

Book A

4-679.

2070

BOOK 2070

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MAR 30 19

FIELD NOTES

2070

RE
OF THE SURVEY OF THE

2070

th Boundary of the White Mountain Indian
Reservation Bet Rqs 15 to 27E Inclusive

2070

the Gula Salt River

AS SURVEYED BY

Wright, United States

Contract No. 141, dated Aug 6

Sept 15th

ended October 19th

2070

2070

NAMES AND DUTIES OF ASSISTANTS.

Lewis C. Miller Chairman.

W. J. Pogue do.

Wm Lewis Axman.

Wm L. Penrod do.

James A. Penrod Hayman.

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
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31	32	33	34	35	36

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Leslie C. Mullar and Arthur Payne
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of
The White Mtn. Dist. Pa.

Leslie C. Mullar, Chainman.
Arthur Payne, Chainman.

Subscribed and sworn to before me this 15th
day of Sept, 1906



Jesse B. Wright
U.S. Dep. Surveyor

WE, Leslie C. Mullar and
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189 _____



WE, John Lewis and Albert L. Perrod
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners
and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

John Lewis, Axman.
Albert L. Perrod, Axman.

Subscribed and sworn to before me this 15th
day of Sept, 1906



Jesse B. Wright
U.S. Dep. Surveyor

I, James Perrod, do solemnly swear that I will well and truly
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the
survey of _____

James Perrod, Flagman.

Subscribed and sworn to before me this 15th
day of Sept, 1906



Jesse B. Wright
U.S. Dep. Surveyor

CHAINS

Survey commenced Sept. 16, 1906 and executed with a Young & Son's light mountain transit No. 6492 with Smith patent solar attachment, the horizontal limb is provided with two double verniers placed opposite each other and reading to single minutes of arc, which is also the least reading of the latitude and decl. arc.

The instrument was examined, tested on the true mer. at Phoenix, found correct and was approved by the surveyor general for Arizona, Sept. 9, 1906.

I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. & p.m. hours with a true meridian determined by observations on polaris, I proceed as follows:.

At a point near the 5 1/2 mile mon. of the N. bdy. of the White Mountain Indian Res.; at 12 m., l.m.t I set off 2° 48' N. on the decl. arc and observe the sun on the mer. The resulting lat. is 33° 54' N.

At 3 p.m., l.m.t., I set up my instrument over a tack in a stake and set off 2° 48' N. on the decl. arc and the observed lat. 33° 54' N. on the lat. arc and determine a mer. with the solar, and mark a point in the meridian thus determined by a cross on a fixed stone 7 chs. N. of my station.

At 7 h. 50 m. p.m., l.m.t., I observe polaris at E. elong. in accordance with instructions in the manual, and mark a point in the line thus determined by a tack in a stake driven in the ground 7 chs. N. of my station.

Sept. 17, 1908.; at 6h 30m., a.m., l.m.t., I set off the azimuth of polaris 1° 27' to the west and mark a point in the true mer. thus determined by a cross on the fixed stone 7 chs. N. of my station which cross is 3/4" W. of the mer. determined by the solar on preceding evening.

At 8h 30m., a.m., l.m.t., I set off 2° 28' N. on the decl. arc and 33° 54' N. on the lat. arc and determine a mer. with the solar, which falls 1/2" W. of the mer. determined by polaris obs.

The solar apparatus by a.m. & p.m., obs: defines positions for true mer. resp. 28" E. and 19" W. of a true mer. established by polaris obs. Therefore I conclude that the adjustments of the instrument are satisfactory. The mag. bearin of the true mer. at 7 a.m., l.m.t. is N. 13 1/2° W.

From the 5 1/2 mile mon. on a spur of Bald mountain, I follow the line of the North bdy. of the White Mountain Indian Reservation, and at 2 h. 30 m. p.m., l.m.t., I find the N.E. Cor. of the White Mountain Indian Reservation which is a sandstone 36x18x10 ins. set in mound of stone with a mound of stone 6 ft. base 5 ft. high Alongside. This stone is marked N.E. Cor. W.M.I.R. I.M., which I obliterate and remark I.M., W.M.I.R. N.E. Cor. on S.W. face, B.M.F.R. on N.E. face, and from this stone,

a fir tree 24" diam. brs. N. 36° W. 44 lks. dist. marked I.M.W.M.I.R. N.E. Cor. B.T. which I obliterate and re-mark I.M.W.M.I.R. N.E. Cor. B.T.

A pine tree 24" diam. brs. N. 12° W. 51 lks. dist. marked I.M.W.M.I.R. N.E. Cor. B.T.

A pine tree 24" diam. brs. N. 54° E. 38 lks. dist. marked I.M.W.M.I.R. N.E. Cor. B.T.

A pine tree 12" diam. brs. N. 43° E. 215 lks. dist. which I mark I.M.W.M.I.R. N.E. Cor. B.T.

At this cor. at 2h 30m., p.m., l.m.t., I set off 2° 28' N. on the decl. arc and 33° 53' N. on the lat. arc and determine a true mer. with the solar.

Thence I run,
S. 66° 15' W.

CHAINS According to the field notes furnished by the surveyor General.

Desc. along S. slope of rocky ridge, through dense pine and fir timber.

8.02 Pasture fence brs. N.E. & S.W.

17.00 Same fence, brs. E. & W.

18.00 End of desc., Aravine 2 chs. wide, course NE.

Begin steep asc.

26.00 Top of slope, desc. into canyon, leave ridge.

39.37 Find a stone 18x16 x 7 ins. above ground with a mound of stone alongside on line, which I reset ~~and re-mark~~ 12" in the ground and raise a mound of stone 3 ft. base 2 ft. high N.E. of cor. on line.

1/2 M. on N.E. face *and remark*

N.B.W.M.I.R. on S.E. face.

B.M.F.R. on N.W. face, from which

A pine tree 24" diam. brs. S. 20° W. 12 lks. dist. marked N.B.W.M.I.R. 1/2 M.B.T.

A pine tree 24" diam. brs. N. 60° W. 40 lks. dist. marked N.B.W.M.I.R. 1/2 M.B.T.

Two of the original bearing trees are destroyed.

