

1310

BOOK 1310

PL

F I E L D N O T E S
OF THE SURVEY OF A
PORTION OF THE EXTERIOR LINES OF

Ts. 5, 6 and 7 N., Rs. 27, 28, 29,
30 and 31 E., T. 4 N., R. 28 E.

Gila and Salt River Base and
Meridian,

ARIZONA.

By W. R. Fitzgerald, D. S. under
Contract dated July 22, 1882.
Survey commenced April 11, 1883.
Survey completed May 14, 1883.

White Mountain Indian Res.
Line, along West Bdy T. 5 N; R. 27 E.

W+	Bdy	T. 6 N;	R. 27 E,	
✓	✓	" 5 "	" 31 "	✓
✓	✓	" 6 "	" 31 "	✓
✓	✓	" 7 "	" 31 "	W Bdy in a Resurvey
✓	✓	" 5 "	" 30 "	✓
✓	✓	" " "	" 29 "	N Bdy in Resurvey
✓	✓	" 6 "	" 30 "	✓
✓	✓	" " "	" 29 "	✓
✓	✓	" 7 "	" " "	(Retracing)
✓	✓	" 4 "	" 28 "	✓
✓	✓	" 5 "	" " "	✓
✓	✓	" " "	" 27 "	✓
✓	✓	" 6 "	" 28 "	✓
✓	✓	" 7 "	" " "	✓
✓	✓	" " "	" " "	(Retracing)
✓	✓	" 6 "	" 27 "	✓
✓	✓	7	27 "	✓

258	259	261	262	263	265	236	237	239	235	232	231	146	147	148	149	150	151	152	153	6	5	4	3	2	1	69	70	71	72	73	74	1	
240						223																				67							
255	V. 9 N.	11	12			234	V. 7 N.	11	12				V. 7 N.	11	12											7	V. 7 N.	11	12				
250	R. 27 E.	14	15			246	R. 28 E.	14	15				R. 29 E.	14	15											17	R. 30 E.	14	15	16	17	18	19
252		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
250		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
249		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
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24						212																			51								
23	V. 6 N.	11	12			211	V. 6 N.	11	12				V. 6 N.	11	12										109	V. 7 N.	11	12					
22	R. 27 E.	14	15			210	R. 28 E.	14	15				R. 29 E.	14	15										110	R. 30 E.	14	15	16	17	18	19	
19		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
30		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
31		32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	
6	5	201	202	204	205	189	188	187	186	185	184	98	99	101	102	104	94	93	91	90	88	87	87	87	37	39	40	42	43	43			
7	V. 5 N.	11	12			184	V. 5 N.	11	12				V. 5 N.	11	12										82	V. 5 N.	11	12					
18	R. 27 E.	14	15			186	R. 28 E.	14	15				R. 29 E.	14	15										81	R. 30 E.	14	15	16	17	18	19	
20		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50		
30		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	
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BOOK 1310

BOOK 1310

For preliminary
 baths see book
 No. 1

Survey made with Burt's Patent
 Improved Solar Compass, erected and
 in first rate order. Made by Otto von
 Gassel, Germany, 1881.

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North	" T 7 N R 27 E	257 ^{2.00}

to Mountain Indian Reservation line along along
 boundary T. 5 N., R. 27 E., S. ^{2nd} S. R. M. S. R. M.

From the closing Standard Cor. to
 T. 5 N., R. 27 E., on E. boundary
 of W. M. I. Reservation, previously
 set by me, I run

North on a true line on W. boundary sec. 33,
 Val. $14^{\circ} 21'$ East

Ascend.

Set a lava stone, $15 \times 10 \times 8$ ins., 10 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on W. face; from which bears:

a Yellow Pine, 7 ins. dia., S. $88^{\circ} W$, 16 lks dist,
 marked $\frac{1}{4}$ S. B. V.

No other tree within limits; misc.

a mound of stone along side

Pits impracticable.

Set a post, 4 ft. long, 4 ins. square, ²⁴
 ins. in the ground for corner to

fractional sec. 25 ^{and} 33, marked

T. 5 N. R. 27 E. on E.

S. 28 on N.

S. 33 on S. and

White Mountain Indian Reservation Line, along
W. boundary T. 5 N., R. 27 E., S. 28 B.V.

Chains.

W. M. I. R. on W. face, with 1 notch
on S. ^{2nd} 5 notches on N. edges;

from which bears:

N. 47° P. in. dia., N. 37° E., 69 lks. dist.,
marked T. 5 N., R. 27 E., S. 28 B.V.

No other trees within limits; dug
pits 18 x 18 x 12 ins. E. and S. of post,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Sand mountains

Soil 3rd rate

Timber of Pine, Fir and Aspen.

Vegetation, bunch grass.

North on W. boundary sec. 28.

Val. 14° 21' East.

Ascend.

40.00 Set a post, 3 ft. long, 8 ins. square, 24
ins. in the ground, for 1/4 sec. cor.,
marked 1/4 S. on W. face;

White Mountain Indian Reservation Line, along
W. boundary T. 5 N., R. 27 E., S. 1st S. R. M.

Stations

from which bears:

A Yellow Pine, 36 ins. dia., N. 45° W., 24 lks. dist.,
marked T. 5 N.,

No other trees within limits; dug a
pit 18 x 18 x 12 ins. S. of post, 5 1/2 ft. dist.,
and raised a mound of earth, 1 1/2 ft
high, 3 1/2 ft base, around post.

S. 10 Dug a post, 4 ft. long, 4 ins. square, 24 ins.
in the ground, for corner to fractional
secs. 21 and 28, marked

T. 5 N., R. 27 E. on E.

S. 21 on N.

S. 28 on S. 1st

W. M. S. R. on W. faces, with 2 notches
on S. 1st and 4 notches on N. edges;

from which bears:

A Yellow Pine, 36 ins. dia., N. 50° E., 28 lks. dist.,
marked T. 5 N., R. 27 E., S. 21 R. M.

No other trees within limits; dug
pits 18 x 18 x 12 ins. E. and S. of post,
5 1/2 ft. dist., and raised a mound

White Mountain Indian Reservation line, along
W. boundary T. 5 N., R. 27 E., C. & S. R. M.

Charris

of earth, 2 ft. high, 4 1/2 ft. base
around post.

Land broken.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation bunchgrass.

North on W. boundary sec. 21.

Va. 14° 21' East.

Ascend gradually.

40.00 Set a lava stone, 11x10x10 ins, 7 ins. on
the ground, for 1/4 sec. cor., marked 1/4 on
W. face; from which bears:

a Fir, 24 ins. dia., C. 20° W., 10 lks. dist,
unmarked 1/4 S. B.C.

No other trees within limits; dug a pit
18x10x12 ins N. of ~~tree~~ 5 1/2 ft. dist, and
raised a mound of earth, 1 1/2 ft. high,
3 1/2 ft. base, along side.

72.00 Top of Hill, bears E. and W. and descend.

80.00 Set a post, 4 ft. long, 4 ins. square, 2 ft.

BOOK 1310
White Mountain Indian Reservation Line, along
W. boundary T. 5 N., R. 27 E., G. and S. R. M.

Chains.

ins. in the ground, for corner to
fractional sec. 16th and 21, marked
T. 5 N., R. 27 E. on E.

S. 16 on N.,

S. 21 on S. and

W. M. S. R. on W. faces, with 3 notches
on N. and S. edges; from which arose:
An aspen, 14 in. dia, N. 30° E, bolts. dist,
marked T. 5 N., R. 27 E., S. 16 B. C.

No other trees within limits; dug
pits 18 x 18 x 12 ins. E. and S. of post,
5 1/2 ft. dist, and raised a mound
of earth 2 ft. high, 4 1/2 ft. base
around post.

Land broken and hilly.

Soil 3rd rate.

Many timber of Pine, Fir and Aspen.

Vegetation, bunchgrass.

North on W. boundary sec. 16.

N. 14° 21' East.

White Mountain Indian Reservation Series, along
 40. boundary T. 5 N., R. 27 E., S. ^{2nd} S. R. M.

Lebanis.

Descend gradually.

10.00 Leave timber, bear E. ^{2nd} W.

40.00 Set a lava stone, 14 x 11 x 10 ins., 9 ins.
 in the ground, for $\frac{1}{4}$ sec. cor.,
 unmarked $\frac{1}{4}$ on W. face and raised
 a mound of stone alongside. Pits
 impracticable.

44.30 Cross Ravine, course W. ^{2nd} ascend.

60.00 Enter timber, bear E. ^{2nd} W.

80.00 Set a lava stone, 16 x 11 x 9 ins., 11 ins.
 in the ground, for corner to face.
 Secs. 9 ^{2nd} 16, marked with 4 notches
 on S. ^{2nd} 2 notches on W. edges; from which bears:
 a Fir, 10 ins. dia, 4.30° \odot , 46 lks. dist,
 marked T. 5 N., R. 27 E., S. 19 R. 1.

No other trees within limits; raised a
 mound of stone alongside.

Pits impracticable.

Land broken, Soil 3rd rate.

Timber of Pine, Fir ^{2nd} and Aspen.

Vegetation, bunchgrass.

BOOK 1310
White Mountain Indian Reservation line, along
U.S. boundary T. 5 N., R. 27 E., S. 2nd and O. R. M.

Coburn.

North on W. boundary sec. 9.

Var. $14^{\circ} 21'$ East.

Account.

24.00 Leave timber, bear E. $3/4$ W.

37.00 Enter timber, bear E. $3/4$ W.

40.00 Det a larval stone, $24 \times 12 \times 10$ ins., 18 ins.

in the ground, for $1/4$ sec. cor., marked

$1/4$ on W. face; from which bear:

A yellow pine, 24 ins. dia., N. 45° W., 24 lks. dist.,

marked $1/4$ S. B. V.

No other tree within limits; raised
a mound of stone alongside.

Pits impracticable.

50.00 Det a post, 4 ft. long, 4 ins. square,

24 ins. in the ground, for corner to

fractional secs. 4th 9, marked

T. 5 N., R. 27 E. on E.

S. 4 on N.;

S. 9 on N. and

W. M. S. R. on W. face, with 5 notches

on S. 2^{nd} and 1 notch on N. edges;

White Mountain Indian Reservation Site, along
W. boundary T. 5 N., R. 27 E., S. 4 S. R. M.

Chambers

from which cross:

A Yellow Pine, 48 ins. dia., N. 45° E., 12 lks. dist.,
marked T. 5 N., R. 27 E., S. 4 S. R. M.

A Yellow Pine, 50 ins. dia., N. 45° W., 12 lks. dist.,
marked W. M. I. R. P. I.

No other trees within limits, dug
pits 18 x 18 x 12 ins. N. 20° E. of post,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Sand broken.

Soil 3 mi. mts.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

North at W. boundary sec. 4,

N. 14° 21' East.

Acord.

40.00 A Fir tree, 8 ins. dia., which I marked
74 S. on W. face, for 1/4 sec. cor., dug
pits 18 x 18 x 12 ins. N. and S. of tree

White Mountain Indian Reservation line, along
W. boundary T. 5 N., R. 27 E., S. 2nd & 3rd R. M.

Chains.

5¹/₂ ft. dist., and raised a mound of
earth, 1¹/₂ ft. high, 3¹/₂ ft. base
around tree.

80.00 Set a post, 4¹/₂ ft. long, 4 ins. square,
24 ins. in the ground, for cor. to
fractional Tps. 5th & 6 N., R. 27 E.,
marked R. 27 E. on E.,

T. 6 N., S. 33 on N.;

T. 5 N., S. 4 on S. and

W. M. J. R. on W. faces, with 6 notches
on each edge; from which bears:

A. Yellow Pine, 10 ins. dia., S. 45° E., 14 lks. dist.,
marked T. 5 N., R. 27 E., S. 4 B.C.

No other trees within limits; dug pit
24 × 18 × 12 ins. N. & E. of post, 6 ft. dia.,
and raised a mound of earth, 2¹/₂ ft.

high, 5 ft. base, around post.

Land broken. Soil 3rd rate. Vegetation, bunchgrass
Timber of Pine, Fir & Aspen.

Scarcely examined the adjustments of my
Solar Compass today and found it correct.

April 11th 1883.

White Mountain Indian Reservation line, along
 boundary T. 6 N., R. 27 E., S. and N. R. M.
 Kansas.

Before proceeding with the exterior
 of this township, I made a change
 of 5 minutes in the latitude arc
 of my Solar Compass, by adding
 same to the reading previously
 given and at noon, verified and
 corrected same, by observation on
 the sun. I also further tested
 instrument by morning. I took the
 latitude and found it to be $33^{\circ}50'N$.
 From the corner to fractional Tps. 5
 and 6 N., R. 27 E., I run

North on W. boundary sec. 33,

Wa. $14^{\circ}23'$ East.

Over rolling land.

40.00 Set a larva stone, $12 \times 11 \times 8$ ins., 5 ins.
 in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on W. face; from which mark:

A yellow pine, 24 ins. dia., N. $30^{\circ}E$, 4 lks. dist,
 marked $\frac{1}{4}$ S. B. C.

No other trees within limits; misc

White Mountain Indian Reservation Line, along
W. boundary T. 6 N., R. 27 E., S. 28 and S. R. 28

main

a mound of stone, alongside
Pits impracticable.

58.00 Cross Creek, 6 lks. wide, course S. E.
and ascend.

80.00 A Fir tree, 12 ins. dia., which I marked
T. 6 N., R. 27 E. or E.
S. 28 or 29.

S. 33 or S. and

W. 44 S. R. or W. faces, with 1 notch
on N. and 5 notches on W. edges, for
corner to fractional sec. 28 and 33;

Aug pits 16 x 18 x 12 ins. N., E. and S.
if true, 5 1/2 ft. dist., and raised
a mound of earth, 2 ft. high,
4 1/2 ft. base around tree.

Land rolling.

Soil 3rd mts.

Timber of Pine, Fir and Aspen.

Vegetation, bunchgrasses.

White Mountain Indian Reservation line, along
W. boundary T. 6 N., R. 27 E., S. and S. R. M.

Chains

North on W. boundary sec. 28.

Wa. $14^{\circ} 23'$ East.

Ascend.

15.00 Top of Spur, bears E. $\frac{1}{2}$ W. $\frac{1}{2}$ descend.

40.00 Set a larval stone, $14 \times 11 \times 8$ ins., 9 ins.

in the ground, for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ on W. face; from which bears:

An Aspen, 8 ins. dia., $N. 60^{\circ} E.$, 30 lks. dist,
marked $\frac{1}{4}$ S. B. J.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

58.85 Cross Creek, 10 lks. wide, course E.
and ascend.

70.00 Top of Hill, bears E. $\frac{1}{2}$ W. $\frac{1}{2}$ descend.

80.00 Set a post, 4 ft. long, 4 ins square,
24 ins. in the ground, for corner to
fractional secs. 21 $\frac{1}{4}$ & 28, marked
T. 6 N., R. 27 E. on E.

S. 21 on W.

S. 28 on S. and

White Mountain Indian Reservation line, along
W. boundary T. 6 N., R. 27 E., S. 1st and S. R. 2nd.

Chamie.

W. M. I. R. on W. faces, with 2 notches
on N. face 4 notches on N. edges;

found which bears:

a Fir, 10 ins. dia, φ 30° E., 20 lks. dist.,
marked T. 6 N., R. 27 E., S. 28 B. 2.

No other trees within limits; dug
pits 18 x 18 x 12 ins. N. and E. of post,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Land broken and hilly.

Soil 3rd rate.

Heavy timber of Pine, Fir and Aspen.

Vegetation bunchy grass.

North on W. boundary sec. 21.

φ $14^{\circ} 23'$ East.

Descend.

29.00 Cross Ravine, 40 lks. wide, course
 φ 60° E. and ascend.

40.00 Hit a sandstone, 15 x 13 x 8 ins, 10 ins.

White Mountain Indian Reservation line, along
W. boundary T. 6 N., R. 27 E., S. 2nd S. R. M.

chains.

in the ground, for 14 sec. cor. marked
14 on W. face; from which bears:

a Yellow Pine, 24 ins. dia., N. 25° W., 11 lks. dist.,
marked 14 S. B. T.

No other tree within limits; raised
a mound of stone alongside

Pits impracticable.

58.00 Top of Hill, bears E. ²/₂ W. ²/₂ descend.

61.15 Cross N. Fork of Black River, 12 lks.

wide, course E. ²/₂ and ascend.

76.00 Top of Spur, bears N. W. ²/₂ S. E. ²/₂ descend.

79.00 Cross Creek, 5 lks. wide, course S. 20° E.

and ascend.

80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins.

in the ground, for cor. to fractional
secs. 16 ²/₂ and 21, marked

T. 6 N., R. 27 E. on E.,

S. 16 on 4,

S. 21 on S. and

W. M. T. R. on W. face, with 3 notches
on 4 ²/₂ and S. edges; from which bears:

White Mountain Indian Reservation line along
W. boundary T. 6 N., R. 27 E., G. and S. R. M.

Lebanon

A Fir, 34 ins. dia, S. 10° E., 36 lks. dist,
marked T. 6 N., R. 27 E., S. 27 B.V.

No other trees within limits; dug
pits 18 x 18 x 12 ins. N. and E. of post,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Land mountains.

Soil 3rd rate.

Winter of Pine in Fir.

Vegetation, bunchgrass.

North on W. boundary sec. 16.

W. $14^{\circ} 23'$ East.

Ascend.

40.00 Set a lava stone, 20 + 15 + 6 ins., N. side,
in the ground, for 1/4 sec. cor., marked
1/4 on W. face and raised a mound
of stone alongside. Pits impracticable.

46.50 Top of Ridge, near E. & W., forming
N. line of W. M. I. Reservation, and at this

White Mountain Indian Reservation line, through
T. 6 N., R. 27 E., G. and S. B. M.,

Quais.

point, set a post, 4 ft. long, 4 ins. square,
24 ins. in the ground, for cor. to fractional
sec. 16 on N.E. cor. of W. M. I. R., marked
T. 6 N., R. 27 E. on N.

S. 16 on E. and

W. M. I. R. on S. ^{and} W. face, with 4 notches
on S. ^{and} 2 notches on N. edges;

from which bear:

An Aspen, 14 ins. dia., S. 15° E., 4 1/2 lks. dist,
marked T. 6 N., R. 27 E., S. 16 B. N.

No other trees within limits; raised a
ground of stave around post. Pits
impracticable.

Land mountainous.

Soil 3rd rate.

Timber of Pine, Fir ^{and} Aspen.

Vegetation, bunchgrass.

White Mountain Indian Reservation line, through
T. 6 N., R. 27 E., S. 16 and S. E. M.

Chains

From the corner established on Reservation
line, for fractional sec. 16, I run
West on a true line through sec. 16.

W. $14^{\circ} 23'$ East.

Along top of Ridge.

12.40 Set a laral stone, $16 \times 11 \times 9$ ins., 11 ins.
in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on N. face and raised a mound
of stone along side. Pits impracticable.

52.40 A Fir tree, 14 ins. dia., which I marked
T. 6 N., R. 27 E. on N.
S. 16 on E.,
S. 17 on W. and

W. M. J. R. on S. face, with 4 notches
on E. ^{face} and 2 notches on W. ^{edges}, for
corner to fractional secs. 16 ^{and} 17;

from which bears:

A Fir, 24 ins. dia., S 60° W, 6 lks. dist,
marked W. M. J. R. B. J.

No other trees within limits; dug
pits $18 \times 18 \times 12$ ins. N, E. ^{and} W. of tree

White Mountain Indian Reservation Line, through
 6 N., R. 27 E., C. and S. R. M.

ms.

5 1/2 ft. diam., and raised a mound
 of earth, 2 ft. high, 4 1/2 ft. base around
 tree.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir, Red Spruce.

Vegetation, bunchgrass.

West on a true line, through sec. 17.

Pa. 14° 23' East.

Along top of Ridge.

40.00 A Fir tree, 14 ins. dia., which I marked

1/4 S. or N. face for 1/4 sec. cor., dug

pits 18 x 18 x 12 ins. E. and W. of tree

5 1/2 ft. diam., and raised a mound

of earth, 1 1/2 ft. high, 3 1/2 ft. base,

around tree.

80.00 Set a post, 4 ft. long, 4 ins. square

4 x 4 ins. in the ground, for cor. to

fractional secs. 17^{and} 18, marked

O. 6 N., R. 27 E. or N.

White Mountain Indian Reservation Line, through
T. 6 N., R. 27 E., S. 2nd & R. M.

ains.

S. 17 on E.

W. M. J. R. on D. and

S. 18 on W. face, with 5 notches
on E. ^{2nd} and 1 notch on W. edges;

from which bars:

A Fir, 16 in. dia, S. 41° W., 62 lks. dist,
marked W. M. J. R. B. V.

No other trees within limits; dug
pits 16 x 16 x 12 in. N., E. ^{2nd} W. of post,
5 1/2 ft. dist, and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir ^{2nd} & Aspen.

Vegetation, bunchgrass.

Went on a time line, through sec. 15.

W. 14° 23' East.

Along top of Ridge.

d.o.o. Set a post, 3 ft. long, 3 in. square, 24 in.

White Mountain Indian Reservation, ^{line, through}
 D. 6 N., R. 27 E., S. 18 and S. R. M.

in the ground, for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ S. on N. face; from which bore:
 a Fir, 18 ins. dia., S. 20° W., 31 lks. dist.,
 marked $\frac{1}{4}$ S. B. I.

No other trees within limits; raised
 a mound of stone around post. Pits
 impracticable.

0.00 a Tamarack tree, 10 ins. dia., which I
 marked ^{C. C.} S. 6 N. on N.

R. 27 E., S. 18 on E.

W. M. I. R. on S. and

R. 26 E., S. 13 on W. face, with 3
 and 6 on

notches on N., E. and W. edges, for cor.
 to fraction of S. 6 N., R. 26 and 27 E.;

from which bore:

a Tamarack, 11 ins. dia., S. 71° W., 8 lks. dist.,
 marked W. M. I. R. B. I.

No other trees within limits; dug

pits 24 x 18 x 12 ins. N., E. and W. of tree
 6 ft. dist., and raised a mound
 of earth, 2 $\frac{1}{2}$ ft. high, 5 ft. base

White Mountain Indian Reservation Line, through
 T. 6 N., R. 27 E., G. & S. R. M.

main.

around tree.

Land mountains.

Daily 3rd rate.

Heavy timber of Pine, Fir, Aspen
 and Tamarack.

Vegetation, bunch grass.

April 12th 1883.

W. boundary T. 6 N., R. 27 E., G. W. S. R. M.

Cham's

From the corner to fractioning sec. 13th 18
T. 6 N., R. 26 & 27 E. just established
on W. M. J. Reservation Line, from

North on a true line, between sec. 13th 18.
Yr. 14° 28' East.

Descend.

33 50 Set a post, 4 ft. long, 4 ins. square, 24 ins.
in the ground, for corner to sec.

7, 12, 13th and 18, marked

T. 6 N., S. 7 on N. E.

R. 27 E., S. 18 on S. E.

R. 26 E., S. 13 on S. W.

S. 12 on N. W. faces, with 4 notches
on S. and 2 notches on N. edges;

From which bear:

A Fir, 20 ins. dia., S. 87° E., 12 lbs. diet,
marked T. 6 N., R. 27 E., S. 18 18 E.

A Fir, 8 ins. dia., N. 30° W., 64 lbs. diet,
marked T. 6 N., R. 26 E., S. 13 13 E.

No other trees within limits; dug
pits 18x18x12 ins. in sec. 7th and 13,
5 1/2 ft. dia., and raised a mound

W. boundary T. 6 N., R. 27 E., S. 1st & R. M.

Claim

of earth, 2 ft. high, 4 1/2 ft. base,
around post.

Land mountainous.

Soil 3rd class.

Heavy timber of Pine, Fir & Aspen.
Vegetation, bunchgrass.

North, between secs. 7th & 12,
Va. 14° 23' East.

Descend.

7.00 Cross Fork of Colorado River, 10 lks.
wide, course N. E. & descend.

8.50 Top of Spur, bears E. & W. & descend.

10.00 A Fir tree, 12 ins. dia., which I marked
'4 O. on W. face, for '14 sec. cor.;

From which bears:

A Fir, 18 ins. dia., N. 20° E., 16 lks. dist.,
marked '4 O. B. J.

No other tree within limits; dug a
pit, 18 x 18 x 12 ins. S. of tree 5 1/2 ft. dist.
1 1/2 ft. high 3 1/2 ft. base
& raised a mound of earth around tree.

W. boundary T. 6 N., R. 27 E., S. $\frac{1}{2}$ S. R. M.

Chassis

68.83 Cross branch of Colorado River, 10 lts.
wide, course N. E. and ascend.

80.00 Set a sandstone, 24 x 16 x 8 ins., 8 ins. in
the ground, for cor. to secs. 1, 6, 7 and 12,
marked with 5 notches at S. and 1
notch at N. edges; from which brass:
a Fir, 12 ins. dia., N. 45° E., 67 lts. dist.,
marked T. 6 N., R. 27 E., S. 6 P. V.

No other trees within limits; raised a
mound of stone alongside

Pits impracticable.

Land broken.

Soil 3rd rate.

Heavy timber of Pine, Fir and Aspen.
Vegetation, bunchgrass.

Notes between secs 1 and 6,

Wa. 14° 23' East.

Ascend.

34.00 Top of Spur, brass E. & W. and descend

40.00 An Aspen tree, 12 ins. dia., which I marked

W. boundary T. 6 N., R. 27 E., S. 1/4 S. 1 R. 27 E.

Quarries

14 S. on W. face, for 14 sec. cor.;
from which bears:

A Fir, 10 ins. dia, S. 30° W, 11 lks. dist,
marked T. 6 N., S. 1 B. I.

No other trees within limits; dug a
pit 18 x 18 x 12 ins. N. of tree, 5 1/2 ft. dist
1 1/2 ft high 3 1/2 ft base
and raised a mound of earth around tree.

80.00 An Aspen, 14 ins. dia, which I marked
T. 7 N., S. 31 on N. E.

R. 27 E., S. 6 on S. E.

T. 6 N., S. 1 on S. W. face

R. 26 E., S. 36 on N. W. face, with 6

notches on each edge; from which bears:
An Aspen, 12 ins. dia, N. 22° E, 49 lks. dist,
marked T. 7 N., R. 27 E., S. 31 B. I.

A Fir 10 ins. dia, S. 19° W, 22 lks. dist,
marked T. 6 N., R. 26 E., S. 1 B. I.

No other trees within limits; dug pits
in secs. 36 and 6, 6 ft. dist, 24 x 18 x 12 ins.
and raised a mound of earth
around tree, for cor. to Sps. 6th N., R. 26th E.

W. boundary T. 6 N., R. 27 E., G. & S. R. M.

Chamis.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

April 12th 1883.

W. boundary T. 5 N., R. 31 E., S. 1st & 2nd S. R. M.

Chamis

Before proceeding further with the
 extension of these townships I made
 a change of 5 minutes in the
 latitude arc of my Solar Compass,
 by subtracting same from the
 reading previously given and at
 noon verified and corrected same
 by observation on the sun. I also
 further tested instrument by
 reversing. I took the latitude
 and found it to be $33^{\circ} 45' N.$
 From the standard cor. to S. 1st & 2nd S.,
 R. 30th & 31 E., previously set
 by me, I run
 North, between secs. 31st & 36.

Was $14^{\circ} 09' East.$

Descend gradually,

- 30.00 Cross low lag and ascend.
- 40.00 Set a lava stone, 15 x 10 x 6 in, 10 lbs,
 in the ground, for 1/4 sec. cor, marked
 1/4 on W. face, from which bears:

W. boundary T. 5 N., R. 31 E., S. 9, S. R. 11.

Examis.

An Aspen, 10 ins. dia., N. $10^{\circ} 12' E$, 37 lks. dist,
marked T. 5 N., R. 31 E.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

80.00 Set a larva stone, 24 x 14 x 5 ins., 18 ins.
in the ground, for cor. to sec.

25, 30, 31st & 36, marked with 1
notch on S. 90° 5 notches on the edges;

found which bear:

A Fir, 22 ins. dia., N. $10^{\circ} 14' E$, 18 lks. dist,
marked T. 5 N., R. 31 E., S. 31 B. 1.

A Fir, 24 ins. dia., N. $7^{\circ} 12' W$, 11 lks. dist,
marked T. 5 N., R. 30 E., S. 25 B. 1.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

Lane rolling.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

W. boundary $\text{V. } 5 \text{ N.}$, $\text{R. } 31 \text{ E.}$, $\text{S. } 25 \text{ S. R. W.}$

Chamis

North, between secs. 25th & 30.

$\text{Var. } 14^{\circ} 09' \text{ East.}$

Ascend.

25.00 Top of Ridge, trans N. W. and S. E. descend.

40.00 Set a lava stone, $18 \times 9 \times 5 \text{ ins.}$, 12 ins.

in the ground, for $\frac{1}{4}$ sec. cor, marked

$\frac{1}{4}$ on W. face; from which bear:

A Fir, 14 ins. dia, $\text{N. } 40^{\circ} \text{ E.}$, 6 lks. dist,

marked $\frac{1}{4}$ O. B. V.

No other tree within limits; raised
a mound of stone alongside

Pits impracticable.

80.00 An Aspen tree, 12 ins. dia, which I marked

$\text{V. } 5 \text{ N.}$, $\text{S. } 19 \text{ on N. E.}$

$\text{R. } 31 \text{ E.}$, $\text{S. } 30 \text{ on S. E.}$

$\text{R. } 30 \text{ E.}$, $\text{S. } 25 \text{ on S. W.}$

$\text{S. } 24 \text{ on N. W. face}$, with 2 notches on

S. $\text{and 4 notches on N. edges}$;

from which bear:

An Aspen, 10 ins. dia, $\text{N. } 11^{\circ} \text{ E.}$, 10 lks. dist,

marked $\text{V. } 5 \text{ N.}$, $\text{R. } 31 \text{ E.}$, $\text{S. } 19 \text{ B. V.}$

W. boundary T. 5 N., R. 31 E., S. 24 D. R. 21.

Lohans.

No other tree within limits; dug pits
18 x 18 x 12 ins. in secs. 24, 25th and 30,
5 ft. dist, and raised a mound of
earth around tree from Corn Sec. 19, 24, 26, 30

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.
Vegetation, bunchgrass.

North, between secs. 19th & 24,
Sta. 14° 09' East.

Descend.

