

1710

North and West

BOOK 1710

Boundaries of

Tps 30 and 31 N. Range 1 W  
and  
N. Bdy. of T. 31 N R 2 W

4-671

SECOR.

1710

FIELD NOTES

GENERAL LAND OFFICE.

BOOK 1710

1710

1 Preliminary Oaths of Assistants.

BOOK 1710

We, A. G. Johnson  
and G. J. Salmon

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths 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 north and west boundaries of Tps. 30 and 31 N. Rs. 1 and 2 W. and the north boundaries of Tps. 30 and 31 N. R. 2 W.

of the Gila and Salt River Base and Meridian in the Territory of Arizona.

A. G. Johnson Chainman.

G. J. Salmon Chainman.

Chainman.

Chainman.

Subscribed and sworn before me, this 26<sup>th</sup> day of September 1900 189

W. Oscar Greer

Notary Public.  
U.S. Deputy Surveyor.

[SEAL.]

We, J. A. Gander <sup>and</sup>

1A

E. B. Murray

BOOK 1710

do solemnly swear that we will well and truly perform the duties of flagman <sup>and</sup> axman, respectively,

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 north <sup>and</sup> west boundaries of Tps. 30 <sup>and</sup> 31 N. R. 1 <sup>and</sup> 2 W., <sup>and</sup> the north boundaries of Tps. 30 <sup>and</sup> 31 N. R. 2 W.

of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

J. A. Gander

E. B. Murray

Subscribed and sworn to before me this 26<sup>th</sup>

day of September 1900  
~~189~~

W. Oscar Jacob

Notary Public.

Deputy Surveyor.

Field Notes  
of the survey of the  
North boundaries of Tps 30<sup>and</sup> 31. N. R. 1<sup>and</sup> 2 W  
and the  
West boundaries of Tps 30<sup>and</sup> 31. N. R. 1 W  
of the  
Gila and Salt River Base and Meridian  
in the  
Territory of Arizona  
as surveyed by  
W. Oscar Secor  
U. S. Deputy Surveyor  
Under his Contract No. 77.  
Dated.

Survey commenced Sept. 26-1900

Survey completed Oct. 18-1900



Jadax. —————

Vest Body T 30 N. R. 1 W.					3
North "	"	"	"	"	13
Vest "	31	"	"	"	25
North "	"	"	"	"	36
North "	31	"	2X	"	46

46	48	50	52	54	55	36	38	40	41	43	45
6	5	4	3	2	1	3	4	5	3	2	1
						12	3	3	7		
						13	3	1	18		
						24	2	9	19		
						25	2	7	30		
						36	2	5	32	33	34
							15	17	19	21	22
							11	6	5	4	3
										2	1
						12	1	0	7		
						13	9	18			
						24	8	19			
						25	5	30			
						36	5	31			

BOOK 1710

W. Bdy. T. 30. N. R. 1. W.

Survey commenced Sept 26<sup>th</sup> - 1900 and executed with a Buff and Bryer Engineer's Transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other, reading to 30" of arc. I examine the adjustments of the Transit, then, to test the solar apparatus by comparing its indications, resulting from solar observations made during A.M. and P.M. hours, with a true Meridian determined by observation on Polaris. I proceed as follows:

Sept. 26: at Cor. to Twp. 29<sup>and</sup> 30 N. R. 1<sup>and</sup> 2 W. latitude  $35^{\circ}55' N.$ , longitude  $112^{\circ}25'28'' W.$ , at 4 hrs 00<sup>m</sup> P.M. L.M.T. I set off  $1^{\circ}20'$  S. on the dial, arc  $35^{\circ}55' N.$  on the lat. arc; and determine with the solar a true meridian: and mark the point on a stone firmly set in the ground 12 chs N of the cor.

At 7<sup>h</sup> 00<sup>m</sup> P.M. L.M.T. I observe Polaris at

eastern elongation, in accordance with the Manual of Instructions and mark a point on the line thus determined on a stone set in the ground 12 chs N of my station

Sept 26 - 1900

Sept. 27: at 7<sup>h</sup>-30<sup>m</sup> A.M. l.m.t I lay off the azimuth of Polaris,  $1^{\circ}31'$  to the west and mark the true meridian thus determined by a cross on the stone set Sept. 26, on which the true meridian falls .75 ins east of the mark determined by the solar.

At 8<sup>h</sup>-00<sup>m</sup> A.M. l.m.t I set off  $1^{\circ}35' S$  on the dial arc,  $35^{\circ}55' N$  on the lat. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 12 chs. N. of my station; this mark falls one inch west of the true meridian established by the Polaris observations.

The solar apponster, by A.M. and P.M. observation



define positions so near the true meridian established by the Polaris observation that I conclude the adjustments are satisfactory.

The magnetic bearing of the true meridian at 8 AM. is  $N\ 14^{\circ}45' W.$  which reduced by the table, Page 100, gives the mean mag. decl.  $14^{\circ}43' E.$

I begin at the cor. to Tps. 29<sup>and</sup> 30 N. R. 1<sup>and</sup> 2 W. which is a lime stone  $8 \times 12 \times 6$  ins. above ground properly marked, with md. of stone 3 ft high S of Cor. Thence I run:

N. bet. sects. 31<sup>and</sup> 36

over hilly ground, descending.

- 5.00 Bottom of descent, ascend  
 14.00 Top of ascent, descend over rolling ground  
 17.00 Road bears N. W. <sup>and</sup> S E.  
 40.00 Set a lime stone  $16 \times 11 \times 7$  ins. <sup>10 ins</sup> in ground for  $\frac{1}{4}$  sec, Cor marked  $\frac{1}{2}$  on W face  
 dug pits  $16 \times 18 \times 12$  ins N & S of stone 3 ft



dist; and raised a Md of earth  $1\frac{1}{2}$  ft high,  $3\frac{1}{2}$  ft base W. of Cor.

80.00

Set a lime stone  $18 \times 12 \times 12$  in  $12$  in in ground for Cor to Sec 25, 30, 31 and 36 marked with one notch on S and 5 notches on N edges. dig pits  $18 \times 18 \times 12$  in in each Sec.  $5\frac{1}{2}$  ft. dist and raised a Md of earth  $4$  ft base  $2$  ft high W. of Cor  
 Fred Relling, Soil 3rd rate, No timber

St. bet Secs 25 and 30

Land rolling ground.

36.28 Road bet Secs N. W. and S E

40.00 Set a lime stone  $16 \times 12 \times 8$  in  $10$  in in ground  
for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{2}$  on N. face; dug pits  
 $18 \times 18 \times 12$  in N and S of stone  $3$  ft dist;  
raised a hd. of earth  $3\frac{1}{2}$  ft base,  $1\frac{1}{2}$  ft high  
W of Cor.