No other trees available.

Sept. 17, 1906.

Sept. 18, 1906.

At 7 a.m., l.m.t. I set off 2° 08' N. on the decl. arc and 33° 53' N. on the lat. arc and determine a true mer. with ^{the solar} at the 1/2 mile cor.

Thence I run, S. 65° 20' W. Var. 13° 15' E.

53.00 Desc. steep slope over fallen timber. Trail, brs. E. & W., I notice another old blazed line about about 6 chs. S. of line.

54.40 Gulch, with stream of clear water, flows E. Asc. steep slope through fire burned district over fallen timber, land exc. difficult to survey.

64.37 Leave fire burned district, enter dense aspen & pine timber.

72.37 Find a fir tree 18" diam. marked N.B.W.M.I.R.-1, which I re-blaze and re-mark A.P.N.E.W.M.I.R. 1 on S.E. face, and B.M.F.R. on N.E. face, thence I run, N. 86° W.

73.97 A dead fir tree 24" diam. marked W.M.I.R. 424, which I destroy.

74.82 Find a fir tree 12" diam. on line marked N.B.W.M.I.R. which I obliterate and re-mark A.P.N.B.W.M.I.R. 2 on S.E. face and B.M.F.R. on N.W. face.

At this point I enter another cleared blazed line. Thence S. 78° W. Var. 13° E.

78.82 Find a rock in place 6 ft. x 4 ft. x 1 ft. out of ground marked N.B.W.M.I.R. 1 M., which I destroy and re-mark 1 M. on N.E. face N.B.W.M.I.R. on S. face. B.M.F.R. on N. face. with cross for exact 1 mile point. from which,

an aspen tree 12" diam. brs. N. 59° W. 26 lks dist. marked N.B.W.M.I.R. 1 M.B.T., which I obliterate and re-mark N.B.W.M.I.R. 1 M.B.T.

a pine tree 12" diam. brs. S. 40° W. 40 lks. dist. which I obliterate and re-mark N.B.W.M.I.R. 1 M.B.T. and raise a mound of stone 3 ft. base 2 ft. high N.E. of Cor.

A fir tree 15" diam. brs. N. 43 1/2° E. 11 lks. dist. marked N.B.W.M.I.R. 1 M.B.T.

On a dead aspen N. 45° E. Marked N.B.W.M.I.R. 1 M. B.T. In obliterate old marking.

No other trees available.

Land mts. Soil, stony 1st, 2nd and 3rd rate. Timber, dense fir aspen & pine. Undergrowth same. Mts. land exc. difficult to survey 78.82 chs.

Chains.

(Note, -In following notes measurements are continued from each mile cor. to next mile cor., beginning with 0.00 chs. at each mile cor.)

- From the 1 mile cor. I run,
S.75° 30' W.
Var. 13 1/2° E.
- 1.00 Find a fir tree 24" diam. on line marked N.B.W.M.I.R. 3, which marking I obliterate and re-mark A.P.N.B.W.M.I.R. 3 on E. face and B.M.F.R. on N. face,
Thence, N.72° 15' W., Var. 13 1/2° E. Thro' fire burned district.
- 4.78 Find fir tree ^{18" diam.} mkd. NBWMIR-4, which I re-mark NBWMIR 4 on S. BMFR on N.
Thence N.84° 45' W., Var. 14° E.
- 7.45 Find overturned dead fir tree on line 20" diam. with trace of destroyed markings.
Set a slate stone 20x10x8 ins. 15 ins. in the ground for A.P. No. 5. marked A.P.N.B.W.M.I.R.5 on E. face and B.M.F.R. on N. face and raise a mound of stone 3 ft. base 2 ft. high E. of Stone.
Thence, N.80° 43' W.
Var. 14° E.
- 11.00 Find stump of old fir tree 10" diam. with trace of marking on burned blaze, which I re-blaze and re-mark A.P.N.B.W.M.I.R.6 on E. face and B.M.F.R. on N. face, from which
A ledge of rock 2 ft. x 3 ft. brs. N.84° W. 5 lks. dist. marked with a cross, and A.P.6.B.O.
Thence, N.32° 13' W.
Var. 14° E.
- 13.80 Find overturned pine stump with trace of markings, which I uproot and set a malpais stone 24x10x8 ins. 18 ins. in the ground for A.P.7 which I mark with cross and A.P.N.B.W.M.I.R.7 on E. face, B.M.F.R. on N. face.
Thence, N.50° 17' W.
Var. 14° E.
- 20.83 A dead fir tree 2 ft. diam marked NBWMIR 8, which marking I destroy and re-mark APNBWMIR 8 on E. face and BMFR on N. face from which
A rock ledge 4'x3'x2' above ground which I mark with a cross and A.P.8 B.O., brs. S. 3 lks. dist.
Thence, N.2° 33' W.
Var. 15° 15' E.
- 23.17 Find old stump of fir tree 14" diam. with trace of markings.
Set a malpais stone 20x10x10 ins. 15 ins. in the ground marked A.P.N.B.W.M.I.R.9 on E. face and B.M.F.R. on N. face with mound of stone 3 ft. base 2 ft. high on S. from which
A fir tree brs. N. 22° 45' W. 18 lks. dist. which I mark A.P.N.B.W.M.I.R.9 B.T.
Thence, N.19° W.
Var. 16° 15' E.
- 25.97 leave fire burned district & enter heavy pine fir & aspen timber.
- 27.64 Find a fir tree 12" diam. on line marked N.B.W.M.I.R.10 which I obliterate and re-mark A.P.N.B.W.M.I.R.10 on W. face and B M F R on E. face.
Thence, N.28° W.
Var. 9 1/4° E.
Ascend.
- 34.54. Pine tree 20 lks. W. of line mkd. W.M.I.R.422, I destroy.
- 34.64 Enter fire burned district.
- 35.57 Find old stump of fir tree 12" diam. on line with traces of marking which I destroy. In its place I set a malpais stone 20x10x10 ins. 15 ins. in the ground marked with a cross and A.P.N.B.W.M.I.R.11 on W. face & B M F R on E. face
A cross on a ledge 4'x6' brs. N.77 1/2° E. 25 lks. dist. marked under cross A.P.11.B.O.
Thence, N.17° 10' W.
Var. 14° E.
Ascend.

