
14 Sec. Cor. marked 114  
on N. face from which  
a Spruce tree 20 ins. in diam.  
hs. N. 80° E. 80 lks. dist, marked  
114 S. B. T. a Fir tree 14 ins.  
in diam. hs. N. 65° W. 38 lks.  
dist marked 114 S. B. T.

51.00  
80.00

S. Bank of canon 110 ft. to E. W.  
Set a walrus rock  
12x10x8 ins. 8 ins. in



J. and S. R. M.

Chains

the ground for Co. to Sec.  
7, 12, 13 and 18 marked with  
2 notches on N, and 4 notches  
on S edges, from which a  
pine tree 16 ins. in diam. was

N. 6° E. 84 lbs. dit. marked  
T. 19 N. R. 7 E. S. 7, B. T.

An oak tree 4 ins. in  
diam. was S. 25° E. 29 lbs. dit.,  
marked T. 19 N. R. 7 E. S. 18

B. T. a pine tree 22 ins. in  
diam. was S. 40° N. 28 lbs.  
dit. marked T. 19 N.

R. 6 E. S. 13 B. T. a pine  
tree 14 ins. in diam. was

N. 16° N. 82 lbs. dit. marked  
T. 19 N. R. 6 E. S. 12 B. T.

Surface rough

169  
 N. By. 7<sup>h</sup>. 19 N. R. 7 E.

Soil 3<sup>rd</sup>. and 4<sup>th</sup>. sets  
 Good grass  
 Heavy pine timber  
Scattering fir and spruce

S.  $13^{\circ} 8' E.$  on a true line  
 bet. Secs. 19 and 18  
 Ta.  $14^{\circ} 15' E.$

40.00

Set a malpais rock  
 $10 \times 10 \times 8$  ins. 7 ins. in the  
 ground for. 114 Sec. Cor.  
 marked 114 on N. face.

From which a pine tree  
 7 ins. in diam. No.

S.  $26^{\circ} E.$  47 lks. dist. marked  
 114 S. B. T. A pine tree

18 ins. in diam. No.

S.  $38^{\circ} N.$  68 lks. dist.

J. and S. R. M.  
Chairs

marked "4 S. B. T.

Set a malpais rock  $12 \times 12 \times 4$  ins.  
9 ins. in the ground for  
Cor. to S. 13, 18, 19 and 24  
marked with 3 notches  
on N. and 3 notches on S,  
sq. From which an  
oak tree 10 ins. in diam. to.  
N.  $20^\circ$  E. 3 lbs. diet. marked.

N. 19 N. R. 7 E. S. 18 B. T.

A pine tree 30 ins. in diam. to.

S.  $88\frac{1}{2}^\circ$  E. 70 lbs. diet. marked

N. 19 N. R. 7 E. S. 19 B. T.

A pine tree 28 ins. in diam.

to. S.  $64^\circ$  W. 90 lbs. diet.

marked N. 19 N. R. 6 E. S. 24 B. T.

An oak tree 8 ins. in diam.

to. N.  $42^\circ$  W. 6 lbs. diet. marked



N. By. T. 19 S. R. 7 E.

Chain

T. 19 S. R. 6 E. S. 13 Q. 7.

Impure broken

Soil 4th rate

Heavy pine timber

Scattered oak.

---

S. 19° 5' E. on a true line

bet. Secs. 19 and 24

N. 14° 15' E.

4000

Set a walrus rock

10x10x6 ins. 7 ins. in the

ground for. 114 Sec. bet.

marked 114 on N. face.

From which a pine tree

94 ins. in diam. frs. N. 8° E.

2 1/2 lbs. dist.

marked 114 S. B. 7. a pine

tree 9 ins. in diam frs.

N. 56° N. 45 lbs. dist.

J. and S. A. M.  
 Davis

marked 14 S. B. T.

74.20 Road to N.E. and S.W.

2000 Set a malpais rock  $10 \times 8 \times 7$   
 ins. 7 ins. in the ground for  
 Cor. to Secs. 19, 24, 25 and 30  
 marked with 4 notches on  
 N. and 2 notches on S. edge.

From which a fine tree  
 24 ins. in diam. to  $N. 42^\circ E.$

143 lbs. dist. marked N. 19 N.

R. 7 E. S. 19 B. T. a fine tree

10 ins. in diam. to  $S. 60^\circ E.$

189 lbs. dist. marked N. 19 N.

R. 7 E. S. 30 B. T. a fine tree

11 ins. in diam. to  $S. 47^\circ W.$

96 lbs. dist. marked

N. 19 N. R. 6 E. S. 25 B. T.

a fine tree 21 ins. in diam.

N. By  $\frac{1}{2}$  19 N. A. 7 E.

Chairs

fs. N. 32° W. 91 lbs. dist.  
marked N. 19 N. A. 6 E. S.  
24 B.T.

Surface rolling

Soil 2nd and 3rd rate

Heavy pine timber

Good grass

S 13° 8' E. on a true  
line bet. Secs. 25 and 30  
Ta. 14° 15' E.

Enter grassy valley fs. N. S. S.

1450

Road fs. N. S. S.

4000

Set a stake 3 ft. long pins  
sp. with crushed stone  
12 ins. in the ground  
for 14 Sec. bet. marked  
1450 on N. face. dug



J. and S. R. M.  
Lamin

Pit 18x18x12 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.  
across around post.

5000

Lower Valley Co. N. & S.

8000

Set a walrus rock 22x10x6 ins  
8 ins. in the ground for  
lev. to S. 25, <sup>30</sup> 29, <sup>31</sup> 32 & 36  
marked with 4 notches on  
S. and 5 notches on  
N. edge. From which a  
pine tree 36 ins. in diam.  
No. N. 60° E. 8 lbs. dist.  
marked 7. 19 N. R. 7 E. S. <sup>30</sup> 29 B. 7.  
An oak tree 12 ins. in diam.  
No. S. 70° E. 65 lbs. dist  
marked 7. 19 N. R. 7 E.

H. Co. Tr. 19 N. R. 7 E.

Chains

S. <sup>31</sup> 22 B.T. a pine tree  
 25 ins. in diam. to S. 87° W.  
 67 lbs. det. marked T. 19 N.  
 R. 6 E. S. 36 B.T. a pine  
 tree 2 ins. in diam. to S.  
 N. 20° W. 92 lbs. det. marked  
 T. 19 N. R. 6 E. S. 25 B.T.

Insufficient  
 soil strata in valley or flat.

Good grass  
 Heavy pine timber scattering  
 oak and spruce 30 lbs. 50 lbs. none

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S. 13° 8' E. on a true line  
 bet. Secs 31 and 36.

To. 14° 15' E.