80.00 Set a lime stone  $18 \times 12 \times 6$  in,  $12$  in in ground  
for Cor to Secs 19, 24, 25 and 30, marked with  
2 notches on S and 4 notches on N. edges;  
dug pits,  $18 \times 18 \times 12$  in. in each Sec  $5\frac{1}{2}$  ft  
dist. and raised a hd. of earth  $4$   
ft base,  $2$  ft high W of Cor  
Land rolling  
Soil 3<sup>rd</sup> rate  
No timber

N. bank Secs. 19 and 24.

Over rolling ground

40.00

Set a lime stone  $24 \times 14 \times 8$  in. 16 in in ground  
for  $\frac{1}{2}$  sec. Cor. marked  $\frac{1}{4}$  on W. face  
dug pits  $18 \times 18 \times 12$  in N and S of stone. 3 ft.  
dick and raised a  $\frac{1}{2}$  of earth  $3\frac{1}{2}$  ft base  
 $1\frac{1}{2}$  ft high N of Cor

80.00

Set a lime stone  $24 \times 12 \times 16$  in 15  
in in ground for Cor to Secs 13, 15  
19 and 24 marked with 3 notches  
on S and 3 on N edges. dug pits  
 $18 \times 18 \times 12$  in. in each sec  $5\frac{1}{2}$  ft  
dick. and raised a  $\frac{1}{2}$  of earth  
4 ft. base. 2 ft high N of Cor.

Land Rolling

Soil 3rd rate

No timber



A. but Secs 13 and 18

Over rolling ground

30.00 Foot of steep bluff. Ascend over rough  
mountainous land

40.00 Set a lime stone  $20 \times 14 \times 8$  ins. in a md. of  
stone 3 ft. high. for  $\frac{1}{4}$  sec. Cor marked  
 $\frac{1}{4}$  on N. face

40.20 Top of bluff. bears E. and W. proceed  
over rough ground. through  
scattered Cedars

80.00 Set a lime stone  $18 \times 10 \times 6$  ins in a  
md. of stone for cor to secs 7. 12. 13 and  
18 marked with 4 notches on S. and  
2 notches on N. edges

Land rolling 30 chs

Mountainous land 50 chs

Soil 3<sup>rd</sup> and 4<sup>th</sup> rate

Scattered Cedars for 50 chs

- At. bet. Secs 7 and 12  
 Over mountain land, ascending
- 17.00 Top of high ridge bearing N.E. + S.W.
- 40.00 Set a lime stone  $20 \times 10 \times 10$  in. 14 in in ground  
 for  $\frac{1}{4}$  sec. cor marked 4 on N face dug pits  
 $18 \times 18 \times 12$  in N. and S. of stone 3 ft dia and  
 raised a  $\frac{1}{2}$  in of earth  $3\frac{1}{2}$  ft base  $1\frac{1}{2}$  ft  
 high N. of cor
- 45.00 Enter dense undergrowth and  
 scattering cedars, and *Ficus*
- 51.00 Edge of bluff of cañon, bears N.W. and  
 S.E. descend abruptly.
- 67.30 Bottom of cañon, course N.W. ascend abruptly.
- 75.00 Top of bluff N. side of cañon bears N.W.  
 and S.E. continues to ascend.
- 76.00 Top of ascent; begin to descend
- 80.00 Set a lime stone  $18 \times 12 \times 4$  in. 12 in  
 in ground for cor to sec's 10, 7<sup>th</sup> and 12  
 marked with 5 notches on S and 1  
 notch on N. edge and raised

a Wed of Stone  $2\frac{1}{2}$  ft. high. W of  
Cor.

Mountainous land 80 chs

Soil at 4th rate

Dense Undergrowth 80 chs

Timber, scattering Cedars & Pinons

At. bet Secs 1 and 6

Over mountainous land, through dense  
undergrowth and scattering Cedars. descending

8.00 Edge of bluff of Cañon bearing E and W  
descend abruptly.

20.40 Bottom of Cañon 400 ft. deep. course  
W. ascend abruptly.

27.60 Top of bluff W side, bears E. & W. continue to ascend

30.00 Top of ridge between cañons. descend abruptly

32.80 Edge of bluff of Cañon bears E & W descend abruptly

38.80 Bottom of Cañon 500 ft deep. course W. ascend.

40.00 Set a lime stone  $19 \times 12 \times 6$  in 12 in  
ground for  $\frac{1}{2}$  sec. Cor marked ~~12~~ on



- W. face and raised a Md of  
stone 2 ft. high W. of Cor  
Ascend abruptly *Pits imperfect*
- 47.80 Top of bluff N. side of Cañon bears  
E+W. Continue to ascend.
- 53.00 Top of ridge bearing E+W descend
- 70.00 Bottom of rocky gulch. course W.ward
- 80.00 Set a lime stone 30x10x10 ins. in  
a Md of stone, 5-ft high, worked with  
6 notches on each edge, with 31, <sup>N</sup> on  
N.E. 2 W. on N.W. 30 N on S.W. and  
1 W. on S.E. faces
- Mountainous land 80 chi  
Dense Undergrowth and Scattering  
Cedars and Piñons 80 chi  
Soil at the rate

Sept 27-1900

North Bdy Tp. 30 N. R. 1 W

On the night of Sept 27-1900. at the cor of  
Tps 30 and 31 N. R's 1 E and 1 W Johnson Polaris  
when at its greatest eastern elongation, in  
accordance with manual of instructions and  
make a mark on the line thus determined  
on a stone set in the ground 5.00 ch N  
of my station

Sep 27-1900

N. Bdy. Tp. 30. N. R. 1. W.

Sept. 28<sup>th</sup>: at 7<sup>h</sup> 30<sup>m</sup> = a.m. l.m.t. I lay off the azimuth of Polaris,  $1^{\circ} 31'$  to the west and mark the true meridian thus determined by a cross on a stone set in the ground 5.00 chs. N. of my station.