Chains

- 39.22 Find a stone marked N.B.W.M.I.R. 1 1/2 M. with mound of stone alongside. I destroy mound of stone and markings and re-mark 1 1/2 M. on S., N.B.W.M.I.R. on W., B.M.F.R. on E. faces and raise a mound of stone 3 ft. base 2 ft. high S. of cor. Pits impracticable. Old bearing trees are dead, No live trees in limits. Sept. 18, at 12 m. l.m.t. I set off 2° 01' N. on the dec. arc and obs. the sun on the mer. The resulting lat. is 33° 54' N..
Thence, N. 15° 44' W.
Var. 14° 40' E. ascending.
- 41.15 Find an old fir tree 15" diam. on line marked N.B.W.M.I.R. 12 which marking I destroy and re-mark A.P.N.B.W.M.I.R. 12 on W. B.M.F.R. on N. faces. from which a ledge 3x3'x4' above ground brs. S. 88° W. 24 lks. dist. marked with a cross and A.P. 12 B.O.
Thence, N. 60° 25' W.
Var. 13, 14° E. ascend.
- 45.15 Leave fire burned district, enter heavy pine and aspen timber.
- 45.29 A fir tree 18 ins. diam. marked N.B.W.M.I.R. 13, which marking I obliterate and re-mark A.P.N.B.W.M.I.R. 13 on S. face and B.M.F.R. on N.E. face.
Thence I run, N. 44° W.
Var. 13° E., ascend.
- 50.62 Find a fir tree, 12" diam. on line marked N.B.W.M.I.R. 14, which marking I change to A.P.N.B.W.M.I.R. 14 on S. face and B.M.F.R. on N. face
Thence N. 74° 15' W.
Var. 13 1/4° E.
- 53.92 Find a pine tree 20" diam. 10 lks. S. of line marked W.M.I.R. 421 which I destroy.
- 54.70 Find a fir tree 7" diam. marked N.B.W.M.I.R. 15 which marking I change to A.P.N.B.W.M.I.R. 15 on S. face & B.M.F.R. on N. face
Thence I run,
S. 88° 49' W.
Var. 12 1/2° E.
Asc. along top of ridge through dense pine & fir
- 58.70 Find a fir tree 12" diam. marked N.B.W.M.I.R. 16, which marking I change to A.P.N.B.W.M.I.R. 16 on S. face. and B.M.F.R. on N. face,
Thence N. 84° 50' W.
Var. 14° E.
Desc.
- 67.50 Find a dead fir tree 12" diam. marked N.B.W.M.I.R. 17 which marking I change to A.P.N.B.W.M.I.R. 17 on S. face and B.M.F.R. on N. face. from which a ledge of rock 4'x6'x4' above ground brs. N. 76° E 23 lks. dist. marked A.P. 17 B.O.
No other bearings available.
Thence S. 55° 30' W.
Var. 12° E.
Desc. along ridge through heavy pine and fir timber
- 70.36 To a pine tree 14" diam. with traces of destroyed markings. which I remark A.P.N.B.W.M.I.R. 18 on S. face and B.M.F.R. on N. face,
Thence I run
N. 85° 21' W.
Var. 12° E.
- 73.10 To a pine tree 18" diam. on line marked W.M.I.R. 420, which I destroy.
- 75.88 A pine tree 18" diam. marked N.B.W.M.I.R. 19, which marking I change to A.P.N.B.W.M.I.R. 19 on S. face and B.M.F.R. on N. Face.
Thence N. 83° 30' W.
- 78.72 To a lava stone on line 24x12x8" above ground marked N.B.W.M.I.R. 2M on E. face, which marking I change to N.B.W.M.I.R. 2 M. on S. face and B.M.F.R. on N. Face. from which,
a fir tree 10" diam. brs. S. 68 1/2° E. 24 lks. dist.
N.B.W.M.I.R. 2 M. B.T.