40.00 Set a post, 3 ft. long, 3 ins. square,
24 ins. in the ground, for 14 sec. cor.,
marked 14 D. on W. face; from which bear:
2 Yellow Pine, 20 ins. dia., N. 7 1/2° W., 22 lks. dist,
marked 14 D. B. I.

No other tree within limits; dug a
pit 18 x 18 x 12 ins. S. of post, 5 1/2 ft.
dist, and raised a mound of earth,
1 1/2 ft. high, 3 1/2 ft. base around post.

W. boundary T. 5 N., R. 31 E., S. 2 & 3. R.M.

Loc. 100.

Set a post, 4 ft. long, 4 ins. square,
24 ins. in the ground, for cor. to
secs. 13, 18, 19th & 24, marked
T. 5 N., S. 18 or N.E.

R. 31 E., S. 19 or S.E.

R. 30 E., S. 24 or S.W. and

S. 13 or N.W. faces, with 3 notches on
N. and S. edges; from which grow:

A Yellow Pine, 4 ins. dia., N. 15th E., 100 lks. dist,
marked T. 5 N., R. 31 E., S. 18 B.C.

A Yellow Pine, 30 ins. dia., N. 20th W., 50 lks. dist,
marked T. 5 N., R. 30 E., S. 13 B.C.

No other trees within limits; dug
pits 18 x 18 x 12 ins. in secs. 19th & 24,
5th ft. dist, and raised a mound
of earth, 2 ft. high, 4th ft. base
around post.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

W. boundary V. 5 N., R. 31 E., T. 9 S. R. M.

Granite.

North, between secos. 13^{and} 18.

Gr. 14° 09' East.

Descend.

40.00 Set a lava stone, 12x9x6 ins., sub.
in the ground, for 14 sec. cor., marked
14 on W. face; from which cross:
A yellow pine, 20 ins. dia., N. 41° W., 130 lks. dist.,
marked 14 O. B. J.

No other tree within limits; raised
a mound of stone alongside
Pits impracticable.

57.00 Bear timber cross N. 80° W. W. 85° E.

62.00 Cross road, cross N. W. W. O. E.

63.00 Enter Flat, cross E. W.

72.56 Cross fence, cross N. 80° E. W. 80° W.

79.90 Cross creek, 1 lks. wide, course E.

80.00 Set a sandstone 13x12x11 ins., 9 ins.
in the ground, for cor. to secos.
7, 12, 13^{and} 18, marked with 4
notches on N. W. & notches on N.
edges and raised a mound of

W. boundary T. 5 N., R. 31 E., G. W. S. R. W.

Lokanis.

stone alongside. Pits impracticable.

Land rolling $\frac{1}{2}$ level.

Soil 1st and 2nd rate.

Timber of Pine, Fir and Aspen.

Vegetation, bunchgrass

North, between secs. 7th and 12.

Pa. 14° 09' East.

Over level land.

15.38 Corner Fence, bears N. 70° W. and S. 70° E.

17.00 Enter timber, bears E. $\frac{1}{2}$ W. and ascends.

17.20 Corner road, bears N. 70° W. and S. 70° E.

37.95 Corner road, bears N. 85° E. and S. 85° W.

40.00 Set a sandstone, 16 x 11 x 5 ins, 11 ins, in the ground, for 14 sec. cor., marked

14 on W. face; from which bears:

A yellow Pine, 18 ins. dia, S. 50° W., 26 lbs. wt.,

marked 14 O. B. V.

No other tree within limits; raised a mound of stone alongside

Pits impracticable.

W. boundary T. 5 N., R. 31 E., G. & D. R. 24.

Chains.

a house, bears S. 75° W., 100 lks. dist.

a house bears S. 65° W., 87 lks. dist.

80.00 Set a sandstone, 14 x 11 x 6 ins., 9 ins.
in the ground, for cor. to secs.

1, 6, 7th & 12, marked with 5 notches
on S. ^{end} & 1 notch on W. edges;

from which bears:

A Yellow Pine, 18 ins. dia., N. 60° W., 25 lks. dist.,
marked T. 5 N., R. 30 E., S. 1 B. V.

No other trees within limits; raised
a mound of stones alongside
Pits impracticable.

Land level and rolling.

Soil 1st and 2nd rates

Timber of Pine, Fir^{2nd} and Aspen.

Vegetation, bunchgrass

North, between secs. 1st and 6.

W. 14° 09' East.

Ascend.

8.00 Top of Spur, bears E. ^{or} W. ^{end} descend.

W. boundary T. 5 N., R. 31 E., S. ²/₄ S. R. M.

Chavis.

11.00 Cross dry Wash, 20 lks. wide, course
S. 20° W. and ascend.

20.00 Top of Spur, bear E. ²/₄ W. ²/₄ descend.

26.00 Cross Wash, 10 lks. wide, course S. 20° E.;
a spring bear E., 30 lks. dist., ²/₄ ascend.

40.00 Set a sandstone, 12 x 8 x 7 ins., P. in
the ground, for ¹/₄ sec. cor., marked
¹/₄ on W. face; from which bear:
A yellow P. in, 12 ins. dia, S. 60° E., 10 lks. dist.,
marked ¹/₄ S. B. V.

No other trees within limits; raised
a mound of stone along side
Pits impracticable.

80.00 Set a sandstone, 12 x 10 x 10 ins., P. in
in the ground, for cor. to T. ps. 5
and 6 N., R. 30 ²/₄ 31 E., marked
with 6 notches on each edge;
from which bear:
A yellow P. in, 16 ins. dia, S. 45° E., 80 lks. dist.,
marked T. 5 N., R. 31 E., S. 6 B. V.
A yellow P. in, 30 ins. dia, S. 20° W., 48 lks. dist.,

W. boundary T. 5 N., R. 31 E., G. & S. R. M.

Stains.

marked T. 5 N., R. 30 E., O. 1 B. V.

A cedar, 14 ins. dia., N. 65 W., 18 lbs. dist.

marked T. 6 N., R. 30 E., O. 36 B. V.

No other tree within limits; raised
a mound of stone alongside

Pets impracticable.

Land mountainous.

Soil 2nd and 3rd rate.

Heavy timber of Pine & Cedar.

Vegetation, bunchgrass.

N. boundary T. 5 N., R. 31 E., S. 24 S. R. M.

Charris

Before proceeding further with the extent of this township, I made a change of 5 minutes in the latitude arc of my Solar Compass, by adding same to the reading, previously given and at noon verified the corrected same, by observation on the sun. I also further tested instrument by surveying.

From the cor. to T. 5th 6th N., R. 30th 31st E., I run

East on a true line, between sec. 6th 31st

W. $14^{\circ} 15'$ East.

Ascend.

40.00 Set a sandstone $12 \times 9 \times 8$ ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face and raised a mound of stone alongside. Pits impracticable.

60.00 Top of Mountain, bear N. 2° E. and descend.

N. boundary J. 5 N., R. 31 E., S. 1/2 S. R. M.

G.M.M.

50.00 Set a post, 4 ft. long, 4 in. square,
24 in. in the ground, for cor. to sec.

S. 6, 31 ^{and} 32, marked

J. 6 N., S. 32 on N. E.

R. 31 E., S. 5 on S. E.

J. 5 N., S. 6 on S. W. ^{and}

S. 31 on N. W. faces, with 1 notch on
W. ^{and} 5 notches on E. edges;

from which bear:

A yellow Pine, 16 in. dia., S. 45° E., 150 lks. dist.,
marked J. 5 N., R. 31 E., S. 5 B. V.

No other trees within limits; raised
a mound of stone around post. Pits
impracticable.

Land mountainous.

Dial 3rd rate.

Timber of Pine ^{and} Fir.

Vegetation, bunchgrass.

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N. boundary T. 5 N., R. 31 E., S. 33 D. R. M.

Stam's

East on a true line, bet. secs. 5th and 32,

Way, 14° 12' East.

Descends

40.00 Set a sandstone, 11 x 11 x 8 ins., 7 ins. in
the ground, for 14 sec. cor., marked 14
on N. face and raised a mound of
stone alongside. Pits impracticable.

53.00 Cross Creek, 4 lks. wide, course S. E.
and ascends.

70.00 Top of Opur, from N. 2nd S. 2nd descends.

80.00 Set a lava stone, 18 x 12 x 10 ins., 12 ins.
in the ground, for cor. to secs.

4, 5, 32nd 33, marked with 4 notches
on E. and 2 notches on W. edges;

From which trace:

A yellow Pine 8 ins. dia, N. 5° 14' E., 20 lks. dist,
marked T. 6 N., R. 31 E., S. 33 B. C.

A yellow Pine, 18 ins. dia, S. 45° E., 14 lks. dist,
marked T. 5 N., R. 31 E., S. 34 B. C.

No other trees within limits; raised
a mound of stone alongside

N. boundary T. 5 N., R. 3 E., G. S. R. M.

Chains.

Pits imperativa.

Land mountains.

Soil 3rd rate.

Heavy timber of Pine, Fir & Oak.

Vegetation, bunchgrass.

East on a true line, bet. secs. 4th & 33,

Val. $14^{\circ}12'$ East.

Descend.

15.00 Cross Creek, 3 lks. wide, course $S. 80^{\circ} E.$

and ascend.

18.00 Top of Spur, trans N. ^{4th} & S. ^{4th} descend.

19.50 Cross Creek, 2 lks. wide, course S.

and ascend.

21.00 Top of Spur, trans N. ^{4th} & S. ^{4th} descend.

28.70 Cross Road, trans N. E. ^{4th} & S. W.

29.00 Cross Creek, 4 lks. wide, course $N. 70^{\circ} E.$

and ascend.

40.00 A yellow Pine, 8 in. dia, which I marked
40.0 on N. face, for 1/4 sec. cor.;

from which bears:

U. banday T. 5 N., R. 31 E., S. 34 B. V.

Locatio

A Yellow Pine, 14 ins. dia, U. 40° E., 4 3/4 kts. dist,
marked T. 4 S. B. V.

No other trees within limits; dug
a pit 18x18x12 ins. W. of tree, 5' ft.
dist, and raised a mound of
earth around tree.

60.00 Top of Spur, bears N. 20° W. D. 20' ascend.

80.00 Set a sandstone, 18x16x14 ins, 12 ins. in
the ground, for cor. to sec.

3, 4, 30th 34, marked with 3
notches on E. & W. edges; from which bears:

A Yellow Pine, 14 ins. dia, U. 20° E., 4 1/2 kts. dist,
marked T. 6 N., R. 31 E., S. 34 B. V.

A Yellow Pine, 12 ins. dia, N. 85° E., 5 kts. dist,
marked T. 5 N., R. 31 E., S. 3 B. V.

No other trees within limits; raised a stone
mound alongside. Pits impracticable.

Land mountainous.

Soil 3rd rate

Many timber of Pine, Fir and Oak.

Vegetation, burning over.

N. boundary T. 5 N., R. 31 E., S. 34 O. R. M.

Chainis.

East on a true line, between secos. 3rd & 34,
W. 14° 12' East.

Descend.

40.00 Set a sandstone, 14 x 12 x 11 ins, 9 ins.
in the ground, for 14 sec. cor., marked
14 on N. face; from which bear:

A yellow Pine, 18 ins. dia, S. 10° E., 20 lks. dist,
marked 14 S. B. T.

A yellow Pine, 6 ins. dia, N. 50° W., 55 lks. dist,
marked 14 S. B. T.

47.98 Cross road, bear N. 40° W. 2nd S. 40° E.

50.40 Cross creek, 6 lks. wide, course
S. E. and ascend.

50.00 Set a sandstone, 24 x 20 x 8 ins, 18 ins.
in the ground, for cor. to secos.

2, 3, 34th & 35, marked with 2 notches
on E. 2nd & 4 notches on W. edges;

From which bear:

A yellow Pine, 30 ins. dia, S. 87° W., 24 lks. dist,
marked T. 5 N., R. 31 E., S. 3 B. T.

No other trees within limits; miscos

U. boundary S. 5 N., R. 31 E., T. 24 S. D.R.M.

Chavis.

a mound of stone, alongside
 Pits impracticable;
 Land mountainous.
 Soil 3rd rate.
 Heavy timber of Pine, Fir
 and Oak.
 Vegetation, bunchgrass.

East on a true line, bet. secs. 2nd and 35.
 W. 14° 12' East.

Ascend.

H 3.00 Intersect Boundary Line between
 Arizona and New Mexico, at a
 point 38.70 chs. North of the
 217th Mile Corner, which is a
 granite stone set firmly in the
 ground, marked 217 on U. side;
 72° W. S. on S. side; Ariz. on W. and
 U. M. on E. sides; from which bear:
 A Yellow Pine, 14 mi. dist, S. 22° E., 50 lks. dist,
 marked 217 M. B. C.

4
 N. boundary, T. 5 N., R. 31 E., G. & C. R. M.

Chambers

• W. yellow Pine, 20 ins. dia, S. 50° W., 90 lbs. dia,
 marked 217 M. B. C.

A yellow Pine, 24 ins. dia, N. 33 1/2° W., 113 lbs. dia,
 marked 217 M. B. C., and

set a granite stone 16 x 14 x 11 ins.,

11 ins. in the ground, for closing

cor. to T. 5th & 6th N., R. 31 E.,

C. C.,
 marked with 6 notches on N.,
 S. and W. edges, and

raised a mound of stone

alongside. Pits impracticable

Land mountainous

Soil 3rd rate.

Heavy timber of yellow Pine.

Vegetation, bunchgrass.

April 16th 1883.

W. boundary T. 6 N., R. 31 E., S. 30 & R. W.

Main

From the cor. to Tps. 5th & 6th N.,
recently established by
R. 30th & 31st E. Iron

North between secs. 31st & 36.

Co. $14^{\circ} 15'$ East.

Ascend.

40.00 Set a larval stone, $20 \times 14 \times 10$ ins, 15 ins.

in the ground, for 14 sec. cor, marked
14 on W. face; from which bear:

An aspen, 7 ins. dia., N. 70° E., 16 lks. dist,
marked 14 S. B. V.

An aspen, 6 ins. dia., S. 10° W., 9 lks. dist,
marked 14 S. B. V.

40.30 Top of Ridge, bear E. & W. ^{to} descend.

60.00 Cross low bog and ascend.

80.00 Set a larval stone, $24 \times 14 \times 5$ ins, 15 ins.

in the ground, for cor. to secs.

25, 30, 31st & 36, marked with 1

notch on S. ^{on} 5 notches on W.

edges; from which bear:

A yellow pine, 10 ins. dia., N. 10° E., 12 lks. dist,

marked T. 6 N., R. 31 E., S. 30 B. V.

W. boundary T. 6 N., R. 31 E., G. & J. O. R. M.

Chairs.

- An Aspen, 5 ins. dia., N. 30° W., 7 lks. dist.,
marked T. 6 N., R. 30 E., S. 25 B. J.
No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

Land mountainous.

Soil 3rd rate

Heavy timber of Pine & Aspen.

Vegetation, bunchgrass.

North, between secs. 25th & 30.

Wa. 14° 15' East.

Ascend.

- 40.00 Set a lava stone, 14 x 10 x 4 ins., 7 ins.
in the ground, for 14 sec. Cot., marked
14 on W. face; from which trace;
An Aspen, 15 ins. dia., S. 70° E., 23 lks. dist.,
marked 14 S. B. J.
An Aspen, 10 ins. dia., S. 60° W., 17 lks. dist.,
marked 14 S. B. J.
72.00 Top of Spur, trace E. & W., descend

W. boundary T. 6 N., R. 31 E., S. 3rd S. R. M.

Manis

50.00 Set a larval stone, 15 x 11 x 6 ins., 10 ins.
in the ground, for cor. to secs.
19, 24, 25th, 30, marked with
2 notches on S. ^{2nd} & 4 notches on
W. edges; found white bears:
A Fir, 20 ins. dia., S. 40° E., 20 lks. dist.,
marked T. 6 N., R. 31 E., S. 3rd S. V.
An Aspen, 20 ins. dia., W. 20° W., 22 lks. dist.,
marked T. 6 N., R. 30 E., S. 24th S. V.
No other trees within limits; raised
a mound of stone along side. Pits
impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir ^{and} Aspen.

Vegetation, bunch grass.

North, between secs. 19th & 24th.

W. 14° 15' East.

Descend.

12.00 Bears timber, bears N., 15° W. ^{and} S. 15° E.

W. boundary T. 6 N., R. 31 E., G. & S. R. 21

Claims.

40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, deep pits 18x18x12 ins. N. and S. of post, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/4 ft. base around post.

80.00 Set a laral stone, 24x12x5 ins., 16 ins. in the ground, for cor. to secs. 13, 18, 19th and 24, marked with 3 notches on N. and S. edges and raised a mound of stone alongside. Pits impracticable.

Land mountainous

Soil 3rd rate.

Timber of Pine and Fir.

Vegetation, bunchgrass.

North, between secs. 13th & 18.

Wa. 14° 15' East

Descend.

W. boundary J. 6 N., R. 31 E., G. & S. R. M.

Chains.

20.00 Cross dry Wash, course N.W. $\frac{1}{2}$ W ascend.

30.00 Enter timber, cross E. $\frac{1}{4}$ W

40.00 Set a laral stone, $14 \times 12 \times 6$ ins, Pass
in the ground, for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ on W. face; from which brass:

a Fir, 12 ins. dia., $\frac{1}{4}$ N. 91° E., 12 lks. dist,
marked $\frac{1}{4}$ S. B. J.

a Fir, 10 ins. dia., $\frac{1}{4}$ N. 70° W., 22 lks. dist,
marked $\frac{1}{4}$ S. B. J.

80.00 Set a laral stone, $23 \times 9 \times 5$ ins.,
17 ins. in the ground, for cor. to sec.
7, 12, 13 $\frac{1}{4}$ 18, marked with 4
notches on N. $\frac{1}{4}$ W 2 notches on $\frac{1}{4}$
edges; from which brass:

An Aspen, 10 ins. dia., $\frac{1}{4}$ S. 10° E., 12 lks. dist,
marked J. 6 N., R. 31 E., S. 18 B. J.

An Aspen, 20 ins. dia., $\frac{1}{4}$ S. 15° W., 29 lks. dist,
marked J. 6 N., R. 30 E., S. 13 B. J.

No other trees within limits; raised
a mound of stone alongside

Pits imperceptible.

W. boundary J. 6 N., R. 31 E., S. 7th & R. M.

Lekans.

Land mountainous

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrasses.

North, between secs. 7th & 12.

74, 14° 15' East.

Ascend.

40.00 Set a laral stone, 13 x 12 x 5 ins, 9 ins.
in the ground, for 1/4 sec. cor, marked
1/4 on W. face and raised a
mound of stone alongside. Pits
impracticable.

80.00 Set a laral stone, 24 x 10 x 5 ins, 18 ins.
in the ground, for cor. to secs.
1, 6, 7th & 12, marked with 5
notches on S. & 1 notch on N.
edges; from which bears:
a Fir, 30 ins. dia, S. 14° E., 24 lbs. dia,
marked J. 6 N., R. 31 E., S. 7 B. V.
a Fir, 20 ins. dia, N. 11° 4' W., 47 lbs. dia,

W. boundary T. 6 N., R. 31 E., G. 2nd S. R. M.

Stairis,

marked T. 6 N., R. 30 E., S. 1 B. J.
 No other trees within limits; raised
 a mound of stone along side
 Pits impracticable.
 Lava mountains.
 Soil 3rd rate.
 Heavy timber of Pine, Fir & Aspen
 Vegetation, bunchy grass.

North, between secs. 1st & 6,
 Va. 14° 15' East.

Ascend.

40.00 Set a lava stone, 15 x 9 x 7 ins.,
 10 ins. in the ground, for 14 sec.
 cor., marked 14 on W. face and
 raised a mound of stone
 along side. Pits impracticable.

80.00 S. slope of Escaderns Mountain
 set a lava stone, 24 x 14 x 5 ins.,
 18 ins. in the ground, for cor. to
 Tps. 6th & 7th N., Rs. 30th & 31st E.,

W. boundary T. 6 N., R. 31 E., G. & D. R. M.

Chambers

marked with 6 notches on each edge; from which bears:

An Aspen, 5 in. dia, N. 80° W, 14 lks. dist, marked T. 6 N., R. 30 E., S. 1 B. V.

An Aspen, 6 in. dia, N. 40° W, 20 lks. dist, marked T. 7 N., R. 30 E., S. 36 B. V.

No other trees within limits; raised a mound of stone along side

- Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

W. boundary T. 6 N., R. 31 E., S. and S. R. W.

Chanis.

Before proceeding further with the exterior of this township, I made a change of 5 minutes in the latitude arc of my solar compass, by adding same to the reading previously given and at noon, verified and corrected same by observation on the sun. I also further tested instrument by reversing. I took the latitude and found it to be $33^{\circ} 55' N.$

From the cor. to Tps. 6th 7th, just established by me -
 Rs. 30th 31st E., I run
 East on a true line, bet. secs. 6th 31,
 Wa. $14^{\circ} 18' East.$

Ascend.

- 17.00 Top of Mountain, bear N. and S. and descend.
- 40.00 Set a sandstone, $13 \times 11 \times 6$ ins., 7 ins. in the ground, for 74 sec. cor, marked 74 on N. face; from which bears:
 a Tri, 5 ins. dia., $V. 69^{\circ} 14' E.$, 19 lks. dist.,

N. boundary T. 6 N., R. 31 E., G. 2 S. R. M.

Lobainis.

marked 14 S. B. V.

A Fir, 16 mis. dia., N. 70° W., 13 lks. dist.,

marked 14 S. B. V.

80.00 Set a larval stone, 16 x 63 x 10 mis., 11 mis. in
the ground, for cor. to secs. 5, 6, 31 & 32,marked with 5 notches on E. and 1
notch on W. edges; from which bears:

An Aspen, 8 mis. dia., N. 45° E., 10 lks. dist.,

marked T. 7 N., R. 31 E., S. 32 B. V.

A Fir, 20 mis. dia., N. 44° E., 2 lks. dist.,

marked T. 6 N., R. 31 E., S. 5 B. V.

No other trees within limits; raised
a mound of stone along side

- Peto impracticable.

Land mountainous.

Soil 3rd rate.Heavy timber of Pine, Fir & Aspen.
Vegetation, bunchgrass.

91 boundary T. 6 N., R. 31 E., S. 32 & R. M.

Shamis.

East between secs. 5^{am} & 32.

Ya. $14^{\circ}18'$ East.

Descend.

40.00 Set a larval stone, $14 \times 11 \times 9$ ins, 9 ins.
in the ground, for '4 sec. cor, marked
'4 on N. face; from which bears:
An Aspen, 8 ins. dia., N. 80° E., 5 lks. dist,
marked '4 O. B. J.

No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

80.00 Set a larval stone, $16 \times 11 \times 9$ ins, 11 ins.
in the ground, for cor. to sec.

H. S. 32^{am} & 33, marked with 4
notches on E. Ya 2 notches on W.
edges; from which bears:

A Fir, 16 ins. dia., N. 40° E., 18 lks. dist,
marked T. 6 N., R. 31 E. O. 4 B. J.

A Fir, 18 ins. dia., N. 35° W., 28 lks. dist,
marked T. 7 N., R. 31 E., O. 32 B. J.

No other trees within limits; raised

N. boundary T. 6 N., R. 31 E., G. and O. R. M.

Letrans.

a mound of stone alongside
Pits impracticable.

Land mountainous.

Soil 3rd rate

Heavy timber of Pine, Fir ^{and} Aspen.
Vegetation, bunchgrass.

East between secs. 4th and 33,

W. 14° 18' East.

Descend.

40.00 Set a sandstone, 11x10x9 ins., 7 ins.
in the ground, for 14 sec. cor., marked
14 on N. face; from which trace:
A yellow Pine, 10 ins. dia., N. 30° E., 20 lbs. dia.,
marked 14 S. B. C.

No other tree within limits; raised
a mound of stone alongside. Pits
impracticable.

63.00 Cross creek, 3 lks. wide, course
N. 6° E. and ascend.

75.00 Top of spur, trace N. ^{and} S. ^{and} descend.

U. boundary S. 6 N., R. 31 E., S. 4th and S. R. M.

Chassis

80.00 Set a post, 4 ft. long, 4 ins. square, 24 ins.

in the ground, for cor. to sec.

3, 4, 33rd and 34, marked

S. 7 N., D. 34 on N.E.

R. 31 E., D. 3 on D.E.

S. 6 N., S. 4 on S.W.th

D. 33 on N.W. faces, with 3 notches
on E. & W. edges; from which bears:

A yellow Pine, 8 ins. dia., U, 50° E., 36 lks. dist,
marked S. 7 N., R. 31 E., S. 34 B. V.

A yellow Pine, 10 ins. dia., S, 72° E., 26 lks. dist,
marked S. 6 N., R. 31 E., D. 3 B. V.

A yellow Pine, 12 ins. dia., S 50° W., 18 lks. dist,
marked S. 6 N., R. 31 E., S. 4 B. V.

No other trees within limits; dug a pit
18 x 18 x 12 ins. in sec. 33, 5 1/2 ft. dist, and
raised a mound of earth, 2 ft. high,
4 1/2 ft. base, around post.

Land maintained. Soil 3rd mte.

Heavy timber of Pine^{and} Fir.

Vegetation, bunchgrass.

N. boundary T. 6 N., R. 31 E., G. & S. O. R. 20.

Examined.

East between secs. 3rd & 34,

W. 14° 18' East.

Descend.

40.00 Set a larva stone, 30 x 20 x 18 ins.,
22 ins. in the ground, for 14 sec. cor.,
marked 14 on N. face; from which pass:
a yellow Pine, 10 ins. dia, S. 39 1/4° E., 4 lks. dist,
marked 14 S. B. V.

a yellow Pine, 8 ins. dia, N. 30° W., 3 lks. dist,
marked 14 S. B. V.

80.00 Set a larva stone, 16 x 14 x 8 ins., 11 ins.
in the ground, for cor. to secs.
2, 3, 34th & 35, marked with
2 notches on E. & 4 notches on
W. edges; from which pass:
a yellow Pine, 12 ins. dia, N. 76 1/2° E., 5 lks. dist,
marked T. 7 N., R. 31 E., S. 35 B. V.
a yellow Pine, 14 ins. dia, N. 88° W., 4 lks. dist,
marked T. 7 N., R. 31 E., S. 34 B. V.
No other trees within limits; raised
a mound of stone alongside

U. boundary T. 6 N., R. 31 E., G. 41, S. R. M.

Chavis.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine ^{and} Fir.

Vegetation, bunchgrass.

East, between secs. 21 ^{and} 35.

Wa. 14° 18' East.

Over rolling land.

39.95 Interest Boundary line between Arizona and New Mexico, 39.60 chs. S. of Mile Cor. No. 210, which is a granite stone, set firmly in the ground, marked 210 on N., 82° W. L. on S., Ariz on W. and U. M. on E. sides, with pits N. and S., in good order, 6 ft. dist.;

From which bears:

A yellow Pine, 18 in. dia., S. 71° E., 7 lks. dist, marked 210 N. B. I.

A yellow Pine, 5 in. dia., S. 80 1/4° W., 43 lks. dist,

U. boundary T. 6 N., R. 31 E., G. & S.R.M.

Claims,

marked 210 M. B. I.

a yellow Pine, 18 in. dia, N. 32° E, 10 lks. dist,

marked 210 M. B. I. and

set a lava stone, 16 x 12 x 8 in., 11 in. in
the ground, for clearing cor. to T. 6 N.

6th 7 N., R. 31 E, marked C. C. with

6 notches on N., S. & W. edges and raised
a mound of stones along side. Pits
impracticable; from which brass:

a yellow Pine, 8 in. dia, N. 50° W, 15 lks. dist,

marked T. 7 N., R. 31 E, S. 35 P. I.

a yellow Pine, 9 in. dia, S. 45° W, 20 lks. dist,

marked T. 6 N., R. 31 E, S. 21 P. I.

a yellow Pine, 8 in. dia, E, 16 lks. dist,

marked U. M. 210 M. B. I.

Land mountains.

Soil 3rd rate.

Heavy timber of yellow Pine.

Vegetation, bunchgrass.

April 17th 1883.

W. boundary T. 7 N., R. 31 E., S. 4th S. R. M.

Chanis.

From the corner to Tps. 6th & 7th N.,
recently established by me -
R. 30th & 31 E., I run

North, between secs. 31st & 36.

W. 14° 18' East.

Ascend.

35.00 Top of Ridge, bears N. 60° W. ^{2nd} and N. 60° E.
and descend.

40.00 A Fir tree, 10 ins. dia., which I marked
14 S. on W. face, for 14 sec. cor.; dug
pits 18 x 18 x 12 ins. N. ^{2nd} S. of tree,
5 1/2 ft. dist, and raised a mound
of earth around tree.

55.00 Cross Barrie, course N. E. ^{2nd} ascend.

80.00 A Fir tree, 14 ins. dia., which I marked
T. 7 N., S. 30 on N. E.

R. 31 E., S. 31 on N. E.

R. 30 E., S. 36 on S. W. ^{2nd}

S. 25 on N. W. face, with 1 notch
on S. ^{2nd} 5 notches on N. edge, for cor.
to secs. 25, 30, 31st & 36; from which bears:

An Aspen, 10 ins. dia., N. 10° E., 206 lts. dist,

40. boundary T. 7 N., R. 31 E., S. 30 P. 1.

Observations.

marked T. 7 N., R. 31 E., S. 30 P. 1.

No other trees within limits; dug pits
18 x 18 x 12 ins. in secs. 25, 31 and 36,
5¹/₂ ft. dist, and raised a mound
of earth around trees.

Land mountainous.

Soil 3rd rate.

Timbers of Pine, Fir and Aspen.

Vegetation, bunchgrass.

North, between secs. 25 and 30.

Var. 14° 18' East.

Over broken land.

40.00 Set a sandstone, 16 x 11 x 5 ins., 11 ins.,
in the ground, for ¹/₄ sec. cor, marked
¹/₄ on W. face; from which bears:
a yellow Pine, 12 ins. dia, N. 18° W., 46 lts. dist,
marked ¹/₄ S. P. 1.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

W. boundary T. 7 N., R. 31 E., G. ^{2nd} S., R. 11.

Claims.

80.00 Set a sandstone, 15 x 13 x 8 ins., 10 ins.

in the ground, for cor. to sec.

19, 24, 25th & 30, marked with 2

notches on N. ^{2nd} & 4 notches on W.

cages; from which bears:

A Pine, 12 ins. dia., W. 22° E., 68 lbs. dia.,
marked T. 7 N., R. 31 E., S. 19 B.V.

A Fir, 14 ins. dia., S. 30° E., 48 lbs. dia.,
marked T. 7 N., R. 31 E., S. 30 B.V.