At 8<sup>h</sup> 00<sup>m</sup> = a.m. l.m.t. I set off  $1^{\circ} 59' 5''$  on the dial arc;  $36^{\circ} 00'$  N. on the lat. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5.00 chs N of my station; this mark falls 0.02 ft. west of the true meridian established by the Polaris observation. I begin at the Cr to Tps 30 and 31 N R. 1. 2. and 1 W, which is a lime stone  $8 \times 12 \times 5$  ins above ground marked as described by the surveyor General. Thence I run

West on a random line along the N. Bdy of Tp 30 N. R. 1. W setting Temp. 14 sec and see Cois at each 40 and 80 chs, and



479.37 dis, intersect the N. bdy. of T<sub>1</sub>  
 144 lks N of Cox to T<sub>1</sub> 30 and 31 N R<sub>1</sub> 82  
 N. This falling requires a correction of  
 0° 10', or 24 lks S per mile; therefore  
 I run:

N. 89° 50' E on a true line between 31  
 and to our mountainous land.

Descending

- 5.00 Enter dense Pinon and Cedars  
 7.70 Bottom of rocky gulch course S. ascend  
 9.35- Top of bluff of gulch bearing N + S  
 13.20 Top of bluff of gulch bears N 10° E and  
 S 10° W descend  
 17.60 Bottom of gulch 100 ft deep course  
 S 10° W ascend  
 19.90 Top of bluff E. side bears S 10° W + N 10° E  
 26.35- Edge of bluff of rocky gulch bears  
 N.E. and S.W. descend abruptly  
 29.50 Bottom of gulch 100 ft deep course  
 S.W. ascend

- 35.00 Top of bluff. E. side
- 39.37 Set a lime stone  $20 \times 18 \times 6$  ins in  
a 2nd of stone for  $\frac{1}{4}$  sec cr marked  
 $\frac{1}{4}$  on N face from which  
A Cedar 20 ins diam bears  $N 11^{\circ} 20' E$   
disk 97 lbs. Marked  $\frac{1}{4} S 31. BT$   
A Cedar 24 ins diam bears  $S 62^{\circ} 20' E$   
154 lbs disk. Marked  $\frac{1}{4} S 6 B. T.$   
Descend to gulch
- 44.20 Bottom of gulch. Course S. ascend
- 49.35 Top of rise
- 69.50 Lean dense timbers. descend to gulch
- 76.30 Bottom of gulch. course S. ascend
- 79.37 Set a lime stone  $24 \times 14 \times 6$  ins 15 ins in  
ground for cr. to secis 5, 6, 31 and 32  
Marked with 5 notches on E and  
1 notch on W. edges from which  
A Piñon 12 ins diam bears  $N 59^{\circ} E 103$   
lbs disk. Mkd T 31. R. W S 32 BT  
A Piñon 12 ins diam bears  $N. 5^{\circ} 45' W 151$

lks dist. Mkd T31NR1WS31BT

A Piñon 8 in diam bears S31°E 142

lks dist. Mkd T30NR1WS5BT

A Piñon 12 in diam bears S18°40'W 182

lks. dist. mkd T30NR1WS6BT

Mountainous land 80 chs

Dense Cedars & Piñons 65 chs

Soil  $\perp$  the route

N. 89°50'E but seis 5 and 32

Over Mt. land and thro. dense cedars  
and Piñons and dense undergrowth

6.00 Leave dense timber, descend

26.34 Bottom of gulch to SW ascend

27.00 Top of bank of gulch SW & NE

30.60 Boss' Road bears N & S

40.00 Set a lime stone 36 x 16 x 4 in  
in a md. of stone 3 ft high for "4  
See cor mkd "4 on N face

56.50 descend abruptly to cañon



60.00 Bottom of Cañon 150 ft deep  
Course S 70° W ascend

80.00 Got a lime stone 18x14x6 in  
a Md of stone 3 ft high for Cor to  
secs 4.5.32.33. marked with two  
notches on N. and 4 notches on

E. edges

no trees in limits

Find Mountains 8 chs

Dense Undergrowth 8 chs

Dense Timber 6 chs

Soil rocky 4<sup>th</sup> rate



N. 89.50 E bet Secs 4 and 33  
Over mountainous land and through  
dense undergrowth and scattered  
timber, Descend to gulch

2.40 Bottom of rocky gulch to N 75°  
W. ascend

4.00 Top of bank of gulch

19.50 Descend to gulch

20.75 Bottom of rocky gulch course  
S.W. Ascend

21.50 Top of bank of gulch

40.00 Set a lime stone 16x12x6 in 10  
in in ground for 1/4 sec, cor marked  
1/4 on N. face and raised a md  
of stone 3 ft high 3 ft base N of cor

41.00 Bottom of arroyo to S.W. ascend

80.00 Set a lime stone 16x8x4 in in  
a md of stone for cor to sec 3  
4.33 and 34 marked with 3  
notches on 2 and 3 notches on

West edges from which  
 A Cedar 6 ins diam bears N 36° 20'  
 N 33 lbs dist.

Mkd T 31 N R 1 W S 33 BT

A Piñon 6 ins diam bears S 15 45' W  
 23 lbs dist

Mkd T 30 N R 1 W S 4 BT

A Cedar 16 ins diam bears S 65° 40' E 115 lbs dist

Mkd T 30 N R 1 W S 5 BT

A Cedar 6 ins diam bears N 30° E 28 lbs dist

Mkd T 31 N R 1 W S 34 BT

Land Mountainous 80 chs  
 Dense Undergrowth 80 chs  
 Scattering Piñons & Cedars  
 Soil Rocky. 4<sup>th</sup> rate

---

N. 89.50° E. bear. Sec 3 and 34

Over mountainous land, through dense  
undergrowth and scattering cedars  
and pines.

Descend steep slope of cañon diagonally

- 11.20 Bottom of cañon 400 ft deep course N.W.
- 30.43 Bottom of cañon course S.W. ascend
- 40.00 Set a line stone 16x12x6 in a mid  
of stone 3 ft high for 1/4 sec or mark  
1/4 on N face. ascend abruptly  
*Pits enipraed*
- 46.00 Top of Bluff of cañon bears N+S  
Continue to ascend
- 70.00 Top of ridge bearing N+S descend
- 80.00 Set a line stone 18x12x6 in in a mid of stone  
3 ft high for or to sec 2, 3, 34, and 35. Marked  
with two notches on E and 4 notches  
on W Edges. *Pits enipraed*  
*No hills in elements*  
Mountainous land 80 chs  
Scattering Cedars and Pines  
Dense Undergrowth 80 chs