2150 Creek 4 lbs. wide to S.W.

2250 Trail to N.E. and S.W.

1283  
J. and S. P. M.

Chains

40.00 Set a malpais rock  
12x10x6 ins. 8 ins. in the  
ground for 114 Sec. Cor.  
marked 114 on N. face.  
From which a pine tree  
16 ins. in diam. to.  
S. 80° E. 42 lbs. dist. marked  
114 S. P. M. An oak tree  
12 ins. in diam. to. N. 30° W.  
14 lbs. dist. marked  
114 S. P. M.

78.50 Gulch 5 lbs. wide less 2 ft.  
80.00 The less to 7 ft. 18 and 19 N.  
Rs. 6 and 7 E.

Surface rough  
Soil 1st and 2nd. rate  
Good grass  
Heavy pine timber and  
Scattered oak.



H. By. H. 19 N. 2.7 E. 950 a.m.

Chains

I carefully examined the  
adjustments of my Solar  
Transit table particularly  
the latitude and reversing  
apparatus and found  
them correct.

March 28<sup>th</sup> 1885

1203 170  
H. Dy. Tps. 17 N. R. 6 E. J. and S.A.M.

Chains

From the Standard Cor. to Tps.  
17 N. Rs. 5 and 6 E. which is a  
sandstone 10x8 ins. marked with  
6 notches on N.E. and W. edges,  
firmly set and a mound  
of stone along side.

I run North bet. Secs. 31 and 36  
Ta.  $14^{\circ}15'E$

Over rough mountain

4000

Set a sandstone 12x10x6 ins.  
8 ins. in the ground for  
14 Sec. Cor. marked "4" on  
N. face and raised a mound  
of stone along side.

Pit impracticable

8000

Set a sandstone 16x8x5  
ins. 11 ins. in the ground  
for Cor. to Secs. 25, 30, 31 & 36

H. By. Tp. 17 N. R. 6 E.

Chairs

marked with 4 notches on S. and  
5 notches on N. edge. and  
said a mound of  
stone along side.

Pits unproductive

Surface mountainous

Soil 4th rate

Scattering cedar brush

North pt. Sec. 25 and 26

Ta. 14° 15' E.

Descending

10.00

Foot of mt. to E. & N. cross gulch  
12 lbs wide Sp. N. ascend

2800

Top of ridge 150 ft. Descend  
to E. and N.

4000

Set a sandstone 16x10x5 in.  
11 in. in the ground



J. and S. R. M.

Chains

for 14 Sec. loc. marked  
14 on N. face. and raised  
a mound of stone  
alongside. Pit impracticable

52.00

Foot of ridge 200 ft. to S.E. or N.W.  
cross gully 12th. wide to N.W.

8.00

Set a sand stone 15x9x7 ins. 10 ins.  
in the ground for loc. to  
Secs. 19, 24, 25. and 30 marked  
with 2 notches on S. and 4 notches  
on N. edges. and raised a  
mound of stone alongside.  
Pit impracticable

*Junco montanus*  
Soil 4th rate

Scattered cedar brush

H. Coy. Tp. 17 N. R. 6 E.

Chassis

North lot. Secs. 19 and 24

To.  $14^{\circ}15' E.$

Descending through dense  
cedar oak brush

4000 Set a sandstone  $16 \times 10 \times 4$  ins,  
11 ins. in the ground for  
114 S. Cor. marked 114 on  
N. face. and raised a mound  
of stone alongside,  
Pit impracticable

4200 Mark 6 lbs. wide. Co. N. N.

5100 Cross Oak creek 80 lbs. wide  
Co. S. N. ascend

8000 Set a sandstone  $14 \times 10 \times 4$  ins.  
9 ins. in the ground  
for. Cor. to Secs. 13, 18, 19  
and 24 marked with  
3 notches on S. and 3

J. and J. R. M.  
 Chain

notches on N. edge, and  
 raised a mound of  
 stone alongside.

Pit impracticable

Surface mountainous  
 Soil 1st. and 4th. rate

Dense oak and other brush

---

North vet. Sec. 13 and 15

No. 14 & 15 E.

Ascending steep mountain

10.00 Gulch 16. lks. wide Co. S.E.

31.00 Gulch 20 lks. wide Co. S.E.

40.00 Set a sandstone 16x10x4 ins. 11

ins. in the ground for 14 Sec.

Com marked 14 on N. face.

and raised a mound  
 of stone alongside



182  
 N. By. N. 17 N. R. 6 E.

Chains

- Pit impracticable
- 45.20 Top of mountain  $20\frac{1}{2}$  ft. h. E. and S.W. Descend
- 8000 Hit a sandstone,  $12 \times 12 \times 15$  ins. 8 ins. in the ground for less. to Sec. 7, 12, 13 and 18 marked with 4 notches on S. and 2 notches on N. edge, and raised a mound of stone alongside.
- Pit impracticable
- From which a cellar two 12 ins. in diam. to, N.  $4^{\circ}$  E. 20 lbs. dist. marked N. 17 N. R. 6 E. S. 7 B. 7.
- A depression two 4 ins. in diam. to, S.  $4^{\circ}$  E. 31 lbs. dist.

J and S. R. M.

Chain

Marked 7.17 N. R. 6 E, S 18 37

No other trees within limits

Surface mountainous

Soil Ind. rate

Dense cedar brush

North set. Sec 7 and 12

Twp. 14 0 15 E.

Descending

- 920 Road W. E. and S. N.
- 13.60 Foot of ridge to E. S. N. 250 ft. cross  
gully 100 yds wide to N. E.
- ascend along E. slope of ridge
- 16.00 Top 75 ft. to E. S. N. descend
- 24.00 Foot 60 ft. to E. S. N. cross gully  
160 yds. wide to E. ascend
- 30.00 Top of spur 50 ft. projects E. descend
- 34.00 Foot of spur 50 ft. to E. S. N. ascend

St. By. N. 17 N. 26 E.

Chains

- 39.00 Top of spur 50 ft. projects E. descend.
- 40.00 Set a sandstone  $14 \times 12 \times 8$  ins. 9  
ins. in the ground for  
14 Sec. Cor. marked "14" on  
N. face. From which a pinon  
tree 12 ins. in diam. to S. 26° E.  
42 lbs. dirt. marked "4 S. S. T."  
A pinon tree 6 ins. in diam. to  
N. 40° W. 73 lbs. dirt. marked "40 S. T."
- 59.90 Dup gubb 5 lbs. with to. S.E.  
Foot of spur 60 ft. to. E. W.  
ascend gradually
- 80.00 Set a sandstone  $16 \times 8 \times 5$  ins  
11 ins. in the ground  
for Cor. to Secs. 1, 6, 7 and 12  
marked with 5 notches  
on S. and 1 notch on  
N. edges. and raised



J. and S. R. M.

Chains

a mound of stone  
alongside. Oak impracticable  
From which a pine tree 10 ins.  
in diam. to. S. 87° E. 63 lbs.

dist. marked N. 17 N. R. 6 E. S. 7 S. N.

a pine tree 12 ins. in diam. to.