- Chains A fir tree 10" diam. brs. S. $43\frac{1}{2}^{\circ}$ E. 25 lks. dist. marked N.B.W.M.I.R. 2 M.B.T.
 A fir tree 11" diam. brs. N. 65° W. 32 lks. dist. marked N.B.W.M.I.R. 2 M.B.T.
 A fir tree 9" diam. brs. N. 87° W. 41 lks. dist. marked N.B.W.M.I.R. 2 M.B.T.
 I build a mound of stone 3 ft. base 3 ft. high E. of Cor.
 Land mts., Soil rocky, 2nd, 3rd, & 4th rate, Timber fir, pine.
 Mts. land, exc. difficult to survey 78.72 chs.
 0000000
 Thence I run, continuing measurement from 2 mile cor. N. $84^{\circ}30'$ W.
- 3.27 To a white pine 12" diam. on line marked N.B.W.M.I.R. 20, which marking I change to A.P.N.B.W.M.I.R. 20, on S. face and B.M.F.R. on N. Face.
 Thence, S $81^{\circ}30'$ W.
 Var. $12\frac{1}{2}^{\circ}$ E.
 ascend steep slope.
- 4.93 To a white pine tree 12" diam. marked N.B.W.M.I.R. 21 which marking I change to A.P.N.B.W.M.I.R. 21 on S. & B.M.F.R. on N. faces.
 Thence, N. $82^{\circ}40'$ W.
 Var. 13° E. ascending.
- 8.03 Apine tree 24" diam. marked N.B.W.M.I.R. 22 which I change to A.P.N.B.W.M.I.R. 22 on S. and B.M.F.R. on N. faces.
- 10.82 A pine tree 6" diam. on line marked N.B.W.M.I.R. 23 which I change to A.P.N.B.W.M.I.R. 23 on S. & B.M.F.R. on N. faces.
 Thence, N. 58° W.
 Var. $14\frac{1}{4}^{\circ}$ E.
- 14.02 An overturned pine tree 24" diam. marked N.B.W.M.I.R. 419, which I destroy and mark A.P.N.B.W.M.I.R. on N. and B.M.F.R. on S. faces of a pine tree 6" diam. which stands close beside the original tree.
 Thence N. $54^{\circ}49'$ W.
 Var. $14\frac{1}{4}^{\circ}$ E.
- 19.07 Leave ridge and desc. into canyon.
 A pine tree 15" diam. marked N.B.W.M.I.R. 25 which I change to A.P.N.B.W.M.I.R. 25 on S. face & B.M.F.R. on N. face.
 Thence, N. $54^{\circ}50'$ W.
 Var. $14\frac{1}{4}^{\circ}$ E.
 desc. into canyon.
- 23.98 To a fir tree 36" diam. marked N.B.W.M.I.R. 26 which I change to A.P.N.B.W.M.I.R. 26 on S. & B.M.F.R. on N. faces.
 Thence, N. $33^{\circ}25'$ W.
 Var. 14° E.
- 28.80 Desc.
 A fir tree 15" diam. marked N.B.W.M.I.R. 27 which I change to A.P.N.B.W.M.I.R. 27 on S. & B.M.F.R. on N. faces.
 Thence N. 27° W.
 Var. $14\frac{1}{2}^{\circ}$ E.
 Desc.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains	
	Land mts., soil rocky 2nd 3rd ,4th rate. Timber ,fir,pine. Mts. land exc. difficult to survey,78.72 chs. Heavily timbered or covered with burnt or fallen timber. Thence I run,Continuing measurement from the 2 mile cor. N.84° 30'W.
3.27	To a white pine tree 12" diam.on line marked NBWMIR 20, which I destroy and re-mark APNBWMIR 20 on S. & BMFR on N. faces. Thence, S.81°30'W. Var. 12 1/2° E. Ascend steep slope.
4.93	To a white pine tree marked NBWMIR 21,which I change to APNBWMIR 21 on S. & BMFR on N. faces. Thence N.82°40'W. Var. 13° E. Ascending.
88.03	To a pine tree 24" diam.marked NBWMIR 22,which I change to APNBWMIR 22 on S. & BMFR on N. faces.
10.82	To a pine tree 6" diam on line marked NBWMIR 23,which I change to NBWMIR 23 on S. & BMFR on N. faces. Thence N. 58° W. Var. 14 1/4° E.
14.02	An overturned pine tree 24" diam. marked WMIR 419,NB24 which I destroy and mark a fir tree 6" diam. standing close beside the original tree APNBWMIR 24 on S. & BMFR on N. faces. Thence,N.54°49'W. Var. 14 1/4° E.
19.07	Leave ridge and desc. into canyon. A pine tree 15" diam. marked NBWMIR 25,which I re-mark APNBWMIR 25 on S. & BMFR on N. faces. Thence,N.54° 50'W. Var. 14 1/4° E. desc. into canyon.
23.98	A fir tree 36" diam. marked NBWMIR 26,which I change to APNBWMIR 26 on S. & BMFR on N. faces. Thence I run,desc. N.33°25'W. Var. 14° E.
28.80	A fir tree 15" diam. marked NBWMIR 27,which I change to APNBWMIR 27 on S. & BMFR on N. faces. Thence N. 27° W. Var. 14 1/2° E. desc.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
32.21 An aspen tree, 15 ins. diam., marked N B W M I R 28,
which marking I destroy and remark A P N B W M I R
28 on E. face, B M F R on N. face.
- Thence I run,
N. 47 deg. 53' W.,
Var. 14 deg. 45' E.
- 39.46 Cross a stream of clear water, flowing east.
39.77 Find 2-1/2 mile monument, which is a malapai stone, 20x16
x10 ins. marked and witnessed as described by the
Surveyor General. I obliterate markings and re-
mark 2-1/2 M A P 29 on S. E. face,
N B W M I R on S. face,
B M F R on N. E. face, from which
An aspen tree 12 ins. diam., brs. S. 43 deg E., 18
lks. dist., marked N B W M I R 2-1/2 M B T,
An aspen tree, 12 ins. diam., brs. N. 32 deg. E.,
12 lks. dist., marked N B W M I R 2-1/2 M B T.
A fir tree, 12 ins. diam., brs. S. 80 deg. 3' W.,
31 lks. dist., marked N B W M I R 2-1/2 M B T.
Fourth tree dead and fallen. No other trees avail-
able.
Raise a mound of stone, 3 ft. base, 2-1/2 ft. high
S. E. of cor. Pits impracticable.
September 18, 1906.
- September 19- At 7 a.m., l.m.t. I set off 2 deg. 44' N.
on the decl. arc. and 33 deg. 54' N. on the lat. arc, and
determine a true meridian with the solar at the 2-1/2 mile
cor.
- Thence I run,
N. 70 deg. 13' W.,
Var 14-1/2 deg. E.
Ascending along N. side of canyon, through dense aspen
and pine timber.
- 59.77 Large boulder on line.
62.77 Steep ascent over rocky ledge to top of ridge.
64.00 Top of ridge brs. N. N. E. and S. S. W.
68.14 A dead pine, marked N B W M I R 30, which marking I oblit-
erate and remark A P N B W M I R 30 on S. face,
B M F R on N. face, from which
A spruce tree, 10 ins. diam., brs. N. 77 deg. E.,
20 lks. dist., marked N B W M I R A P 30 B T.
A spruce tree 10 ins. diam., brs. W. 5 lks. dist.,
marked A P 30 B T. N B W M I R.
- Thence I run,
S. 82 deg. 23' W., Var. 14 deg. E.
Descending along N. slope of ridge which extends N. N. E.
and S. S. W.
- 75.24 A spruce tree, 10 ins. diam., marked N B W M I R 31, which
marking I obliterate and remark A P N B W M I R 31 on
S. face, B M F R on N. face.
- Thence I run,
S. 32 deg. 22' W., Var. 14 deg. E.
Descending along W. slope of ridge.
- 79.38 Find 3rd. mile monument, which is a malapai stone, 12x10x8
ins. above ground, marked and witnessed as described
by the Surveyor General, with mound of stone along-
side. I destroy mound of stone and marking and remark
3 M A P 32 on N. E. face,
N B W M I R on S. E. face,
B M F R on W. W. face, from which
A dead spruce tree, 10 ins. diam., brs S. 37 deg.
W., 4 lks. dist., marked N B W M I R 3 M B T,
A spruce 10, ins. diam., brs. N. 6-1/2 deg E.,
23 lks. dist., marked N B W M I R 3 M B T,

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

chains

A spruce, 10 ins. diam brs. N. 55-1/2 deg. W., 22
lks. dist., marked N B W M I R 3 M B T,
A dead fir, 18 ins. diam., brs. N. 74 deg. E., 32
lks. dist., marked N B W M I R 3 M B T.