No other trees within limits; raised

a mound of stone along side

Pits impracticable.

Land mountainous.

Sail 3rd rate.

Heavy timber of Pine ^{and} Fir.

Vegetation, bunchgrass.

North, between secs. 19th & 24,

W. 14° 18' East.

Over broken land.

40.00 Set a sandstone, 18 x 11 x 6 ins., 12 ins.

W. boundary T. 7 N., R. 31 E., G. and S. R. M.

Claims.

in the ground, for 1/4 sec. cor, marked
1/4 on the face; from which bears:
a yellow pine, 12 ins. dia, N. 17 1/2 W, 62 lks. dist,
marked 1/4 S. B. J.

No other trees within limits; raised
a mound of stone along side
Pits impracticable.

80.00 Set a sandstone, 16x14x11 ins., 11 ins.
in the ground, for cor. to sec. 13, 18, 19 & 24,
marked with 3 notches on N. and
S. edges; from which bears:
a yellow pine, 14 ins. dia, N. 20 W, 48 lks. dist,
marked T. 7 N., R. 30 E., S. B. J.

No other trees within limits; raised
a mound of stone along side
Pits impracticable.

Land mountainous.

Chie 3rd rate.

Timber of Pine and Fir.

Vegetation, bunchgrass.

W. boundary T. 7 N., R. 31 E., S. 2nd S. R. M.

Chewis

North, between secs. 13^{and} 18.

W. $14^{\circ}18'$ East.

Descend!

40.00 Set a sandstone, $15 \times 12 \times 5$ ins., 12 ins. in the ground, for '14 sec. cor., marked '14 on W. face; from which bears:
 a Nut Pine, 12 ins. dia., $N. 45^{\circ} E.$, 75 lks. dist., marked '14 S. B. V.

No other tree within limits; raised a mound of stone alongside
 Pits impracticable.

50.00 Set a sandstone, $18 \times 11 \times 8$ ins., 12 ins. in the ground, for cor. to Seco. 7, 12, 13^{and} 18, marked with 4 notches on S. ^{2nd} and 2 notches on N. edges; from which bears:
 a Cedar, 16 ins. dia., $S. 38^{\circ} E.$, 65 lks. dist., marked T. 7 N., R. 31 E., S. 18 B. V.
 a Nut Pine, 11 ins. dia., $S. 70^{\circ} W.$, 120 lks. dist., marked T. 7 N., R. 30 E., S. 13 B. V.

No other tree within limits; raised

From this mile on a resurvey
 See Book 1272. ↓

W. boundary T. 7 N., R. 31 E., G. 2 S. R. 21.

Locais.

a mound of stone, along side

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Timber of Pine and cedar.

Vegetation, bunchgrass.

North, between secs. 7 and 12.

W. 14° 18' East

Descend.

40.00 Set a sandstone, 20 x 16 x 8 in., 15 in.
in the ground, for 14 sec. cor., marked
14 on W. face and raised a mound
of stone along side. Pits impracticable.

80.00 Set a sandstone, 14 x 9 x 7 in., 9 in.
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 a mound
of stone along side. Pits
impracticable.

W. boundary T. 7 N., R. 31 E., S. 2nd / S. R. W.

Chambers

Land mountainous.

Soil 3rd rate.

Timber of Pine and Cedar.

Vegetation, bunchgrass.

Y. str. between secs. 1st and 6.

Val. 14° 18' East.

Descend.

40.00 Set a sandstone, 12 x 12 x 4 ins.,
1 ins. in the ground, for '14 sec.
cor., marked '14 on W. face
and raised a mound of stone
along side. Pits impracticable.

80.00 Set a sandstone, 18 x 17 x 8 ins.,
12 ins. in the ground, for cor.
to Tpo. 7th 8 N., R. 30th and 31 E.,
marked with 6 notches on
each edge and raised a
mound of stone along side.
Pits impracticable.
Land mountainous.

W. boundary T. 7 N., R. 31 E., G. 9. S. R. M.

Chain's.

Soil 3rd row.

Timber of Pine and Cedar.

Vegetation, bunchgrass.

N. boundary T. 7 N., R. 31 E., S. 2 S. R. M.

Chanis

Before proceeding further with
 the exterior of this Township, I
 made a change of 5 minutes
 in the latitude arc of my
 solar compass by adding
 same to the reading previously
 given and it was verified
 and corrected same, by
 observation on the sun. I also
 further tested instrument by
 reversing. I took the latitude
 and found it to be $34^{\circ} 00' N.$

From the cor. to Tps. 7 and 8 N.,
 R. 30th & 31st E., ^{just established by me -}
 then

East on a true line, bet. secs. 6th & 31st.

\backslash Val. $14^{\circ} 21'$ East

Ascend.

- 36.00 Top of Ridge, base N. ^{2nd} S. ^{2nd} descend.
- 40.00 Set a sandstone, $16 \times 12 \times 5$ ins., 11 ins.
 on the ground, for '14 sec. cor., marked
 '14 on N. face; from which bears:

N. boundary S. 7 N., R. 31 E., G. & S. R. M.

Chaco

A Cedar, *Pin. dia*, S. 40 W., 6 lks. dist,
marked 14 S. B. S.

No other trees within limits; raised
a mound of stone alongside.

Pits impracticable.

43.00 Enter Flat, bear N. ^W S.

80.00 Set a sandstone, 18 x 8 x 6 in., 12 in.
in the ground, for cor. to sec.

5, 6, 31 ^W 32, marked with 5
notches N. E. ^W 1 notch on W
edges and raised a mound of
stone alongside. Pits impracticable.

Land broken and level.

Soil 2nd ^W 3rd rate.

Timber of Pine.

Vegetation, *Amelanchier*.

East on a true line, bet. sec. 5 ^W 32

Wa. 14° 21' East.

Over level land.

17.00 Leave Flat, bear N. ^W S. ^W record.

N. boundary T. 7 N., R. 31 E., G. W. C. R. M.

Phacis

40.00 Set a sandstone, $17 \times 12 \times 10$ ins., 11 ins.
in the ground, for $1/4$ sec. cor., marked
 $1/4$ on N. face and raised a mound
of stone alongside. Pits impracticable.

49.00 A water tank, brass N., 50 lks. dist.

80.00 Set a sandstone, $16 \times 6 \times 6$ ins., 11 ins.
in the ground, for cor. to secs.
4, 5, 32nd and 33, marked with 4
notches on E. and 2 notches on
W. edges and raised a mound of
stone alongside. Pits impracticable.
Land level in milling.

Dial 2nd and 3rd rates

Timber of Paie.

Vegetation, bunch grass.

East on a true line, bet. secs. 4 and 33,

W. $14^{\circ} 21'$ East.

Descend.

18.00 Cross Cañon, 25 lks. wide, cross

N. and over broken land.

N. boundary T. 7 N., R. 31 E., S. 2 S. R. 14 W.

Chambers.

40.00 Set a sandstone, $14 \times 12 \times 4$ ins, 9 ins,
in the ground, for 44 sec. cor.,
marked 44 on N. face; from which bears:
A Cedar, 20 ins. dia, N. 25° W., 47 lks. dist,
marked 44 S. B. V.

No other tree within limits; raised
a mound of stone alongside. Pits
impracticable.

56.00 Cross Cañon, 40 lks. wide, course
N. 20° E. and ascend.

80.00 Set a sandstone, $16 \times 13 \times 5$ ins, 11 ins,
in the ground, for cor. to sects.
3, 4, 33rd & 34, marked with 3
notches on E. & W. edges and
raised a mound of stone
alongside. Pits impracticable.
Land broken.

Soil 3rd rate.

Trunks of Cedar and Juniper.
Vegetation, bunchgrass.

U. boundary S. 7 N., R. 31 E., T. 9 S. / S. R. M.

Chambers

East on a true line, bet. secs. 3rd & 34th.

Wa. $14^{\circ} 21'$ East.

Ascend.

- 3.00 Top of Peak, bear N. ^{2nd} / S. ^{2nd} descend.
- 27.00 Cross Creek, 10 lks. wide, course N. ^{2nd} / W ascend.
- 37.00 Top of Peak, bear N. ^{2nd} / S. ^{2nd} descend.
- 40.00 Set a sandstone, 24 x 12 x 4 ins., 18 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; from which bears:
- A Cedar, 30 ins. dia., S. 45° W., 57 lks. dist., marked $\frac{1}{4}$ S. B. V.

No other trees within limits; raised a mound of stone alongside

Pits impracticable.

- 50.00 Set a post, 4 ft. long, 4 ins. square, 24 ins. in the ground, for cor. to Secs. 2, 3, 34th & 35, marked S. 8 N., S. 35 on N. E.
- R. 1 E. & 2 on S. E.
- S. 7 N., S. 3 on S. W. ^{2nd}
- S. 34 on N. W. face, with 2 notes

BOOK 131
N. boundary, T. 7 N., R. 31 E., G. & O. R. 24

Chainis.

on E. $\frac{2}{3}$ 4 notches on W. edges;

From which bear:

A Nut Pine, 10 in. dia, S. $10^{\circ} 14'$ E., 114 lbs. dia,
marked T. 7 N., R. 31 E., S. 2 B. 7.

No other trees within limits; dug

potholes $15 \times 15 \times 12$ in. in sec. 3, 34 $\frac{2}{3}$ 35,

5 $\frac{1}{2}$ ft. dia, and raised a mound
of earth, 2 ft. high, 4 $\frac{1}{2}$ ft. base
around prot.

Land broken.

Sail 3rd rate.

Timber of Pine, Cedar & Juniper.

Vegetation, bunchgrass.

East on a true line, bet. sec. 2 $\frac{2}{3}$ 35,

Var. $14^{\circ} 21'$ East.

Descend!

39.50 Intersect Boundary Line between
Arizona $\frac{2}{3}$ New Mexico, 39.50 chs. N.
of the 205th Mile Corner, which is a
lava stone, set firmly in the ground.

N. boundary T. 7 N., R. 31 E., G. 2nd S. S. M.

Charris

Marked 205 on N., 32° W. S. on
S., Ariz. on W. and N. M. on
E. sides, with pits, in good order,
6 ft. dist., and set a post,
4 1/2 ft. long, 4 in. square, with
marked stone, 12 in. in the ground, for
closing Cor. to Tps. 7th and 8th N.,
R. 31 E., marked
C. C. R. 31 E. on W.

T. 8 N., S. 35 on N. end

T. 7 N., S. 2 on S. faces, with 6
notches on N., S. and W. faces, and
pits 24 x 18 x 12 in. crosswise on
each line, N., S. and W. of post, 6 ft.
dist., and raised a mound of
earth, 2 1/2 ft. high, 5 ft. base
around post.

Land mountainous. Soil 3rd rate.
Timber of Pine and Juniper.
Vegetation, bunchgrass.

April 18th 1880.

Chanis.

Before proceeding with the
 exterior of this Township, I made
 a change of 15 minutes in the latitude
 arc of my Solar compass, by
 subtracting same from the reading
 previously given and at noon,
 verified ^{and corrected} same, by
 observation on the sun. I also
 further tested instrument by running
 from the Standard Cor. to Tpo. 5th,
 R. 29th & 30th E., previously set by
 me, I run
 North, between sec. 31st & 36th,
 Va. 14° 12' East.

Ascend.

- 5.00 Top of Spur, bear N. W. ^{2nd} & S. E. ^{2nd} descend.
- 22.00 Cross Ravine, 40 lks. wide, course
S. 20° E. and ascend.
- 26.00 Top of Spur, bear E. ^{2nd} & W. ^{2nd} descend.
- 31.00 Cross Ravine, 20 lks. wide, course
S. 30° E. and ascend.

W. boundary T. 5 N., R. 30 E., G. W. S. R. M.

Chacois.

40.00 Set a sandstone, 18x16x11 ins., 12 ins.
in the ground, for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on W. face; from which bears:
A yellow Pine, 14 ins. dia, N. 60° W., 21 lks. dist.,
marked $\frac{1}{4}$ S. B. 27.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

80.00 Set a sandstone, 16x11x9 ins., 11 ins. in the
ground, for cor. to sees 25, 30, 31 & 36,
marked with 1 notch on S. and 5
notches on N. edges; from which bears:
A yellow Pine, 20 ins. dia, N. 71° E., 40 lks. dist.,
marked T. 5 N., R. 30 E., S. 30 B. 27
A yellow Pine, 8 ins. dia, N. 45° W., 35 lks. dist.,
marked T. 5 N., R. 29 E., S. 25 B. 27.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

Land mountainous.

Soil 3rd rate.

W. boundary T. 5 N., R. 30 E., G. & L. R. M.

Chanis.

Heavy timber of Pine and some Oak,
Vegetation, bunch grass.

North, between secs. 25th and 30.

Co. 14° 12' East.

Ascend.

40.00 Set a larva stone, 18 x 16 x 14 in., 18 in.
in the ground, for '44 sec. cor., marked
'44 on W. face; from which bears:
A yellow Pine, 8 in. dia., N. 20° W., 8 1/2 lks. dist.,
marked '44 D. B. C.

No other trees within limits; raised
a mound of stone along side

W. Pits impracticable.

80.00 Set a spot, 4 ft. long, 4 in. square,
24 in. in the ground, for cor. to
secs. 19, 24, 25th and 30, marked
T. 5 N., S. 19 on N.E.,
R. 30 E., S. 30 on S.E.,
R. 29 E., S. 25 on S.W. and
S. 24 on N.W. faces, with 2 notches

W. boundary T. 5 N., R. 30 E., S. 19 S. R. M.

Chanis.

on N. ^{2nd} H. notches on Y. edges;

From which bears:

A yellow Pine, 10 in. dia., N. 10° E., 50 lbs. dia.,
marked T. 5 N., R. 30 E., S. 19 S. R. M.

A yellow Pine, 36 in. dia., S. 60° E., 14 lbs. dia.,
marked T. 5 N., R. 30 E., S. 30 S. R. M.

No other trees within limits; dug
pits 18 x 18 x 12 in. in secs. 24th & 25,
5th ft. dia., and raised a mound
of earth, 2 ft. high, 4th ft. base
around pit.

Land mountains.

Soil 3rd rate.

Heavy timber of Pine and some Oak,
Vegetation, bunchgrass.

North, between secs. 19th & 24.

Var. 14° 12' East.

Ascend.

10.00 Top of Hill, bears N. E. and S. W. & descend.

11.37 a yellow Pine, 36 in. dia.

W. boundary T. 5 N., R. 30 E., G. 2 S. R. M.

Chains

40.00 A Fir tree, 8 ins. dia., which I marked
1/4 S. W. face, for 44 sec. cor.;

From which brass:

A Fir, 4 ins. dia., N. 70° E., 15 lks. dist.,
marked 1/4 S. B. V.

A Fir, 14 ins. dia., S. 45° W., 11 lks. dist.,
marked 1/4 S. B. V.

48.00 Terra low fog and ascends.

60.00 Top of Hill, bears N. E. 1/2 S. W. 1/2 S. W. 1/2 S. W.

80.00 Set a lava stone, 20 x 16 x 12 ins., 8 ins.

in the ground, for cor. to sec.

13, 14, 19th & 24, marked with 3

notches on N. 1/2 S. E. edges; from which brass:

A Yellow Pine, 12 ins. dia., S. 45° W., 3 lks. dist.,
marked T. 5 N., R. 29 E., S. 24 B. V.

No other trees within limits; raised a
quand of stone along side corner
stone. Pits impracticable.

Land hilly. Soil 3rd rate.

Heavy timber of Pine and Fir.

Vegetation, bunch grass.

W. boundary, T. 5 N., R. 30 E., S. 2nd S. R. M.

Quartz

North, between secs. 13rd & 18,

Ta. 14° 12' East.

Descend.

35.00 Cross Creek, 6 lks wide, course N. ²/₄ ascend.

40.00 Set a larval stone, 14 x 11 x 8 ins, Pure,
in the ground, for '4 sec. cor, marked
74 on W. face; from which bears:
A yellow Pine, 36 ins. dia., N. 50° W., 20 lks. dist,
marked 74 S. B. C.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

77.80 Top of Hill, cross E. ²/₄ W. ²/₄ descend.

80.00 Set a larval stone, 18 x 16 x 11 ins, Pure,
in the ground, for cor. to secs.
7, 12, 13rd & 18, marked with 4
notches on S ²/₄ 2 notches on
N. edges; from which bears:
A yellow Pine, 24 ins. dia., N. 30° E., 38 lks. dist,
marked T. 5 N., R. 30 E., S. 7 B. C.
A yellow Pine, 30 ins. dia., N. 20° W., 50 lks. dist,

W. boundary T. 5 N., R. 30 E., S. 13 B. 7.

Chassis.

Marked T. 5 N., R. 29 E., S. 13 B. 7.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

Land Tilly.

Soil 3rd rate.

Many timber of Pine & some Oak,
Vegetation, bunchgrass.

North, between secos. 7th & 12.

Var. 14°-12' East.

Descent.

30.00 Corres low tag and ascend.

40.00 Set a larva stone, 18x16x10 ins., 12 ins.
in the ground, for 1/4 sec. cor., marked
1/4 on W. face; from which brass:

A yellow Pine, 48 ins. dia., N. 45° W., 42 lks. dist.,
marked 1/4 S. B. 7.

A yellow Pine, 9 ins. dia., N. 5 1/4° W., 63 lks. dist.,
marked 1/4 S. B. 7.

45.70 A yellow Pine, 48 ins. dia.

W. boundary T. 5 N., R. 30 E., S. 1/4 S. R. M.

Cham's.

So. 00 Set a lava stone, $11 \times 14 \times 9$ ins., 12 ins.
in the ground, for cor. to secs.
1, 6, 7 and 12, marked with 5
notches at S. $1/4$ / notch on N.
edges; from which bears:
A yellow Pine, 24 ins. dia., S. 83° E., 44 lbs. dia.,
marked T. 5 N., R. 30 E., S. 7 B. 7.
A yellow Pine, 8 ins. dia., S. 65° W., 22 lbs. dia.,
marked T. 5 N., R. 29 E., S. 12 B. 2.
A yellow Pine, 10 ins. dia., N. 45° W., 32 lbs. dia.,
marked T. 5 N., R. 29 E., S. 1 B. 7.
No other trees within limits; raised
a mound of stone along side
Pits impracticable.
Land hilly and broken.
Dirt 3rd rate.
Many timber of Pine and some Oak.
Vegetation, bunchgrass.

North, between secs. 1 and 6.

Wa. $14^{\circ} 12'$ East.

W. boundary T. 5 N., R. 30 E., G. $\frac{2}{4}$ S. R. 11.

Chain's.

Ascend.

- 8.00 Top of Hill, bear E. $\frac{2}{4}$ W. $\frac{2}{4}$ descend.
- 32.00 Leave timber $\frac{2}{4}$ enter Flat, bear E. $\frac{2}{4}$ W.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. or W. face, dug pits 18x18x12 ins. $\frac{1}{4}$ S. of post, 5 $\frac{1}{2}$ ft. dist, and raised a mound of earth, 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base around post.
- 49.00 Leave Flat, ascend $\frac{2}{4}$ enter timber, bear N. W. $\frac{2}{4}$ S. E.
- 56.00 Top of Spur, bear E. $\frac{2}{4}$ W. $\frac{2}{4}$ descend.
- 63.00 Leave timber $\frac{2}{4}$ enter Flat, bear E. $\frac{2}{4}$ W.
- 77.00 Leave Flat $\frac{2}{4}$ enter timber bear E. $\frac{2}{4}$ W. and ascend.
- 80.00 Set a post, 4 $\frac{1}{2}$ ft. long, 4 ins. square, 24 ins. in the ground, for cor. to Tps. 5 $\frac{2}{4}$ 6 N., R. 29 $\frac{2}{4}$ 30 E., marked T. 6 N., S. 31 or N. E., R. 30 E., S. 6 or S. E.

W. boundary T. 5 N., R. 30 E., S. 31 B. C. M.

Claims

T. 5 N., S. 1 on S.W. ^{2nd}
R. 29 E., S. 36 on N.W. faces, with
6 notches on each edge;

From which trees:

A yellow Pine, 16 in. dia, N. 40° E., 137 lbs. wt.,
marked T. 6 N., R. 30 E., S. 31 B. C.

A yellow Pine, 14 in. dia, S. 30° W., 200 lbs. wt.,
marked T. 5 N., R. 29 E., S. 1 B. C.

No other trees within limits; mixed
a mound of stone around post.
Pits impracticable.

Land rolling, level and broken.

Soil 2nd and 3rd rate.

Heavy timber of Pine.

Vegetation, bunchgrass.

April 20th 1883.

N. boundary T. 5 N., R. 30 E., G. & S. R. M.

Claims.

Before proceeding further with the
 extent of this Township, I made
 a change of 5 minutes in the
 latitude arc of my Solar Compass,
 by adding same to the reading
 previously given and at noon,
 verified and corrected same, by
 observation on the sun. I also
 further tested instrument by reversing.

From the Cor. to Tps. 5th & 6th N., R.
 29th & 30th E., I run

East on a random line, between said Tps.

Wa. $14^{\circ}15'$ East.

I set temporary half-mile and mile
 corners at each 40th and 80th chs., and find
 the T^p. line to be 5 miles, 79 chs. and
 70 lks. long and the facing to be
 84 lks. North of cor. to Tps. 5th & 6th,
 R. 30th & 31st E., previously set by me.
 The correction for the true line will
 therefore be 14 lks. South and

N. boundary T. 5 N., R. 30 E., S. 1st S. R. M.

Quais

30 lks. West per mile and its
course will be $N. 89^{\circ} 54' W.$

From the cor. to Tps. 5th and 6th N.,

Rs. 30th and 31st E., I run

$N. 89^{\circ} 54' W.$ a true line, bet. secs. 1st and 36th

$W. 14^{\circ} 15' East,$

Over broken land.

40.00 Set a post, 3 ft. long, 3 ins. square, 24 ins.

in the ground, for $1/4$ sec. cor., marked

$1/4 S.$ on $N. face$; from which bear:

a yellow Pine, 8 ins. dia., $N. 30^{\circ} E.$, 78 lks. dist.

marked $1/4 S. B. I.$

No other trees within limits; dug a

pit $18 \times 15 \times 12$ ins. $W.$ of post, 5th ft.

dist., and raised a mound of

earth, 1st ft. high, 3rd ft. base

around post.

50.00 Set a post, 4 ft. long, 4 ins. square, 24 ins.

in the ground, for cor. to secs.

1, 2, 35th and 36th, marked

$S. 6 N.$, $S. 36$ on $N. E.$

N. boundary T. 5 N., R. 30 E., S. 36 B. 11.

Lebanon

R. 30 E., S. 1 on S. E.,

T. 5 N., S. 2 on N. W. ^{2nd}

S. 35 on N. W. faces, with 1 notch
on E. ^{2nd} 5 notches on W. edges;

From which trees:

A Yellow Pine, 36 in. dia., 41.2° E., 43 lbs. dia.,
marked T. 6 N., R. 30 E., S. 36 B. 11.

A White Oak, 18 in. dia., S. 15° W., 42 lbs. dia.,
marked T. 5 N., R. 30 E., S. 2 B. 11.

No other trees within limits; dug

pits 18 x 18 x 12 in., in sec. 1 ^{2nd} 35,

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

Land broken.

Soil 3rd rate.

Heavy timber of Pine ^{2nd} and some Fir ^{2nd} and Oak.

Vegetation, bunchgrass.

N. 89° 54' W. on a true line, bet. sec. 3 ^{2nd} 35.

W. 14° 15' East.

Acene.

N. boundary $V. 5 N$, $R. 30 E$, $S. \frac{2}{4}$ $O. R. M.$

blains.

23.00 Top of Spur, bears $N. \frac{2}{4}$ $S. \frac{2}{4}$ descend

40.00 Set a sandstone, $15 \times 15 \times 18$ ins., 10 ins.
in the ground, for '14 sec. cor, marked
'14 on N. face; from which bears:
a yellow Pine, 19 ins. dia, $V. 30^{\circ} E$, 37 lks. dist.,
marked '14 S. B. V.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

80.00 Set a sandstone, $24 \times 15 \times 12$ ins.,
18 ins. in the ground, for cor. to
secs. 2, 3, 34th and 35, marked with
3 notches on E. $\frac{2}{4}$ and 4 notches on W.
edges; from which bears:

a yellow Pine, 20 ins. dia, $N. 50^{\circ} E$, 23 lks. dist.,
marked $V. 6 N$, $R. 30 E$, $S. 35 B. V.$

a yellow Pine, 10 ins. dia, $V. 14^{\circ} W$, 34 lks. dist.,
marked $V. 5 N$, $R. 30 E$, $S. 3 B. V.$

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

U. boundary T. 5 N., R. 30 E., G. W. S. R. M.

Chambers

Land broken.

Soil 3rd rate.

Many timber of Pine & some Fir & Oak.

Vegetation, bunchgrass.

N. 89° 54' W. on a true line, bet. secs. 3rd & 34.

W. 14° 15' East.

Descend.

40.00 Set a sandstone, 12x10x8 ins, 8 ins. in the ground, for 1/4 sec. cor., marked 44 on N. face; from which brass:

A yellow Pine, 20 ins. dia., S. 60° E., 100 yds. dist., marked 44 O. B. T.

No other trees within limits; raised a mound of stone alongside.

Pits impracticable.

80.00 Set a sandstone, 12+12x4 ins, 8 ins, in the ground, for cor. to secs.

3, 4, 33rd & 34, marked with 3 notches on E. & W. edges;

from which brass:

W. boundary T. 5 N., R. 30 E., S. 4th S.R.W.

2/11/18

A White Oak, 16 ins. dia, S. 75° W., 19 lks. dist,

marked T. 5 N., R. 30 E., S. 4th S.

A White Oak, 14 ins. dia, N. 70° W., 49 lks. dist,

marked T. 6 N., R. 30 E., S. 33rd S.

No other trees within limits; raised

a mound of stone along side

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Few timber of Pine & some Fir & Oak.

Vegetation, bunchgrass.

N. 59° 54' W. on a true line, bet. sec. 4th & 33.

W. 14° 15' East.

Descend

11.20 Cross Creek, 10 lks. wide, course

S. 30° E. and ascend.

20.00 Top of Spur, Cross N. & S. descend.

27.72 Cross Creek, 8 lks. wide, course

N. 80° E. and ascend.

40.00 Set a sandstone, 12 x 12 x 12 ins.,

N. boundary T. 5 N., R. 30 E., S. 2 S. R. M.

Claims.

Pits in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face; from which brass:
A Yellow Pine, 20 ins. dia., N. 45° W., 41 lks. dist.,
marked $\frac{1}{4}$ S. B. V.

No other trees within limits; raised
a mound of stone alongside.

Pits impracticable.

69.00 Top of Spur, brass N. $\frac{3}{4}$ / S. $\frac{1}{4}$ descender

80.00 Set of sandstone, 16 x 12 x 4 ins., 11 ins.
in the ground, for cor. to sec. 4, 5, 32 x 33,

marked with 4 notches on E. $\frac{3}{4}$ 2
notches on W. edges; from which brass:
A Fir, 12 ins. dia., S. 15° W., 10 lks. dist.,
marked T. 5 N., R. 30 E., S. 5 B. V.

A Fir, 10 ins. dia., N. 11 $\frac{1}{4}$ ° W., 6 lks. dist.,
marked T. 6 N., R. 30 E., S. 32 B. V.

No other trees within limits; raised
a mound of stone alongside.

Pits impracticable.

Land mountains.

Soil 3rd rate.

Chains

Heavy timber of Pine & Fir.
Vegetation, bunchgrass.

U. 89' 54" W. on a true line, bet. sec. 5th & 32
Va. 14° 15' East.

Descend.

40.00 Set a sandstone, 18 x 15 x 3 ins., 12 ins.
in the ground, for 1/4 sec. cor.,
marked '14 on U. face;

from which bear:

A yellow Pine, 10 ins. dia., N. 30° E., 54 lks. dist.,
marked '14 S. B. T.

No other tree within limits; raised
a mound of stone alongside
Pits impracticable.

80.00 Set a sandstone, 16 x 12 x 6 ins., 11 ins.
in the ground, for cor. to sec.

5, 6, 31st & 32, marked with 5
notches on E. end & 1 notch on W.
edges; from which bear:

A yellow Pine, 30 ins. dia., N. 50° E., 20 lks. dist.,

N. boundary, T. 5 N., R. 30 E., G. & S. R. M.

Chain.

marked T. 6 N., R. 30 E., S. 32 B. C.

A White Oak, 8 in. dia., S. 47° E., 25 ft. high.

marked T. 5 N., R. 30 E., S. 5 B. C.

No other trees within limits; raised a mound of stone along side

Pits impracticable.

Land rolling.

Soil 3rd rate.

Heavy timber of Pine & some Oak.

Vegetation, barberry, etc.

N. 87° 54' W. on a true line, bet. sec. 6 & 31.

W. 14° 15' East.

Descend.

40.00 Set a sandstone, 36 x 24 x 18 in., 27 in. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; from which bears: a yellow Pine, 8 in. dia., N. 30° E., 9 ft. high, marked 1/4 S. B. C.

No other trees within limits; raised a mound of stone along side

75
N. boundary T. 5 N., R. 30 E., S. 1/4 S. R. M. 1/4

Blainie

Pits impracticable.

79.70 The cor. to Tps. 5th & 6th N., R. 29th & 30th E.

Land rolling.

Soil 3rd rate.

Heavy timber of Pine & some Oak.

Vegetation, bunchgrass.

April 21st 1883.

76
 N. boundary T. 5 N., R. 29 E., G. & S. R. M.

Quarries.

From the cor. to Tps. 5th & 6th N., R.
 recently established by me
 29th & 30th E., I run

West on a random line, bet. said Tps.

Wa. $14^{\circ}15'$ East.

I set temporary half-mile and mile
 corners at each 40th and 80th, and
 find the Township line to be 6 miles,
 40 lks. long and the facing to be
 110 lks. North of cor. to Tps. 5th & 6th
 N., R. 28th & 29th E. The correction
 for the true line will therefore be
 $18\frac{1}{2}$ lks. South & 40 lks. east per
 mile and its course will be $N. 89^{\circ}52'$ E.

From the cor. to Tps. 5th & 6th N.,

R. 28th & 29th E., previously set by me,
 I run

$N. 89^{\circ}52'$ E. on a true line, bet. secs. 6th & 31.

Wa. $14^{\circ}15'$ East.

Descend.