S. 88° W. 18 lbs. dist. marked

N. 17 N. R. 5 E. S. 12 S. N.

No other trees within limits

Surface mountainous

Soil 3rd. rate

Dense oak cedar and  
magnolia undergrowth  
Scattering cedar and pine trees.

North Mt. Dec. 1 and 6

Ya. 14° 15' E.

Accounting

181  
H. B. N. 17 N. R. 6 E.

Chains

- 39.00 Top of spur 50 ft. projects S.W.
- 40.00 Set a sandstone 15x10x6 ins  
10 ins in the ground  
for "4 Sec. Cor. marked  
"4 m. N. face. From which  
a pine tree 10 ins. in  
diam. to N. 27° E. 40 lbs.  
dist. marked "4 S. B. T.
- a pine tree 8 ins. in diam.  
to S. 2° N. 24 lbs. dist.  
marked "4 S. B. T.
- 60.00 July 20 lbs. with Co. S.W. ascend
- 75.20 Foot of an isolated sandstone  
Butte about 400 ft. high  
inaccessible on all sides.  
Set a sandstone 14x10x6 ins  
9 ins. in the ground  
for Station corner to

G. and J. R. M.  
Chicoro

Nos. 17 and 18 N. Rs. 5 and 6 E.  
marked N.C. with 6 notches  
on each edge. and raised  
a mound of straw alongside  
Pits impracticable

Surface mountainous

Int. Ind. note

Dense cedar, pine, and  
mangrove brush

I carefully rechecked the  
adjustments of my  
Solar Transit to-day particularly  
the latitude and repressing  
apparatus and found  
them correct.

March 31st 1885



N. By. Tps. 17 N. R. 6 E.

Chains

From the Return corner to Tps.  
 17 and 18 N. R. 5 and 6 E. first  
 established by me. I run  
 E on a random line  $\gamma_a. 140^{\circ}15' E.$   
 making the necessary offsets to  
 regain the line. and at  
 479 ch. arrive at a point  
 240 links N. of the cor.  
 to Tps. 17 and 18 N. R. 6 and 7  
 E. recently established by me.  
 Thence I run  $N. 89^{\circ}40' W.$   
 on a true line bet.  
 Secs. 1 and 36

$\gamma_a. 140^{\circ}15' E.$

Over rolling and broken mesa

4000  
 Set a maffais rock  
 12 x 10 x 6 ins. 8 ins. in the  
 ground for 14 sec. cor.

J. and S. R.M.

Chains

marked 114 on N. face.

From which a Juniper <sup>tree</sup> 30 ins.  
in diam. to. N.  $56^{\circ}$  E. 44 lbs.  
dwt. marked 114 S. B.T.

A Juniper tree 14 ins. in diam. to.  
N.  $72^{\circ}$  W. 41 lbs. dwt. marked  
114 S. B.T.

8000

Set a melpais rock  $14 \times 8 \times 6$  ins.  
9 ins. in the ground for Cor.  
to Secs 1, 2, 35 and 36 marked  
with 1 notch on E. and 5 notches on  
N. edge, and raised a  
windard of stone along side.  
Dib impracticable

From which a Juniper tree  
12 ins. in diam. to. S.  $65^{\circ}$  E.  
92 lbs. dwt. marked  
P. 17 N. R. 6 E. S. 1 B.T.

N. by. W. 17 N. R. 6 E.

Chains

No other trees within limits  
 Surface rough mesa  
 Soil 3rd. rate  
 Good grain  
Heavy pine and Juniper timber

N. 89° 45' W. on a true line  
 1st. Sec. 2 and 25

W. 74° 15' E.

40.00

Set a malpais rock 16x10x8 ins.  
 11 ins. in the ground for  
 1/4 Sec. 20. marked 1/4 on  
 N. face, 75 rods which a  
 Juniper <sup>tree</sup> 20 ins. in diam. 1/8  
 S. 40° W. 65 lbs. dist. marked  
 1/4 S. B. T. a Juniper tree  
 14 ins. in diam. 1/8  
 N. 42° W. 132 lbs. dist.



J. and E. R. M.

Chains

marked "S. B. T."

51.00 Edge of moquette mesa to N. W. S.  
and descend steep side.

76.50 Joked 20 lbs with W. S. H. map  
70' 10' 20'  
30' 40' 50'  
then along a S. slope of same mesa

80.00 Set a sulphur rock 10x10x6 ins.

7 ins. in the ground for,  
Sec. to Sec. 2, 3, 34 and 35

marked with 2 notches on E.  
and 4 notches on N. edges  
and raised a mound

of stone along side,  
Pit - impracticable

Surface mountains 29 lbs.

rough. 51 lbs.

Soil 4th set

Dune bank 29 lbs.

Scattering timber 51 lbs

---

N. By. Th. 17 N. A. 6 E.

Chains

$N 87^{\circ} 43' W.$  on a true  
line pt. Sec. 3 and 34

To  $14^{\circ} 15' E.$

Along E. slope of rocky mesa

40.00

Set a sandstone  $18 \times 10 \times 6$  ins. 12  
ins. in the ground for "4

In. Cen. marked "4" on N. face  
and raised a mound of stone  
along side. Pk. impracticable.

54.00

Rocky gull 20 lbs. wide to N. N.

66.00

gull 15 lbs. wide to N. N.

80.00

a sandstone rock  $10 \times 10 \times 10$  ft  
above ground which I  
marked with a cross  
(+) at exact cen. point and  
a 3 notches E. and 3 notches  
N. of base. and raised  
a mound of stone alongside

Grand S. R. M.  
Chamo

Out unpract cable  
Surface mountainous  
Soil none, all rocks  
No timber

---

N.  $99^{\circ}43'N$ . on a true line  
bet. Sec. 4 and 33  
Ta.  $14^{\circ}15'E$ .

Descend to Oak creek

- 31.00 Left Bank Oak creek loc. 3  
1000 ft below top of mesa
- 32.00 Right bank Oak creek loc. 5. ascend
- 40.00 Get a sandstone  $18 \times 12 \times 4$   
ins. 12 ins. in the ground  
for 114 Sec. loc. marked  
114 on N. face. and raised  
a mound of stone alongside.
- 68.00 Top of ridge to S.W.  
and S.E. 1200 ft Descend.