Land, mountainous.
Soil, rocky, 2nd and 3rd rate.
Timber, fir, pine and aspen.
Mountainous land, heavily timbered, exceptionally diffi-
cult to survey, 79.38 chs.

---oOo---

Thence I run, continuing measurements from 3rd mile cor.
S. 25 deg. W.
Var. 12-1/2 deg. E.

5.51 Descending along W. slope of ridge which extends N. and S.
A spruce tree, 12 ins. diam., marked N B W M I R 33, which
marking I obliterate and remark A P N W M I R 33 on
S. face, B M F R on N. face

Thence I run,
S. 54 deg. 07' W.,
Var. 13-1/4 deg. E.

Leave ridge and descend steep slope into canyon, over rocky
ledge.

27.51 Begin ascent of steep slope.

31.51 Spring of clear water 30 lks. to right of line.

39.31 3-1/2 mile monument, which is a lava stone 4x2x2 ft. out
of ground, marked N B W M I R 3-1/2 M, with mound
of stone, which markings I obliterate and remark
3-1/2 M on N. E. face,
N B W M I R on S. E. face,
B M F R on N. W. face, from which
A spruce, 30 ins. diam., brs. S. 45 deg. W., 17
lks. dist., marked N B W M I R 3-1/2 M B T,
A spruce 16 ins. diam., brs. S. 85 deg. E., 40 lks
dist., marked N B W M I R 3-1/2 M B T,
A spruce, 18 ins. diam., brs. S. 65 deg. E., 33
lks. dist., marked N B W M I R 3-1/2 M B T,
A fir, 18 ins. diam brs. S. 33 deg. E., 16 lks.
dist., marked N B W M I R 3-1/2 M B T.

Thence I run,
S. 57 deg. 30' W. Var. 13-1/4 deg. E.
Ascending along steep slope to top of ridge.

76.31 Top of spur extending E. *ch*

75.91 Find a mound of stone 1.00 left of line, no markings
recognizable, which I destroy.

80.91 Find 4 mile monument, which is a lava stone, 36x15x10 ins.,
set in a mound of stone, with mound of stone along-
side, marked N B W M I R 4M. I obliterate marking
and destroy mound of stone, and re-mark 4 M on N. E.
A P 34, N B W M I R on S. E., B M F R on N. W. face,
Raise a mound of stone, 3 ft. base, 2 ft. high, N. E.
of monument. No trees available.

This monument is on the N. E. point of Bald Mountain,
11,000 ft. high, top above timber line and covered
with snow in places, at this season of the year.

Land, mountainous.
Soil, 2nd and 3rd rate, rocky.
Timber, fir, pine, spruce and aspen.
Mountainous land, heavily timbered, exceptionally diffi-
cult to survey, 80.91 chs.

---oOo---

September 19- At 12 m., l.m.t., I set off 1 deg. 38' N.
on the decl. arc. and observe the sun on the meridian, the
resulting lat. is 33 deg. 54' N., or within 1' of the
calculated lat.

Thence I run, continuing measurements from 4th mile cor.
S. 70 deg. 38' W.
Var. 13 deg. 30' E.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

chains

- Descend along N. slope of ridge, no trees.
- 29.00 Begin ascent over steep slope, enter dense spruce timber.
- 40.00 Find a lava stone in place, 6x3x4 ft. out of ground, marked W M I R 4-1/2 M., which I obliterate and re-mark
4-1/2 M on E. face,
N B W M I R on S.,
B M F R on N. face, from which
A spruce, 18 ins. diam brs. N. 10 deg. E., 57 lks. dist., marked N B W M I R 4-1/2 M B T,
A spruce, 16 ins. diam. brs. N. 28 deg. E., 32 lks. dist., marked N B W M I R 4-1/2 M B T,
A spruce 16 ins. diam., brs. N. 86 deg. E., 33 lks. dist., marked N B W M I R 4-1/2 M B T,
A spruce, 10 ins. diam., brs. S. 50 deg. W., 7 lks. dist., marked N B W M I R 4-1/2 M B T.
- Thence I run,
S. 68 deg. 37' W.,
Var. 13 deg. 30' E.
- Ascend steep slope.
- 55.44 Find a spruce on top of ridge, marked N B W M I R 35, which I obliterate and re-mark A P N B W M I R 35, on S. face, B M F R on N. face.
- Leave spruce timber.
- Thence I run,
N. 19 deg. 30' W.,
Var. 12 deg. 30' E.
- Descending top of rocky ridge extending N. N. W. and S. S. E. No trees.
- 74.04 Stone monument on line, 6 ft. base, 6 ft. high on high point. From this point Ft. Apache brs. S. 65 deg. W., The elevation of this point by Geological Survey is 11,280 ft.
- 80.35 To lava stone 30x24x10 ins. on line, with mound of stone alongside, marked N B W M I R 5 M, which I destroy and re-mark
5 M A P 36 on S.,
N B W M I R on W.,
B M F R on E. face, and raise a mound of stone, 3 ft base, 2 ft. high, S. of cor., from which
A spruce, 5 ins. diam., brs. N. 85-1/2 deg. E., 61 lks. dist., marked N B W M I R 5 M B T,
A spruce 6 ins. diam., brs. N. 47-1/2 deg. E., 79 lks. dist., marked N B W M I R 5 M B T,
No other trees within limits.
- Land, mountainous.
Soil, 3rd and 4th rate, stony.
Timber, dense scrub spruce.
Mountainous land exceptionally difficult to survey,
80.35 chs.
Dense heavy spruce distance of 26 chs., 54 chs. no timber on line.
- o0o---
- Thence I run, continuing measurements from 5th, mile cor.
N. 4 deg. W.,
Var. 16 deg. E.
- Descend along ridge, no trees on top.
- 17.59 Find spruce 5 ins. diam., marked N B W M I R 37, which marking I destroy and remark A P N B W M I R 37, on S. face, B M F R on N. face.
- Thence I run,
N. 54 deg. 15' W. Var. 12 deg. E.
- 41.20 To the 5-1/2 mile cor., which is a malapai stone, 30x24x12 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 5-1/2 M, which marking and mound of stone I destroy and raise a mound of stone 3 ft. base, 2 ft. high, S. E. of cor., marking stone