13.40 Enter timber, cross N. and N.

40.40 Get a lava stone, $15 \times 9 \times 5$ ins., 10 ins.

U. boundary V. 5 N., R. 29 E., S. 9th N. R. M.

Uranis

in the ground, for 1/4 sec. cor, marked
1/4 on W. face; from which bears:
A Fir, 12 ins. dia., N. 70° E., 27 lks. dist,
marked 1/4 N. B. V.

No other trees within limits; raised
a mound of stones alongside

Pits impracticable.

58.20 Cross Black River, 20 lks. way, course
N. 9th ascend.

80.40 Set a larval stone, 20x14x3 ins, 15 ins.
in the ground, for cor. to secs.
5, 6, 31st & 32, marked with 5
notches on E. 9th & 1 notch on W.
edges; from which bears:

A Yellow Pine, 48 ins. dia., N. 20° E., 22 lks. dist,
marked V. 5 N., R. 29 E., S. 5 B. V.

A Yellow Pine, 23 ins. dia., N. 39 1/2 W., 38 lks. dist,
marked V. 6 N., R. 29 E., S. 31 B. V.

No other trees within limits; raised
a mound of stones alongside

Pits impracticable.

N boundary of 5 N., R. 29 E., G. 9th S. R. M.

Chain.

Land monument.

Dist 32nd.

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

N 89° 52' E, on a true line, bet. secs. 5th 32,

W. 14° 18' East.

Ascend.

39.50 Top of Ridge, bears N. 90° S. 1/4 descend

40.00 Set a laval stone, 18 x 9 x 3 ins, 12 ins,

in the ground, for 1/4 sec. cor.,
marked 1/4 on N. face; from which bears:

A yellow Pine, 14 ins. dia., N. 70° E., 22 lks. dist,

marked 1/4 S. B. T.

A yellow Pine, 19 ins. dia., N. 60° W., 6 lks. dist,

marked 1/4 S. B. T.

55.92 Cross Creek, 8 lks. wide, course S. W.
and ascend.

80.00 Set a laval stone, 15 x 11 x 5 ins, 10 ins,

in the ground, for cor. to secs.

4, 5, 32nd and 33, marked with 1/4

49

U. boundary $\text{N. } 5^{\circ} \text{W.}$, $\text{R. } 29^{\circ} \text{E.}$, $\text{S. } 4^{\circ} \text{W.}$ $\text{S. } 1^{\circ} \text{W.}$

Chains

notches on E.^{rd} 2 notches on
W. edges; from which brass:
A F. , 14 ins. dia, $\text{D. } 20^{\circ} \text{E.}$, 20 lbs. dist,
marked $\text{N. } 5^{\circ} \text{W.}$, $\text{R. } 29^{\circ} \text{E.}$, $\text{S. } 4^{\circ} \text{W.}$
A F. , 20 ins. dia, $\text{U. } 30^{\circ} \text{W.}$, 19 lbs. dist,
marked $\text{N. } 6^{\circ} \text{W.}$, $\text{R. } 29^{\circ} \text{E.}$, $\text{S. } 32^{\circ} \text{W.}$

No other trees within limits;
raised a mound of stone along
Pits impracticable
Land mountains.

Soil 3rd rate.

Heavy timber of Pine & Fir.

Vegetation, bunch grasses.

$\text{U. } 89^{\circ} 52' \text{E.}$ on a true line, bet. sec. 4th & 33,

$\text{Ua. } 14^{\circ} 18' \text{East.}$

Ascend.

40.00 Set a post, 3 ft. long, 3 ins. square,
24 ins. in the ground, for 14 sec. cor,
marked 14 D. on W. face;

from which brass:

U. boundary T. 5 N., R. 29 E., G. & I. R. W.

Lekamis

An Aspen, 14 ins. dia., $N. 75^{\circ} W.$, 78 lbs. dia.,
marked T. 4 S. B. C.

No other tree within limits; dug a
pit 18x18x12 ins. E. of post, 5 1/2 ft.
dist, and raised a mound of earth,
1 1/2 ft. high, 3 1/2 ft. base around post.

80.00 Set a larva stone, 18x11x3 ins., 12 ins. in
the ground, for cor. to sec. 3, T. 4, S. 33 & 34,
marked with 3 notches on E. and

W. edges; from which bears:
a yellow Pine, 18 ins. dia., $N. 30^{\circ} E.$, 54 lbs. dia.,
marked T. 6 N., R. 29 E., S. 34 B. C.

A yellow Pine, 24 ins. dia., $S. 55^{\circ} E.$, 56 lbs. dia.,
marked T. 5 N., R. 29 E., S. 3 B. C.

A yellow Pine, 20 ins. dia., $N. 39^{\circ} W.$, 45 lbs. dia.,
marked T. 6 N., R. 29 E., S. 33 B. C.

No other tree within limits; raised
a mound of stone along side

Pits impracticable

Land broken

Over 3rd rail

N. boundary T. 5 N., R. 29 E., G. 2 S. R. M.

Chassis

Heavy timber of Pine ^{and} some Aspen.
Vegetation, bunch grass.

N. 89° 52' E. and true line, bet. sec. 3rd and 34,
Va. 14° 18' East.

Ascend.

- 9.00 Top of Ridge, bears N. ^{and} S. ^{and} descend.
- 28.00 Enter Flat, bears N. ^{and} S.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for ^{1/4} sec. cor., marked 14 S. on N. face, dug pits 18 x 18 x 12 ins. E. ^{and} W. of post, 5 ^{1/2} ft. dist., and raised a mound of earth, 1 ^{1/2} ft. high, 3 ^{1/2} ft. base, around post.
- 63.00 Leave Flat, bears N. ^{and} S. ^{and} ascend.
- 80.00 Set a sandstone, 18 x 12 x 6 ins., 12 ins. in the ground, for corner to sec. 2, 3, 34 ^{and} 35, marked with 2 notches on E. ^{and} 4 notches on W. edges; from which bears;

U. boundary T. 5 N., R. 29 E., G. & S. R. M.

Sham's

An Aspen, 12 ins. dia., N. 87° E., 35 lks. dist.,

marked T. 5 N., R. 29 E., S. 2 B. C.

A yellow Pine, 20 ins. dia., N. 74° W., 22 lks. dist.,

marked T. 5 N., R. 29 E., S. 3 B. C.

A yellow Pine, 12 ins. dia., N. 11° W., 27 lks. dist.,

marked T. 6 N., R. 29 E., S. 34 B. C.

No other trees within limits; raised

a mound of stone along side

Pits impracticable.

Land mountainous ^{at} level.

Soil 2nd and 3rd rate.

Many timber of Pine ^{and} some Aspen.

Vegetation, bunch grass.

N. 89° 52' E. on a true line, bet. secs. 2nd & 35.

U. 14° 18' East.

Ascend.

40.00 Set a post, 3 ft. long, 1/4 square, ⁱⁿ ^{the} ^{ground},

in the ground, for 1/4 sec. or, mark

1/4 S. on N. face; from which bear:

A yellow Pine, 20 ins. dia., N. 61° E., 32 lks. dist.,

W. boundary T. 5 N., R. 29 E., S. 21 S. R. M.

Chewis

marked 49 S. B. V.

No other tree within limits; dug a pit 18x18x12 ins. W. of foot, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, around foot.

46.70 Top of Ridge, bears N. 80° W. and S. 80° E. and descend.

80.00 Det a sandstone, 14x11x5 ins, 9 ins. in the ground, for cor. to secos, 1, 2, 35 and 06, marked with 1 notch on E. and 5 notches on W. edges; from which bears:

a yellow Pine, 20 ins. dia, N. 45° E., 19 lks. dist, marked T. 6 N., R. 29 E., S. 36 B. V.

a yellow Pine, 14 ins. dia, S. 30° W., 20 lks. dist, marked T. 5 N., R. 29 E., S. 2 B. V.

a yellow Pine, 34 ins. dia, N. 84 1/2° W., 25 lks. dist, marked T. 6 N., R. 29 E., S. 35 B. V.

No other tree within limits; raised a mound of stone alongside

N. boundary T. 5 N., R. 29 E., G. & S. R. M.

Claims.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine & Fir.

Vegetation, bunchgrass.

N. $89^{\circ} 52'$ E. on a true line, bet. sec. 1st & 36.

Wa. $14^{\circ} 18'$ East.

Decend.

- 32.00 Enter Flat, bear N. and S.
- 36.10 A log cabin, bear S., 5.40 chs. dist.
- 40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. on N. face, dug pits $18 \times 18 \times 12$ ins. E. & W. of post, 5 $\frac{1}{2}$ ft. dist, and raised a mound of earth, 1 $\frac{1}{2}$ ft. high, 3 $\frac{1}{2}$ ft. base, around post.
- 69.00 Cross low bog and ascend.
- 80.00 The cor. to T. 6 N. 5th and 6th, R. 29th and 30th E.

W. bound any J. 5 N., R. 29 E., S. 4th S. R. M.

Chains

Land rolling ^{2nd} level,

Soil 2nd ^{aka} 3rd rate.

Timber of Pine ^{and} Fir.

Vegetation, bunchgrasses.

I carefully examined the adjustments
of my Solar Compass today,
particularly the latitude ^{and}
meridian apparatus and
found it correct.

April 23rd 1853.

106
W. boundary T. 6 N., R. 30 E., S. 2nd S. E. M.

Chamis.

From the cor. to Tps. 5th and 6th N.,
recently established by me
R. 29th 30 E., I run

North on a random line, between said R.

W. $14^{\circ} 15'$ East.

I set temporary half-mile and mile
corners at every 40th and 80th chs., and
find the Range line to be 5 miles,
79 chs. and 68 lks. long and the
falling to be 52 lks. E. of the cor.
to Tps. 6th and 7th N., R. 29th 30 E. The
correction for the true line will
therefore be $8\frac{2}{3}$ lks. West and 32 lks.
North per mile and its course, $S. 4^{\circ} E.$

From the cor. to Tps. 6th and 7th N., R.
29th 30 E., which is a post, set
firmly in the ground, marked

T. 7 N., S. 31 on N. E.

R. 30 E., S. 6 on S. E.

T. 6 N., S. 1 on S. W. and

R. 29 E., S. 36 on N. W. faces, with
6 notches on each edge and a

W. boundary T. 6 N., R. 30 E., S. 41 S. R. M.

Chambers

mound of stone, in good order around post, I run

S. 41° E. on a true line, bet. secs. 1^{and} 6.
Ya. 14° 21' East.

Descend.

- 3.68 Enter Valley, bear E. ^{and} W.
- 6.68 A spring, on line.
- 9.78 Cross road, bear E. ^{and} W.
- 22.38 Cross fence, bear N.W. ^{and} S.E.
- 39.68 Set a post, 3 ft. long, 3 ins. square, 24 ins. in the ground, for 1/4 sec. cor, marked 1/4 S. on W. face;

From which bear:

A yellow Pine, 10 ins. dia., S. 11° E., 2 1/2 lks. dist., marked 1/4 S. B. C.

No other trees within limits; dug a pit 18x18x12 ins. N. of post, 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, around post.

- 47.68 Leave Valley, bear N. 80° W., and S. 80° E. and ascend.

W. boundary T. 6 N., R. 30 E., S. 7 and S. R. 21.

Columns.

79.68 Set a post, 4 ft. long, 4 in. square,
24 in. in the ground, for cor. to
secs. 1, 6, 7th and 12, marked
T. 6 N., S. 6 or 7 E.

R. 30 E., S. 7 or S. E.

R. 29 E., S. 12 or N. W. ^{and}

S. 1 on N. W. face, with 5 notches
on S. ^{and} 1 notch on N. edges;

from which bear:

a yellow Pine, 20 in. dia., N. 87° E., 62 lbs. dia.,
marked T. 6 N., R. 30 E., S. 6 B. T.

a yellow Pine, 14 in. dia., S. 12 W., 53 lbs. dia.,
marked T. 6 N., R. 29 E., S. 12 B. T.

No other trees within limits; dug pits
18 x 18 x 12 in., in secs. 1st and 7,

5th ft. dia., ^{and} raised a mound of earth,
2 ft. high, 4th ft. base, around post.

Land level ^{and} rolling.

Pine 2nd and 3rd rate.

Many timber of Pine ^{and} Fir.

Vegetation, bunchgrasses.

W. boundary T. 6 N., R. 30 E., S. 1 and S. R. M.

Canons

S. 4 E. on a true line, bet. secs. 7th and 12.

Wa, 14° 15' East

Ascend.

40.00 Set a post, 3 ft. long, 3 ins. square,
24 ins. in the ground, for 1/4 sec. cor.,
marked 1/4 S. on W. face;

From which bears:

a yellow Pine, 20 ins. dia., S. 7 1/4 W., 62 ch. dist.,
unmarked 1/4 S. B. V.

No other trees within limits; dug a
pit 18 x 18 x 12 ins. N. of post, 5 1/2 ft.
dist., and raised a mound of earth,
1 1/2 ft. high, 3 1/2 ft. base, around post.

70.50 Cross fence, bears N. 50° E. 2/4 and S. 50° W.

80.50 Set a post, 4 ft. long, 4 ins. square,
24 ins. in the ground, for cor. to sec.
7, 12, 13 and 18, marked

T. 6 N., S. 7 on N. E.

R. 30 E., S. 18 on S. E.

R. 27 E., S. 13 and S. W. and

S. 12 on N. W. faces, with 4 notches on

W. boundary T. 6 N., R. 30 E., G. & S. R. M.

Quarry

S. and 2 notches on N. edges;

from which bears:

A yellow Pine, 48 ins. dia., N. 12° W., 114 lbs. wt.,
marked T. 6 N., R. 29 E., S. 12 B. S.

No other trees within limits; dug pits

18x18x12 ins. in secs. 13, 18 and 7 5' ft.

dist, and raised a mound of earth

2 ft. high, 4' ft. base, around post.

Land rolling.

Soil dark and 3 mi rate.

Timber of Pine and Fir.

Vegetation, bunchy mes.

S. 4 E. on a true line, between secs. 13 & 18.

Wa. 14° 15' East.

Ascend.

40.00 Set a sandstone, 15x10x6 ins, 10 ins.

in the ground, for 14 sec. ex. marked

14 on W. face; from which bears:

A yellow Pine, 30 ins. dia., S. 25° W., 30 lbs. wt.,
marked 14 S. B. S.

W. boundary T. 6 N., R. 30 E., S. 18 on U. E.

Chains,

No other trees within limits; raised
a mound of stone, along side
Pits impracticable.

80.00 A yellow Pine, 24 ins. dia., which I marked
T. 6 N., S. 18 on U. E.

R. 30 E., S. 19 on D. E.

R. 29 E., S. 24 on S. W. ^{2nd}

S. 13 on N. 10. faces, with 3 notches
on W. and S. edges, for cor. to sec.

13, 18, 19th & 24; from which bears:

A yellow Pine, 24 ins. dia., N. 79° W., 63 lks. dist.,
unmarked T. 6 N., R. 29 E., S. 24 B. C.

A yellow Pine, 14 ins. dia., N. 80° W., 45 lks. dist.,
unmarked T. 6 N., R. 29 E., S. 13 B. C.

No other trees within limits; dug pits
18 x 18 x 12 ins. in sec. 18th & 19, 5 1/2 ft. dist.,
and raised a mound of earth around tree.

Land robbing.

Spil 3rd rate

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

W. boundary T. 6 N., R. 30 E., S. 24 & R. M.

Chamis.

S. 4 E, on a true line, bet. secs. 19 & 24,

Wa. 14° 15' East.

Ascend abruptly.

34.00 Top of Ridge, bears E. $\frac{1}{2}$ W. $\frac{1}{2}$ descend.

40.00 Set a sandstone, 12x8x6 ins., 8 ins. in the ground, for $\frac{1}{4}$ sec. cor, marked $\frac{1}{4}$ on W. face; from which bears: a yellow Pine, 24 ins. dia., N. 43 $\frac{1}{2}$ ° E, 7 lks. dist, marked $\frac{1}{4}$ S. B. T.

A yellow Pine, 30 ins. dia., N. 47° W, 7 1/2 lks. dist, marked $\frac{1}{4}$ S. B. T.

50.00 Set a sandstone, 16x14x5 ins., 11 ins. in the ground, for cor. to secs.

19, 24, 25 & 30, marked with 2 notches on S. $\frac{1}{2}$ W & 4 notches on N. edges; from which bears:

A Red Pine, 20 ins. dia., N. 13° E, 3 1/2 lks. dist, marked T. 6 N., R. 30 E., S. 19 B. T.

A yellow Pine, 16 ins. dia., S. 45° W, 17 lks. dist, marked T. 6 N., R. 29 E., S. 25 B. T.

A yellow Pine, 12 ins. dia., N. 63° W, 33 lks. dist,

W. boundary D. G. N., R. 30 E., S. 21 D. R. M.

Cham's.

marked D. G. N., R. 29 E., S. 24 D. R. M.
 No other trees within limits;
 raised a mound of stone alongside
 Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine & some Fir,
 Vegetation, bunchgrass.

S. 4 E. as a true line, bet. secs. 25 & 30.
 Va. 14° 15' East.

Descend.

40.00 Det a sandstone, 12 x 10 x 30 in., 3 in.
 in the ground, for 1/4 sec. cor., marked
 1/4 as W. Jaci; from which brass:
 A yellow Pine, 30 in. dia., 21.9' x 21', 107 lbs. dia.,
 Unmarked 1/4 D. R. M.

No other trees within limits; raised
 a mound of stone alongside
 Pits impracticable.

50.00 Det a sandstone, 30 x 30 x 24 in., 22 in.,

W. boundary, T. 6 N., R. 30 E., S. E. S. R. M.

Stems.

in the ground, for ex. to sec.

25, 30, 31 and 36, marked with 1
notch on D. and 5 notches on N. edges;

From which trace:

A Yellow Pine, 30 ins. dia., N. 41° E., 53 lbs. dia.,
marked T. 6 N., R. 30 E., S. 30 B. V.

A Yellow Pine, 9 ins. dia., S. 41° E., 23 lbs. dia.,
marked T. 6 N., R. 30 E., S. 31 B. V.

A Yellow Pine, 20 ins. dia., S. 80° W., 44 lbs. dia.,
marked T. 6 N., R. 29 E., S. 36 B. V.

No other trees within limits; raised a
mound of stone along side.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine and some Fir.

Vegetation, brushy mes.

S. 4 E. on a true line, bet. sec. 31 and 36.

W. 14° 15' East.

Descend.

W. boundary T. 6 N., R. 30 E., S. 1st & 2nd S. R. 116

Kansas

40.00 Set a sandstone, 16x8x8 ins, 11 ins.
in the ground, for 1/4 sec. cor.,
marked 14 on W. face; from which was
a yellow Pine 26 ins dia, @ 14" W, 40 lbs. dia,
marked 14 S. B. J.

No other trees within limits; raised
on mound of stone, along side
Pits impracticable.

77.00 Enter Flat, bears E. ^{2nd} W.

80.00 The cor. to Tps. 5th & 6th N., R. 29th & 30th E.
From which I started -
Land broken and level.

Do'd 2nd and 3rd rate.

Many timber of Pine and Fir.

Vegetation, bunchgrass.

I carefully examined the adjustments
of my Solar Compass today,
particularly the latitude and
meridian apparatus and found
it correct.

April 24th 1880.

N. boundary T. 6 N., R. 30 E., S. 2, S. R. 21.

Chains.

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

From the cor. to T. 6th 7th, R. 30 and 31st E., previously set by me, I run West on a random line, between said T. 6th 7th.

W. 14° 18' East.

I set temporary half-mile and mile corners at each 40th and 80th chs, and at 4 miles, 79th chs. and 40th lks, amir at a point 200 lks. North of old cor. to secs. 5, 6, 31st 32. The correction for the true line, will therefore be 40 lks. South and 60 lks. West

W. boundary T. 6 N., R. 30 E., S. 5 on S. R. M.

Loc. 11.

four miles and its course will be $N. 89^{\circ} 43' E.$

From the cor. to secs. 5, 6, 31 and 32,
which is a post, set firmly in the
ground, marked

T. 7 N., S. 32 on N. E.

R. 30 E., S. 5 on S. E.

T. 6 N., S. 6 on S. W. ^{and}

S. 31 on N. W. faces, with 5 notches
on E. and 1 notch on W. edges; with
pits of right size, in each sec.,
5 1/2 ft. dia., and a mound of
earth in good order around post;

From

$N. 89^{\circ} 43' E.$, a true line, bet. secs. 5 and 32,

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

Over level Valleys.

8.65 Cross road, bears N. and S.

9.23 Cross fence, bears N. and S.

12.40 Cross fence, bears N. and S.

24.40 Cross road, bears $N. 45^{\circ} W.$ and $S. 45^{\circ} E.$

35.00 Cross fence, bears $N. 45^{\circ} W.$ and $S. 45^{\circ} E.$

N. boundary T. 6 N., R. 30 E., G. & S. R. M.

Stations.

- 34.00 Cross creek, 10 lks. wide, course N.
- 36.80 Cross fence, bears N. 30° W. and S. 30° E.
- 37.40 Cross road, bears N. and S.
- 38.40 Clear Valley, bears N. and S. and ascend.
- 39.40 Set a sandstone, 12x10x5 ins., 8 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face and raised a mound of stone alongside. Pits impracticable.
- 79.40 Set a post, 4 ft. long, 4 ins. square, 2 1/2 ins. in the ground, for cor. to sec.
- H. 5, 32nd and 33, marked
 T. 7 N., S. 33 on N. E.,
 R. 30 E., S. 4 on S. E.,
 T. 6 N., S. 5 on S. W. and
 S. 32 on N. W. faces, with 4 notches
 on E. and 2 notches on W. edges;
 From which bears:
 A Unit Pile, 10 ins. diam., N. 2 1/2° E., 18 lks. dist.,
 marked T. 7 N., R. 30 E., S. 33 B. V.
 No other trees within limits; raised
 a mound of stone around post.

U. boundary T. 6 N., R. 30 E., G. and S. R. 11

Stanis.

Pits imperatrabes.
Land level and rolling.
Soil 1st and 2nd rates.
Timber of Pine and Fir.
Vegetation, bunchgrass.

U. 89° 43' E. on a true line, bet. secs. 4 & 33,
Wa. 14° 15' East.

Ascend.

40.00 A yellow Pine, 8 in. dia, which I marked
'14 S. on U. face, for '14 Sec. cor.;

From which bears:

A yellow Pine, 12 in. dia, N. 30° W., 36 lks. dist,
unmarked '14 S. B. C.

A yellow Pine, 7 in. dia, N. 5 1/4° W., 11 lks. dist,
unmarked '14 S. B. C.

Cor. set on top of low Spur, bears N. 8° E.,
and descend.

61.00 Lorris Wash, 100 lks. wide, course S.W.,
and ascend.

70.00 Top of Spur, bears N. 10° E. and descend.

N. boundary T. 6 N., R. 30 E., G. & O.R.M.

Leman's

50.00 Set a limestone, $15 \times 16 \times 11$ ins, 12 ins
in the ground, for cor. to sec. 3
3, 4, 33rd 34, marked with 3
notches on E. & W. edges; from which bear:
A Yellow Pine, 20 ins. dia, N. 25° E., 98 lks. dist,
marked S. 7 N., R. 30 E., S. 34 B. V.

A Spruce Pine, 24 ins. dia, N. 30° W., 44 lks. dist,
marked S. 6 N., R. 30 E., S. 14 B. V.

No other trees within limits; raised
a mound of stone along side

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine & Fir.

Vegetation, bunchgrass.

W. 89° 43' E. on a true line, bet. sec. 3rd 34,

Wa. 14° 15' East.

Descend.

2.22 Lemas Creek, 8 lks. wide, course

S. 50° W. ^{2nd} ascend.

71. boundary J. G. N., R. 30 E., S. 35 W. D. R. W.

Chassis.

- 40.00 Set a sandstone, $14 \times 11 \times 8$ ins., 7 ins. in the ground, for $1/4$ sec. cor., marked 14 on N. face and raised a mound of stone alongside. Pits impracticable.
- 65.00 Top of Spur, brass N.W. & D.E. 2^{nd} descend.
- 76.62 Cross Creek, 8 lks. wide, course N.W. and ascend.
- 80.00 Set a malpais stone, $18 \times 12 \times 10$ ins., 12 ins. in the ground, for cor. to Acos. 2, 3, 34 th 35, marked with 2 notches on E. nd 4 notches on W. edges; from which bears:
a yellow Pine, 4 ins. dia., N. 45° E., 24 lks. dist., marked J. 7 N., R. 30 E., S. 35 W. \checkmark .
a yellow Pine, 6 ins. dia., S. 30° W., 31 lks. dist., marked J. G. N., R. 30 E., S. 35 W. \checkmark .
No other tree within limits; raised a mound of stone alongside.
Pits impracticable.
Land mountainous.
Soil 3rd rate

N. boundary T. 6 N., R. 30 E., E. 2nd S. R. M.

Lohanis

Timber of Pine, Fir and Aspen.
Vegetation, bunchgrass.

N. 59° 40' E. on a true line, bet. sec. 2nd & 35
W. 14° 15' East.

Ascend.

- 40.00 Det of sandstone, 16 x 11 x 8 ins., 11 ins.
in the ground, for 1/4 sec. cor, marked
1/4 on N. face; from which brass:
A yellow Pine, 18 ins. dia., N. 30° E., 25 lks. dist.,
marked 1/4 O. B. V.
A yellow Pine, 10 ins. dia., S. 40° W., 50 lks. dist.,
marked 1/4 O. B. V.

- 50.00 Det of sandstone, 13 x 9 x 8 ins., 9 ins.
in the ground, for cor. to sec.
1, 2, 35th & 36, marked with 1 notch
on E. end & 5 notches on W. edges;
From which brass:
A yellow Pine, 8 ins. dia., S. 30° E., 32 lks. dist.,
marked T. 6 N., R. 30 E., O. 1 B. V.
A yellow Pine, 15 ins. dia., N. 40° W., 18 lks. dist.,

N. boundary V. 6 N., R. 30 E., G. and S. R. M.

Locations.

marked V. 7 N., R. 30 E., S. 35 NW.

No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Framy timber of Pine and Fir.

Vegetation, bunchgrasses.

N. 89° 43' E. on a true line, bet. sec. 1st & 36.

W. 14° 15' East.

Ascend.

17.00 Top of Escadero Mountain, cross

N. and S. and descend.

40.00 Set a sandstone, 13 x 11 x 6 ins., 7 ins.

in the ground for 14 sec. cor, marked

44 on N. face; from which bears:

an Aspen, 6 ins. dia, N. 45° E., 34 lks. dist,

marked 44 S. B. C.

a Fir, 36 ins. dia, S. 10° E., 29 lks. dist,

marked 44 S. B. C.

N. boundary T. 6 N., R. 30 E., G. W. S. R. M.

Cham's

30.00 The cor. to T. 6th N., R. 30th E.

Land mountains.

Soil 3rd rate.

Heavy timber of Pine, Fir & Aspen.

Vegetation, bunching mes.

Retracing.

From the old cor. to sec. 5, 6, 31st & 32nd,
by me
previously described, I run

West on a random line, bet. sec. 6 & 31,

W. $14^{\circ}15'$ East.

Over rolling Valley.

16.50 Cross fence, bears N. 4° S.

40.60 To a point 120 lks. South of old

'14 sec. cor., which is a post
set firmly in the ground, marked

'14 S. on N. face; from which bear;

A yellow Pine, 10 in. dia., S. 45° E., 52 lks. dist.

Marked '14 S. P. S.

The return course is therefore

S. $58^{\circ}17'$ E.

U. boundary T. 6 N., R. 30 E., S. 1 and S. R. M.

U. 65

49.60 Lean Valley, cross U. 45° E. & S. 45° W.
80.65 To a point 100 lks. South of old
cor. to Tps. 6 and 7 N., R. 29 and
30 E., which has previously been
described.

~~Nearest~~ course is therefore $N. 88^{\circ} 34' E.$

Land level and rolling.

Soil 2nd & 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

April 25th 1883.

N. boundary T. 6 N., R. 29 E., G. & S. R.

Claims.

From the cor. to Tps. 6^{and} 7 N.,
 Rs. 29^{and} 30 E., previously described,
 I run

West on a random line, bet. said Tps.
 Va. $14^{\circ} 21'$ East.

I set temporary half-mile ^{and} mile
 corners at each 40^{and} 80 chs., and
 find the township line to be 5 miles,
 79 chs. ^{and} 75 lks. long, and the falling
 to be 60 lks. South of cor. to Tps.
 6^{and} 7 N., Rs. 38^{and} 29 E. The correction
 for the true line, will therefore be
 10 lks. North ^{and} 25 lks. West per
 mile and its course will be $S. 89^{\circ} 56' E.$

From the cor. to Tps. 6^{and} 7 N.,
 Rs. 28^{and} 29 E., previously set by
 me, I run
 $S. 89^{\circ} 56' E.$ a true line, bet. secos. 6 & 31,
 Va. $14^{\circ} 21'$ East.

Descend.

39.75 Set a post, 3 ft. long, 8 ins. square,

Claims.

24 ins. in the ground, for 1/4 sec. cor.,
marked 1/4 S. on N. face; from which bears:
A Yellow Pine, 30 ins. dia., N. 80° E., 281 lks. dist.,
marked 1/4 S. B. T.

No other trees within limits; dug
a pit 18 x 18 x 12 ins. W. of post,
5 1/2 ft. dist., and raised a mound
of earth, 1 1/2 ft. high, 3 1/2 ft. base,
around post.

59.50 Corner low flag and ascend.

79.75 An aspen, 12 ins. dia., which I marked
T. 7 N., S. 32 on N. E.,
R. 29 E., S. 5 on S. E.

T. 6 N., S. 6 on S. W. ^{and}

S. 31 on N. W. faces, with 1 notch
on W. and 5 notches on E. edges, for
cor. to secs. 5, 6, 31 & 32; from which bears:
A Yellow Pine, 12 ins. dia., S. 40° E., 47 lks. dist.,
marked T. 6 N., R. 29 E., S. 5 B. T.
An Aspen, 13 ins. dia., N. 70° W., 76 lks. dist.,
marked T. 7 N., R. 29 E., S. 31 B. T.

N. boundary T. 6 N., R. 29 E., G. 2nd S. R. M.

Chanis.

No other trees within limits; dug
pits 18 x 18 x 12 ins., in sec. 6th 32,
5 ft. dist., and raised a mound
of earth around tree.

Land broken.

Soil 3rd rate.

Many timber of Pine, Fir and Aspen.

Vegetation, bunchgrass.

S. 59° 56' E. on a true line, bet. sec. 51 32.

Wa. 14° 21' East.