- N.  $89^{\circ}50'E$ . bet Secs 2 and 35
- Over mountainous land, through dense undergrowth and scattering Cedars and Pinons
- 5.00 Enter dense Cedars and Pinons
- 35.00 Leave " " " "
- 40.00 Set a lime stone  $18 \times 12 \times 4$  ins 10 ins in ground for 1/4 sec. Cr. marked 4 on N. face and raised a Md of stone 3 ft high and 3 ft base N. of Cr.
- 44.00 Enter dense Cedars and Pinons
- 50.00 Leave " " " "
- 80.00 Set a lime stone  $20 \times 12 \times 12$  ins 12 ins in ground for Cr. to sec. 1, 2, 35 and 36. Marked with 1 notch on E and five notches on N. edges dug pits  $18 \times 18 \times 12$  ins in each sec  $5\frac{1}{2}$  ft dia. and raised a Md of earth four ft base and 2 ft high W. of Cr.  
 mountainous land. 50 chs.  
 Dense Cedars & Pinons 36 chs. Dense Undergrowth 80 chs.  
 Soil 3<sup>rd</sup> and 4<sup>th</sup> rate



N.  $89^{\circ}50'E$  bet. Secs 1 and 36

Through dense undergrowth and  
scattering Cedars and *Junos*

40.00 Set a lime stone  $18 \times 12 \times 4$  ins 10 ins in  
ground for  $\frac{1}{4}$  sec. Cor. marked  $\frac{1}{4}$  S 36  
face. dig pits  $18 \times 18 \times 12$  ins E and W of  
stone 3 ft. dia. and raised  $\frac{1}{2}$  ft. high  
 $\frac{1}{2}$  ft high  $3\frac{1}{2}$  ft base N of Cor  
from which a Cedar 20 ins diam  
cross N.  $11^{\circ}20'E$  97 lbs dist  
Marked  $\frac{1}{4}$  S 36 BT

A Cedar 24 ins, diam, bears  $56^{\circ}20'E$   
154 lbs dist. Mark  $\frac{1}{4}$  S 1 BT

80.00 The cor to Tps 30 and 31 N. R's 1 E  
and 1 W

Land rolling, soil 3<sup>rd</sup> rate  
Scattering Cedars and *Junos*  
Dense under-growth 80 chs

Sept 29 - 1900

## Boundaries of Tr. 30 N. 7 E. W.

Latitudes, departures and closing errors.

Line Designated	True bearing.	Dist.	Latitudes		Departures.	
			N.	S.	E.	W.
N. 73 <sup>dy</sup> .	N. 89° 50' E.	479.37	1.20		479.37	
E 73 <sup>dy</sup> .	South	480.00		480.00		
S 73 <sup>dy</sup> .	S. 89° 56' W.	480.07		.56		480.07
W. 73 <sup>dy</sup> .	North	480.00	480.00			
Convergence					0.52	
Totals			481.20	450.56	479.89	480.07
			450.56			479.89

Error in Lat. .64

Error in dep. .19

West Bdy. Tp. 31. N. R. 1. W.

Oct. 19. at 8<sup>h</sup> 00<sup>m</sup> A.M. l.m.t. I  
 Set off 9° 56' S on the decl. arc;  
 36° N on the lat. arc; and determine  
 a true meridian with the solar at  
 the cor of Tps 30 and 31, N. R. 1, and 2 W.  
 Thence I run, N. 64° Sec 31, and 36  
 Over mountainous land thro dense  
 undergrowth and scattered <sup>5</sup> ~~timber~~ <sup>timber</sup> and cedar

6.00 Gulch. Course S

40.00 Set a lime stone 16x14x6 ins in a  
 Mid of stone 3 ft high for 1/4 sec cor  
 Marked 1/4 on W. face. Pits impract  
 no wells near.

53.00 Gulch Course S.W

80.00 Set a lime stone 20x10x10 ins 12 ins in  
 ground for cor to secs 25, 30, 31 and 36  
 Marked with one notch on south  
 and 5 notches on N. edges, from which  
 A Piton 12 ins diam bears S. 81° W  
 185 lbs dist

Marked T. 31. N. R. 2. W. S. 36. BT

A Cedar 12 ins diam bears S. 26° 10' E.

206 lbs disk

Marked T. 31. N. R. 1 W. S. 31. B. T

A Fir 12 ins diam bears N. 35° 55' W

235 lbs disk

Marked T. 31. N. R. 2. W. S. 26. B. T

A Fir 8 ins diam bears N. 62° 25' E

280 lbs disk

Marked T. 31. N. R. 1 W. S. 30. B. T

Land mountainous 80 chs

Dense undergrowth 80 chs

Scattered Cedars and Firs

Soil at the rate



N. brk secs 25 and 30

Over mountainous land thro dense  
undergrowth and scattering Cedars  
and Firons

40.00 Set a sand stone 16x12x5 in in a Md  
of stone for 1/4 sec. Cr, marked 1/4 on  
N. face from which

A Firion 8 ins. diam bears S. 29° 20' W  
142 lbs. disk marked 1/4 S. 20. T.B.T

A Firion 6 ins. diam. bears S. 18° 05' E  
89 lbs. disk. marked 1/4 S. 30. T.B.T

80.00 Set a lime stone 18x12x6 in in a  
Md of stone for cr to secs 19. 24. 25  
and 30 marked with 2 notches  
on S and 4 notches on N. Edges  
from which

A Firion 12 ins diam bears S  
48° 40' W. 105 lbs disk

Marked T. 31. N. R. 2 W. S 25. T.B.T

A Firion 24 ins. diam. bears S 71° 20' E

189 lbs disk

Marked T. 31. N. R. 1. W. S. 30. BT

A Fir 8 ins diam bears N. 54. 50' E

144 lbs disk, Marked T. 31. N. R. 1. W. S. 19. BT

A Fir 12 ins diam, bears N. 78. 20' W

88 lbs disk, Marked T. 31. N. R. 2. W. S. 24. BT

Land mountainous 80 cks

Dense undergrowth 80 cks

Scattering Cedars and Firs

Soil & <sup>the</sup> rate

---

N. Oak Secs 19 ~~and~~ 24

Over Mountainous land and through  
dense undergrowth and scattering timber.

8.00 Edge of bluff of Cañon bears E + W  
descend abruptly

12.50 Bottom of Cañon 250 ft deep course  
N.W. ascend abruptly

18.00 Top of ridge bet. two Cañons descend

30.00 Bottom of Cañon, course W. ascend  
abruptly

35.00 Top of bluff of Cañon, bears E + W  
Continue to ascend

40.00 Saw a lime stone 20x16x8 ins in a  
Mud of stone for 1/4 sec. cor marked  
1/4 on W face from which  
a Piton 12 ins. diam bears N 89° 5' E  
157 lbs. disk, marked 1/4 S, 19. BT

A Piton 12 ins. diam bears N 83° 10' W  
212 lbs disk, marked 1/4 S 24 BT

40.65 Road bears E and W

80.00

Saw a lime stone 18x12x6 ins in a  
 Md of stone for Co to Secs 13, 18, 19 and 24

Marked with 3 notches on N. and 3 Notches  
 on S. Edges from which

A Gypsum 6 ins diam bears N.  $58^{\circ} 60'$  W.