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains

5-1/2 M on S. E. A P 38,
 N B W M I R on S. W.,
 B M F R on N. E. face, from which
 A spruce, 4 ins. diam., brs. N. 10 deg. E., 16
 lks. dist., marked N B W M I R 5-1/2 M B T, which
 marking I obliterate and re-mark N B W M I R
 5-1/2 M B T, A P 38.
 A spruce, 15 ins. diam., brs. N. 71 deg. E., 35
 lks. dist., marked N B W M I R 5-1/2 M B T, which
 marking I destroy and re-mark N B W M I R 5-1/2
 M B T A P 38,
 A spruce, 10 ins. diam., brs. W. 12 lks. dist.,
 marked N B W M I R 5-1/2 M B T, which marking I
 destroy and re-mark N B W M I R 5-1/2 M B T A P
 38,
 A spruce, 10 ins. diam., brs. S. 75 deg. W., 30
 lks. dist., marked N B W M I R 5-1/2 M B T, which
 marking I destroy and re-mark N B W M I R 5-1/2
 M B T A P 38.

September 19, 1906

 September 20- At 7 a.m., l.m.t., I set off 1 deg. 21' N.
 on the decl. arc and 33 deg. 55' N. on the lat. arc and
 determine a true meridian with the solar at the 5-1/2
 mile cor.

Thence I run,
 N. 2 deg. W.,
 Var. 13-1/2 deg. E.

Descending along E. slope of ridge.

55.88 Find a pine, 24 ins. diam., overturned with markings de-
 stroyed. No stone available. Set a spruce stake.
 4 ins. square, 3 ft. high, marked N B W M I R A P
 39 on E. face
 B M F R on N. side.

A spruce, 15 ins. diam., brs. S. 2 deg. W., 22
 lks., dist., marked A P 39 B T. W M I R.
 A spruce, 6 ins. diam., brs. N. 7 deg. E. 23 lks.
 dist., marked A P 39 B T. W M I R .

Thence I run,
 N. 31 deg. 36' E.,
 Var. 13-1/2 deg. E.

Descend through dense spruce and fallen timber.

57.09 Find a fir tree; 20 ins. diam., marked W M I R 406, which
 I destroy.

60.18 Find a fir, 14 ins. diam., marked N B W M I R 40, which
 marking I obliterate and re-mark A P N B W M I R
 40 on SW face. and B M F R on E. face.

Thence I run,
 N. 54 deg. 30' E.,
 Var. 13-1/2 deg. E.

61.01 A fir, 20 ins. diam., on line, marked N B W M I R 41,
 which I destroy and re-mark A P N B W M I R 41,
 on S. face. and B. M. F R on N. face.

Thence I run,
 S. 89 deg. E.,
 Var. 13-1/2 deg. E.

Descend through pine timber.

63.97 A fir, 20 ins. diam., marked N B W M I R 42, which marking
 I destroy and re-mark A P N B W M I R 42, on N. face. and
 B M F R on S. face.

Thence I run, N. 42 deg. 27' E., Var. 13-1/2 deg. E.

Descending through dense fir.

69.08 A spruce, 8 ins. diam., marked N B W M I R 43, which I
 obliterate and re-mark A P N B W M I R 43 on W. face.
 and B M F R on E. face. Thence I run,