N. by N. 17 N. R. 6 E.

Chains

73.50 Foot of ridge 100 ft. W. NW. 80 E.  
Gully 100 ft. wide W. of E.

8000 Set a sandstone rock 15 x 18 x  
5 ins. 10 ins. in the ground  
for lev. to Secs. 45, 32 and 33  
marked with 4 notches  
on E. and 2 notches on  
N. edges, and raised  
a mound of stone  
along side.

Obs. Vampenticata

Surface mountainous

Soil 4th rate

Dense oak and cedar brush

---

N. 89° 43' W. on a  
true line bet. Secs.  
5 and 32

J. and G. R. M.

Chains

Va. 14° 15' E.

6.00 Foot of sandstone bluff perpendicular  
offset 35 lbs. S. ~~Other~~ contains  
only 89° 43' N.

64.00 Offset 35 lbs. N. to line

80.00 Set a sand stone 16x12x10 ins  
11 ins. in the ground for  
lev. to Secs. 5, 6, 31 and 32  
marked with 5 notches  
on E. and 1 notch on W.  
edges. and raised a  
mound of stone  
alongside. Put impunctate  
Sagad mountainous  
Soil 3rd rate  
Dense cedar brush

---

191  
 N. By. Tps. 17 N. R. 6 E.

Chain

N.  $89^{\circ}43'N$ . on a true  
 line bet. Sec. 6 and 8 /  
 Ta. 140 15' E.

1100 Gulch 6 lbs. wide to. S.E.

38.00 Gulch 12 lbs. wide. to. S.E.

4000 Set a sandstone  $14 \times 11 \times 4$   
 ins. 9 ins. in the ground  
 for 114 Sec. Cor. marked  
 114 on N. face, and  
 raised a mound of  
 stone along side.

Part impracticable

48.00 Gulch 10 lbs. wide to. S.E.

53.00 Trail to. N.W. and S.E.

75.00 Foot of mt. Offset 480 Chs.  
 S, thence N.  $89^{\circ}43'N$ .

79.00 The witness cor. to Tps. 17 and 18  
 N. Rs. 5 and 6 E.



G. and S. R. M.

Chairs

Surface mountains  
Soil Erod rate

Dwarf cedars brush  
Scattering pine trees

I carefully examined the  
adjustments of my Solar  
Transit to-day particularly  
the latitude and meridian  
apparatus and found  
them correct.

April 1st. 1885

N. By. Tps. 18 N. R. 6 E.

Chains

From the western corner to  
Tps. 17 and 18 N. Rs. 5 and 6 E.  
recently established by me.

44.80

I offset 10 chs. E. thence North  
offset 10 chs. West to line, and  
set a sandstone rock  $14 \times 11 \times 6$   
ins. 9 ins. in the ground  
for "4 Sec. Corn. marked  
"4 on N. face, and raised a  
mound of stone alongside  
ditto impracticable

From which a Juniper  
tree 14 ins. in diam.  
brs. N.  $36^\circ$  E. 46 lbs. dist.  
marked "4 S. B. T.

No other trees within limits  
ascend and leave fresh

46.80

Trail brs. N N, and E E.

J. and J. R. M.

Chains

- 50.20 Top of mesa 105 ft
- 67.90 Descend from mesa through  
dense cedar brush
- 84.70 Guleh 10 lbs. voids to N.
- 84.80 Set a sandstone 18x12x4 ins.  
12 ins. in the ground for.  
Co. to Sec. 25, 30, 31 and 36  
marked with 1 notch on  
S. and 5 notches on N.  
edge, and raised a  
ground of stone alongside  
Pib impracticable  
From which a cedar 5 ins.  
in diam. to S. 26° W.  
44 lbs dist. marked T. 18 N.  
R. 5 E. S. 36 Q. T.
- No other trees within limits  
Surface mountainous



N. By Tp. 18 N. R. 6 E.

Chains

Soil 2<sup>nd</sup> and 3<sup>rd</sup> rate  
 Dune cedar brush  
 67 Chains. 17<sup>80</sup> lbs. none

North set. Dec. 25 and 30  
 Va. 14° 15' E.

Ascend

- 21.00 Box canon 200 ft. deep corner  
 N. offset 7 Chs. E. thence North
- 22.00 Offset back to line, on N.  
 side of canon
- 40.00 Set a Sandstone 12x12x6 ins. 8 ins.  
 in the ground for 114  
 in. low. marked 114 on  
 N. face. From which a  
 Cedar tree 3 ins. in diam.  
 brs. N. 15° E. 11 lbs. dist.  
 marked 114 S. of

G. and S. R. W.

Chains

A cedar tree 4 ins. in diam.  
 Ws. S. 35° W. 11 lbs. dist.  
 marked 44 S. 30° W.

Continue to ascend

55.00

Top <sup>50ft</sup> of mt. spur projects W.  
 Descend

61.00

Foot of spur 40ft Ws. E. 8° W.

Cross gulch 20 lbs. wide W.

76.00

Cross gulch 20 lbs wide S W, ascend

80.00

Hit a mafic rock 12x10x6 ins.  
 8 ins. in the ground for.

Len. to Secs. 19, 24, 25 and 30

marked with 2 notches

on S. and 4 notches on

N. edge, and raised a

number of staves alongside.

Pit impracticable

Surface mountainous

N. By. Pt. 18 N. R. 6 E.

Chairs

Soil 3rd rate  
Dense brush almost  
impenetrable

North pt. Secs. 19 and 24  
Ta.  $14^{\circ} 15' E.$

As the line 6 chs. N. of this  
point reaches the foot  
of an inaccessible mountain  
I offset 40 chs. N. and  
run ~~North~~ 3 miles and 22 chs.  
I then offset 40 chs. E. to line  
and run North pt  
secs. 1 and 6

Ta.  $14^{\circ} 15' E.$

1900

Got a limestone  $12 \times 10 \times 6$  ins.  
3 ins. in the ground  
for 14 sec. Sec. marked



G. and J. R. M.

## Chains

1/4 mi N. fall, and raised  
a mound of stone  
alongside.

~~It is~~ impracticable

From which a pine tree 4 ins  
in diam. No. N. 62° N. 57 lbs.  
dist. marked 1/4 S. P. N.

No other trees within limits

- 19.00 S edge of cañon to N.  
24.00 <sup>of cañon</sup> ~~Bottom~~ 400ft deep to N. around  
29.00 Leave cañon  
58.00 Got a sand stone 16 x 12 x 8 ins  
11 ins. in the ground for  
Cor. to 7 ps. 18 and 19 N.  
Ro. 5 and 6 C. marked  
with 6 notches on each  
edge. From which a  
Pine tree 14 ins. in diam.