52 lbs disk Marked T. 31. N. R. 2 W. S. 13. B. T.

A Cedar 12 ins diam bears S.  $80^{\circ} 10'$  W.  $58^{\circ}$  <sup>pic</sup> <sub>1/2</sub>

Marked T. 31. N. R. 2 W. S. 24. B. T.

No other nets in vicinity

Land Mountainous 80 chs

Dense under-growth 80 chs

Scattering Gypsums and Cedars

Soil 4<sup>th</sup> rate

Oct 19-1900



Oct. 20: at 8<sup>h</sup> 00<sup>m</sup> A.M. l.m.t. &

set off 10'.18" S. on decl. arc: 36'.03" N on the  
lat. arc: and determine a true meridian  
with the solar, at the cor to secs. 13.18.19 & 24

Fence I run

at bet 13 and 18

Over rough land and thro. dense  
undergrowth and scattering cedars and firs

32.40 Mogyie trail bears S.E. and N.W.

40.00 Set a lime stone 16x14x12 ins in a

md. of stone for  $\frac{1}{4}$  sec. cor. marked  
 $\frac{1}{4}$  on N. face, from which

a *Fission* 8 ins. diam. bears S  
26'.45" W. 144 lbs. disk marked  
 $\frac{1}{4}$  S. 13. B.T.

A *Fission* 12 ins diam. bears S 43'.50" E  
145 lbs. disk marked  $\frac{1}{4}$  S. 18. B.T.

80.00 Set a lime stone 18x12x12 ins in a md.  
of stone for cor to secs 7.12.13 and 18  
Marked with + notches on S and 2

Notches on N. Edges from which  
 A Fir tree 4 ins. diam. bears N. 73° 10' W.  
 18 lbs disk,

Marked T. 31. N. R. 2. W. S. 12. B. T.

A Cedar 12 ins. diam. bears S. 15° 10' E  
 138 lbs disk

Marked T. 31. N. R. 1. W. S. 18. B. T.

A Fir tree 4 ins. diam. bears N. 71° 40' E  
 144 lbs disk

Marked T. 31. N. R. 1. W. S. 7. B. T.

A Fir tree 4 ins. diam. bears S. 29° 50' W  
 173 lbs disk

Marked T. 31. N. R. 2. W. S. 13. B. T.

Pits impracticable.

Land rough and rocky

Dense undergrowth 80 cbs

Scattering cedars and Fir trees

Soil 4<sup>th</sup> rate

No. 1st sec 7 and 12

Thro dense undergrowth and scattering  
Cedars and Firs

40.00 Got a lime stone  $17 \times 10 \times 12$  in in a  
Mid of stone for  $\frac{1}{4}$  sec. cor miked  
 $\frac{1}{4}$  on N. face. from which  
A Firion 4 ins diam bears  $S 81.30^{\circ} E$   
154 lbs disk, marked  $\frac{1}{4} S. 7. BT$

A Firion 4 ins diam, bears  $N. 32^{\circ} W$   
94 lbs disk, marked  $\frac{1}{4} S. 12. BT$

80.00 Got a lime stone  $18 \times 12 \times 12$  in in a  
Mid of stone, for Cor to Sec 16. 7. & 12  
Marked with 1 notch on N and 5

Notches on south edge, from which

A Firion 12 ins diam bears  $N 17.30^{\circ} W$   
21 lbs disk marked  $T. 31. N. R. 2. W. S. 1. BT.$

A Firion 8 ins diam bears  $S 10^{\circ} 20' W$ , 21  
lbs disk. Marked  $T. 31. N. R. 2. W. S. 12. BT$

A Firion 8 ins diam bears  $S. 39^{\circ} 10' E$ ,  
10 lbs disk Marked  $T. 31. N. R. 1. W. S. 7. BT$



A Fir tree 6 in diam bears  $N. 31.15^{\circ} E$  24 lbs.  
 dist Marked T. 31. N. R. / W. S. 6. BT  
 Land rough and rocky  
 Dense Undergrowth 80 chi  
 Scattering Fir trees and Cedars  
 Soil 4<sup>th</sup> rate

---

N. bet Secs 1 and 6

Over rough, rocky land through  
 dense undergrowth and Scattering Cedars  
 and Fir trees

- 17.16 Road bears S. E. and N. W  
 35.00 Enter dense Cedars and Fir trees  
 40.00 Set a line stone  $26 \times 12 \times 4$  in. in a  
 mid of stone for  $\frac{1}{4}$  sec, cor. marked  $\frac{1}{4}$  on  
 N. face from which  
 A Fir tree 6 in diam bears  $S 52.35^{\circ} E$   
 37 lbs dist. marked  $\frac{1}{4} S 6. B.T$   
 A Fir tree 6 in diam bears  $S 26.30^{\circ} W$ . 45  
 lbs dist Marked  $\frac{1}{4} S. 1. B.T$



80.00 Got a lime stone  $18 \times 12 \times 10$  ins 12 ins  
 in ground for cor to T. P. 31 and 32  
 N. R. 1 and 2 W. marked with 6  
 notches on each edge with 32 N on  
 N. W. 1. W. on N. E, 31 N on S. E  
 and 2 W on S. W. faces, from which  
 A Cedar 6 ins diam bears N.  $6^{\circ} 10' W$   
 38 lbs disk marked T. 32 N. R. 2 W. S. 36. B. T.  
 A Fir 8 ins diam bears N.  $52^{\circ} 10' E$   
 89 lbs disk marked T. 32 N. R. 1. W. S. 31. B. T.  
 A Cedar 12 ins diam bears S.  $78^{\circ} 20' E$   
 33 lbs disk marked T. 31 N. R. 1 W. S. 6. B. T.  
 A Fir 4 ins diam, bears S.  $15^{\circ} W$   
 134 lbs disk marked T. 31 N. R. 2 W. S. 1. B. T.