Descend.

40.00 Set a larval stone, 18 x 10 x 3 ins., 12 ins.

in the ground, fd. 1/4 sec. cor, marked
1/4 on N. face; from which bears:

A yellow Pine, 20 ins. dia., O. 40° E., 21 kts. dist.,
marked 1/4 O. B. C.

A yellow Pine, 18 ins. dia., N. 42° W., 35 kts. dist.,
marked 1/4 O. B. C.

70.00 Cross last dug and ascend.

80.00 Set a larval stone, 19 x 9 x 4 ins., 14 ins.

N. boundary T. 6 N., R. 29 E., S. 1/4 S. R. M.

Chain

in the ground, for cor. to sec.

4, 5, 32nd and 33, marked with 4
notches on E. & 2 notches on W. edges,
from which bears:

An Aspen, 14 in. dia., S. 30° E., 40 lks. dist.,
marked T. 6 N., R. 29 E., S. 4 B. V.

A Fir, 48 in. dia., N. 45° W., 40 lks. dist.,
marked T. 7 N., R. 29 E., S. 32 B. V.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

Land broken.

Soil 3rd site.

Many timber of Pine & Fir & some Aspens.
Vegetation, bunchgrass.

S. 89° 56' E. on a true line, bet. sec. 4th & 33,

Wa. 14° 21' East.

Ascend.

30.00 Top of Aspen, bear N. 1/4 S. 1/4 descend.

40.00 Det. a lava stone, 11x10x5 in., 7 in.

N. boundary T. 6 N., R. 29 E., G. and S. R. M.

Locations,

in the ground, for 14 sec. cor., marked

14 on N. face; from which bears:

A yellow Pine, 24 ins. dia., N. 50° E., 12 lks. dist.,

marked 14 S. B. V.

A yellow Pine, 20 ins. dia., S. 40° E., 32 lks. dist.,

marked 14 S. B. V.

80.00 Set a lava stone, 18 x 11 x 4 ins., 12 ins.

in the ground, for cor. to sec.

3, 4, 33 and 34, marked with 3
notches on E. and W. edges;

From which bears:

A yellow Pine, 24 ins. dia., N. 50° E., 68 lks. dist.,

marked T. 7 N., R. 29 E., S. 34 B. V.

A yellow Pine, 20 ins. dia., S. 69 1/2° E., 58 lks. dist.,

marked T. 6 N., R. 29 E., S. 3 B. V.

A yellow Pine, 20 ins. dia., N. 40° W., 48 lks. dist.,

marked T. 7 N., R. 29 E., S. 33 B. V.

No other trees within limits; raised

a mound of stone along side.

Pits impracticable.

Land broken.

N. boundary T. 6 N., R. 29 E., G. and S. R. M.

Chamie.

Soil 3rd rate.

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

S. 89° 06' E. on a true line, bet. sec. 33 & 34.

W. 14° 21' East.

Descend.

22.50 Cross Creek, 10 lks. wide, course N. and ascend.

40.00 Set a larva stone, 16 x 11 x 5 ins., 11 ins. in the ground, for 1/4 sec. cor, marked 1/4 on N. face; from which bears:

a yellow Pine, 36 ins. dia, 40° E., 33 lks. dist, marked 1/4 S. B. V.

No other tree within limits; raised a mound of stone alongside.

Pits impracticable.

50.00 Top of Spur, bears N. 3/4 S. and descends.

59.95 Cross Creek, 5 lks. wide, course N. 60° E. and ascend.

N. boundary T. 6 N., R. 29 E., S. 2 & 3 B. 11.

Quinn's.

80.00 A yellow Pine, 36 ins. dia., which I marked
 T. 7 N., S. 35 m N.E.
 R. 29 E., S. 2 m S.E.
 T. 6 N., S. 3 m S.W. 1/4
 S. 34 on N.W. face, with 2 notches
 on E. 1/4 4 notches on W. edges, for
 cor. to secs. 2, 3, 34th & 35th

Found which bears:

A yellow Pine, 20 ins. dia., N. 30° E., 124 lbs. dia.,
 marked T. 7 N., R. 29 E., S. 35 B. 11.

A yellow Pine, 24 ins. dia., S. 39 1/4° W., 21 lbs. dia.,
 marked T. 6 N., R. 29 E., S. 3 B. 11.

A yellow Pine, 14 ins. dia., N. 60° W., 52 lbs. dia.,
 marked T. 7 N., R. 29 E., S. 34 B. 11.

No other trees within limits; dug a pit,
 18 x 18 x 12 ins. in sec. 2, 5 1/2 ft. dia., and raised
 a mound of earth around tree.

Land mountainous.

Soil 3rd rate.

Many timber of Pine & Fir.
 Vegetation, bunchgrasses.

U. boundary V. 6 N., R. 29 E., G. 4th S. R. 21.

Claims.

D. 89°56' E. on true line, bet. secs. 2 & 35,

V. 14° 2' East.

Ascend,

- 7.00 Top of Ridge, bears U. $\frac{3}{4}$ and S. $\frac{1}{4}$ descend.
- 40.00 Set a lava stone, 18 x 9 x 4 ins., 12 ins. in the ground, for '14 sec. cor, marked $\frac{1}{4}$ in U. face and raised a mound of stone alongside. Pits impracticable.
- 65.00 Enter Valley, bears N. and S.
- 80.00 Set a post, 4 ft. long, 4 ins. square, with marked stone, 12 ins. in the ground, for cor to secs. 1, 2, 35 & 36, marked V. 7 N., S. 36 on N. E., R. 29 E., S. 1 on S. E., V. 6 N., S. 2 on S. W. and D. 35 on N. W. faces, with 1 notch on E. and 5 notches on W. edges, dug pits 15 x 15 x 12 ins. in each sec., 5 $\frac{1}{2}$ ft. dia., and raised a mound of earth, 2 ft. high, 4 $\frac{1}{2}$ ft. base around post.

W. boundary T. 6 N., R. 29 E., G. & S. R. M.

Lehmanis.

Land mountainous and level.

Soil 2nd and 3rd rate.

Timber of Pine and Oak.

Vegetation, bunchgrass.

S. 89° 56' E. on a true line, bet. sec. 1 & 36.

W. 14° 21' East.

Over level Valley.

33.00 Cross road, from N.W. ^{1/4} S. E.

34.00 Dear Valley, from N.W. ^{1/4} S. E. ^{1/4} sec.

40.00 Set a post, 8 ft. long, 3 ins. square,
24 ins. in the ground, for 14 sec.
cor., marked 1/4 S. on W. face;

From which bear:

a yellow Pine, 8 ins. dia., N. 71° 14' E., 16 lks. dist.,

marked 1/4 S. B. T.

No other true section limits; raised
a mound of stone around post.

Pets impracticable.

80.00 The cor. to T. 6 N., R. 29 E. & 30 E.
From which I started.
Land level and rolling.

135
N. boundary T. 6 N., R. 29 E., S. 9 W. S. R. M.

Colonia.

Soils 1st and 2nd rates.

Timber of Pine and Oak.

Vegetation, Conchagua.

I carefully examined the adjustments
of my Solar Compass today,
particularly the latitude ^{and}
sinning apparatus and found
them correct.

April 26th 1883.

E. boundary T. 7 N., R. 29 E., G. P. S. R. M.

Chains.

From the cor. to Twp. 6th N.,
R. 29th E. 30th E., ^{previously described by me} I run

North on a random line along boundary
Val. 14° 21' East

Ascend gradually.

27.00 Top of spur, bear E. $\frac{1}{2}$ W $\frac{1}{2}$ N descend.

40.00 After diligent search, failed to find
old 14 sec. cor. Set temporary 14 sec. cor.

64.50 Cross Creek, 8 lks, wide, course E. $\frac{1}{2}$ S, ascend.

80.00 Failed to find old cor. to secs.
25, 30, 31st & 36. Set temporary sec. cor.

Thence I continue

North on a random line, along boundary,

Val. 14° 21' East

Ascend.

40.00 Failed to find old 14 sec. cor.

Set temporary 14 sec. cor.

43.00 Top of Ridge, bear N. 70° E. $\frac{1}{2}$ W N. 70° W.
and descend.

80.30 To a point 27 lks, East of old cor.
to secs. 19, 24, 25th & 30, which is a

E. boundary T. 7 N., R. 29 E., G. and S. R. M.

Chains

sandstone, set firmly in the ground, marked with 21 notches on S. end & notches on N. edges, with a mound of stone alongside, in good order; from which bears: a Cedar, 18 ins. dia., N. 45° W., 47 lks. dist., marked T. 7 N., R. 29 E., S. 24 R. 1.

The correction for the true line will therefore be 13 1/2 lks. W. and 15 lks.

S. per mile and its course will be S. 6° E.

From the cor. to sec. 19, 24, 25 & 30, I run

S. 6° E. on a true line, bet. sec. 25 & 30.

W. 14° 21' East.

40.07 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/4 Sec Cor, marked 1/4 C. on W. face, dug pits 18 x 18 x 12 ins. N. and S. of post, 5 1/2 ft. dist, and raised a mound of earth, 1 1/2 ft. high, 3 1/2 ft. base, around post.

E. boundary T. 7 N., R. 29 E., S. ^{2nd} S.R.M.

Notes

80.15 Set a post, 4 ft. long, 4 ins. square,
with marked stake, 12 ins. in the
ground, for cor. to secs.

25, 30, 31 ^{and} 36, marked

T. 7 N., S. 30 on N.E.

R. 30 E., S. 31 on S.E.

R. 29 E., S. 36 on S.W. ^{and}

S. 25 on N.W. face, with 1 notch
on S. ^{and} 5 notches on N edges; dug
pits 18x18x12 ins in each sec.,

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

Land rolling ^{and} mountainous.

Soil 3rd rate.

Timber of Pine ^{and} Cedar.

Vegetation, burcypress.

S. 6' E. on a true line, bet. secs. 31 ^{and} 36,

W. 14° 21' East.

40.07 Set a post, 3 ft. long, 3 ins. square

E. boundary T. 7 N., R. 29 E., G. ^{1/4} S.R.M.

Claims

with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 ins. $\frac{1}{4}$ W. $\frac{1}{4}$ S. of post, 5' W ft. dist, and raised a mound of earth, 1' ft. high, 3' ft. base, around post.

80.15 The cor. to Tpo. 6th 7 N., R. 29 $\frac{1}{2}$ 30 E.

Land rolling $\frac{1}{2}$ mountainous
Dioic 3rd rate.

Timber of Pine ^{and} Cedar.

Vegetation, bunchgrass.

From the cor. to secs. 19, 24, 28 $\frac{1}{2}$ 30, Turn

North on a random line, along boundary.

Wa. $14^{\circ} 21'$ East.

Ascend.

29.00 Top of Ridge, bear N. 70° E. and
S. 70° W. and descend.

40.06 To a point 18 lks. E. of old $\frac{1}{4}$ sec.
cor., which is a sandstone, set
firmly in the ground, marked $\frac{1}{4}$

E. boundary J. 7 N., R. 29 E., G. 2 S. R. M.

Claims.

on W. face, with a stone mound in good order, alongside.

The correction for the true line, will therefore be 18 lks. W. and 6 lks. S. and its course will be S. 15° E.

75.50 Cross road, bears N. 50° E. and S. 50° W.

80.00 To old cr. to secs 13, 18, 19 and 24, which is a sandstone, set firmly in the ground, marked with 3 notches on N. and S. edges, with a stone mound in good order alongside; from which bears:

A yellow pine, 14 ins. dia, N. 20° E., 53 lks. dist, marked J. 7 N., R. 30 E., S. 18 B. 7.

A yellow pine, 12 ins. dia, S. 7 1/4° W., 8 lks. dist, marked J. 7 N., R. 29 E., S. 24 B. 7.

A yellow pine, 24 ins. dia, N. 47 1/2° W., 28 lks. dist, marked J. 7 N., R. 29 E., S. 13 B. 7.

The correction for the true line, will therefore be 6 lks. N. and its course will be South.

E. boundary T. 7 N., Range 29 E., S. W. S. R. M.

Classis

Land mountains ^{and} rolling.

Soil 3rd rate.

Heavy timber of Yellow Pine.

Vegetation, bunchgrass.

North on a random line along boundary,

from cor. to secs. 10, 18, 19th 24th.

W. 14° 21' East.

Descend.

6.00 Corral Sag, 60 lks. wide, course N. 30° E.

and ascend.

35.00 Top of Ridge, bears N. 60° E. ^{and} S. 60° W.

and descends.

39.94 To sec 44 sec. cor., which is a

sandstone, set firmly in the ground,

marked 1/4 at W. face, with a

stone mound, in good order

along side; from which bears:

A Yellow Pine, 18 ins. dia., N. 76° E., 24 lks. dist,

marked 1/4 N. B. T.

65.00 Corral Sag, 80 lks. wide, course N. E. ^{and} ascend.

E. boundary T. 7 N., R. 29 E., G. and S. R. 1/4

Remains.

78.80 Top of Utesa, bears E. and W. ^{1/4} and ^{1/2} ~~across~~

80.06 To old cor. to secs. 7, 12, 13 ^{and} 18
which is a post, set firmly in the
ground, marked

T. 7 N., S. 7 on N.E.

R. 30 E., S. 18 on S.E.

R. 29 E., S. 13 on S.W. ^{1/4}

S. 12 on N.W. faces, with 4 notches
on S. ^{1/4} and 2 notches on N. edges; with
pits in secs. 12, 13 & 18, 5 1/2 ft. dist., and

a mound of earth, in good order,
around post, from which bears:

to Mt. Pine, 14 ins. dir., N. 13° E., 107 lks. dist.,

marked T. 7 N., R. 30 E., S. 7 R. 1/4

Land mountains.

Soil 3rd rate.

Timber of Pine and Cedar

Vegetation, bunchgrass.

E. boundary T. 7 N., R. 29 E., G. ^{2nd} S. R. M.

main

From the cor. to secs. 7, 12, 18th & 18th June
North on a random line, along boundary,
Var. 14° 21' East,

Descend.

40.00 To old $\frac{1}{4}$ sec. cor., which is a
post, set firmly in the ground,
marked $\frac{1}{4}$ S. on W. face, with pits
N. ^{2nd} & S. of post, 5 $\frac{1}{2}$ ft. dist., and
a mound of earth, in good order,
around post.

68.60 Cross road, bear N. 45° W. ^{2nd} S. 45° E.

80.11 To old cor. to secs. 1, 6, 7th & 12, which
is a post, set firmly in the ground,
marked

T. 7 N., S. 6 on W. E.

R. 30 E., S. 7 on S. E.

R. 29 E., S. 12 on S. W. ^{2nd}

S. 1 on N. W. faces, with 5 notches
on S. ^{2nd} & 1 notch on N. edges;
with pits in each sec., 5 $\frac{1}{2}$ ft.
dist., and a mound of earth

E. boundary V. 7 N., R. 29 E., S. 2 D. R. 11

L. claims

in good order, around post.

The correction for the true line, is
therefore 11 lks. South.

Land rolling.

Soil 2nd and 3rd miles.

Timber of Pine and Cedar.

Vegetation, bunchgrass.

From the cor. to secs. 1, 6, 7th and 12th Town
North on a random line, along boundary.Wa. $14^{\circ} 21'$ East.

One rolling land.

38.00 Cross fence, bears E. & W.

40.00 To old $\frac{1}{4}$ sec. cor., which is a
post, set firmly in the ground,
unmarked $\frac{1}{4}$ S. or W. face, with pits
N. and S. of post, 5' ft. dist., and a
circle of cattle, in good order,
around post.44.55 Cross fence, bears N. 40° W. and S. 40° E.

55.00 Cross creek, 10 lks. wide, around E.

E. boundary V. 7 N., R. 29 E., G. ^{and} S. R. M.

Chains.

57.00 Cross road, bear N. 80° E. $\frac{1}{2}$ S. 80° W.

80.06 To old cor. to Vps 7th & N., Ro.

29th 30 E., which is a sandstone,
set firmly in the ground, marked

with 6 notches on each edge,
with a stone mound, in good
order along sides; from which bear:

A yellow Pine, 15 ins. dia, N. 15° E., 70 lks. dist.

Marked V. & N., R. 30 E., S. 31 B. V.

A yellow Pine, 16 ins. dia, N. 9° W., 70 lks. dist.

Marked V. & N., R. 29 E., S. 36 B. V.

Land receiving.

Soil 1st, 2nd and 3rd rates.

Timber of Pine and Cedar.

Vegetation, bunchgrass.

Scarcely examined the adjustments
of my Solar Compass today,
particularly the latitude and
meridian apparatus and
found them correct.

April 27th 1883.

U. boundary V. 7 N., R. 29 E., S. 32 & 33

Chassis

From the cor. to sec. 5, 6, 31st & 32, run East on a random line, along boundary, Va. 14° 21' East.

Ascend.

15.00 Top of spur, cross N. 1/2 S. 32 descend

40.00 To old 14 sec. cor, which is a post, in good condition, set firmly in the ground, marked 14 S. on N. face, with pits. E. 1/2 W., 5 1/2 ft. dist, and a mound of earth in good order, around post.

58.61 Cross creek, 8 lks. wide, course U. 30° E. and ascend.

67.00 Top of spur, cross N. 1/2 S. 32 descend

71.00 Cross Ravine, 20 lks. wide, course U. and ascend.

80.20 To old cor. to sec. 4, 5, 32nd & 33, which is a yellow Pine tree, 36 in. dia, marked S. 5 N., S. 33 on N. E., R. 29 E., S. 4 on S. E., V. 7 N., S. 5 on S. W. and

N. boundary T. 7 N., R. 29 E., E. 1/4 S. 22

Chauis

0.32 on N.W. face, with 2 notches
on W. and 4 notches on E. edges;
with pits in each sec., 5 1/2 ft.
dist., and a mound of earth,
in good order, around tower.

Land mountainous.

Pine 3rd and 4th rate.

Timber of Pine and Fir.

Vegetation, bunchgrass.

From this cor. to secs. 4, 5, 32nd and 33, Turn
East on a random line, along boundary.
Sta. 14 + 21 East.

ascend.

20.00 Top of mesa, bears N. and S. and
over same.

40.00 Failed to find old 1/4 sec. cor.

Set temporary 1/4 sec. cor.

80.20 To old cor. to secs. 3, 4, 33rd and 34,
which is a sandstone, set firmly
in the ground, marked with 3

U. boundary T. 7 N., R. 29 E., G. 2nd C. R.

Chanis.

Notches on E. & W. edges, with a
stone mound, in good order, alongside;

Merced River

West on a true line, bet. secs. 4th & 33,

Wa. 14° 21' East.

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

St. 20 The cor. to secs. 4, 5, 32 & 33.

Land rolling.

Soil 3rd rate.

Timber of Pine & Cedar.

Vegetation, bunchgrass.

N. boundary T. 7 N., R. 29 E., S. 34 & S. R.

Columnis.

From the cor. to secs. 3, 4, 33rd & 34,

From

East on a random line, along boundary,

Pa. 14° 21' East.

Over Mesa.

35.00 Descend.

40.12 To old '4 sec. cor., which is a
laval stone, set firmly in the
ground, marked '4 on N. face,
with a stone mound in good
order, along side.

80.10 To old cor. to secs. 2, 3, 34th & 35,
which is a laval stone, set firmly
in the ground, marked with 2
notches on E. ^{end} & 4 notches on
W. edges, with a stone mound,
in good order, along side.

Land rolling.

Soil 3rd mts.

Vegetation, bunch grass.

N. boundary T. 7 N., R. 29 E., G. 2nd S. R. 21.

Stations.

From the cor. to secs. 2, 3, 34th & 35,

From

East on a random line, along boundary,

Wa. 14° 21' East.

Descend.

40.08 To old 1/4 sec. cor., which is a post, set firmly in the ground, marked 1/4 Sec. N. face, with a stone mound, in good order, around same.

55.00 Corros Ravine, course N. E. ⁴⁵ and around

63.00 Top of Mesa, bears N. ⁴⁵ and S. and on same.

80.15 To old cor. to secs. 1, 2, 35th & 36, which is a lava stone, set firmly in the ground, marked with 1 notch on E. ⁴⁵ and 5 notches on W. edges, with a stone mound, in good order, along side.

Land rolling ^{and} level.

Soil 2nd and 3rd rates.

Vegetation, bunchgrass.

N. boundary T. 7 N., R. 29 E., S. 9th D. R. M.

Chains,

From the cor. to secs. 1, 2, 35th and 36,
T. 7 N.

East on a random line, along boundary.

Pa., 14° 21' East.

Over Mesa.

39.98 To old '4 sec. cor., which is a land
stake, set firmly in the ground,
marked '4 on N. face, with a
stake mound, in good order, alongside.

48.00 Descend.

50.10 To sec cor. to Tps. 7th and 8 N.,
R. 29th and 30 E., previously described.
Land line and meeting.

Over 2nd and 3rd rates.

Vegetation, bunchgrass.

April 28th - 1883.

Boundary T. 4 N., R. 28 E., G. 2nd S. R. W.

Claims.

Before proceeding with the corners of this township, I made a change of 15 minutes in the latitude arc of my Solar Compass, by subtracting same from the reading previously given and at noon, verified and corrected same, by observation on the sun. I also further tested instrument by ranging.

From the Standard Cor. to Tps. 5 N., R. 28th & 29 E., previously set by me, I ran

West on a true line, along Standard.

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

54.06 Set a lava stone, $20 \times 18 \times 10$ ins., 15 ins. in the ground, for bearing cor. to Tps. 4 N., R. 28th & 29 E., marked C. C. with 6 notches on N, E. & W. edges, and raised a mound of stone along side. Pits impracticable.

E. boundary T. 4 N., R. 28 E., G. ^{and} S. R. M.

Thence I run,
South and true line, bet. secs. 1 ^{and} 6.
Wal. $14^{\circ} 15'$ East.

Descend.

2.00 Cross Ravine, 11 lks. wide, course
W. and ascend.

10.00 Top of Spur, bears E. 74° W., ^{and} descend.

40.00 Set a laral stone, $18 \times 14 \times 10$ ins., 12 ins.
in the ground, for 14° sec. cor., marked
 14° on W. face; from which bears:
A yellow Pine, 8 ins. dia., S. $79^{\circ} 14'$ E., 13 lks. dist.,
marked 14° S. B. V.

A yellow Pine, 14 ins. dia., N. 85° W., 21 lks. dist.,
marked 14° S. B. V.

80.00 Set a sandstone, $18 \times 13 \times 11$ 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.
edges; from which bears:

A yellow Pine, 3 ins. dia., N. 70° E., 20 lks. dist.,
marked T. 4 N., R. 29 E., S. 6 B. V.

E. boundary T. 4 N., R. 28 E., G. 2nd S. R. 11.

Locans.

a Pitch Pine, 18 ins. dia, N. 85° W., 22 lks. dist.,
marked T. 4 N., R. 28 E., S. 1 P. 1.

No other trees within limits;
raised a mound of stone along side
Pits impracticable.

Land rolling and broken.

Soil 3rd class.

Timber of Pine and Fir.

Vegetation, bunchgrass.

Start on a true line, bet. sec. 7 and 12,
W. 14° 15' East.

Descend.

- 2.11 A yellow Pine, 50 ins. dia.
15.50 Clear timber, bears E. and W.
27.00 Cross brook, 3 lks. wide, course
S. 20° W. and ascend.
29.00 Enter timber, bears E. and W.
40.00 Set a lava stone, 14 x 8 x 6 ins., 7 ins.
in the ground, for 1/4 sec. cor., marked
1/4 on W. face; from which bears:

E. boundary T. 4 N., R. 28 E., G. 9 S. R. M.

Chains

A yellow Pine, 12 ins. dia., N. 30° E., 40 lbs. dia.,
marked '14 O. B. V.

No other trees within limits; raised
a mound of stone alongside
Pits impracticable.

58.15 A yellow Pine, 30 ins. dia.

80.00 Set a sandstone, 16 x 9 x 6 ins., 11 ins.
in the ground, for cor. to sec.

7, 12, 13 and 18, marked with 4
notches at E. and 2 notches at
N. edges; found which was:

A yellow Pine, 14 ins. dia., N. 50° E., 62 lbs. dia.,
marked T. 4 N., R. 29 E., S. 18 B. V.

A yellow Pine, 8 ins. dia., N. 65° W., 50 lbs. dia.,
marked T. 4 N., R. 28 E., S. 12 B. V.

No other trees within limits; raised a
stone mound alongside: Pits impracticable.

Sand rolling.

Over 3rd rate.

Heavy timber of Pine.

Vegetation, bunches, grass.

E. boundary, T. 4 N., R. 28 E., G. 2nd S. R. 1st W.

Chains.

South on a true line, bet. secos. 13th & 18th
 Val. 14° 15' East

Descend.

32.15 Cross Wash, 10 lks. wide, course
 S. 20° E. and ascend.

40.00 Set a larva stone, 16 x 14 x 6 ins., 11 ins.
 in the ground, for 14 sec. cor.,
 marked 14 on W. face;

from which bears:

A yellow Pine, 36 ins. dia, S. 45° E., 3 1/2 lks. dist,
 marked 14 S. B. V.

No other trees within limits; raised
 a mound of stone along side
 corner stone. Pits impracticable.

40.50 Top of V. spur, bears N. W. 45° S. E. 1/2 second.

66.50 Cross Creek, 8 lks. wide, course W. 70° W.
 and ascend.

70.00 Lean timber, bears E. 1/2 W.

80.00 Set a larva stone, 18 x 11 x 7 ins., 12 ins.
 in the ground, for cor. to secos.
 13, 18, 19th and 24, marked with 3

E. boundary J. 4 N., R. 28 E., G. 4 W. S. R. W.

Claims.

Notches on N. ^W & S. edges and
raised a mound of stone
along side. Pits impracticable.
Land rolling and broken.

Soil 3rd mts.

Timber of Pine.

Vegetation, bunchgrass.

South on a true line, bet. secs. 19th & 24th,

W. $14^{\circ} 15'$ East.

Over rolling land.

- 40.00 Set a larval stone, 12 x 11 x 8 in, Pine,
in the ground, for 1/4 sec. cor., marked
1/4 on W. face and raised a mound
of stone along side. Pits impracticable.
- 70.00 Enter timber, bear E. ^W W. ^W and ascend.
- 80.00 Set a sandstone, 15 x 13 x 11 in, 10 in,
in the ground, for cor. to secs.
19, 24, 25th & 30, marked with 2
notches on N. ^W and 4 notches on
N. edges; from which bear;

E. boundary T. 4 N., R. 28 E., G. ^{W.} S. R. M.

Remarks:

A yellow Pine, 40 vis. dia., S. 55° E., 75 lks. dist.,
marked T. 4 N., R. 29 E., S. 30 B. J.

A yellow Pine, 8 vis. dia., N. 45° W., 73 lks. dist.,
marked T. 4 N., R. 28 E., S. 24 B. J.

No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

Land rolling.

Soil 3rd rate.

Timber of Pine & Fir

Vegetation, bunch grass.

South on a true line, bet. sec. 28 & 30.

W. 14° 15' East.

Ascend gradually.

40.00 Set a land stone, 11 x 11 x 8 vis., 7 in.
in the ground, for 14 sec. cor, marked
"14 on W. face; from which bear:

A yellow Pine, 8 vis. dia., S. 30° E., 15 lks. dist.,
marked "14 S. B. J.

No other trees within limits; raised

E. boundary T. 4 N., R. 28 E., S. 2nd S. R. M.

Lebanon

a mound of stone along side
Pits impracticable.

80.00 Set a lava stone, 14 x 9 x 8 ins.,
Pins in the ground, for cor. to
Dees. 25, 30, 31^{2nd} 36, marked
with 1 notch on D. 2nd 5 notches
on N. edges; from which bears:
a yellow Pine, 24 ins. dia, S. 20 W, 21 kts. dist,
marked T. 4 N., R. 28 E., S. 36 B. C.
a yellow Pine, 14 ins. dia, N. 15 W, 28 kts. dist,
marked T. 4 N., R. 28 E., S. 25 B. C.

No other trees within limits;
raised a mound of stone along side
Pits impracticable.

Land rolling.
Soil 3rd site.
Timber of Pine 2nd & Fir.
Vegetation, bunch grass.

E. boundary J. 4 N., R. 28 E., T. 34 S., R. 11 W.

Chamis.

North and true line, bet. secos. 31st & 36thT. 14th & 15th East.

Ascend.

40.00 Set a lava stone, 14 x 10 x 10 ins., 7 lbs.
in the ground, for 1/4 sec. cor, marked
1/4 at W. face; from which bears:
a Fir, 10 ins. dia., S. 70° W., 10 lks. dist,
marked 1/4 S. B. V.

No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

80.00 Set a lava stone, 16 x 11 x 9 ins., 11 lbs.
in the ground, for cor. to V. 30.
3rd 4 N., R. 28th & 29th E., marked
with 6 notches at each edge;
from which bears:
a Fir, 8 ins. dia., N. 45° E., 22 lks. dist,
marked J. 4 N., R. 29 E., S. 31 B. V.
a Fir, 4 ins. dia., S. 30° E., 48 lks. dist,
marked J. 3 N., R. 29 E., S. 6 B. V.
a Fir, 7 ins. dia., S. 40° W., 17 lks. dist,

E. boundary T. 4 N., R. 28 E., G. & S. R. 1

Skewis

marked T. 3 N., R. 28 E., S. 1 R. 1

No other trees within limits;
raised a mound of stone
along side ... Pits
impracticable.

Land rolling.

Soil 3rd and 4th rate.

Many timber of Fir & scattering Pine.

Vegetation, bunchgrass.

April 30th 1883.

T. boundary T. 4 N., R. 28 E., G. 2nd S. R. 1st

Observations

Before proceeding further with the extensions of this T. P., I made a change of 6 minutes in the latitude arc of my Solar Compass by subtracting same from the reading previously given and at noon, revised and corrected same, by observation on the sun. I also further tested instrument by running. I took the latitude and found it to be $33^{\circ} 39' N.$

From the cor. to T. P. 3rd & 4th,
R. 28th & 29th E., I run

Went on a true line, bet. secs. 1st & 16,
Was $14^{\circ} 15'$ East.

Ascend.

- 10.00 Top of Ridge, near N. ^{2nd} & S. ^{2nd} sections
 11.00 Set a lava stone, 11+11+7 ins, 7 ins. in
 the ground, for 14 sec. cor., marked 14 on
 N. face and raised a mound of stone
 along side. Pits impracticable.