N. 7 deg. 50' E.,
 Var. 13 deg. E.

Descending through fir and spruce timber.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.
 73.86 A fir tree, 24 ins. diam., marked W M I R 406, which I destroy.
 74.54 Find a dead tree stump, 24 ins. diam., marked N B W M I R 44, which marking I destroy and remark A P N B W M I R 44 on S. face, B M F R on N. face, from which
 A spruce, 10 ins. diam., brs. N. 26° W., 15 lks dist., marked A P 44 B T,
 A fir, 24 ins. diam., brs. S. 27° W., 24 lks. dist., marked A P 44 B T.
 Thence I run,
 N. 27° 40' E.,
 Var. 11° E.,
 75.36 to edge of bluff, 150 ft. high, malapai stone.
 Thence descend over large malapai boulders.
 82.79 Find 6 mile monument on line, which is a malapai boulder in place, 2 x 3 x 3 ft. above ground, marked N B W M I R 6 M, which marking I destroy. I remark
 6 M on S. W. face,
 N B W M I R on W. face,
 B M F R on E. face, and raise a mound of stone 3 ft base, 2 ft high, S. E. of cor., from which,
 A fir, 18 ins. diam., brs. N. 65° E., 17 lks dist., marked N B W M I R 6 M B T, which I destroy and remark N B W M I R 6 M B T
 A fir, 6 ins. diam., brs. N. 40° W., 24 lks dist., marked N B W M I R 6 M B T,
 A fir, 12 ins. diam., brs. S. 35° W., 44 lks. dist., marked N B W M I R 6 M B T
 A fir, 18 ins. diam., brs. S. 10° E., 27 lks. dist., marked N B W M I R 6 M B T.
 Land, mountainous.
 Soil, rocky, 2nd and 3rd rate.
 Timber, fir and spruce.
 Mountainous land, exceptionally difficult to survey,
 82.79 chd
 Heavily timbered, 80 cha.
 Thence I run, continuing measurement from 6 mile cor.
 N. 30° E.,
 Var. 12° E.,
 29.50 Descending steep slope through fir and spruce timber.
 34.00 Cross small stream of water, flows east.
 Cross small stream of water, 5 lks. wide, 4 ft. deep, flows S. E.
 Begin gradual ascent.
 38.23 Blazed trail brs. E. and W. from head of White River to Little Colorado.
 40.00 Begin steep ascent.
 47.13 Find a broken lava stone, with mound of stone alongside, for the 6 1/2 mile monument, marked N B W M I R 6 1/2 M, which marking and mound I destroy, and
 Set a malapai stone, 20x16x12 ins., 15 ins. in the ground marked,
 6 1/2 M on S. W. face,
 N B W M I R on N. W. face,
 B M F R on S. E. face, and raise a mound of stone 3 ft base, 2 ft. high, S. W. of cor. from which
 A fir, 10 ins. diam., brs. S. 60° W., 12 lks dist., marked N B W M I R 6 1/2 M B T,
 A fir, 8 ins. diam., brs. S. 61° E., 10 lks. dist., marked N B W M I R, 6 1/2 M B T,
 A fir, 14 ins. diam., brs. N. 9° W., 13 lks. dist., marked N B W M I R, 6 1/2 M B T,
 A fir, 8 ins. diam., brs. N. 53° E., 41 lks dist marked N B W M I R, 6 1/2 M B T.
 At this 6 1/2 mile cor., at 12 noon, 1. m. t., I set off 12 1/4 N. on the decl. arc, and observe the sun at the meridian, the resulting lat. is 33° 56' N.
 Thence I run,
 N 30° 8' E.,
 Var. 13° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.	
1.00	Ascending steep and rocky slope through dense fir and spruce timber.
85.54	Find a fir tree, 12 ins. diam., on line, marked N B W M I R 45, which I obliterate and remark A P N B W M I R 45 on S. face, B M F R on N. face.
	Thence I run, N. 19° W., 9 A. distance.
87.76	A fir tree, 20 ins. diam., marked N B W M I R 46, which marking I destroy and remark A P N B W M I R 46 on S. face, B M F R on N. face.
	Here I search for boulder in place marked W M I R 400, N B 46, and do not find same. The stones at this point are broken. The line as followed to this point is a well blazed line, and here I enter another broad, cleared line, which from this point runs S. 30° W. Thence I run, N. 36° E., 2.8 distance. Var. 14° E.
89.68	To the 7 mile monument, which is a malpais stone, 20 x 10 x 8 ins., set in a mound of stone, with mound of stone alongside, marked N B W M I R 7 M, which marking I destroy and remark
	7 M A P 47 on S. W. cor. N B W M I R on N. W. B M F R on S. E., and raise a mound of stone, 3 ft base, 2 ft high, S. W. corner, on line, from which, I find 10 ins. diam. spruce No 64° E., 25 lks. Old dist. marked N B W M I R 7 M A P 47. A fir 18 ins. diam., brs. S. 10° 45' E., 68 lks. dist., marked N B W M I R 7 M A P 47. An aspen, 10 ins. diam. brs. No 47° E., 23 lks. dist., marked N B W M I R 7 M A P 47. A fir tree, 6 ins. diam., brs. N. 31° W., 42 lks dist., marked N B W M I R 7 M A P 47.
	Land, mountainous and heavily timbered.
	Soil, stony, 2nd and 3rd rate.
	Timber, fir, spruce and aspen.
	Mountainous land, heavily timbered, except. Nally difficult to survey, 89.68 chs.
	Thence I run, continuing measurement from 7 mile cor. N. 43° 10' E., 100.00 distance. Var. 14° E.
12.00	Descending along east slope of ridge.
18.94	Begin ascent to top of ridge. Find lava stone, mound of stone alongside, with markings obliterated, on line.
	Thence I run, N. 39° 20' E., 21.00 distance. Var. 14° E.
19.94	Top of ridge.
25.29	A fir, 20 ins. diam., marked N B W M I R 48, which marking I destroy, and remark A P N B W M I R 48, on NW. face, B M F R on SE. face.
	Thence I run, N. 59° 20' E., 11.00 distance. Var. 13° E.
30.92	Descending along ridge. A fir 20 ins. diam., marked N B W M I R 49, which marking I obliterate and remark A P N B W M I R 49, on NW. face, B M F R on SE. face.
	Thence I run, N. 51° 36' W., 11.00 distance. Var. 13° E.
36.55	Descend along ridge, dense spruce and fir. A fir tree, 18 ins. diam., marked N B W M I R 398, which I destroy.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- 38.74 The 7 $\frac{1}{2}$ mile monument, which is a lava stone in place, 2 ft. high x 2 x 3 feet, marked N B W M I R 7 $\frac{1}{2}$ M, with mound of stone alongside. I destroy mound of stone, and obliterate marking, and remark 7 $\frac{1}{2}$ M A P 50 on S. E. face, B M F R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., from which
01. A fir, 18 ins. diam., base S. 75° W., 43 lks. dist., marked N B W M I R 7 $\frac{1}{2}$ M B T,
3. An aspen, 10 ins. diam., base N. 12° E., 84 lks. dist., marked N B W M I R 7 $\frac{1}{2}$ M B T
1. A fir, 20 ins. diam., base N. 57° E., 95 lks. dist., marked N B W M I R 7 $\frac{1}{2}$ M B T,
1. A fir, 14 ins. diam., base S. 67 $\frac{1}{2}$ ° E., 72 lks. dist., marked N B W M I R 7 $\frac{1}{2}$ M B T.
- September 20, 1906.

September 21: At 7 a.m., l.m.t., I set off 0° 58' N. on the decl. arc and 33° 56' N. on the lat. arc, and determine a true meridian with the solar at the 7 $\frac{1}{2}$ mile cor. Thence I run, N. 89° 02' E., Var. 14° E.

Line here well blazed and cleared out for a width of 20 ft.

- 41.03 A spruce, 8 ins. diam., marked N B W M I R 51, which I destroy and remark A P N B W M I R 51 on N. face, B M F R on S. face, Thence I run, N. 76° 48' E., Var. 14° 10' E.

- 45.18 A spruce, 8 ins. diam., marked N B W M I R 52, which I obliterate and remark A P N B W M I R 52 on N. face, B M F R on S. face. Thence I run, N. 64° 5' E., Var. 14° E.