Land rough and rocky

Soil at the rate

Some undergrowth 80 ch

Some cedar & fir 45 ch

Oct 20 - 1900

N. Bdy. T.P. 31. N. R. 1. W

Oct. 21<sup>st</sup> at 8<sup>th</sup> 00<sup>m</sup> Am. l.m.t. I  
set off 10° 39' S on the decl. arc; 36.06  
N on the lat arc and determine a true  
meridian with the solar, at the Cr  
of Tps 31 and 32 N. Rs 1 E and 1 W  
Thence I run

West on a random line along the N  
Bdy. T.P. 31. N. R. 1. W, setting temp  $\frac{1}{4}$  sec  
and see Crs at each 40 and 80 chs  
respectively; and at 479.48 chs  
intersect the N. Bdy. 33 lbs. N. of the  
Cr to Tps 31 and 32 N. Rs 1 and 2 West  
This falling requires a correction of  
 $5\frac{1}{2}$  lbs. S. per mile, or 0° 02'; therefore  
I run N. 89° 38' E bet sees 6. and 31  
Over rough, rocky ground and  
through dense Cedars Cedars and  
Spirous and dense undergrowth  
39.48 Set a lime stone 18 x 14 x 6 ins in  
a row of stones for  $\frac{1}{4}$  sec. Cr. marked

1/4 on N. face from which  
 A Flint 4 ins diam, bears N. 21° 20' E  
 56 lbs dist. Marked 1/4 S. 31. BT

A Flint 8 ins diam bears S. 15° 30' W  
 89 lbs dist. Marked 1/4 S. 6. BT

79. 48 Set a lime stone 18x10x6 ins in a  
 Mid of stone for cr to seis 5.6. 31 + 32

Marked with one notch on N. & 5  
 notches on S. Edges from which

A Flint 8 ins diam bears N. 48° 10' E 50  
 lbs dist. Marked T. 32. N. R. 1. W. S. 32. BT

A Flint 6 ins diam bears S. 48° 20' E 36 lbs dist  
 Marked T. 31. N. R. 1. W. S. 5. BT.

A Flint 10 ins diam bears N. 55° W 116 lbs dist  
 Marked T. 32. N. R. 1. W. S. 31. BT

A Flint 6 ins diam bears S. 56° 30' W  
 149 lbs dist

Marked T. 31. N. R. 1. W. S. 6. BT

Found rough and rocky  
 soil. 4th rate



Dense Firms and Cedars 80 chs

Dense Undergrowth 80 chs

Oct 21 - 1900

Oct 22<sup>nd</sup> at 8<sup>h</sup> 00<sup>am</sup> A.M. l.m.t. & set off 11.00  
S. on the decl arc:  $36^{\circ} 06'$  N on the lat arc  
and determine a true meridian with  
the solar at the cor. to secs 5, 6, 31 and 32

Thence I run

N.  $89^{\circ} 56' E$  bet sec 5 and 32

Through dense Cedars and Firms  
and dense undergrowth

40.00 Set a lime stone  $18 \times 14 \times 10$  ins in  
a mid of stone for  $\frac{1}{2}$  sec cor

Marked  $\frac{1}{4}$  on N face, from which

A Firms 6 ins diam bears N  $86^{\circ} 45' W$

107 lbs disk, Marked  $\frac{1}{4}$  S. 32 B.T.

A Firms 4 ins diam. bears S  $3^{\circ} 25' E$

52 lbs disk, Marked  $\frac{1}{4}$  S. 5. B.T.

80.00 Set a lime stone  $24 \times 15 \times 6$  ins in a



Md of stone for Cor to Sec 4, 5, 32  
and 33, marked with 2 Notches on  
N. and 4 Notches on S. Edges  
from which

A Piton 3 ins diam bears N.  $61^{\circ}55' E$   
69 lbs dist

Marked T. 32. N. R. 1. W. S. 33. B. T

A Piton 4 ins diam bears N.  $32^{\circ}05' W$   
76 lbs dist

Marked T. 32. N. R. 1. W. S. 32. B. T

A Piton 8 ins diam bears S.  $30^{\circ}06' E$   
75 lbs dist

Marked T 31 N R 1. W. S. 4. B. T

A Piton 6 ins diam bears S  $34^{\circ} W$  152 lbs dist

Marked T. 31. N. R. 1. W. S. 5. B. T

Land rough and rocky  
Sail at the rate

Dense Cedars & Pitons 80 chs

Dense Undergrowth 80 chs

- N. 89° 5-8' E, Cor. Secs 4 and 33  
 Thrs. dense Cedars and *Juniperus* and  
 dense undergrowth
- 35.00 From dense Cedars & *Juniperus*
- 40.00 Got a lime stone 18x12x4 ins in a  
 Md of stone for 1/4 sec, Cor  
 Marked 14 on N. face. Pits compact  
 rocks near.
- 48.88 Trail bears N. x S
- 49.13 Trail bears N + S. join 1 ch. N.
- 56.19 Road bears N. and S
- 80.00 Got a lime stone 32x16x4 ins  
 in a Md of stone for Cor to  
 Secs 3, 4, 33, and 34 marked  
 with 3 notches. 2 and 3 notches  
 on W. edges, from which  
 A Cedar 10 ins diam bears N 22° 40' E  
 236 lbs dia
- Marked T. 32. N. R. 1 W. S. 3. 4. BT.
- A *Juniper* 6 in diam bears N 45° W  
 220 lbs dia

Marked T. 32. N. R. 1 W. S. 33. B. T.

A Fir tree 6 in diam bears  $S 22^{\circ} 30' E$

175 lbs dia

Marked T. 31. N. R. 1 W. S. 33. B. T.

No other trees near  
Land rough and rocky

Sail 2<sup>th</sup> rate

Dense Cedars and Fir trees 35 lbs

Dense Undergrowth 80 lbs

N.  $89^{\circ} 58' E$ , best seen 3 and 34  
on mountainous land thro. dense  
undergrowth and scattering Fir trees  
and Cedars.

15.00 Fir trees and Cedars become dense

40.00 Saw a lime stone  $24 \times 16 \times 6$  ins  
in a bed of stone for  $\frac{1}{4}$  sec cor  
marked 14 on N. face from which  
A Fir tree 3 ins diam bears  $N 41.15' W$   
46 lbs dia, Marked  $\frac{1}{4}$  S. 34. B. T.