N. By. Th. 18 N. R. 6 E.

Chairs

hrs. N. 45° E. 44 lbs. diet.  
marked T. 19 N. R. 6 E.

S. 31 B.T. a pine tree 7  
ins. in diam. hrs. S. 3° E  
23 lbs. diet. marked  
T. 18 N. R. 6 E. S. 6 B.T.

a pine tree 12 ins. in diam.  
hrs. S. 60° W. 77 lbs. diet.  
marked T. 18 N. R. 5 E.

S. 1 B.T. a pine tree  
16 ins. in diam. hrs.  
N. 52° W. 57 lbs. diet.  
marked T. 19 N. R. 5 E.

S. 36 B.T.

Surface mountainous  
Soil 4th rate  
Dense cedar and  
oak brush

G. and S. R. M.

Chicago

I carefully examined  
the adjustments of my  
Solar Transit to day  
particularly the latitude  
and reversing apparatus  
and found them  
correct.

April 3rd. 1905



N. By. 7<sup>h</sup>. 18 N. R. 6 E.

Chains

From the Cor. to 7<sup>h</sup>s.  
18 and 19 N. Rs. 5 and 6  
E. just established by me.  
I run East on a  
random line with a  
variation of  $14^{\circ}15' E.$   
Setting temporary  $\frac{1}{4}$  and  
3<sup>rd</sup> Cor. at each 40 and 80  
Chs. and at 478.80 Chs.  
Arrive at a point 160  
Chs. S. of the Cor. to 7<sup>h</sup>s.  
18 and 19 N. Rs. 6 and 7 E.  
recently established by me  
Thence I run S.  $89^{\circ}49' N.$   
on a true line  
set Secs. 1 and 36  
To.  $14^{\circ}15' E.$   
Descend

(Reestablished by C. P. Candler, Dec. 1900, Cont 67)

J. and S. R. M.

Chaus

- 1900 Road to N. N. and S. E.
- 2400 creek 6 lbs. wide to S. E. ascend
- 3000 Road to N. N. and S. E.
- 4000 Set a malpais rock  
12 x 10 x 5 in. 8 ins. in the  
ground for 114 S. B. T.  
marked 14 on N. face  
From which a pine  
tree 12 ins. in diam. to  
S. 48° N. 23 lbs. dist.  
marked 114 S. B. T.
- A pine tree 11 ins. in diam.  
to N. 50° N. 11 lbs. dist.  
marked 114 S. B. T.
- 4900 Top of rocky ridge 150 ft.  
to N. 85. descend  
gradually over rocky country
- 7000 Set a malpais rock

N. By. 7/2. 18 N. R. 6 E.

Chains

16x10x4 ins. 11 ins. in  
 the ground for less.  
 to Decs. 1, 2, 30 and 36  
 marked with 1 notch on  
 E. and 5 notches on N.  
 edges. From which a  
 pine tree 14 ins. in  
 diam. brs. N. 60° E. 171  
 lbs. dist. marked  
 T. 19 N. R. 6 E. S. 36 B.T.  
 A pine tree 14 ins. in  
 diam. brs. S. 86° <sup>E</sup> 105 lbs.  
 dist. marked T. 18 N. R. 6 E.  
 S. 1 B.T. a pine tree 12  
 ins. in diam. brs. S. 47° N.  
 185 lbs. dist. marked  
 T. 18 N. R. 6 E. S. 2 B.T.  
 A pine tree 7 ins. in diam.  
 brs. N. 48° N. 96 lbs. dist.



J. and S. R. M.  
Davis

marked T, 19 N. R. 6 E.

S. 35-37.

Surface broken mesa

Soil 1st and 3rd rate

good grass

Heavy pine timber

S. 89°49' N. on a true line

Set. Dec. 2 and 30

To. 14°15' E.

4000

Set a malpais rock  
16 X 12 X 5 ins. 11 ins.  
in the ground for 1/4  
sec. Cor. marked 1/4  
on N. face.

From which a pine  
tree 16 ins. in diam.  
to. S. 2° E. 64 lbs. dist  
marked 1/4 S. R. T.

No. By. No. 18 N. R. 6 E.

Chains

A pine tree 12 ins in  
diam. to. N. 30° W. 74 lbs.  
dist. marked 44 S. B.T.

8000

Set a maffis rock  
16 x 12 x 4 ins. 11 ins. in the  
ground for. Cor. to  
S. 2. 3. 94 and 35 marked  
with 2 notches on E.  
and 4 notches on N.  
edges. and around  
a round of stone  
alongside.

Pit impracticable  
from which a  
pine tree 16 ins. in diam.  
to. N. 60° E. 59 lbs. dist.  
marked 7. 19 N. R. 6 E. S. 35  
B.T. a pine tree 12 ins. in

G. and S. R. M.

anis

diam. to,  $S. 56^{\circ} E.$ , 90 lbs.

diam. marked  $N. 18^{\circ} N.$

R. 6 E. S. 2 B. T.

A pine tree 14 ins. in diam.

to,  $S. 40^{\circ} N.$ , 124 lbs. diam.

marked  $N. 18^{\circ} N.$ , R. 6 E.

S. 3 B. T. No other trees N.

within limits

Surface broken

Soil 3rd rate

Good grass

Heavy pine timber

$S. 89^{\circ} 49' N.$  on a true  
line bet. Dec. 3<sup>rd</sup> and 34

$N. 14^{\circ} 15' E.$

000 Set a malpais rock  
18 x 10 x 6 ins. 12 ins. in



A. By T<sup>h</sup>. 18 N. R. 6 E.

Rains

the ground for 44 Sec. Cor  
marked "4 on N; full  
From which a fine tree  
17 ins. in diam. W.

S. 87° E. 101 lbs. dist.  
marked "4 J. B. T.

A fine tree 16 ins. in  
diam. W. N. 6° W. 139  
lbs. dist. marked "4.5. B. T.

8000

Set a malpais rock  
16 x 12 x 5 ins 11 ins. in the  
ground for Cor. to  
Secs. 3, 4, 33 and 34 marked  
with 3 notches on E,  
and 3 notches on W.  
edges. From which a  
fine tree 20 ins. in diam.  
W. N. 100° E. 130 lbs. dist.

J. and S. R. M

No. 1285

marked T. 19 N. R. 6 E. S. 34  
B.T. a pine tree 22 ins. in  
diam. to. S.  $8^{\circ}$  E. 112 lbs. dist.  
marked T. 18 N. R. 6 E.