S. boundary T. 4 N., R. 28 E., S. 2nd S. R. 1st

Quarry

45.00 Cross Creek, 5 lks. wide, course
N. and ascend.

62.00 Top of Spur, bears N. ^{2nd} S. ^{2nd} descend.

80.00 Set a laral stone, 18+11+9 ins., 12 ins.

in the ground, for cor. to sec.

1, 2, 35th & 36, marked with 1

notch on E. ^{2nd} & 5 notches on W.

edges; from which bears:

A Fir, 12 ins. dia, S. 40° W., 14 lks. dist.

Marked T. 3 N., R. 28 E., S. 2 B. V.

A Fir, 15 ins. dia, N. 85° W., 2 lks. dist.

Marked T. 4 N., R. 28 E., S. 35 B. V.

No other trees within limits;

raised a mound of stone

alongside.

Pits

impracticable

Land Mountainous.

Abie 3rd rate.

Timber of Pine and Fir and

Vegetation, bunchgrass.

S. boundary J. H. N., R. 28 E., T. 2 S., S. 1 R.

Blair's

West on true line, bet. secs. 2nd & 35th,
 Va. $14^{\circ}15'$ East.

Descend abruptly.

14.00 Cross Cañon, 200 lks. wide, course
 N. and ascend abruptly.

40.00 Set a larval stone, $16 \times 16 \times 10$ ins., 11 ins.
 in the ground, for 1/4 sec. cr., marked
 1/4 on N. face and raised a
 mound of stone along side. Pits
 impracticable.

54.00 Top of Ridge, bear N. and S. and descend.

80.00 Set a larval stone, $12 \times 11 \times 10$ ins., 8 ins.
 in the ground, for cr. to secs.
 2, 3, 34th & 35th, marked with 4
 notches on W. ² & 2 notches on E.
 edges; from which bear:

A Fir, 10 ins. dia., S. $38^{\circ}E$, 86 lks. dist,
 marked J. 3 N., R. 28 E., S. 2 B. V.

A Fir, 36 ins. dia., S. $20^{\circ}W$, 90 lks. dist,
 marked J. 3 N., R. 28 E., S. 3 B. V.

No other trees within limits; raised

S. boundary J. H. N., R. 28 E., G. and S. R. W.

Remains

a mound of stone alongside

Pits impracticable.

Land mountainous & broken.

Soil 3rd rate.

Trunks of Pine^{and} Fir and undergrowth
of Aspen^{and} Oak.

Vegetation, bunchgrass.

Went on a true line, bet. sec. 3rd and 34.

Wa. $14^{\circ} 36'$ East.

Descend.

40.00 Set a lava stone, $16 \times 14 \times 10$ ins,
11 ins. in the ground, for '14 sec. cor.,
marked '14 on N. face;

From which bear:

a Fir, 18 ins. dia., S. 30° W., 73 lks. dist.,
marked '14 S. B. J.

No other trees within limits; raised

a mound of stone alongside

Pits impracticable.

61.50 Cross Sec, 200 lks. wide, bear N. & S.

S. boundary T. 4 N., R. 28 E., G. ^{2nd} O. R. 2

Stations.

and ascend.

80.00 Set a post, 4 ft. long, 4 in. square,
24 in. in the ground, for cor. to
Seco. 3, 4, 33 ^{and} 34, marked
T. 4 N., S. 34 on N.E.

R. 28 E., S. 3 on S.E.

S. 3 N., S. 4 on S.W. ^{2nd}

S. 33 on N.W. faces, with 3 notches
on E. ^{and} W. edges; from which bear:

a Fir, 18 in. dia., N. 30° W., 61 lks. dist.,
marked T. 3 N., R. 28 E., S. 4 B. J.

a Pine, 24 in. dia., N. 31° W., 71 lks. dist.,
marked T. 4 N., R. 28 E., S. 33 B. J.

No other trees within limits; raised
a mound of stones around post.
Pits impracticable.

Land broken.

Bole 3 rd rate.

Heavy timber of Pine ^{and} Fir.

Vegetation, bunchgrass.

S. boundary T. 4 N., R. 28 E., G. W. S. R. W.

Quarries

West on a true line, bet. secs. 4 & 33.
Var. 15° 00' East.

Ascend.

40.00 Set a sandstone, 16 x 11 x 10 ins., 11 ins.
in the ground, for 1/4 sec. cor.,
marked 1/4 on N. face and raised
a mound of stone alongside. Pits
impracticable.

63.00 Top of spur, bears N. 2/3 S. 1/4 descend.

80.00 Set an iron stone, 18 x 14 x 10 ins., 12 ins.,
in the ground, for cor. to secs.
4, 5, 32 and 33, marked with 4
notches on E. and 2 notches on W
edges; from which bears:
a Pine, 18 ins. dia., S. 30° E., 9 1/2 kts. dist.,
marked T. 3 N., R. 28 E., S. 5 B. V.

No other true arithmic limits; raised a mound
of stone alongside. Pits impracticable.

Land mountainous. Soil 3rd rate,
Timber of Pine and Fir,
Vegetation, bunch grass,

S. boundary V. 4 N., R. 28 E., G. W. S. R. W.

Lohannis.

Wrote on a true line, bet. secs. 5th & 32nd,
 4th W. 14° 36' East.

Descend.

40.00 Set an iron stake, 16 x 11 x 8 ins., 11 ins.
 in the ground, for 1/4 sec. cor., marked
 1/4 on N. face, from which brass:
 a Fir, 13 ins. dia., S. 80° W., 32 lks. dist,
 marked 1/4 V. B. V.

No other trees within limits; raised
 a mound of stone along side
 Pits impracticable.

80.00 Set a laral stake, 18 x 16 x 11 ins., 12 ins.
 in the ground, for cor. to secs.
 5, 6, 31st & 32nd, marked with 1
 notch on W. ^{end} & 5 notches on E.
 edges; from which brass:
 a Pine, 43 ins. dia., S. 21° E., 67 lks. dist,
 marked V. 3 N., R. 28 E., S. 5 B. V.
 a Fir, 18 ins. dia., S. 41° W., 62 lks. dist,
 marked V. 3 N., R. 28 E., S. 6 B. V.

No other trees within limits; raised

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S. boundary T. 4 N., R. 28 E., G. S. R. N.

Observ.

a mound of stone alongside

Pits impracticable.

Land mountainous.

Soil 3rd rate.

Timber of Pine, Fir and Aspen.

Vegetation, bunchgrasses.

West on a true line, bet. secs. 6th & 31.

Wa. $14^{\circ} 35'$ East.

Descend.

37.00 Cross Prairie, 10 lks. wide, course
N. and ascend.

40.00 Set an iron stake, $16 \times 10 \times 8$ ins.,
11 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. face,
from which brass:

to Pine, 18 ins. dia., N. 30° W., 60 lks. dist.,
marked $\frac{1}{4}$ S. B. J.

No other trees within limits; raised
a mound of stone alongside
Pits impracticable.

S. boundary T. 4 N., R. 28 E., S. 31 B. J.

Chanis.

To allow for emergency, at
78.56 Set a sandstone, 18x12x8 ins.,
12 ins. in the ground, for cor. to
Tpo. 3rd 4 N., R. 27th 28 E.,
marked with 6 notches on each
edge; from which pass:
a yellow Pine, 13 ins. dia., N. 30° E., 160 lbs. dia.,
marked T. 4 N., R. 28 E., S. 31 B. J.

No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

Land broken.

Soil 3rd rate.

Timber of Pine and Fir.

Vegetation, bunchgrass,

May 1st 1883.

W. boundary V. 4 N., R. 28 E., G. 4th S. R. M.

Notes

From the cor. to Secs. 3rd & 4th N.,
R. 27th & 28th E., I run
North, between secs. 31st and 36,
W. $14^{\circ} 15'$ East.

Ascend.

17.00 Top of Mountain, bear N. E. and
S. W. and descend.

40.00 Set a sandstone, $16 \times 10 \times 7$ ins., 11 ins.
in the ground, for 14 Sec. Cor., marked
14 on W. face; from which bear:
a Pit, 10 ins. dia., N. 36° W., 82 lbs. dist.,
marked 14 S. B. J.

No other trees within limits; raised
a mound of stone alongside. Pits
impracticable.

80.00 Set a sandstone, $16 \times 10 \times 9$ ins., 11 ins.
in the ground, for cor. to secs.
25, 30, 31st and 36, marked with 1 notch
on S. face & 5 notches on W. edges;
from which bear:
a Pit, 14 ins. dia., N. 27° E., 110 lbs. dist.,

W. boundary T. 4 N., R. 28 E., S. 30 B. V.

Charis.

marked T. 4 N., R. 28 E., S. 30 B. V.

No other trees within limits;

raised a mound of stone

alongside

Pits impracticable.

Land mountainous.

Soil 3rd mt.

Towers of Pine^{4th} Ft.

Vegetation, bunchgrasses.

North, between sec. 25th & 30.

W. 14° 15' East.

Descend.

25.40 Cross Black River, 30 lks. wide,
course S. W. and ascend.

40.00 Set a sandstone, 18 x 12 x 6 ins., 12 ins.
in the ground, for 1/4 sec. cor, marked
1/4 on W. face and raised a mound
of stone alongside. Pits impracticable.

80.00 Set a sandstone, 24 x 20 x 8 ins., 10 ins.,
in the ground, for cor. to sec.
19, 24, 25th & 30, marked with 2

W. boundary T. 4 N., R. 28 E., S. $\frac{1}{4}$, S. R. M.

Observations:

Notches on S. $\frac{1}{4}$ 4 notches on
 W. edges; from which bears:
 A yellow Pine, 14 ins. dia., S. 54° E., 96 ft. dist,
 marked T. 4 N., R. 28 E., S. 30 B. J.
 A yellow Pine, 10 ins. dia., S. 30° W., 84 ft. dist,
 marked T. 4 N., R. 27 E., S. 25 B. J.

No other trees within limits; raised
 a mound of stave alongside.

Pits impracticable.

Land mountainous.

Soils 3rd rate.

Heavy timber of Pine & al scattering Fir.

Vegetation, bunchgrass.

North, between secs. 19 ^{and} 24,

Wa. 14° 15' East.

Ascend.

10.00 A yellow Pine, 8 ins. dia., which I
 marked '4 S. on W. face, for 14 sec. com.
 dug pits 18x18x12 ins. N. $\frac{1}{4}$ and S. of tree,
 5 1/2 ft. dist, and raised a mound

W. boundary T. 4 N., R. 28 E., G. & S. R. 20.

Lehans.

of earth around trees.

45.00 Top of Ridge, bear E. ^{on} W. and descend.

56.50 Laros Prairie, course E. ^{on} descend.

80.00 Set a sandstone, 18 x 12 x 4 ins., 12 ins.

in the ground, for ex. to sec. 6.

13, 18, 19 ^{and} 24, marked with 3

notches on N. ^{and} S. edges;

from which bears:

A yellow Pine, 20 ins. dia., N. 28° W., 98 lbs. dia.,

marked T. 4 N., R. 27 E., S. 13 B. J

No other trees within limits; raised

a mound of stone along side

Pits impracticable.

Land: mountains.

Soil 3rd ^{and} 4th rate.

Timber of Pine.

Vegetation, bunchgrass.

North, between sec. 13 ^{and} 18.

Var 14° 15' East.

Ascend.

W. boundary T. H. N., R. 28 E., G. 2nd S. R. 11.

Chambers

- 39.00 Top of Ridge, bears $N. 85^{\circ} W.$ $\frac{2}{3}$ $S 85^{\circ} E.$
and descend.
- 40.00 Set a post, 3 ft. long, 3 in. square, 24 in.
in the ground, for $\frac{1}{4}$ sec. cor., marked '44.
on 'W. face; from which bears:
A yellow Pine, 12 in. dia., $S. 87^{\circ} W.$, 45 lks. dist.,
marked '44 S. B. V.
No other tree within limits; dug a
pit 18 x 18 x 12 in. N. of post, $5\frac{1}{2}$ ft.
dist, and raised a mound of earth,
1 $\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, around post.
- 49.00 Cross Creek, 5 lks. wide, course
 $S. 65^{\circ} E.$ and ascend.
- 50.00 Set a sandstone, 20 x 16 x 4 in., 15 in.
in the ground, for cor. to secs. 7, 12, 10 1/2,
marked with 4 notches on S $\frac{2}{3}$ 2
notches on 'N. edges and raised a mound
of stones along side. Pit's unpracticable.
Land mountains. Soil 3rd rate,
Timber of Pine $\frac{2}{3}$ Fir.
Vegetation bunchy mes.

W. boundary J. H N., R. 28 E., T. 7th S. R. W.

Stations

North, between secs. 7th and 12.
 Var. $14^{\circ} 15'$ East.

Ascend.

40.00 Set a sandstone, $16 \times 10 \times 4$ ins., 11 ins. in
 the ground, for 1st sec. cor., marked '14'
 on W. face; from which bears;
 a yellow Pine, 14 ins. dia., $U. 73^{\circ} W$, 31 k. dist.,
 marked '14 D. B. J.'

No other trees within limits; raised
 a mound of stones along side
 Pits impracticable.

80.00 Set a post, 4 ft. long, 4 ins. square,
 with marked stone, 12 ins. in the
 ground, for cor. to secs.

1, 6, 7th and 12, marked

J. H N., S. 6 on N. E.

R. 28 E., S. 7 on S. E.

R. 27 E., S. 12 on S. W. ^{7th}

S. 1 on N. W. face, with 5 notches
 on S. and 1 notch on E. edges,
 dug pits $10 \times 10 \times 12$ ins. in each sec.

W. boundary J. 4 N., R. 28 E., G. 9 S. R. M.

Lehman's

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

Land marking.

Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

North, between secs. 1st & 6.

Wa. 14° 15' East.

Ascend.

40.00 Set a sandstone, 15 x 8 x 7 ins., 10 ins. in the ground, for '14 sec. cor, marked '14 at W. face; from which bears: a yellow Pine, 13 ins. dia., S. 42° W, 79 lks. dist., marked '14 S. B. I.

No other trees within limits; various a mound of stones along side.

Pits impracticable.

79.75 Intersect 1st Standard line North, at a point 11.80 chs West of the Standard

W. boundary T. 4 N., R. 28 E., S. 21 S. R. 21.

Observations

1/4 sec. cor. on N. boundary of sec.
36, T. 5 N., R. 27 E., previously
set by me, and
set a post, 4 1/2 ft. long, 4 in. square, 2 in. dia.
in the ground, for clearing cor. to T. 4 N.,
R. 27th & 28 E., marked
C. C. T. 4 N. & S.

R. 28 E., S. 6 on E. ^{2d} & R. 27 E., S. 1 on W.
faces, with 6 notches on S., E. ^{2d} & W. faces;

From which bears:

a yellow Pine, 18 in. dia., S. 45° E., 32 lks. dist.,
unmarked T. 4 N., R. 28 E., S. 6 B. V.

a yellow Pine, 12 in. dia., S. 50° W., 47 lks. dist.,
unmarked T. 4 N., R. 27 E., S. 1 B. V.

No other trees within limits, raised a mound
of stones around post. Pits unproductive.
Land rolling. Soil 2nd & 3rd rate.
Timber of Pine. Vegetation, bunching mesq.
I carefully examined the adjustments
of my Solar compass today and found
them correct. May 2nd, 1883.

W. boundary T. 5 N., R. 28 E., G. 41 S. R. M.

Chains.

Before proceeding with the exterior of this township, I made a change of 6 minutes in the latitude arc of my Solar Compass, by adding same to the reading previously given and at noon, verified and corrected same, by observation on the sun. I also further tested instrument by reversing.

From the Standard Cor. to Twp. 5 N., R. 27th and 28 E., previously set by me, I run

North, between Secs. 31st and 36,

40. 14° 21' East.

Descend.

6.30 Cross Creek, 5 lks. wide, course S.E. and ascend.

40.00 A yellow Pine, 18 in. dia., which I marked 74 on W. face, for 74 sec. cor.; from which bears:

W. boundary T. 5 N., R. 28 E., G. and S. P.M.

Lehmanis.

A yellow Pine, 18 in. dia., $\text{U. } 50^{\circ}\text{W}$, 24 ft. dist.,
marked T. 5 N., R. 28 E.

No other trees within limits; dug a
pit 18 x 18 x 12 in. S. of tree, 5 1/2 ft. dist.,
and raised a mound of earth
around tree.

80.00 Set a sandstone, 20 x 15 x 4 in., 15 in.
in the ground, for cor. to sec.

25, 30, 31 ^{and} 36, marked with 1
notch in S. ^{and} 5 notches on U.

edges; found which cross:

A yellow Pine, 24 in. dia., $\text{U. } 83^{\circ}\text{W}$, 25 ft. dist.,
marked T. 5 N., R. 28 E., S. 30 B.C.

No other trees within limits; raised
a mound of stone along side
Pits impracticable.

Land rolling.

Soil 2nd and 3rd rate.

Heavy timber of Pine.

Vegetation, bunchgrass.

W. boundary T. 5 N., R. 28 E., G. & S. R. M.

Charris,

Work between secs. 25th & 30.

On. $14^{\circ}18'$ East.

Ascend.

18.00 Top of Spur, bears N. 70° W. and
S. 70° E. and descend.

40.00 Set a sandstone, $30 \times 28 \times 24$ ins.,
22 ins. in the ground, for '14 sec. cor.,
marked '14 on W. face;

From which bears:

A yellow Sand, 30 ins. dia, N. 15° W., 110 lbs. dia,
marked '14 O. B. V.

No other one within limits; raised
a mound of stone alongside

Path impracticable.

42.75 Cross Creek, 5 lks. wide, course
S. 68° E. and ascend.

80.00 Set a sandstone, $16 \times 8 \times 8$ ins., 11 ins.
in the ground, for ev. to sec.
19, 24, 25th & 30, marked with
2 notches on N. & 4 notches on
E. edges; from which bears:

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W. boundary T. 5 N, R. 28 E, S. 25 B. C.

Chambers

A yellow Pine, 11 in. dia., S. 10° W, 97 lks. dist.,
marked T. 5 N, R. 27 E, S. 25 B. C.A yellow Pine, 10 in. dia., N. 74° W, 24 lks. dist.,
marked T. 5 N, R. 27 E, S. 24 B. C.No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

Land mountainous.

Dike 3rd mile.

Heavy timber of Pine.

Vegetation, bunchgrass.

North, between secs. 19 and 24.

W. 14° 18' East.

Ascend.

H.O. 00 Set a sandstone, $20 \times 18 \times 10$ in., 15 in.in the ground, for 1/4 sec. cor.,
marker 1/4 in. W. face; from which bears:A yellow Pine, 18 in. dia., N. 20° E, 27 lks. dist.,
marked 1/4 S. B. C.

No other trees within limits; raised

W boundary T. 5 N., R. 28 E., G. 44 S. R. 22.

Claims.

a mound of stone alongside

Pits impracticable.

80.00

Set a sandstone, 18 x 17 x 10 ins.,
12 ins. in the ground, for cor. to
secs. 13, 18, 19th & 24, marked with
3 notches on N. ^{and} S. edges;

From which bears:

A Pit, 16 ins. dia., S. 47° E., 128 lks. dist.,
marked T. 5 N., R. 28 E., S. 19 B. V.

A Pit, 10 ins. dia., N. 85° W., 18 lks. dist.,
marked T. 5 N., R. 27 E., S. 13 B. V.

No other trees within limits; raised

a mound of stone alongside

Pits impracticable.

Land rolling.

Soil 3rd rate.

Heavy timber of Pine ^{on} Pit.

Vegetation, bunchgrass.

W. boundary J. 5 N, R. 28 E, G. 2nd S. R. 2nd

Lobanias

North, between secs. 13^{and} 18.
Wa. 14° 18' East.

Ascend.

35.00 Top of spur, bears E. ^{and} W. and descend.

40.00 Set a sandstone, 24 x 20 x 9 ins., 18 ins. in the ground, for 1/4 sec. cor, marked 14 on W. face;

From which bears:

A Fir, 14 ins. dia, N. 45° E, 27 lks. dist, marked 14 S. B. J.

No other tree within limits; raised a mound of stone along side.

Pits impracticable.

80.00 Set a sandstone, 16 x 10 x 6 ins., 11 ins. in the ground, for cor to secs. 7, 12, 13^{and} 18, marked with 4

notches on S. ^{and} 2 notches on N. edges; from which bears:

A yellow Pine, 9 ins. dia, N. 39° E, 8 1/2 lks. dist, marked J. 5 N, R. 28 E, S. 7 B. J.

W. boundary T. 5 N., R. 28 E., G. and S. R. M.

Blair, Wis.

A yellow Pine, 20 ins. dia., N. 54° 14' W., 1 1/4 lks. dist.,
marked T. 5 N., R. 27 E., S. 12 B. J.

No other trees within limits; raised
a mound of stave along side

Pits unproductive.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

North, between secs. 7 and 12,

Var. 140° 18' East.

Descend.

4.00 Cross Cañon, course S. 60° E. and ascend.

21.00 Top of S. spur, cross E. and W. and descend.

42.00 Set a post, 3 ft. long, 3 ins. diam., 24
ins. in the ground, for 1/4 sec. cor., marked
1/4 S. in W. face; from which trace:

A yellow Pine, 24 ins. dia., S. 43° 1/2' E., 46 lks. dist.,
marked 1/4 S. B. J.

No other tree within limits; dug a

W. boundary J. 5 N, R. 28 E, G. 2nd S. R. 10

Chamis

pit 18x18x12 ins. U. of post, 5¹/₂ ft. dist, and raised a mound of earth, 1¹/₂ ft. high, 3¹/₂ ft. base, around post.

63.00 Descend right bank of Cañon.

77.00 Cross Creek in Cañon, 20 lks. wide, course S. E. ^W ascend left bank of Cañon.

80.00 An aspen, 14 ins. dia, which I marked J. 5 N, S. 6 on N. E.

R. 28 E., S. 7 on S. E.

R. 27 E., S. 12 on S. W. ^{2nd}

S. 1 on N. W. faces, with 5 notches on S. ^{2nd} / notch on U. edges;

Ground which bears:

A Fir, 9 ins. dia, N. 30° E., 110 lks. dist, marked J. 5 N, R. 28 E., S. 6 B. 3.

A Fir, 6 ins. dia, U. 27° W., 84 lks. dist, marked J. 5 N, R. 27 E., S. 1 B. 3.

No other trees within limits; dug pits 18x18x12 ins. in sec. 7 ^{2nd} 12, 5¹/₂ ft. dist, and raised a mound of earth around tree.

W. boundary T. 5 N., R. 28 E., S. 4 S. 1/2

Claudio,

Land broken and mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir and Aspen,
Vegetation, bunchgrass.

North, between secs. 1st & 6.

W. 14-18' East.

Ascend.

9.00 Along N. bank of Cañon, course S. 45° E.

40.00 An Aspen, 13 in. dia., which I

marked '14 S. on N.W. face, for '14
sec. cor.; from which brass:

An Aspen, 14 in. dia., N. 43° 1/2° E., 6 ft. dist.,
marked '14 S. B. J.

No other tree within limits; dug
a pit 18 x 18 x 12 in. S. of tree, 5 1/2 ft.
dist., and raised a mound of
earth around 1 tree.

80.00 Set a sandstone, 24 x 12 x 10 in.,
18 in. in the ground, for cor. to
Tpo. 5th & 6th N., R. 27th & 28th E.,

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BOOK 1510

W boundary T. 5 N., R. 28 E., G. & O. R. W.

Charris.

marked with 6 notches on each
edge; from which trees:

A yellow Pine, 10 ins. dia., N. 83° E., 24 lks. dist.,

marked T. 6 N., R. 28 E., Q 31 B. J.

A yellow Pine, 12 ins. dia., S. 30 W., 60 lks. dist.,

marked T. 5 N., R. 27 E., Q 1 B. J.

No other trees within limits;

raised a mound of stone along side

Pits impracticable.

Land broken.

Soil 3rd site.

Timber of Pine, Fir & Aspen.

Vegetation, bunchgrass.

May 3rd 1880.

3

N. boundary T. 5 N., R. 28 E., G. W. S. R. M.

Lebanon

Before proceeding with the exterior of this township, I made a change of 5 minutes in the latitude arc of my Solar compass, by adding same to the reading previously given and at noon verified and corrected same by observation on the sun. I also further tested instrument by re-ranging.

From the cor. to Tps. 5^{and} 6 N.,
R. 27^{and} 28 E., ^{met re-established by me} I run

East on a random line, bet. said Tps.
Was. $14^{\circ} 21'$ East.

I set temporary mile ^{and} half-mile
corners at each 40 ^{and} 80 chs., ⁱⁿ find
the township line to be 5 miles, 79 chs.
and 50 lks. long and the facing to
be 73 lks. North of cor. to Tps.
5^{and} 6 N., R. 28^{and} 29 E. The
correction for the true line, will

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BOOK 1310

N. boundary T. 5 N., R. 28 E., S. 34 S. R. W.

Cedar

therefore be $12\frac{1}{6}$ lks. South $8\frac{1}{3}$ lks.West per mile $8\frac{1}{2}$ its course was be $N. 89^{\circ} 55' W.$ From the cor. to T. 5 $6\frac{1}{2}$ N., R.28 29° E., previously set by me, fromN. $89^{\circ} 55' W.$ on a true line, bet. sec. 1 $36.$ W. $14^{\circ} 15'$ East.

Record.

40.00 Set a post, 3 ft. long, 3 ins. square,
24 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ S. on N. face;

From which bear:

an aspen, 6 ins. dia., N. $20^{\circ} W.$, 29 lks. dist.,
marked $\frac{1}{4}$ S. B. S.

No other tree within limits; dug a
pit $18 \times 18 \times 12$ ins. E. of post, $5\frac{1}{2}$ ft.
dist., and raised a mound of
earth, $14\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base around post.

80.00 An aspen, 12 ins. dia., which I marked
T. 6 N., S. 36 on N. E.
R. 28 E., S. 1 on S. E.
T. 5 N., S. 2 on S. W. and

W. boundary T. 5 N., R. 28 E., S. 21 and S. R. 21

Chambers

D. 35 on N.W. face, with 1 notch
on E. and 5 notches on W. edges, for
cor. to secs. 1, 2, 35th & 36;

From which pass:
A Yellow Pine, 8 mi. dist., S. 30° W., 14 lks. dist.,
marked T. 5 N., R. 28 E., S. 21 & 21.

No other trees within limits; dug
pits 18x18x12 ins. in secs. 1, 35th & 36,
5 ft. dist., and raised a mound
of earth around tree.

Land rolling.

Soil 2nd and 3rd rates.

Timber of Pine, Fir and Aspen.

Vegetation, bunchgrass.

N. 87° 55' W. on a true line, bet. secs. 2 & 35

W. 14° 21' East.

Ascend.

40.00 An Aspen, 8 mi. dist., which I marked

14 S. on N. face, for 14 sec. cor.

From which pass:

A Yellow Pine, 10 mi. dist., S. 20° E., 34 lks. dist.

U. boundary T. 5 N., R. 28 E., E. ^{1/2} S. R.

Stations

Marked 14 S. B. V.

A yellow Pine, 7 in. dia., U. 10' W., 32 lks. dist,

marked 14 S. B. V.

50.00 Top of tree, bears N. ^{and} S. ^{and} E. descend.

70.00 Down timber ^{and} enters flat, bears N. ^{and} S.

80.00 Set a post, 4 ft. long, 4 in. square, with

marked stone, 12 in. in the ground,

for cor. to secs. 2, 3, 34 ^{and} 35, marked

T. 6 N., S. 35 on U. E.

R. 28 E., S. 2 on S. E.

T. 5 N., S. 3 on S. W. ^{and} E.

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

on E. ^{and} 4 notches on W. edge, dug

pits in each sec., 5 ^{1/2} ft. dia., and

raised a mound of earth, 2 ft.

high, 4 ^{1/2} ft. base around post.

Land rolling ^{and} hilly.

Soil 2nd and 3rd into.

Timber of Pine, Fir ^{and} Aspens

Vegetation, bunchgrass.

Y boundary N. 5 N., R. 28 E., G. and S. R. 24

Crossing

N. 89° 55' W. marker line, bet. secs. 33 & 34.

Wa. 14° 21' East.

Over Flat.

15.00 Cross Flat, bears N. and S. Quarter timber.

40.00 An Aspen, 6 ins. dia, which I marked

1/4 S. on N. face, for 1/4 sec. cor.;

From which bears:

An Aspen, 15 ins. dia, S. 80° E., 110 lks. dist,

marked 1/4 S. B. V.

No other tree within limits; dug

a pit 18 x 18 x 12 ins. W. of tree, 5' ft.

dist, and raised a mound of earth

around tree.

49.00 Cross Ravine, 10 lks. wide, course

N. 50° E. and ascends.

50.00 Set a sandstone, 16 x 14 x 8 ins, 11 ins.

in the ground, for cor. to secs.

3, 4, 33 and 34, marked with 3

notches on E. and W. edges;

From which bears:

An Aspen, 5 ins. dia, S. 45° W., 13 lks. dist,

N. boundary ∇ . 5 N, R. 28 E, ∇ . 2 E. S. R.

Claims

marked ∇ . 5 N, R. 28 E, ∇ . 4 B. J.

An Aspen, 12 ins. dia, ∇ . 70° W, 25 lks. dist,

marked ∇ . 6 N, R. 28 E, ∇ . 3 B. J.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

Land level ~~was~~ rolling.

Soil 2nd and 3rd sec.

Heavy timber of Pine, Fir & Aspen

Vegetation, hemlock grass.

∇ . 89° 55' W. on a true line, bet. sec. 4th & 3rd.

∇ . 14° 21' East.

Ascends,

20.00 Top of hill, cross N. ^{2nd} and S. ^{2nd} descends

40.00 Set a land stone, 16 x 10 x 8 ins., 11 ins.

in the ground, for 1/4 sec. cor, marked

1/4 on N. face; from which cross:

An Aspen, 10 ins. dia, ∇ . 15° W, 18 lks. dist,

marked 1/4 S. B. J.

No other trees within limits; raised

N. boundary J. 5 N., R. 28 E., S. ^{and} S. R. 2

Claims

a mound of stone alongside

Pits impracticable.

67.00 Lean timber, bears N. ^{and} S. ^{and}
over level land.

80.00 Set a post, 4 ft. long, 4 ins. square,
with marked stone, 12 ins. in the
ground, for cor. to sec.

H. 5, 32 ^{and} 33, marked

J. 6 N., S. 33 on N. E.

R. 28 E., S. 4 on S. E.

J. 5 N., S. 5 on S. W. ^{and}

S. 32 on N. W. faces, with 4

notches on E. ^{and} 2 notches on W.

edges, dug pits 18 x 18 x 12 ins. in
each sec., 5 1/2 ft. dist., and

raised a mound of earth, 2 ft.

high, 4 1/2 ft. base, around post.