A Fir tree 4 ins diam bears  $S 27^{\circ} W$



25 lbs disk

Marked  $\frac{1}{4}$  S. 3. BT

80.50

Set a lime stone  $20 \times 14 \times 6$  ins in  
a  $\frac{1}{2}$  of stone for Cr to seis 23. 34.  
and 35 marked with 2 notches on  
E and 4 notches on West edges  
from which a  $\frac{1}{2}$  iron 10 in diam  
bears N.  $47^{\circ}$  W. 34 lbs disk

Marked T. 32. N. R. 1 W S. 34. BT

A  $\frac{1}{2}$  iron 10 in diam bears S  $47^{\circ} 10'$  E  
3.8 lbs disk. Marked T. 31. N. R. 1 W S. 2. BT

A  $\frac{1}{2}$  iron 12 in diam bears S  $21^{\circ}$  W

32 lbs disk. Marked T. 31. N. R. 1 W S. 3. BT

A Cedar 6 in diam bears N  $29^{\circ} 15'$  E

80 lbs disk Marked T. 32. N. R. 1 W S. 35. BT

Land Mountaneous 80 lbs

Deuce Cedars &  $\frac{1}{2}$  iron 65 lbs

Deuce Undergrowth 80 lbs

Soil  $\frac{1}{4}$  rate



N. 89° 08' E. bet Sec 2 and 35-  
Through dense Cedars and Junos and  
dense undergrowth over rough  
rocky land

40.00 Set a lime stone 16x12x8 ins in a Mid  
of stone for 1/4 Sec Cor marked 1/4 on N. face  
from which

A Juno 6 in diam bears N. 66° W  
15-lks dist. Marked 1/4 S 35 B.T

A Juno 4 ins diam bears S 43° E. 38  
links dist. Marked 1/4 S. 2. B.T

46.00 Leave live timber and forced thro.  
dense undergrowth and burnt Cedars

53.72 Road bears N. 4 S

63.00 Enter dense Cedars and Junos

80.00 Set a lime stone 24x12x6 ins in a  
Mid of stone for Cor to Secs 1, 2, 35 and  
36. Marked with one notch on E and  
5 notches on W. Edges, from which  
A Cedar 6 in diam bears N 65° 20' E

19 Lutes dist

Marked T. 32. N. R. 1. W. S. 36. BT

1 Cedar 8 ins diam bears S 47° 05' E 47

46 lbs dist Marked T. 31. N. R. 1. W. S. 1. BT

1 Fir 14 ins diam bears S 41.50 W

46 lbs dist

Marked T. 31. N. R. 1. W. S. 2. BT

Land rough and rocky. Soil 4<sup>th</sup> rate

Dense Cedars and Firs 63 lbs

Dense undergrowth 80 lbs

---

N.  $89^{\circ}58'E$ , bet. Secs 1 and 36  
 Through dense Cedars and *Firuses*  
 and dense undergrowth.

40.00 Set a lime stone  $18 \times 12 \times 10$  ins in a  
 Mid of stone for  $\frac{1}{4}$  sec. Cor. marked  
 $\frac{1}{4}$  on N. face from which  
 A Cedar 6 ins diam. bears N.  $47^{\circ}50'E$   
 37 lbs dist. Marked  $\frac{1}{4}$  S. 36. TBT  
 A Cedar 6 ins diam bears S.  $14^{\circ}20'W$   
 75 lbs dist. Marked  $\frac{1}{4}$  S. 1. TBT

80.00 The cor. of Tps 31 and 32 N. R. 1 E  
 and 1. N.

Land rough and rocky

Soil 4<sup>th</sup> rate

Dense Cedars and *Firuses* 80 chs

Dense undergrowth 80 chs

Oct 22 - 1900

N. Bdy Tp. 31. N. R. 2. W.

Oct 23<sup>rd</sup> at 8<sup>th</sup> - 00<sup>th</sup> A.M. l.m.t I set off  $36^{\circ}06'$   
 N. on the lat arc;  $11^{\circ}22'$  S on the dial arc;  
 and determine a true meridian with the  
 the solar at the cor to Tps 31 and 32. N. R.  
 1 and 2. W.

Thence I run

S.  $89^{\circ}47'$  W on a random line along the  
 bdy Tp 31, N. R. 2, W; setting temp,  $\frac{1}{4}$  sec  
 and sic. Cris, at each 40 and 80 chains  
 respectively; and at 47<sup>5</sup>.84 chs the cor of  
 Tps 31 and 32. N. R. 2 and 3. W. bears S.  $8^{\circ}$   
 E. This falling requires a correction of  $8'$   
 E. or  $0.11'$  per mile.

Therefore I run

N.  $89^{\circ}48'$  E bet Secs 6 and 31

Over Mountainous land and through  
 dense wood <sup>Dead Horse</sup>

24.16 Edge of bluff of <sup>Dead Horse</sup> section bears S.  
 $70^{\circ}$  E and N  $70^{\circ}$  W Set a lime stone  
 24 x 20 x 6 ins in a rd of stone.



N Bdry T<sup>p</sup> 31 & R 2 W

4 feet high for distance cr. to the 1/4  
 sec cr. Marked N.C. 1/4 on N. face  
 descend abruptly. Pits impract  
 No Trees in limits  
 Bottom of Cañon 1000 ft deep course  
 N. 70° W. ascend abruptly

38.00

51.70

Top of bluff E. side of Cañon continue

75.84

to ascend.

~~75.84~~

Found a lime stone 20 x 16 x 8 ins in a  
 Mt of stone 3 ft. high for cr. to sec 5 and  
 6. 31 and 32. marked with one notch

Pits impract

on N. and 5 notches on E. edges  
 No Trees in limits  
 Sand Mountainous 75.84 h.

Some mid. erg growth 75.84 chs  
 Scattering Cedars and Junos  
 Soil 4<sup>th</sup> rate

Oct 23 - 1900

Oct 24; at 8<sup>00</sup> AM. I set off  
 $11^{\circ}43'$  S on the decl. arc;  $36^{\circ}06'$  N on the  
 lat arc; and determine a true meridian  
 with the solar at the cr of secs 5 and 6  
 31 and 32. Thence I run:

N.  $59^{\circ}48'$  E. bet secs 5 and 32

Over mountainous land and through  
 dense undergrowth and scattering  
 Cedars and pines

2.50 Descend to gulch

7.50 Bottom of gulch. 40 ft. deep course  
 S. ascend about 1/2 m.

8.10 Top of bluff. bearing N and S

18.00 Top of ridge bearing N & S descend

23.50 Bottom of gulch. course S. ascend

32.50 Top of bluff. E. side

40.00 Set a lime stone  $18 \times 10 \times 6$  ins. in a  
 mid. of stone 3 ft high for 1/4 sec cr

Marked 1/4 on N. face Pils Imp.

no trees in vicinity

42.50 Top of ascent, begins to descend

N Bdy T<sup>31</sup> NR 2 W

- 47.80 Edge of precipitous bluff of Cañon descend abruptly
- 50.00 Bottom of Cañon 400 ft deep course S, ascend abruptly.
- 53.00 Top of bluff. E. side
- 62.50 Edge of bluff. of Cañon descend abruptly
- 65.00 Bottom of Cañon 400 ft deep course S. ascend abruptly.
- 67.00 Top of bluff. E. side
- 77.50 Edge of bluff. of Cañon, descend abruptly.
- 80.00 Saw a limestone 20x14x4 in in a rd of stone for cor to Secs 45, 32 and 33 marked with 2 notches on W. and 4 notches on E. edges  
 No trees on summit. Pal. Imp.  
 This cor is on steep slope of bluff about 30 feet above bottom of Cañon  
 Land mountainous 80 chs  
 Dense undergrowth 80 chs  
 Scattering Cedars and Junipers  
 Soil  $\frac{1}{4}$  the rate