S. 3 B.T. a pine tree  
13 ins. in diam. to. S.  $6^{\circ}$  N.  
100 lbs. dist. marked T. 18 N.

R. 6 E. S. 4 B.T. a pine tree  
18 ins. in diam. to. N.  $68^{\circ}$  W.  
37 lbs. dist. marked T. 19 N.

R. 6 E. S. 33 B.T.

Surface slopes gently to the west  
Soil 2nd rate

Good grass  
Heavy pine timber

S.  $89^{\circ} 49'$  W. on a true  
line to. Secs. 4 and 33

To.  $14^{\circ} 15'$  E.

M. Ry. Tr. 18 N. R. 6 E.

Chains

25.00

Descend gently  
East bluff of the West  
Branch of Oak creek  
cañon Ho. I. cañon <sup>deep</sup> 1800 ft  
Being impossible to chain  
across the cañon I measure  
a base of 18 ch. at right  
angles to the line this gives  
to a point at the opposite side of the cañon on the line  
an angle of  $78^{\circ} 12'$

$$18 \text{ ch.} \times \cot \text{ ang. } 78^{\circ} 12' = 86.16 \text{ ch.}$$

Therefore I will measure  $86.16 + 59 =$

4.11 1/2 ft. 31.16 ch. ~~from the line~~  
Set Sec. 5 add 32.

79. 140 15' E.

40.00

Set a limestone 16x10x6  
in. 11 in. in the  
ground for 114 Sec.  
Cor. marked 114 on



G. and B. R. M.

chain

N. face. From which a  
 pine tree 10 ins. in diam. to  
 S. 39° E. 46 lbs. dist, marked  
 14 S. D. T. a pine tree 14 ins. in  
 diam. to S. 40° N. 28 lbs. dist.  
 marked 14 S. D. T.

6.00 Gulch 10 lbs. wide to N. E.

3.00 Top of bluff to N. S. about  
 over level mesa

5.00 Set a sand stone 14x10x4 ins.

9 ins. in the ground  
 for ten. to S. E. 5, 6, 21  
 and 32 marked with 5  
 notches on C, and 1 notch  
 on N. edge.

From which a pine  
 tree 24 ins. in diam.  
 to N. 5° E. 46 lbs. dist.

N. Ry. Tp. 18 N. R. 6 E.

Chains

marked T. 19 N. R. 6 E.

S. 32 B.T. a pine tree  
31 ins. in diam. fs.

S. 87° E. 24 lbs. dist.

marked T. 18 N. R. 6 E.

S. 5 B.T. a pine tree  
30 ins. in diam. fs.

S. 50° N. 120 lbs. dist.

marked T. 18 N. R. 6 E.

S. 6 B.T. a pine tree  
28 ins. in diam. fs.

N. 60° N. 59 lbs. dist.

marked T. 19 N. R. 6 E.

S. 31 B.T.

Swamp rolling and mountains  
Soil 3rd and 4th rate

Good grain  
Heavy pine timber

J. and J. R. M.  
Canoes

<sup>near the line</sup>  
J. 99° 49' N. Set. Secs. 6 and 31  
T<sub>2</sub>. 14° 15' E.

Over mesa

- 40.00 Set a sandstone 16x14x5 ins.  
11 ins. in the ground for  
14 Sec. l<sub>1</sub> marked 1/2 in  
N. face. From which a  
fine tree 10 ins. in diam. tr.  
A. 3 1/2° E. 20 lbs. dirt marked  
1/4 S. O. T. a fine tree  
15 ins. in diam. tr. J. 1 1/2° N.  
38 lbs. dirt. marked 1/4 S. O. T.

- 45.00 Descend into cañon  
56.00 Bottom of cañon 150 ft cross  
creek 8 lbs. with Sec. N<sub>1</sub>.  
Ascend

- 73.00 Leave cañon 140 Sec N<sub>1</sub>.  
78.80 - The l<sub>1</sub> to T<sub>2</sub>. 18 and 19  
N. R. 5 and 6 E.



2nd 7  
 N. Ry. Tr. 18 N. R. 6 E.

Chains

Surface rolling and mountain  
 soil 4th rate good grass  
 Heavy pine timber

I carefully examined  
 the adjustments of  
 my Solar Transit to-  
 day particularly the  
 latitude and reversing  
 apparatus and found  
 them correct.

April 6<sup>th</sup> 1885

N. By. Tps. 19 N. R. 6 E.

Chams

From the cor. to Tps. 18 and 19 N. R. 6  
S and 6 E. recently established  
by me, I run N with dit  
Secs. 31 and 36

79.  $14^{\circ}15'E.$

Through heavy timber of pine

4000

Dit 6 0 and str.  $10 \times 10 \times 8$  ins. 7  
ins. in the ground for  
114 Sec. Cor. marked 114 on  
N. face From which a  
pin tree 20 ins. in diam.  
br. N.  $4^{\circ}12'E.$  48 lbs. dist.  
marked 114 S. B.T.

A pin tree 8 ins. in diam.  
br. N.  $20^{\circ}N.$  33 lbs. dist.  
marked 114 S. B.T.

47.00 Edge of impassible canon  
Cor. E. the line runs

H. Ry. 7p. 19 N. R. 6 E.  
9 and S. R. M.

Chains

across the point where  
this cañon joins the  
main Oak creek cañon  
it is utterly impossible  
to proceed with the  
line.

Surface rough  
Soil red. salt  
Heavy pine timber

April 6th 1885



N. Coy. Tps. 17 N. R. 5 E.

## Chains

# From the Standard Cor.  
to Tps. 17 N. R. 4 and 5  
E. which is a malpais  
rock 12214x6 ins. marked  
with 6 notches on  
each edge and a  
mound of stone alongside  
I run North set.

Secs. 31 and 36

Ta.  $14^{\circ}15' E.$

Descend gradually along  
E. slope of malpais mt.

3600 Foot of mt. to E. & N. cross  
gubh 10 lbs wide. Co. E.  
250 ft.

3700 Gubh 20 lbs. wide Co. S.E.

Trail in gubh ascend

4000 Set a malpais rock

N. By. 7/2. 17 N. R. 5 E.

Chains

14x10x6 ins. 9 ins. in  
the ground for 14  
Sec. Cor. marked

114 on N. face and raised  
a mound of stone  
along side. Pit imperceptible

80.00

Set a malpais rock  
10x10x8 ins. 7 ins. in the  
ground for Cor. to Secs.  
25. 30. 31 and 36 marked

with 1 notch on S,  
and 5 notches on N.

edge. and raised a  
mound of stone along side.

Pit imperceptible  
Surface mountainous  
Set 3rd. rate.

Scattered juniper and cedar

G. and S. R. M.  
 Harris

North pt. Dec. 25 and 30  
 Va. 14° 15' E.