Land heavy ^{and} level.

Soil 2 nd ^{and} 3 rd rates.

Timber of Pine, Fir ^{and} Aspen.

Vegetation, bunchgrass.

U. boundary T. 5 N., R. 28 E., S. 32 on S. R. M.

Quarries

U. $89^{\circ}55'W.$ on a true line, bet. sees. 5th and 32.

Wa. $14^{\circ}21'$ East.

Over Flat.

10.00 Enter timber, bears N. and S. and
over rolling land.

40.00 Set a sandstone, $14 \times 12 \times 5$ ins.,
9 ins. in the ground, for $1/4$ sec. cor.,
marked $1/4$ on N. face;
from which bears:

An Aspen, 8 ins. dia., S. $45^{\circ}W.$, 11 lks. dist.,
marked $1/4$ S. B. J.

An Aspen, 6 ins. dia., N. $30^{\circ}W.$, 41 lks. dist.,
marked $1/4$ S. B. J.

80.00 A yellow Pine, 14 ins. dia., which I marked
T. 6 N., S. 32 on U. E.

R. 28 E., S. 5 on S. E.

T. 5 N., S. 6 on S. W. and

S. 31 on N. W. faces, with 1 notch
on W. and 5 notches on E. edges, for
cor. to sees. 5, 6, 31 and 32;

from which bears:

N. boundary T. 5 N., R. 28 E., S. 6th S. R. M.

Crossing

A yellow Pine, 48 in. dia., N. 85° W., 6 lks. dist.,
marked T. 5 N., R. 28 E., S. 6th S.

A yellow Pine, 36 in. dia., N. 70° W., 22 lks. dist.,
marked T. 6 N., R. 28 E., S. 31 S.

No other trees within limits; dug
pits 18 x 18 x 12 in. in secs. 5th 32,
5th ft. dist., and raised a mound
of earth around tree.

Land level and rolling.

Soil 2nd and 3rd rate.

Heavy timber of Pine, Fir and Aspen.

Vegetation, bunchgrass.

N. 89° 55' W. on a true line, bet. secs. 6th 31,

Wa. 14° 21' East,

Descend.

35.40 Cross Ravine, 10 lks. wide, course
D. and ascend.

40.00 Set a larval stone, 18 x 10 x 6 in.,
12 in. in the ground, for 1/4 sec.
cor., marked 1/4 on N. face;

N. boundary T. 5 N., R. 28 E., G. and S. R. M.

Chamis.

from which bears:

A yellow Pine, 48 ins dia., 44.50 ft, 27 ft dia. at base,
marked 14 S. B. T.

No other tree within limits; raised
a mound of stone along side.

Pits impracticable.

79.50 The cor. to Tps. 5th & 6th N., Rs. 27th & 28th E.
Land rolling.

Soil 2nd and 3rd rate.

Heavy timber of Pine and Fir.

Vegetation, bunchgrass.

May 4th 1883.

W. boundary T. 5 N., R. 27 E., S. ^{4th} S. R. M.

Obanis.

From the cor. to Tps. 5th and 6th N.,
recently established by me
R. 27th and 28th E., I run

West on a random line, bet. said Tps.


Wa. $14^{\circ} 21'$ East.

I set temporary half-mile ^{and} mile
corners at each 40 ^{and} 80 chs., ^{and}

find the township line to be 3
miles, 27 chs. ^{and} 78 lks. long ^{and} the
falling to be 37 lks. North of

cor. to fractional Tps. 5th and 6th N., R.
recently established by me -
27th E., ^{and} also cor. on White Mountain
Indian Reservation. The correction

for the true line is therefore 9 1/2 lks.

South  per mile ^{and}
its course will be N. $89^{\circ} 55'$ E.

From the cor. to fractional Tps.
5th and 6th N., R. 27 E., previously
set by me, I run

N. $89^{\circ} 55'$ E., on a true line, bet. secs. 4th and 33,

Wa. $14^{\circ} 23'$ East.

Descend.

U. boundary T. 5 N., R. 27 E., G. 4th S. R.

Quarry.

27.78 Set a larva stone, 20 x 18 x 10 ins.,
15 ins. in the ground, for cor. to
secs. 3, 4, 33rd and 34, marked with
3 notches on E. and W. edges;
From which bears;
a Fir, 7 ins. dia., S. 37° E., 64 lks. dist,
marked T. 5 N., R. 27 E., S. 3 B. J.
An Aspen, 9 ins. dia., N. 85° W., 16 lks. dist,
marked T. 6 N., R. 27 E., S. 33 B. J.
No other trees within limits; raised
a mound of stone along side.

Pits impracticable.

Land broken.

Soil 3rd mts.

Timbers of Pine, Fir and Aspen.

Vegetation, bunchy grass.

N. 89° 55' E. on a true line, bet. secs. 3rd and 34th.

W. 14° 23' East

Descend.

40.00 Set a larva stone, 14 x 7 x 8 ins., 9 ins.

U. boundary T. 5 N., R. 27 E., S. 4th S. R. W.

Chassis

in the ground, for 14 sec. cor.,
marked '14 on N. face;

From which bears;
a Fir, 14 ins. dia, N. 15° W., 21 lks. dist.,
marked '14 S. B. J.

No other trees within limits;
raised a mound of stone
alongside. Pile unpracticed.

51.84 Cross Creek, 6 lks. wide, course
S. E. and ascend.

80.00 Set a laral stone, 17 x 8 x 8 ins.,
11 ins. in the ground, for cor. to
secs. 2, 3, 34th and 35, marked
with 2 notches on E. and 4 notches
on W. edges; from which bears;
a Fir, 9 ins. dia, S. 30° E., 86 lks. dist.,
marked T. 5 N., R. 27 E., S. 3 B. J.
a Fir, 16 ins. dia, N. 10° W., 7 lks. dist.,
marked T. 6 N., R. 27 E., S. 34 B. J.
No other trees within limits;
raised a mound of stone alongside

N. boundary T. 5 N., R. 27 E., G. 4 S. R. 10

Lehans

Pits impracticable.

Land broken.

Soil 3rd rate.

Many timber of Pine, Fir and Aspen.
Vegetation, bunchgrass.

N. 89° 55' E. on a true line, bet. sec. 2nd & 35.

Wa. 14° 23' East

Over level land.

37.00 Lean level land and descend.

40.00 Set a larva stone, 16 + 11 + 9 ins.,
11 ins. in the ground, for 14 sec.
cor., marked 14 on N. face;

from which ran:

A yellow Pine, 24 ins. dia., N. 40° W., 22 lks. dist,
marked 14 S. B. T.

No other tree within limits; raised
a mound of stones along side.

Pits impracticable.

71.85 Cross Creek, 15 lks. wide, course
N. E. and ascend.

W boundary T. 5 N., R. 27 E., G. and S. R. M.

Quartz.

80.00 Set of larva stone, 14 x 10 x 9 ins.,
9 ins. in the ground, for cor. to
secs. 1, 2, 35th and 36, marked
with 1 notch on E. and 5 notches
on W. edges; found which bears:
A Fir, 12 ins. dia., S. 30° E., 13 lbs. dia.,
marked T. 5 N., R. 27 E., S. 1 B. J.
A Fir, 8 ins. dia., N. 27° W., 46 lbs. dia.,
marked T. 6 N., R. 27 E., S. 35 B. J.

No other ~~cor.~~ within limits;
raised a mound of stone
along side. Pits impracticable.
Land level and broken.

Soil 2nd and 3rd rate.

Heavy timber of Pine, Fir and Aspens
Vegetation, bunchgrass.

N. 89° 55' E. on a true line, bet. secs. 1 & 36.

Wa. 14° 23' East.

Ascend.

40.00 Set of sandstone, 20 x 14 x 6 ins.,

W. boundary T. 5 N., R. 27 E., G. & S. R. M.

Collams,

15 ins. in the ground, for 14 sec.
cor., marked 14 on W. face;

From which brass.

A Fir, Paic. dir., N. 60° W., 17 lks. dist.,
marked 14 S. B. C.

No other tree within limits,
raised a mound of stone
along side. Pits
impracticable.

80.00 The cor. to Tps. 5th & 6th N.,
R. 27th and 28th E.

Land broken.

Soil 3rd site.

Many timber of Paic, Fir & Aspens
Vegetation, bunchgrass.

I carefully examined the adjustments
of my Solar Compass today, particularly
the latitude and rising apparatus
and found them correct.

May 5th 1883.

W. boundary J. G. N., R. 28 E., T. 4th S. R. M.

Chamis.

From the cor. to T. 4th S. R. 28 E.,
recently established by me

R. 27th & 28 E., I run
North, between secs. 31st & 36.

W. $14^{\circ} 21'$ East

Record.

19.90 A Yellow Pine, 48 ins. dia.

40.00 Set a post, 3 ft. long, 3 ins. square,
24 ins. in the ground, for 1/4 sec.
cor., marked 1/4 N. on W. face;

from which pass:

A Yellow Pine, 36 ins. dia., S. 25° E., 18 ft. dist.,
marked 1/4 N. B. J.

A Yellow Pine, 8 ins. dia., N. 87° W., 30 ft. dist.,
marked 1/4 N. B. J.

60.00 Beam heavy timber, bear E. & W.

80.00 Set a sandstone, $16 \times 14 \times 7$ ins., 11 ins.
in the ground, for cor. to secos.

25, 30, 31st & 36, marked with 1 notch
on N. & 5 notches on N. edges;

from which pass:

A Yellow Pine, 48 ins. dia., S. 55° W., 57 ft. dist.,

W. boundary, T. 6 N., R. 28 E., S. 36 B. 7, G. and S. R. M.

Chain's

marked T. 6 N., R. 27 E., S. 36 B. 7.

No other trees within limits; raised a mound of stone alongside

Pits impracticable.

Land rolling.

Soil 2nd and 3rd mts.

Heavy timber of Pine.

Vegetation, bunchgrass.

North, between secs. 25th and 30.

Var. 14° 21' East.

Over rolling land.

40.00 Set a lava stone, 11x9x8 ins., two in the ground, for 1/4 sec. cor., marked 1/4 on W. face and raised a mound of stone alongside. Pits impracticable.

80.00 Set a lava stone, 22x16x12 ins., 16 ins. in the ground, for cor. to Secs. 19, 24, 25th and 30, marked with 2 notches on S. and 4 notches on N. edges and raised a mound of

W. boundary T. 6 N., R. 28 E., G. W. S. R. M. C.

Chains.

stone along side. Pits impracticable.

Land rolling.

Soil 2nd and 3rd note.

Timber of Pine.

Vegetation, bunchgrass.

North, between secs. 19th and 24th.

Wa. 14° 21' East.

Over rolling land.

30.00 Enter Flat, bears N. W. $4\frac{1}{2}$ S. O. E.

40.00 Set a lava stone, 10 x 11 x 9 ins.

11 ins. in the ground, for 14 sec.

cor., marked 14 on W. face and

raised a mound of stone

along side. Pits impracticable.

56.00 Leave Flat, bears N. W. and S. E.

and over rolling land.

82.00 Set a sandstone, 10 x 11.7 ins.

11 ins. in the ground, for cor. to

secs. 13, 18, 19th and 24th, marked

with 3 notches on N. and S. edges

W. boundary T. 6 N., R. 28 E., E. ^{1/2} S. 1. R. 14.

Charris

R. 28 E., S. 7 on S. E.

R. 27 E., S. 12 on S. W. and

S. 1 on N. W. faces, with 5 notches
on S. ^{1/2} and 1 notch on N. edges;

from which bears:

An aspen, 10 in. dia., S. 20° E., 130 ft. dist.,
marked T. 6 N., R. 28 E., S. 7 P. 1.

No other trees within limits; dug
pits 18 x 18 x 12 in. in secs. 1, 6 ^{1/2} S.,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft. high, 4 1/2 ft. base
around post.

Land rolling.

Soil 2nd and 3rd rate.

Mixed of Pine ^{and} Aspen.

Vegetation, bunchgrass.

North, between secs. 1 ^{and} 6.

Var. 14° 21' East.

Over rolling land.

12.00 Enter timber, bears E. ^{and} W.

W. boundary T. 6 N., R. 28 E., S. 31 S. R. M.

Colours.

40.00 Set a sandstone, 13x11x8 ins.,
9 ins. in the ground, for '4' sec.
cor., marked '4' on W. face;
from which brass:

A Yellow Pine, 30 ins. dia., S. 20° W., 47 lks. dist.,
marked '4' S. B. C.

No other tree within limits; raised
a mound of stone along side
Pits impracticable.

80.00 Top of Divide, brass N. E. S. W. ^{and}
mark a Yellow Pine, 10 ins. dia.,
T. 7 N., S. 31 on N. E.

R. 28 E., S. 6 on S. E.

T. 6 N., S. 1 on S. W. ^{and}

R. 27 E., S. 36 on N. W. faces, with
6 notches on each edge, for cor. to Sps.

6th T. N., R. 27 ^{1/2} 28 E., from which brass:

A Fir, 16 ins. dia., N. 85° E., 22 lks. dist.,
marked T. 7 N., R. 28 E., S. 31 B. C.

A Fir, 6 ins. dia., S. 39° E., 34 lks. dist.,
marked T. 6 N., R. 28 E., S. 6 B. C.

W. boundary V. C. N., R. 28 E., G. W. S. R. M.

Adams

No other trees within limits; dug
 24 X 18 X 12 ins
 pits in secos. 1 and 36, 6 ft. dist,
 and raised a mound of earth
 2 1/2 ft. high, 5 ft. base around tree.

Land rolling ^{and} broken.

Doed 2nd and 3rd rates.

Heavy timber of Pine ^{and} Fir.

Vegetation, bunchgrasses.

carefully examined the adjustments
 of my Solar Compass today, particularly
 the latitude ^{and} running apparatus
 and found them correct.

May 7th 1883.

N. boundary T. 6 N., R. 28 E., G. & S. R. M.

Chains

Before proceeding further with
the exterior of this Tps, I made
a change of 5 minutes in the
latitude and of my Solar Compass,
by adding same to the reading
previously given and at noon
verified and corrected same, by
observation of the sun. I also
further tested instrument by referring
from the cor. to Tps. 6th & 7th N.,
R. 27th and 28th E., ^{not established} I run

East on a random line bet. said Tps.

Wa. $14^{\circ} 24'$ East.

I set temporary half-mile ^{and} mile
corners at each 40 ^{and} 80 chs, ^{and}
find the Tps. line to be 5 miles,
78 chs. and 63 lks. long and the
falling to be 152 lks. North of
the cor. to Tps. 6th & 7th N., R. 28th & 29th E.
^{recently established by me}
The correction for the true line will
therefore be 1.37 chs. W. ^{and} 25 1/2 lks.

216
 N. boundary T. 6 N., R. 28 E., G. 2nd S. R. 2nd W.

Observations

D. per mile and its course
 twice by N. $89^{\circ}49'W.$

From the cor. to T. 6th N.,
 R. 28th W. 29th E., previously set by me,
 I run

N. $89^{\circ}49'W.$ on a true line, bet. secs. 1st & 36th,
 Was $14^{\circ}21'$ East.

Over rolling land.

7.50 Enter Flat, bears N. ^{and} S.

16.00 Leave Flat, bears N. ^{and} S.

40.00 Set a granite stone, $24 \times 16 \times 4$ ins.,
 18 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
 marked $\frac{1}{4}$ on N. face ^{and} raised a
 stone mound alongside. Pits impracticable.

80.00 Set a lava stone, $16 \times 12 \times 8$ ins., 11 ins. in the
 ground, for cor. to secs. 1, 2, 35th & 36th, marked with
 1 notch on E. ^{and} 5 notches on W. ^{and} raised
 a stone mound alongside. Pits impracticable.

Land rolling ^{and} level.

Soil 2nd and 3rd rate.

Vegetation, bunchgrass

U. boundary T. 6 N., R. 28 E., G. and S. R. M.

Quarries

N. 89° 19' W. on a true line bet. secs 28 & 35.

Wa. 14° 24' East.

Over rolling land.

40.00 Set of lava stone, 14 x 10 x 8 ins.,

9 ins. in the ground, for 1/4 sec.

cor., marked 1/4 on N. face and

raised a mound of stone

along side. Pits impracticable.

80.00 Set of sandstone, 18 x 11 x 9 ins.,

12 ins. in the ground, for cor. to

secs. 2, 3, 34 and 35, marked with

2 notches on E. and 4 notches on

W. edges and raised a mound

of stone along side. Pits impracticable.

Land rolling.

Dial 2nd and 3rd rates.

Vegetation, bunch grass.

N boundary T. 6 N, R. 28 E, E. 1/4 S. 12

Claims.

N. 87° 49' W. on a true line, bet. sec. 33 & 34.

Var. 14° 24' East.

Over rolling land.

40.00 Set a sandstone, 16 x 11 x 10 ins.,
11 ins. in the ground, for 1/4 sec.
cor., marked 1/4 on N. face and
raised a mound of stone
alongside. Pits impracticable.

80.00 Set a laral stone, 24 x 16 x 10 ins.,
18 ins. in the ground, for cor. to
secs. 3, 4, 33rd and 34, marked with
3 notches on E. and W. edges and
raised a mound of stone
alongside. Pits impracticable.
Land rolling.

Soil 2nd and 3rd rate.

Vegetation, bunchgrass.

N. boundary J. G. N., R. 28 E., G. W. S. R.

Lehavis

N. 89° 49' W. on a true line, bet. Secs 4 & 33,
Var. 14° 24' East.

Over rolling land.

15.00 Descend gradually.

23.30 Cross Creek, 5 lks. wide, course
S. 80° W. and ascend.

28.00 Top of spur, bear N. ²/₂ S. ²/₂ descend.

32.00 Cross Creek, 6 lks. wide, course
N. 80° W. and ascend.

38.00 Top of spur, bear N. ²/₂ S. ²/₂ descend.

40.00 Set a lava stone, 16 x 11 x 9 ins.,
11 ins. in the ground, for 14 sec.
cor., marked 14 on N. face and
raised a mound of stone
alongside. Pits impracticable.

48.00 Cross Creek, 7 lks. wide, course
S. 20° W. and ascend.

72.00 Top of spur, bear N. ²/₂ S. ²/₂ descend.

88.00 Set a lava stone, 11 x 11 x 10 ins.,
7 ins. in the ground, for cor. to
secs. 4, 5, 32nd & 33, marked

N. boundary T. C. N., R. 28 E., S. 31 N. R. 24.

Lebanis

with 4 notches on E. ^{and} 2 notches
on W. edges and raised a
mound of stone alongside. Pits
impracticable.

Land rolling ^{and} mountainous.
Soil 2nd and 3rd rate.
Vegetation, bunchgrass.

N. 89° 49' W. on a true line, bet. secs. 5 ^{and} 32,
Va. 14° 24' East.

Descend.

15.80 Cross Wash, 20 lks. wide, course
S. E. and ascend.

40.00 Set a larval stone, 17 x 11 x 8 ins,
11 ins. in the ground, for 1/4 sec.
cor., marked 1/4 on N. face and
raised a mound of stone
alongside. Pits impracticable.

80.00 Set a sandstone, 15 x 14 x 11 ins,
10 ins. in the ground, for cor.
to secs. 5, 6, 31 ^{and} 32 marked

U. boundary T. 6 N., R. 28 E., G. 2nd S. R. M.

Chains

with 5 notches on E. end 1 notch
on W. edges and raised a
mound of stone alongside. Pits
impracticable.

Land rolling.

Soil 2nd and 3rd rates.

Vegetation, bunchgrass.

N. 89° 49' W. and true line bet. secs. 6th 31,
W. 14° 24' East.

Ascend gradually.

• 9.00 Enter timber, bear N. and S.

40.00 Set a sandstone, 20x18x10 ins, 15 ins.
in the ground, for 1/4 sec. cor, marked 1/4
on N. face and raised a mound of
stone alongside. Pits impracticable.

78.63 The cor. to Tps. 6th 7 N., R. 27th 28 E.

Land rolling.

Soil 2nd and 3rd rates

Timber of Pine and Fir.

Vegetation, bunchgrass.

May 8th 1883.

W. boundary T. 7 N., R. 28 E., G. and S. R. M.

Chains.

From the cor. to Tps. 6th & 7th N.,
recently established by me -
Rs. 27th & 28th E., I run

North on a random line, bet. said Rs.

90. 14° 24' East.

I set temporary half-mile^{or} mile
corners at each 40^{or} 80 chs. and

find the Range line to be 6
miles^{or} 34 lks. long and the

falling to be 40 lks. E. of cor. to

Tps. 7th & 8th N., Rs. 27th & 28th E. The

correction for the true line will

be therefore 34 lks. S. ^{or} 6²/₃ lks.

W. per mile^{or} its course will be S. 8° E.

From the cor. to Tps. 7th & 8th N.,

Rs. 27th & 28th E., which is a

lava stone, set firmly in the

ground marked with 6 notches

on each edge and with a stone

ground in good order, along side;

from which bear:

A Yellow Pine, 14 in. dia., N. 55° E., 14 lks. dist.,

W. boundary T. 7 N., R. 28 E., S. 31 S. W.

Leham's

marked T. 8 N., R. 28 E., S. 31 S. W.

a yellow pine, 12 in. dia., S. 80° E., 20 lks. dist.,

marked T. 9 N., R. 28 E., S. 6 S. W.,

From

S. 3° E. on a true line, bet. secs. 1 & 6,

Var. 14° 29' East.

Descent.

35.34 Enter Flat, bears N. 20° E. ²/₃ S. 20 W.

40.34 Set a sandstone, 16 x 11 x 10 in., 11 in.

in the ground, for 14 sec. cor.,

marked 14 on W. face ³/₄ a raised

a mound of stone alongside. Pits

impracticable.

40.94 Cross Colorado River, 20 lks. wide,

course N. 30° E.

53.34 Leave Flat, bears N. 30° E. and S. 30 W.

and ascend.

88.34 Set a laral stone, 16 x 9 x 9 in., 11 in.,

in the ground, for cor. to secs.

1, 6, 7 ^{and} 12, marked with 1 notch

on N. and 5 notches on S. edges;

W. boundary T. 7 N., R. 28 E., G. & O. R. M.

Adams.

from which bears:

a yellow Pine, 30 ins. dia., N. 65° E., 54 lbs. dia.,
marked T. 7 N., R. 28 E., D. 6 B. C.

a yellow Pine, 14 ins. dia., N. 80 W., 34 lbs. dia.,
marked T. 7 N., R. 27 E., D. 1 B. J.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

Land level ^{not} rolling.

Soil 2nd and 3rd rate.

Timber of yellow Pine.

Vegetation, bunchgrass.

S. 3' E on a tree line, bet. secs. 7 & 12,

Wa. 14° 20' East

Ascend gradually.

410.00 Set a larval stone, 18 x 11 x 6 ins.,
12 ins. in the ground, for '14 sec. cor.,
marked '14 on W. face;

from which bears:

a yellow Pine, 4 8 ins. dia., S. 80 E., 14 lbs. dia.,

W. bound any J. 7 N., R. 28 E., G. 2 S. R. M.

Lohman's

marked 74 S. B. 7.

No other trees within limits;
raised a mound of stone along side
Pits impracticable.

52.44 Cross road, bears N. 60° W. and S. 60° E.

80.00 Set a sandstone, 24 x 16 x 6 ins.,
18 ins. in the ground, for cor. to
Rees, 7, 12, 18 and 18, marked with
4 notches on S. and 2 notches
on N. edges; from which bears:
a yellow Pine, 48 ins. dia., S. 88° E., 18 kds. dist.,
marked J. 7 N., R. 28 E., S. 18 B. 7.

No other trees within limits;
raised a mound of stone along side
Pits impracticable.

Land rolling.

Soil 2nd and 3rd site.

Timbers of Pine and Aspens.

Vegetation, bunchgrass.

W. boundary T. 7 N., R. 28 E., G. & S. R. M.

Colman's

S. 3° E. on a true line, bet. sec. 13 & 14

W. $14^{\circ} 24'$ East.

Descend gradually.

40.00 Set a laral stone, $16 \times 15 \times 6$ ins.,
11 ins. in the ground, for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on W. face; from which bear:
An Aspen, 7 ins. dia., S. 30° E., 14 lks. dist.,
marked $\frac{1}{4}$ S. B. J.

No other trees within limits; raised
a mound of stone alongside.

Pits impracticable.

52.55 Cross West, .5 lks. wide, course

N. W. and ascend.

80.00 Set a laral stone, $16 \times 10 \times 7$ ins., 11 ins.

in the ground, for cor. to sec.

13, 18, 19 ^{and} 24, marked with 3

Notches on N. and S. edges;

From which bear:

A Yellow Pine, 10 ins. dia., N. 35° E., 31 lks. dist.,

marked T. 7 N., R. 28 E., S. 18 B. J.

A Yellow Pine, 11 ins. dia., N. 86° W., 9 lks. dist.,

W. boundary T. 7 N., R. 28 E., G. and S. R. M.

Ascend.

marked T. 7 N., R. 27 E., S. 18 B. T.

No other trees within limits; raised
a mound of stone along side. Pits
impracticable.

Land rising.

Soil 2nd and 3rd rate.

Timber of Pine, Fir and Aspen.

Vegetation, bunchgrass.

S. 3 E. on a true line, bet. sees. 19th and 24th.

Wa. 14° 24' East.

Descend.

16.41 A yellow Pine, 24 in. dia.

19.00 Dead timber, bears E. and W.

40.00 Set a sandstone, 23 x 11 x 8 in.,
16 in. in the ground, for 14 sec.
er., marked 14 on W. face and
raised a mound of stone
along side. Pit impracticable.

50.00 Enter timber, bears E. and W.

80.00 Set a hard stone, 12 x 9 x 8 in.,

W. boundary T. 7 N., R. 28 E., G. & S. R. M.

Stems

Stems in the ground, for ex. to
secs. 19, 24, 25th & 30, marked
with 2 notches on S. ^{2nd} & 4
notches on N. edges;

from which cross

A yellow Pine, 6 in. dia., N. 20° E., 40 lks. dist.,
marked T. 7 N., R. 28 E., S. 19 B. V.

A yellow Pine, 8 in. dia., N. 45° W., 60 lks. dist.,
marked T. 7 N., R. 27 E., S. 24 B. V.

No other trees within limits; raised
a mound of stones alongside.

Pits impracticable.

Land rolling.

On 2nd and 3rd rates.

Many timber of yellow Pine.

Vegetation, bunchgrass.

S. 3' E. on a tree line, bet. secs. 25th & 30.

W. 14° 24' East.

Descend, and leave timber, cross E. & W.

28.32 Cross Creek, 3 lks. wide, course W

W. boundary T. 7 N., R. 28 E., G. 2nd S. R. M.

Latham's

and ascend.

40.00 Set a larva stone, $17 \times 17 \times 6$ ins,
11 ins. in the ground, for $\frac{1}{4}$ sec.
cor., marked $\frac{1}{4}$ on W. face and
raised a mound of stone
alongside. Pits impracticable

80.00 Set a sandstone, $18 \times 10 \times 7$ ins, 12 ins.
in the ground, for cor. to secs.
25, 30, 31 and 36, marked with 1
notch on N. and 5 notches on W.
edges and raised a mound of
stone alongside. Pits impracticable
Land rolling.

Soil 2nd and 3rd mile.

Vegetation, bunchgrass.

S. 3'E. on a true line, bet. secs. 31^{and} 36
W. 14° 24' East.

Over level land.

40.00 Set a larva stone, $16 \times 11 \times 5$ ins,
11 ins. in the ground, for $\frac{1}{4}$ sec. cor.,

W. boundary T. 7 N., R. 28 E., G. and S. R. M.

Cham's

marked '14 on W. face and raised
a mound of stone alongside. Pits
impracticable,

73.00 Enter timber, bears E. and W.

80.00 The cor. to Tps. 6th and 7th N.,
R. 27th and 28th E.

Land level.

Soil 2nd and 3rd rate.

Timber of Pine and Aspen.

Vegetation, bunchgrass.

I carefully examined the adjustments
of my Great Compass today,
particularly the latitude and
sunning apparatus and
found them correct.

May 9th 1883.

N. boundary T. 7 N., R. 28 E., G. 3rd S. R. M.

Column 1.

Before proceeding with the retracing of this boundary, I made a change of 5 minutes in the latitude arc of my Solar Compass, by adding same to the reading previously given and at noon verified ~~and corrected~~ same, by observation on the sun & also further tested instrument by reversing.

From the cor. to Tps. 7th N., R. 28th & 29th E., previously described, by me
 From

West on a random line, along boundary,
 Wa. 14° 21' East.

Descend.

40.00 To old 1/4 sec. cor, which is a sandstone, set firmly in the ground, marked 1/4 on N. face, with a stone mound in good view alongside.

N. boundary T. 7 N., R. 28 E., G. and S. R. 71

Lohanis

80.00 To sec. cor. to secs. 1, 2, 35th and 36,
 which is a sandstone set
 firmly in the ground, marked
 with 1 notch on E. th and 5 notches
 on W. edges, with a stake round
 in good order, alongside.
 Land rolling.

Soil 2nd and 3rd rate.

Vegetation, bunchgrass.

From the cor. to secs. 1, 2, 35th and 36, from
 West on a random line, along boundary,
 Wa. 14° 24' East.

Descend.

40.00 To sec. 44 sec. cor, which is a
 post, set firmly in the ground,
 marked 14 S. on N. face, with a
 pit E. of post, 5 1/2 ft. dist., and a
 mound of earth in good order
 around post; find which bear;
 a yellow Pine, 18 in. dia., N. 80 W., 18 lks. dist.,

N. boundary T. 7 N., R. 28 E., G. and S. R. 10

Colman's

Marked $\frac{1}{4}$ S. B. C.

00.00 To a point 20 lks. $\frac{1}{4}$ of sec. cor.
to secs. 2, 3, 34 and 35, which is
a sandstone set firmly in the
ground, marked with 2 notches
on E. and 4 notches on W. edges
with a stone mound in good
order, along side.

The correction for the true line
will therefore be 20 lks. S. $\frac{1}{4}$ in its
course will be $N. 89^{\circ} 40' E.$

Land broken.

Soil 2nd and 3rd sec. nice.

Timber of Pine and Fir.

Vegetation, bunchgrass.

From the cor. to secs. 2, 3, 34 and 35, run
West on a random line along boundary,
Var. $11^{\circ} 24'$ East.