- N. 89. 48' E bek Sec 4 and 33  
 Over mountainous land through  
 dense scrubgrowth and scattering  
 Cedars and Pinons, descending
- 0.75- Foot of bluff of Cañon 50 ft deep  
 Course S. 10° W. at 10 chs. or. ascend  
 steep slope of point.
- 5.50 Top of point
- 7.00 Descend abruptly to cañon
- 9.50 Bottom of Cañon Course. N.W. ascend
- 12.50 Top of point
- 17.50 Descend abruptly to cañon
- 19.00 Foot of bluff and bottom of Cañon  
 Course S.W.
- 21.30 Foot of bluff. E. side ascend abruptly
- 22.00 Top of bluff. bears N.W. + S.E. continue  
 to ascend.
- 29.50 Top of point, descend
- 39.00 Bottom of Cañon to S.W. ascend
- 42.00 Oak or sand-stone 24 x 10 x 6 ins

- in a md of stone for  $\frac{1}{2}$  sec. cor  
 Marked  $\frac{1}{2}$  on N. face, from which;  
 A. Flint 10 ins diam bears S.  $27^{\circ}$  E  
 64 lbs dish, Marked  $\frac{1}{2}$  S. 4. B.T.  
 A. Flint 12 ins diam bears N.  $5^{\circ}$  20' West  
 78 lbs dish, Marked  $\frac{1}{2}$  S. 33. B.T.
- 41.50 Top of bluff. E. side of cañon bears  
 N and S, Continue to ascend.
- 45.00 Top of ascent, begin to descend
- 58.00 Edge of bluff. bears N & S. descend
- 62.20 Foot of bluff. ascend
- 65.00 Top of point, descend
- 68.50 Edge of bluff. descend abruptly
- 70.00 Bottom of cañon course S.W. ascend
- 73.40 Top of bluff, E side
- 74.50 Edge of bluff. descend abruptly to cañon
- 80.00 Saw a lime stone  $18 \times 10 \times 6$  ins in a md  
 of stone for cor to see 34.33 and 34  
 Marked with 3 notches on E, and 3  
 notches on W. edge.

~~Pile impracticable~~  
 No faces in limits  
 Land Mountainous 80 chs

Dense undergrowth 80 chs

Scattering Cedars and Junos

Soil  $\frac{1}{2}$  <sup>+</sup> th rate

N.  $89^{\circ}48'$  E bot. Secs. 3 and 34

Over mountainous land through  
 dense undergrowth and scattering  
 Cedars and Junos, descending

3.20 Bottom of Cañon, Course N. W.  
 ascend Joint

15.00 Top of Joint, descend

19.00 Bottom of Cañon course N. W. ascend  
 Joint

32.50 Top of Joint, descend

40.00 Saw a lime stone  $18 \times 10 \times 8$  in in a  
 Mid of stone for  $\frac{1}{2}$  on Cor  
 Marked  $\frac{1}{4}$  on N. face



*Pilo. unproct*  
 No Trees in limits  
 44.50 Bottom of Cañon. Course S. 71. Ascend

51.00 Top of low point, descend

52.50 Bottom of Cañon. Course N. 71

64.40 Foot of bluff. Ascend

65.00 Top of bluff. bears N. 75° E and S 75° W

74.50 Edge of bluff. descend abruptly

80.00 Bottom of Cañon, Course S. 75° E

Saw a lime stone 20x10x8 in in a  
 Ms of stone for cor to sec's 2, 3, 34 and 35

Marked with 2 notches on the E and

4 notches on W. edges. *Pilo. unproct*  
 No Trees in limits. *Pilo. unproct*  
 Land mountainous 80 chs

Dense Undergrowth 80 chs

Scattering Cedars and *Pinus*

Soil 4<sup>th</sup> rate

- N.  $89^{\circ}48'$  E. bet Secs 2 and 35  
 Over mountainous land and through  
 dense undergrowth and scattering  
 Cedars and Firns
- 15.00 Ascend out of Cañon diagonally
- 21.00 Top of low bluff, bearing  $S. 75^{\circ} E$  and  
 $N. 75^{\circ} W$ . continue to ascend
- 27.50 Top of rocky brink, descend
- 36.50 Bottom of Cañon course S. ascend.
- 38.50 Top of bluff bears N and S
- 40.00 Saw a lime stone  $18 \times 12 \times 6$  ins in a  
 Mid of stone for  $\frac{1}{4}$  sec cor
- 44.50 Marked  $\frac{1}{4}$  on N face  
 into impract. to fall on  
 descent to gulch.
- 61.00 Bottom of gulch. course SW. ascend.
- 72.50 Top, E side
- 80.00 Saw a lime stone  $18 \times 14 \times 10$  ins  
 in Mid of stone for Cor to sec's  
 1, 2, 35 and 36. Marked with  
 one notch on E and 5 notches

off N. Edge  
 Pile impracticable No Trees  
 Sand Mountainous 80 chs  
 Dense Undergrowth 80 chs  
 Scattering Cedars and Firuses  
 Soil 4<sup>th</sup> rate

N. 89.48. E. 6th Secs 1 and 36  
 Over rough, rocky ground and  
 through dense undergrowth  
 and scattering Cedars and Firuses

40.00 Set a Lime Stone 16x12x6 ins in  
 a Md. of Stone for 1/4 Sec Cor

51.76 Marked 1/4 on N. face  
 Pile impracticable No Trees  
 Road from Rowie Mill to Supai  
 bears S. E. and N. W.

54.13 Trail bns. S. E. and N. W.

80.00 Cor to T. 31 and 32 N. R. 1  
 and 2. W.



Land rough and rocky  
Dense undergrowth 80 chs  
Scattering Cedars and Sitons  
Soil 4<sup>th</sup> rate

Oct 24 - 1900

## A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

March 1st 1901.

The foregoing field notes of the survey of The North and West Bds. of T. 30 and 31 N. R. 12 W. and N. Bds. of T. 31 N. R. 2 W. Secs. 1 and 2 East River Meridian executed by W. Oscar Secor

under his contract No. 77, dated Aug. 29, 1900, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

U. S. Surveyor General for Arizona.