Ascend

4.00 Top of mt. 220 ft. to N.W.  
 and S.E. Descend gradually

4.00.00 Get a soapstone rock  
 10 x 10 x 10 ins. 7 ins. in the  
 ground for 114 Dec. Cor.  
 marked 114 on N. face  
 and raised a mound  
 of stone alongside.  
 Pib. impracticable

53.00 Foot of mt. 120 ft. to E. or N.

53.30 Trail to E. and N. ascend

8.00.00 Get a soapstone rock 12 x 8 x 8  
 ins. 8 ins. in the ground  
 for Cor. to Dec. 19, 24, 25 and 30  
 marked with 2 notches on S.



N. By. H. 17 N. R. 5 E.

Chavis

and 4 notches on N. edge  
 and raised a mound  
 of stone alongside  
 Pit impracticable  
 Surface mountainous  
 Soil 2d. rate  
 Scattering Cedars, Juniper  
 and Piñon  
 Some grass

---

North Mt. Dec. 19 and 24  
 Ya. 14° 15' E.

Ascend

7.00 Top of mt. fr. E. to N.

8<sup>0</sup> Descend

10.00 Descend into Dry creek  
 cañon to S.E.

18.00 Bottom of cañon to S.E. 90 ft

20.00 Enter creek bed to S.E.

J. and S. R. M.  
Davis

- 24.00 Leave creek bed to S. & ascend  
48.00 Set a sandstone  $12 \times 8 \times 8$  ins.  
8 ins. in the ground for  
114 Sec. cor. marked 114 on  
N. face. and raised a  
mound of stone alongside  
Pit impracticable.
- 45.00 Gulch 15 lbs. wide cor. S.E.  
45.20 Trail to S. N. & S.E. ascend  
55.00 Top of ridge 40 ft. ~~to~~ E. & N.  
Descend
- 77.00 Foot to S. N. & S.E. <sup>40 ft</sup> cross gulch  
10 lbs. wide cor. S.E. ascend
- 80.00 Set a sandstone  $12 \times 10 \times 5$   
ins. 8 ins. in the ground  
for Cor to Secs. 13, 18, 19  
and 24 marked with  
3 notches on N. and 3

H. Bay. T<sub>p</sub>. 17 N. R. 5 E.

Chassis

notches on E. edge,  
and raised a mound  
of stone alongside.  
Pit impracticable  
Surface mountainous  
Soil 3rd rate  
Some grass  
Scattering cedar and  
Pine trees

---

North Mt. Elev. 13 and 18  
Ta. 14° 10' E.

Ascending

300

Top of ridge to. N.W. 50 E.

5<sup>±</sup>0 ft. descend gradually

31,75

Road to. E. 5 N.

39,75

Mark 20 lbs wide Co. S. E.

4000

Set a sand stone 16 X 10 X 4



9 and 10 A.M.  
Caves

11 ins. in the ground  
for 114 Sec. Cor marked  
114 on N. face, and  
raised a mound of  
stones alongside,

Pit impracticable

From which a cedar  
tree 14 ins. in diam. to  
S. 47° E. 20 lbs dist. marked  
114 S. B.T. No other trees  
within limit. ascended

65.00

Descend into cañon

72.00

Bottom of cañon 85 ft. Cor. S.N.  
ascend

79.00

Leave cañon Co. S.N. 85 ft.

80.00

Set a sandstone 12 x 10 x 8  
ins. 8 ins. in the ground  
for Cor. to Sec. 7, 12, 13

22.9.35

N. Ry. Twp. 17 N. R. 5 E.

Chavis

and 18 marked with  
4 notches on S. and 2 notches  
on N. edges. and raised  
a mound of stone  
alongside. Pit's impracticable  
Surface mountainous  
Soil 3rd. rate

Scattering pine cedar and  
Juniper. Oak undergrowth

N. lat. Twp. 7 and 12  
Va. 14° 15' E.

Over broken country

28.00

Descend into canon

31.00

Bottom of canon 50 ft. Co. 5 N.  
ascend

34.00

Leave canon Co. 5 N. 50 ft.

40.00

Set a sandstone 17x12x5

J. and J. R. M.

Chairs

ins. 11 ins. in the  
ground for 114 In. Cor.  
marked 114 on N. face,  
and raised a mound  
of stone alongside.

Pit impracticable  
thru over rolling country

68.00 Deep gully 30 lbs. wide  
Cor. J. N.

8.00 Set a sandstone 18x12x5  
ins. 12 ins. in the ground  
for Cor. to Secs. 1, 6, 7 and 12  
marked with 5 notches  
on S. and 1 notch on  
N. edge. and raised  
a mound of stone  
alongside.

Pit impracticable



N. By. T. 17 N. R. 5 E.

Chains

Surface rolling and broken  
Soil low rate  
Hair grass  
Scattering cedar, juniper  
and pine

North of Sec. 1 and 6

Ta. 14° 15' E

12.00	Over rolling country
27.00	Wash 20 lbs. wide. Co. E.
40.00	Waym road to E. & W.
	Set a sand stone 12x10x5 in.
	8 in. in the ground
	for 114 Sec. lev.
	marked 114 on N. face
	and raised a mound
	of stone alongside.
	Pile impracticable

J. and J. R. M.  
 G. Davis

6550 Road to E. and St.  
 8000 Set a sandstone  $14\frac{1}{2} \times 4$   
 ins. 9 ins. in the ground  
 for Cor. to 7 ps. 17 and 18  
 N. R. 4 and 5 E, marked  
 with 6 notches on each  
 edge and raised a  
 mound of stone alongside  
 Pit impracticable  
 From which a fusion took  
 6 ins. in diam. to,  
 N. 35° N. 50 lbs. diet.  
 marked T. 18 N. R. 4 E,  
 S. 36 B.T. No other  
 trees within limits  
 Surface rolling  
 Soil 2nd rate.  
 Good grass  
 Dense oak juniper and pine

233  
M. By. 7/17 N. R. 5 E.

Chans

I carefully examined  
the adjustments of my  
Solar Transit to-day  
particularly the latitude  
and leveling apparatus  
and found them  
correct.

April 7th 1885

#



N. Co. Tps. 17 N. R. 5 E.

Chains

From the Cor. to Tps. 17 and 18  
N. Rs. 4 and 5 E. just estab-  
lished by me, I run East  
on a random line Variation  
 $14^{\circ}15' E.$  setting temporary  
114 and set Cor. at rock  
40 and 80 Chs. and at  
479.20 Chains, arrive at  
a point 210 Chs. S. of the  
Cor. to Tps. 17 and 18 N.  
Rs. 5 and 6 E. recently established  
by me making due offsets  
as given for true line.

Then from the N.C. to Tps.  
17 and 18 N. Rs. 5 & 6 E. I run  
 $S. 89^{\circ}45' W.$  on a true line  
Offset 480 Chs. N. to line and  
set a sand stone  $16 \times 10 \times 5$  ins.