Descend.

010.00 To old $\frac{1}{4}$ sec. cor., which is a

N. boundary T. 7 N., R. 28 E., G. W. O. R. 1

Observations

sandstone, set firmly in the ground, marked 1/4 on N. face with a stone mound, in some cases along side.

St. 00 To old cor. to secs. 3, 4, 33rd and 34, which is a lava stone, set firmly in the ground, marked with 3 notches on E. and W. edges, with a stone mound in same order along side; from which was: a yellow Pine, 30 in. dia., θ 30° W, 6 lks. dist., marked T. 7 N., R. 28 E., S. 33 B 1.

Land broken.

Pine 2nd and 3rd etc.

Timber of yellow Pine,

Vegetation, bunchgrass,

From the cor. to secs. 3, 4, 33rd and 34, from West or a random line along boundary.

Was 14° 24' East.

Over broken land.

N. boundary T. 7 N., R. 28 E., G. 4th S. R. 2

Chains.

- 4.00 Cross creek, 8 lks. wide, course N.
and ascend.
- 29.00 Top of Spur, bears N. 45° S. 9° descend.
- 40.00 Found no trace of old $1/4$ sec. cor.
Set temporary $1/4$ sec. cor.
- 72.00 Cross creek, 6 lks. wide, course
N. and ascend.
- 80.00 Found no trace of old cor. to sec.
4, 5, 32 and 33. Set temp. sec. cor.
Thence I continue
West on a random line, along boundary,
Ta. $14^{\circ} 24'$ East.
Over broken land.
- 40.00 Failed to find old $1/4$ sec. cor.
Set temporary $1/4$ sec. cor.
- 80.00 Failed to find old cor. to sec.
5, 6, 31 and 32. Set. temp. sec. cor.
Thence I continue
West on a random line, along boundary,
Ta. $14^{\circ} 24'$ East.
Over broken land.

N. boundary T. 7 N., R. 28 E., G. 4 S. R. 4

Observs.

- 40.00 Failed to find old $\frac{1}{4}$ sec. cor.
Set temporary $\frac{1}{4}$ sec. cor.
- 45.00 Cross Creek, 14 lks. wide, course
N. 10° W. and ascend.
- 79.00 To a point 40 lks. South of
old cor. to T. 7 and S. N.,
R. 27 and 28 E., previously described.
The correction for the true line is
therefore $13\frac{1}{3}$ lks. N. and 1.00 ch. 20.
per mile and its course will be $S 89^{\circ} 54' E$.
From the cor. to T. 7 and S. N.,
R. 27 and 28 E., I run
 $S 89^{\circ} 54' E$. on a true line, bet. sec. 6 and 36.
W. $14^{\circ} 29'$ East.
- 39.00 Set a sandstone, $18 \times 11 \times 5$ ins, 12 ins
in the ground, for $\frac{1}{4}$ sec. cor, marked
 $\frac{1}{4}$ on N. face; from which bears
a green Pine, 9 ins. dia., $N. 30^{\circ} W$, 46 lks. dist,
marked $\frac{1}{4}$ O. B. V.
No other tree within limits; raised
a mound of stone along side

U. boundary V. 7 N., R. 28 E., S. 31 B. C.

Lehman

Pits impracticable.

79.00 Set a sandstone, 20 x 16 x 4 ins.,
15 ins. in the ground, for cor. to
secs. 5, 6, 31 and 32, marked with
1 notch on W. and 5 notches on E.
edges; from which bears:
a Yellow Pine, 16 ins. dia., N. 38° W., 96 chord,
marked V. 8 N., R. 28 E., S. 31 B. C.
No other tree within limits; raised
a mound of stone alongside

Pits impracticable.

Land broken.

Soil 2nd and 3rd rate.

Timber of Pine and Fir.

Vegetation, bunchgrass.

S. 89° 54' E. on a true line, bet. secs. 5th and 32.

Var. 14° 20' East

240.00 Set a sandstone, 12 x 8 x 6 ins., 8 ins.
in the ground, for 14 sec. cor.,
marked 14 on N. face;

N. boundary T. 7 N., R. 28 E., G. 2 S., R. 20 W.

Lehans.

from which brass:

a yellow Pine, 14 ins. dia., N. 20° E., 86 lks. dist.,
marked 1/4 S. B. I.

No other trees within limits; raised
a mound of stave alongside

Pits impracticable.

80.00 Set a sandstone, 18x15x8 ins., 12 ins.
in the ground, for cor. to sec.

H. J. 32nd and 33, marked with 4
notches on E^o and 2 notches on W.
edges; from which brass:

a yellow Pine, 14 ins. dia., S. 45° E., 28 lks. dist.,
marked T. 7 N., R. 28 E., S. 2 B. I.

No other trees within limits; raised
a mound of stave alongside

Pits impracticable.

Land broken.

On 3rd rate.

Timber of Pine & Fir.

Vegetation, bunchgrass.

N. boundary T. 7 N., R. 28 E., G. and O. R. Co.

Bluffs

S. 89° 54' E. on true line, bet. secs. 14th & 33,
W. 14° 24' E. bet.

40.00 Det a sandstone, 14 + 7 x 6 ins., 9 ins.
in the ground, for '14 sec. cor., marked
'14 on N. face; from which bears:
A yellow P. 12 ins. dia., N. 50° W., 36 lbs. dist,
marked '14 D. B. J.

No other tree within limits; raised
a mound of stone along side
Pits impracticable.

80.00 To cor. to secs. 3, 4, 33rd & 34,
land broken.

Soil 2nd and 3rd sites.
Fossils of P. 12.

Vegetation, bunch grass.
May 10th 1880.

N. boundary T. 6 N., R. 27 E., G. and S. R. M.

Coham's

Before proceeding with the
 extent's of this Tps., I made a
 change of 5 minutes in the
 latitude arc of my Solar Compass,
 by subtracting same from the
 reading previously given and
 at once verified the corrected
 same by observation on the
 sun. I also further tested
 instrument by reversing.

From the cor. to Tps. 6th N.,
 recently established by me -
 Ro. 27th & 28th E., I run

West on a random line, bet. said Tps.

6th & 7th N.,

Set temporary half-mileth & mileth
 corners at each 40th and 80th chs., and find
 the Tps. line to be 5 miles, 79 chs.,
 and 75 lks long and the following to
 be 38 lks. North of cor. to Tps.
 6th and 7th N., Ro. 26th and 27th E. The
 correction for the true line will be

N. boundary S. 6 N., R. 27 E., T. 2nd S. R. M.

Chains

Therefore 25 lks. W. and 6 1/3 lks.

S. per mile ⁴ and its course were $N. 89^{\circ} 57' E.$

From the cor. to Tps. 6th & 7th N., R.

26th & 27th E., previously set by me, June

$N. 89^{\circ} 57' E.$ as a true line, bet. sec. 6th & 31.

W. $14^{\circ} 26' E.$ exact.

Descend.

11.25 Cross Cañon, 50 lks. wide, course

N. and ascend.

32.75 Top of Ridge, bear N. $20^{\circ} E.$ and

$N. 20^{\circ} W.$ and descend.

• 39.75 An Aspen, 13 ins. dia., which I marked

1/4 S. on N. face, for 1/4 sec. cor.;

From which bear;

An Aspen, 11 ins. dia., $N. 10^{\circ} E.$, 21 lks. dist.,

marked 1/4 S. B. J.

No other tree within limits; dug

a pit $18 \times 18 \times 12$ ins. W. of tree, 5 ft.

dist., ⁴ and raised a mound of

earth around tree.

79.75 An Aspen, 12 ins. dia., which I marked

N. boundary T. 6 N., R. 27 E., G. 9 v. R. 10.

Locations

T. 7 N., S. 32 or N. E

R. 27 E., S. 5 or S. E.

T. 6 N., S. 6 or S. W. 9th

S. 31 or N. W. faces, with 5 notches on E. ^{9th} and 1 notch on W. edges, for cor. to secs. 5, 6, 31^{9th} and 32; from which ran: a fir, 14 ins. dia., S. 89° W., 18 lks. dist, marked T. 6 N., R. 27 E., S. 6 B. J.

No other trees within limits; dug pits 18 x 18 x 12 ins. in secs. 5, 31^{9th} and 32 5 1/2 ft. dist, and raised a mound of earth around tree.

Land mountainous.

Soil 3rd rate.

Heavy timber of Pine, Fir ^{and} Aspen.
Vegetation, bunchgrass.

N. 89° 57' E. on a true line bet. secs. 5^{9th} and 32.
Var. 14° 26' East.

Descend adn. pretty.

5, 48 across creek, 12 lks. wide, course N. E.

Y. boundary T. 6 N., R. 27 E., S. 21 N. R. M.

Chas. W.

and ascend.

40.00 A Fir tree, 12 ins. dia, which I marked
T. 4 N. on W. face, for 14 sec. cor.;

From which brass:

An Aspen, 10 ins. dia, N. 86° E., 13 lks. dist,
marked T. 4 S. B. J.

No other trees within limits; dug
a pit 18 x 18 x 12 ins. W. of tree, 5 ft.
dist, and raised a mound of
earth around tree.

80.00 A Fir, 12 ins. dia, which I marked
T. 7 N., S. 33 on N. E.

R. 27 E., S. 4 on S. E.

T. 6 N., S. 5 on S. W. ^{2nd}

S. 32 on N. W. faces, with 2 notches
on W. ^{2nd} and 4 notches on E. edges, for
cor. to secs. 4, 5, 32 ^{2nd} and 33; from which brass:

An Aspen, 10 ins. dia., S. 87° W., 21 lks. dist,
marked T. 6 N., R. 27 E., S. 5-13 S.

No other trees within limits; dug
pits 18 x 18 x 12 ins. in secs. 4, 32 & 33.

N. boundary T. 6 N., R. 27 E., G. ^{2nd} S. R. 111

Obtainis.

5 1/2 ft. dist, and raised a mound of earth around tree.

Land broken.

Soil 3rd rate.

Heavy timber of Pine, Fir and Aspens. Vegetation, bunchgrass.

N. 89° 57' E. on a true line, bet. Secs. 4 ^{and 3} 30.
Var. 14° 26' East.

Ascend.

31.00 Top of Ridge, bears N. 30° E. and S. 30° W. and descend.

40.00 Set a post, 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for 1/4 sec. cor, marked 1/4 S. on N. face; from which bears a yellow Pine, 24 ins. dia., N. 40° E., 91 ft. dist, marked 1/4 O. B. C.

No other tree within limits; dug a pit 18x18x12 ins. W. of post, 5 1/2 ft. dist, and raised a mound of earth,

N. boundary S. 6 N., R. 27 E., G. and S. R. W.

Columnis.

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

62.20 Cross Creek, 5 lks. wide, course
N. and ascends.

80.00 Set a sandstone, 30 x 18 x 8 ins., 22 ins.,
in the ground, for cor. to secs.

3, 4, 33rd and 34, marked with 3
notches on E. and W. edges and
raised a mound of stone
along side. Pits impracticable.

Land mountains.

Soil 2nd and 3rd rate.

Soil of Pine and Fir.

Vegetation, bunchgrass.

N. 59° 57' E. on a true line, bet. secs. 3rd and 34,

Wa. 14° 26' East.

ascends.

140.00 Set a sandstone, 36 x 24 x 8 ins., 27 ins.,

in the ground, for 1/4 sec. cor., marked
1/4 on N. face; from which bears:
a yellow Pine, 9 ins. dia., N. 18' W., 86 lks. dist.,

N. boundary T. 6 N., R. 27 E., G. and S. R. 20

Chassis.

marked T. 6 N., R. 27 E.

No other trees within limits; raised
a mound of stone alongside

Pits impracticable.

53.00 Top of Spur, bears N. and S. $\frac{1}{4}$ descend.

80.00 Set a sandstone, 24 x 20 x 8 ins., 18 ins.

in the ground, for cor. to sec.

2, 3, 34 $\frac{1}{4}$ 35, marked with 2

notches on E. $\frac{1}{4}$ 4 notches on W.

edges; from which bears:

A yellow Pile, 18 ins. dia., 0.82° W., 30 lks. dist.,

marked T. 6 N., R. 27 E., D. 3 B. V.

No other trees within limits; raised

a mound of stone alongside

Pits impracticable.

Round mountains.

Soil 3rd rate.

Timber of Pine $\frac{1}{4}$ Fir.

Vegetation, bunchgrass.

N. boundary T. 6 N., R. 27 E., G. and S. R. W.

Lehman's

N. $89^{\circ} 57' E$, on a true line, bet. secs. 2 & 35.
 Gas. $14^{\circ} 26' East$.

Descend.

35.20 Cross Creek, 10 lks. wide, course
 N. $10^{\circ} E$. and ascend.

40.00 Set a sandstone, $12 \times 12 \times 6$ ins.,
 6 ins. in the ground, for $\frac{1}{4}$ sec. cov.,
 marked $\frac{1}{4}$ on N. face and raised
 a mound of stone alongside. Pits
 impracticable.

45.00 Top of Spar, bears N. and S. and descends.

58.80 Cross Wash, 20 lks. wide, course
 N. $20^{\circ} E$. and ascend.

80.00 Set a sandstone, $20 \times 12 \times 6$ ins., 15 ins. in
 the ground, for cov. to secs. 1, 2, 35 & 36,
 marked with 1 notch on E. and 5
 notches on W. edges and raised a mound
 of stone along side. Pits impracticable.
 Land mountains. Soil 3rd rate.
 Timber of Pine.
 Vegetation, bunchgrass.

N. boundary D. 6 N., R. 27 E., G. 4 S. R. W.

Chassis

N. 89° 57' E. on a true line, bet. secs. 1st & 36.

Wa. 14° 26' East.

Ascend gradually.

40.00 Det of sandstone, 10 x 10 x 8 in., this
in the ground, for 1/4 sec. cor.,
marked '1' on N. face and
raised a mound of stone
along side. Pits impracticable.

80.00 The cor. to Sps. 6th 7 N., R.
27th and 28th E.

Land broken.

Price 3rd rate.

Timber of Price

Vegetation, bunchgrass.

May 11th 1883.

W. boundary T. 7 N., R. 27 E., S. 31 and S. R. W.

Colonia.

From the cor. to Tps. 6 and 7 N.,
recently established by me -
R. 26 and 27 E., T. 7 N.

North, between secs. 31 and 36.

Var. 14° 26' East

Ascend.

32.00 Top of Ridge, trans E. and W. descends.

40.00 a Fir tree, 11 1/2 ins. dia., which I marked
14 P. on W. face, for 1/4 sec. cor.;

From which trans:

a Fir, 18 ins. dia., N. 20° E., 19 lks. dist.,
marked 14 S. B. C.

No other tree within limits; dug a
pit 18 x 18 x 12 ins. S. of tree, 5 1/2 ft. dist.,
and raised a mound of earth
around tree.

80.00 a Fir tree, 24 ins. dia., which I marked
T. 7 N., S. 30 on N. E.

R. 27 E., S. 31 on S. E.

R. 26 E., S. 36 on S. W. and

S. 25 on N. W. faces, with 1 notch
on S. and 5 notches on N. edges, for

W. boundary T. 7 N., R. 27 E., G. 9th S. R. 10th W.

Examined,

cor. to secs. 25, 30, 31st and 36;

From which bear:

a Fir, 6 ins. dia., S. 27° W., 50 lks. dist.,
marked T. 7 N., R. 26 E., S. 36 B. 7.

a Fir, 12 ins. dia., N. 45° W., 10 lks. dist.,
marked T. 7 N., R. 26 E., S. 25 B. 7.

No other trees within limits; dug

posts 18x18x12 ins. in secs. 30th and 31,

5' ft. dist., and raised a mound

of earth around tree.

Local mountains.

Soil 3rd mes.

Many timber of Pine, Fir^{us} & Spruce.

Vegetation, bunchgrasses.

Woods, between secs. 25th and 30,

N. 14° 26' East

Descend.

40.00

a Fir tree, 24 ins. dia., which I marked
74 S. on W. face, for 74 sec. cor.,

from which bear:

W. boundary T. 7 N., R. 27 E., S. 1/4 S. R. 27 E.

Claims.

A Fir, 12 ins. dia., N. 20° W., 46 lks. dist.,
marked 14 P. B. V.

No other trees within limits; dug a
pit 18x18x12 ins S. of tree, 5 1/2 ft
dist., and raised a mound of
earth around tree.

50.00 Set a post, 64 ft long, 4 ins diam,
24 ins. in the ground, for cor. to
Secs. 19, 24, 25 and 30, marked
T. 7 N., S. 19 on N. E.

R. 27 E., S. 30 on S. E.

R. 26 E., S. 25 on S. W. and

S. 24 on N. W. faces, with 2
notches on S. and 4 notches on
N. edges; from which bears:

a Fir, 12 ins. dia., S. 30° W., 52 lks. dist.,
marked T. 7 N., R. 26 E., S. 25 P. B. V.

No other trees within limits; dug
pits 18x18x12 ins, in Secs. 19, 24 & 30,
5 1/2 ft. dist., and raised a mound
of earth, 2 ft high, 4 1/2 ft. base around post.

W. boundary T. 7 N., R. 27 E., S. ^{2nd} S. R. W.

Chambers.

Land broken.

Soil 3rd rate

Many timber of Pine ^{4th} & Fir.

Vegetation, bunchgrass.

North, between secos. 19 ^{and} 24,

Ya. 14° 26' East.

Descend.

40.00 Set a sandstone, 18x10x7 in., 12 in.
in the ground, for 1/4 sec. cor.,
marked 14 on W. face, from which bears:
a Fir, 12 in. dia., N. 89° W., 7 lts. dist.,
marked 14 D. B. V.

No other tree within limits; raised
a mound of stone along side
Pits impracticable.

69.28 Lemo Creek, 6 lts. wide, course
N. 30° E. ^{and} ascend.

80.00 An aspen, 12 in. dia., which I marked
T 7 N., D. 18 on N. E.
R. 27 E., S. 19 on D. E.

W. boundary T. 7 N., R. 27 E., G. and O. R. M.

Cham's

R. 26 E., S. 24 m. S. W. and
S. 13 m N. W. faces, with 3
notches on W. and S. edges, for
cor. to secs. 13, 18, 19 and 24;

from which bears:

An aspen, 7 ins. dia., N. 27° E., 48 lks. dist.,
marked T. 7 N., R. 27 E., S. 18 B.V.

An aspen, 8 ins. dia., N. 45° W., 28 lks. dist.,
marked T. 7 N., R. 26 E., S. 13 B.V.

No other trees within limits; dug
pits 18 x 18 x 12 ins. in secs. 19 & 24,
3 1/2 ft. dist., and raised a mound
of earth around trees.

Land broken.

Soil 3rd rate.

Many timber of Pine, Fir and Aspen.
Vegetation, bunchgrass.

W. boundary T. 7 N., R. 27 E., G. & O. R. M.

Blamis

North, between secs. 18th & 18,

N. 14° 26' East.

Ascend.

2.00 Top of Spur, bears E. ²/₄ W. ²/₄ descend.

20.00 Leave timber bears E. ²/₄ W.

40.00 Set a Post, 3 ft. long, 3 in. square, with marked stone, 12 in. in the ground, for ¹/₄ sec. cor., marked ¹/₄ S. on W. face, dug pits 18 x 18 x 12 in.

N. ²/₄ W. S. of post, 5 ¹/₂ ft. dist., and raised a mound of earth, 1 ¹/₂ ft. high, 3 ¹/₂ ft. base, around post.

80.00 Set a sandstone, 14 x 12 x 7 in., 9 in. in the ground, for cor. to secs. 7, 12, 13 & 14, marked with 4 notches on S. ²/₄ W. & 2 notches on W. edges ²/₄ W. raised a mound of stone along side. Pits in practice

Land mountains.

Do it 3rd mile.

Timber of Pine ²/₄ Fir.

Vegetation bunchgrass.

W. boundary T. 7 N., R. 27 E., G. and S. R. 20

Grains

North, between Secs. 7 and 12,

Qa. 14-26 East.

Over rolling land.

40.00 Set a sandstone, 14 x 8 x 4 ins., 9 ins.
in the ground, for 1/4 sec. cor., marked
1/4 on W. face and raised a mound
of stone alongside. Pit impracticable.

51. 30 Cross Creek, 5 lks. wide, course
W. and ascend.

80.00 Set a sandstone, 16 x 10 x 4 ins.,
11 ins. in the ground, for cor. to
secs. 1, 6, 7 and 12, marked with
5 notches on N. and 1 notch on
E. edges and raised a mound
of stone alongside. Pit impracticable.

Land rolling.

Soil 2nd and 3rd rate.

Vegetation, bunchgrass.

W. boundary T. 7 N., R. 27 E., G. and S. R. M.

Chanis

North, between secs. 1 and 6.

Wa. $74^{\circ} 26'$ East.

Ascend.

32.00 Top of Ridge, bears N. 60° E. $\frac{2}{3}$ S. 60° W. and descend.

40.00 Set a lava stone, $18 \times 12 \times 7$ ins., 12 ins.
in the ground, for '14 sec. cor., marked
'14 on W. face and raised a mound of
stone along side. Pits unpracticable.

80.00 Set a sandstone, $24 \times 10 \times 7$ ins., 18 ins.
in the ground, for cor. to T. 7 N.,
R. 27 E. 26° E, marked
with 6 notches on each edge and
raised a mound of stone
along side. Pits unpracticable.
Lava mountains.

Soil 3rd rate.

Vegetation, bunchy grass.

I carefully examined the adjustments
of my Solar compass today
particularly the latitude and
found them correct. May 12th 1883.

N. boundary T. 7 N., R. 27 E., S. ^{and} S. R. M.

Edwards

Before proceeding further with the exterior of this Twp. I made a change of 5 minutes in the latitude arc of my Solar Compass by adding same to the reading previously given and at noon, verified and corrected same, by observation on the sun. I also further tested instrument by reversing.

From the cor. to Tps. 7 ^{and} 8 N.,
Rs. 27 ^{and} 28 E., previously described, by me
I run

West on a random line, bet. said Tps.
W. a. 14° 29' E. cont.

I set temporary half-mile ^{and} mile
corners at each 40 ^{and} 80 chs., ^{and}
find the Twp. line to be 5 miles,
78 chs. ^{and} 85 lks. S. ^{and} the
falling to be 59 lks. South of
Cor. to Tps. 7 ^{and} 8 N., Rs. 26 ^{and} 27 E.
previously set by me.

N. boundary T. 7 N., R. 27 E., G. S. R. M.

Ascend.

The correction for the true line, will therefore be 9 1/2 lks. North & 1.15 chs. W. per miles and its course will be $S 89^{\circ} 56' E$.

From the cor. to Tps. 7th & P. N., R. 26th & 27th E., I run $S 89^{\circ} 56' E$ on a true line, bet. secs. 6 & 31. Wa. $14^{\circ} 29' East$.

Descend.

38.85 Set a sandstone, $14 \times 12 \times 11$ ins., 9 ins. in the ground, for 1/4 sec. cor., marked 14 on N. face and raised a mound of stone alongside. Pits impracticable.

48.85 Enter Flat, cross N. ^{and} S.

68.85 Near Flat, cross N. ^{and} S. ^{and} ascend

78.85 Set a sandstone, $16 \times 11 \times 9$ ins., 11 ins. in the ground, for cor. to secs. 5, 6, 31st & 32, marked with 5 notches on E. ^{and} 1 notch on W. edges and raised a mound of

U. boundary T. 7 N., R. 27 E., G. & S. R. M.

Ekans.

stone along side. Pits impracticable.

Lava level ^{and} rolling.

Soil 3rd rate.

Vegetation, bunchgrass.

S 89° 56' E. on a true line, bet. sec. 5th & 32.

Wa. 14° 29' East.

Ascend.

40.00 Set a lava stone, 16 x 14 x 8 ins.,
11 ins. in the ground, for 1/4 sec.
cor., marked 14 on U. face and
raised a mound of stone
along side. Pits impracticable.

46.00 Enter timber, bear N. and S.

61.50 Top of Hill, bear N. and S. ^{and} descend.

80.00 Set a post, 4 ft. long, 4 ins. square,
24 ins. in the ground, for cor. to
secs. 4, 5, 32nd & 3, marked

T. 8 N., S. 33 on U. E.

R. 27 E., C. 44 on D. E.

T. 7 N., S. 5 on S. W. and

N. boundary T. 7 N., R. 27 E., S. 4 S. R. 16

Lebanis.

D. 32 on N. W. faces, with 4
 notches on E. ^{and} 2 notches on
 W. edges; from which trace:
 An Aspen, 14 ins. dia., S. 45° E., 41 lks. dist.,
 marked T. 7 N., R. 27 E., S. 4 B. S.
 An Aspen, 6 ins. dia., S. 20° W., 43 lks. dist.,
 marked T. 7 N., R. 27 E., S. 5 B. S.
 No other trees within limits;
 dug pits 18 x 18 x 12 ins. in Secs 32 & 33,
 5 1/2 ft. dist, ^{and} raised a mound
 of earth, 2 ft. high, 4 1/2 ft. base
 around post.
 Land rolling ^{and} hilly
 Soil 2nd & 3rd ^{are} ^{also}.
 Timber of Pine ^{and} Aspen.
 Vegetation, bunchgrass

N. boundary T. 7 N., R. 27 E., G. ^{and} S. R. 20

Lebanon.

S. $87^{\circ}56'$ E. on a true line, bet. secs. 4 & 33,
 1/4th W., $14^{\circ}29'$ East.

Descend gradually.

40.00 Set a sandstone, $14 \times 11 \times 8$ ins., 9 ins.
 in the ground, for 1/4 sec. cov.,
 marked 1/4 on N. face;

From which bears:

A Yellow Pine, 12 ins. dia., N. 80° W., 24 blk. dist.,
 marked 1/4 D. B. V.

No other tree within limits;

Raised a mound of stone along side
 Pits in fracture area.

80.00 Set a sandstone, $14 \times 11 \times 9$ ins., 9 ins.
 in the ground, for cov. to secs.
 3, 4, 33 ^{and} 34, marked with 3
 notches on E. ^{and} W. edges;

From which bears:

A Pine, 8 ins. dia., S. 80° E., 6 blk. dist.,
 marked T. 7 N., R. 27 E., S. 3 B. V.

A Yellow Pine, 12 ins. dia., N. 85° W., 13 blk. dist.,
 marked T. 8 N., R. 27 E., S. 30 B. V.

N. boundary T. 7 N., R. 27 E., S. 1st S. R. 11 W.

Lebanis.

No other trees within limits; raised
a mound of stone alongside
Pits impracticable.
Land rolling.

Sail 3rd rate.

Heavy timber of yellow Pine,
Vegetation, bunching grass.

Set 15' E. on a true line, bet. sec. 3 & 34.

1/4. 14° 29' East.

On level land.

12.00 Descend.

34.12 Cross creek, 90 ft. wide, course
N. E. and ascend.

40.00 Set a lava stone, 14x10x8 ins., 9 ins.
in the ground, for 1/4 sec. cor.,
marked 1/4 as N. face and raised
a mound of stone alongside. Pits
impracticable.

63.00 Descend along N. slope of Cañon.

80.00 Set a lava stone, 16x9x8 ins., 11 ins.

N. boundary T. 7 N., R. 27 E., S. 3 B.V.

Examined

in the ground, for cor. to secs.
2, 3, 34 and 35, marked with
2 notches on E. and 4 notches
on W. edges; from which bears:

a yellow pine, 30 in. dia., S. 30° W., 5 lks. dist,
marked T. 7 N., R. 27 E., S. 3 B.V.

No other trees within limits;
raised a mound of stone alongside
Pits impracticable.

Land broken.

Pine 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

S. 89° 56' E. on a true line, bet. secs. 2 & 35.

W. 14° 29' East.

Descend.

10.50 Cross creek, 5 lks. wide, course
N. E. and ascend.

40.00 Set a large stone, 11 x 10 x 7 in.,
7 in. in the ground, on 1/4 sec. cor.

U. boundary T. 7 N., R. 27 E., S. 36 O. P. W.

Observations

marked 14 on U. face;

From which bears:

a Pine, 8 mi. dia., N. 30° E., 39 lks. dist.,

marked 14 O. P. S.

No other trees within limits; raised
a mound of stones alongside
Pits impracticable.

60.00 Enter level land.

63.00 Cross creek, 6 lks. wide, course
N. E. and ascends.

65.00 Over level land.

80.00 Set a hard stone, 16x10x6 mi.,
11 mi. in the ground, for cor. to
secs. 1, 2, 35 and 36, marked with
1 notch on E. ^{face} 5 notches on
W. edges; from which bears:
a yellow Pine, 14 mi. dia., N. 5 1/2° E., 40 lks. dist.,
marked T. 8 N., R. 27 E., O. 36 O. P. S.
a yellow Pine, 8 mi. dia., S. 45° W., 34 lks. dist.,
marked T. 7 N., R. 27 E., O. 2 O. P. S.
No other trees within limits; raised

N. boundary T. 7 N., R. 27 E., G. and S. R. 4

Bluffs

a mound of stone, alongside
Pits impracticable,
Lands level and rolling.
Soil 3rd rate.

Timber of Pine.

Vegetation, bunchgrass.

N. 89° 56' E. on a true line, bet. secs. 17 & 36,
Ya. 14° 29' East.

Over level land.

6.00 Leave timber, cross N. and S.

40.00 Set a lava stone, 11x10x8 ins.,
Y ins. in the ground, for '14 sec. cor.,
marked "y" on N. face and
raised a mound of stone
alongside, Pits impracticable.

66.00 Enter timber, cross N. and S.

80.00 The cor. to Tps. 7 and 8 N.,

R. 27 and 28 E.

Land level.

Soil 2nd and 3rd rate.

U. boundary T. 7 N., R. 27 E., G. S. R. M.

Letavis.

Timber of Paic.

Vegetation, bunchgrass.

May 14th 1883.

For final notes
see book No. 18.

No. 1310

U. S. Surveyor General's Office,

Tucson, Arizona, June 16, 1884

The foregoing Field Notes of the Survey of ~~the~~ a
Portion of the Exterior Lines of
Townships 5, 6 & 7 North,
Ranges 27, 28, 29, 30 & 31 East, and
Township 4 North
Range 28 East,

Of the Gila and Salt River Base and Meridian, Arizona, execu-
ted by W. R. Fitzgerald

Deputy Surveyor, under his contract of the 22nd
day of July, 1882, having been

critically examined and the necessary corrections and explana-
tions made, the said Field Notes and the surveys they describe
are hereby approved

Royall Johnson
Surveyor General.