4000

235

N. By Tp. 17 N. R. 5 E.

Chains

11 ins. in the ground for  
114 ch. Cor. marked  
14 on N. face.  
and raised a mound  
of stone alongside,  
Pit impracticable

43.00

Sub 10 ch. wide to S.E.

55.00

Foot of perpendicular mt.  
to A. and B. Offset  
40 ch. B. thence continue  
on course

80.00

Continue on same course,

120.00

" " " "

160.00

" " " "

200.00

Offset 40 chains N. to  
line and set a  
Sandstone 18x14x12 ins.  
12 ins. in the ground

J. and S. R. M.  
 Chassis

for 114 Sec. 40. marked  
 114 Sec. N. face,  
 From which a cedar 10  
 ins. in diam. 48.

S. 60° E. 8 lbs. dist. marked  
 114 S. B. T. a cedar 12  
 ins. in diam. 68.

S. 50° W. 10 lbs. dist.  
 marked 114 S. B. T.

Then I continue S. 89° 45' W. on  
 a true line. Mt. Secs. 3 and 34

4200 Set a sand stone <sup>10x14x158</sup> 16x10x15 ins.  
 11 ins. in the ground  
 for Cor to Sec <sup>34, 35, 34</sup> 5, ~~34~~ marked  
 with 3 notches on E. and  
 3 notches on W. edge,  
 and raised a mound  
 of stone alongside.



N. Ry. Tp. 17 N. R. 5 E.

Chains

Pkts impracticable  
From which a pinon  
Tree in draw. trs.

N. 85° E. 22 lbs. dirt,  
marked 7.18 N. R. 5 E.

S. 34 07. No other trees  
within limits

Super mountainous

Soil 4th and 2nd. rate

Dense oak undergrowth  
Scattering cedar and Pinon

S. 89° 45' N. on a true  
line bet. Secs. 4 and 03  
Ta. 14° 15' E.

4.90

Width 10 lbs. wide bet. N. N.  
ascend

12.00

Top of ridge 80 ft. trs. N. N.

G. and J. R. M.  
Chains

- and S.E. descend
- 16.00 Foot <sup>of ridge</sup> ~~to~~ N.W. S.E. 90 ft. cross  
mark 15 lbs. with loc. NW.
- 40.00 Set a sandstone 11x9x7 ins.  
8 ins. in the ground for "14  
Sec. Co. marked "14 on  
N. face. From which a  
cedar 6 ins. in diam. trs.  
N. 4 1/2 lbs. dirt marked  
"14 S. B. T.
- A cedar 8 ins. in diam. trs.  
S. 18 lbs. dirt marked  
"14 S. B. T.
- 54.00 Left fork of Dry creek loc. 5.
- 56.90 Right fork Dry creek loc. 6.  
stream of running water.
- 80.00 Set a sandstone 16x10x5  
ins. 11 ins. in the ground

N. By. 7p. 17 N. R. 5 E.

Chairs

For Cor. to T.S. 65.  
 4. 5. 32. and 33 marked  
 with 4 notches on E.  
 and 2 notches on N.  
 edge, and raised a  
 mound of stones alongside.  
 Pile impracticable  
 from which a Juniper  
 tree 18 ins. in diam. to.  
 S. 50 N. 32 lbs. dist. marked  
 N. 17 N. R. 5 E. S. 5-37.  
 No other trees within limit.  
 Surface rough  
 Soil 2nd rate  
 Dense oak and cedar  
 undergrowth

---



J. and S. A. M.

Quinn

S.  $89^{\circ}45'N$ . on a true  
line bet. Secs. 5 and 32  
Ta.  $14^{\circ}15'E$ .

0.165  
40.00  
Nash 12 lbs. with Co. B.  
Set a sandstone  $18 \times 12 \times 4$   
ins. 12 ins. in the ground  
for 14 Sec. Co. marked  
114 on N. face, and  
raised a mound of  
stone alongside.

Pit impracticable

From which a pine tree  
10 ins. in diam. No. S.  $60^{\circ}E$ .  
32 lbs. dirt. marked 114 S. B. T.

No other trees within limit.

7000  
Offset 10 Ch. S. to avoid  
perpendicular mountain  
thence S.  $89^{\circ}45'N$ .

8000  
Continue on course.

A. Ry. Tps. 17 N. R. 5 E.

Claims

- 105.00 Affert 10 lbs. A. to line  
 Thence S. 89° 40' W. 1/4 sec.  
 Secs. 6 and 31 same va.
- 114.50 Road to N.E. & S.W.
- 117.39 Mark 15 lbs. with 100, S.W.
- 120.00 Set a sand stone 36 x 8 x 7  
 ins. 27 ins. in the ground  
 for 114 Sec. 100. marked  
 114 on N. face. and  
 raised a mound  
 of stone alongside  
 Pits impracticable
- 159.20 The Cor. to Tps. 17 and 18  
 N. Rs. 4 and 5 E.  
 Surface rolling  
 and mountainous  
 Soil 2nd rate  
 Good grass  
 Scattered cedars.

J. and J. R. M.  
Davis

I carefully examined  
the adjustments of my  
Solar Transit To-day  
particularly the latitude  
and reversing apparatus  
and found them  
correct.

April 9<sup>th</sup> 1845



# General Description

The country embraced by the preceding lines consists of the greater part of the Mogollon mesa.

The mesa is bounded by what is known as La Pina, which breaks off precipitously on the West towards the Verde <sup>River</sup>.

On the East it breaks off gradually to the plains of the Little Colorado River.

Everywhere on the mesa is a heavy growth of pine timber and some Juniper, oak, fir, spruce and cedar.

General Description - continued

The grass is very fine and grows abundantly.

At the present time water may be found in nearly every gulch. ~~There is also some snow.~~

After the mesa breaks off toward the West, there are numerous red sandstone bluffs and buttes, their sides in many instances being perpendicular and rising to a height of nearly 1000 ft.

There are numerous settlers in the country.

J. C. Smith

U. S. Dept. Geol.

U. S. Surveyor-General's Office,

TUCSON, A. T., June 24<sup>th</sup> 1889

The foregoing Field Notes of the Surveys of  
the Exterior Boundaries of

T. 17 N. R. 5, 6, 7 & 8 E.

T. 18 N. R. 6, 7, 8 & 10 E.

T. 19 N. R. 6, 7, 9 & 10 E. and

T. 20 N. R. 10 E. Gila and Salt River Meridian

in Arizona executed by

John C. Smith

U. S. Deputy Surveyor, under his contract dated

December 10<sup>th</sup> 1884

having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

John Heise

U. S. Surveyor-General  
for the Territory of Arizona.