- 54.83 A fir, 20 ins. diam., marked N B W M I R 53, which I obliterate and remark A P N B W M I R 53 on N. face, B M F R on S. face. Thence I run, N. 35° 57' E., Var. 14° E.

- 57.79 Descend along ridge. A spruce, 18 ins. diam., marked W M I R 597, which I destroy.

- 59.48 A spruce, 8 ins. diam., marked N B W M I R 54, which I obliterate and remark A P N B W M I R 54 on W. face, B M F R on E. face. Thence I run, N. 32° 13' E., Var. 13 $\frac{1}{2}$ ° E.

- 64.50 Descend along ridge, dense spruce timber. A spruce, 16 ins. diam., marked N B W M I R 55, which I obliterate and remark A P N B W M I R 55, on W. face, B M F R on E. face. Thence I run, N. 50° E.

- 71.87 Dead aspen, 10 ins. diam., marked N B W M I R 56, which I destroy and remark A P N B W M I R 56 on S. face, B M F R on E. face. Thence I run, N. 46° E., Var. 14° E.

- 77.97 Descend along west slope of ridge. A spruce, 14 ins. diam., marked W M I R 396, which I destroy.

- 78.53 The 18th mile monument, 25 lks. to right of line, which is a malapa stone 20x12x5 ins. firmly set in the

chains

ground, with mound of stone alongside. I destroy mound of stone and marking and remark
 8 M on S. W. face,
 N B W M I R on N. W.,
 B M F R on S. E. face., and raise mound of stone, 3 ft base, 2 ft, high, S. W. off cor., from which
 An aspen, 10 ins. diam., brs. N. 26 1/4° W., 21
 lks dist., marked N B W M I R 58 M B T
 A spruce, 14 ins. diam., brs. S. 25 1/2° E., 10
 lks dist., marked N B W M I R 8 M B T.
 An aspen, 12 ins. diam., brs. N. 9 1/2° E., 32
 lks dist., marked N B W M I R 8 M B T.
 A spruce, 6 ins. diam., brs. N. A 65° E., 37 lks.
 dist., marked N B W M I R 8 M B T.

Land, mountainous and heavily timbered
 Soil, stony; 2nd and 3rd rate.
 Timber, fir, spruce and aspen.
 Mountainous land, exceptionally difficult to survey
 78053 chs.

Thence I run, continuing measurement from 8th mile cor.
 N. 37° E.
 Var. 15° E.

1.43 Along west slope of ridge.
 A spruce, 16 ins. diam., marked N B W M I R 57, which
 marking I destroy and remark A P N B W M I R 57, on
 W. face, B M F R on E. face.
 Thence I run,
 N. 28° 20' E.,
 Var. 15° E.

7.23 Descending along west slope of ridge.
 An aspen on line, 6 ins. diam., marked N B W M I R 58,
 which I destroy and remark A P N B W M I R 58 on W.
 face, B M F R on E. face.
 Thence I run,
 N. 3° E.,
 Var. 15° E.

13.71 Descending along top of ridge, through dense spruce and
 aspen, line well cleared out.
 A spruce, 14 ins. diam., on line, marked N B W M I R 59,
 which marking I obliterate and remark A P N B W M I R
 59, on W. face, B M F R on E. face.
 Thence I run,
 N. 5° 54' E.,
 Var. 13° E.

18.11 Descending along ridge.
 A spruce, 18 ins. diam., on line, marked W M I R 390,
 which I destroy.

18.61 An aspen, 8 ins. diam., marked N B W M I R 60, which
 marking I destroy and remark A P N B W M I R 60, on
 W. face, B M F R on E. face.
 Thence I run,
 N. 1° 6' E.,
 Var. 13° E.

23.97 Ascending along ridge.
 An aspen, 5 ins. diam., marked N B W M I R 61, which
 marking I destroy and remark A P N B W M I R 61,
 on W. face, B M F R on E. face.
 Thence I run,
 N. 8° 40' W.,
 Var. 13° E.

30.82 Descend along ridge. Line well cleared
 A spruce, on line, 24 ins. diam., marked N B W M I R 62,
 which marking I destroy and remark A P N B W M I R 62
 on SW face, B M F R on NE face.
 Thence I run,
 N. 19° W.,
 Var. 13° E.

34.86 Descend along ridge.
 A spruce on line, 20 ins. diam., marked W M I R 394,
 which I destroy and change to A P N B W M I R 63

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains
 on S. face, B M F R on N. face.
 Thence I run,
 N. 7° 53' E.,
 Var. 14° E.
 Descend along ridge.
 39.74 The 8th mile monument, which is a lava stone, 20x12x4
 ins., firmly set in the ground, with amount of stone
 alongside. I destroy mound of stone and destroy mark-
 ing, 8th M N B W M I R, and remark,
 8th M on S.W. face,
 N B W M I R on W. face,
 B M F R on E. face, and raise a mound of stone, 3
 ft base, 2 ft high, S. W. of cor., from which,
 A spruce tree, 12 ins. diam., brs. N. 23° W. 28
 lks. dist., marked N B W M I R 8th M B T,
 A spruce tree, 10 ins. diam. brs. N. 2° W., 30
 lks. dist., marked N B W M I R 8th M B T,
 A spruce tree, 8 ins. diam., brs. N. 50° E., 33
 lks. dist., marked N B W M I R 8th M B T,
 A spruce tree, 6 ins. diam., brs. N. 10° E., 27
 lks. dist., marked N B W M I R 8th M B T.
 Thence I run,
 N. 2° 30' E.,
 Var. 15° E.,
 A spruce tree on line, 6 ins. diam., marked N B W M I R
 64, which marking I destroy and remark A P N B W M I R
 64 on W. face, B M F R on E. face.
 Thence I run,
 N. 5° 26' E.,
 Var. 13½° E.
 Descend along ridge, line well cleared out.
 54.04 An aspen on line, 14 ins. diam., marked N B W M I R 65,
 which marking I destroy and remark A P N B W M I R
 65 on W. face, B M F R on E. face.
 Thence I run,
 N. 15° E.,
 Var. 14° 40' E.
 Ascend along ridge.
 54.09 A dead tree stump, marked N B W M I R 66. I blaze and
 mark a spruce alongside A P N B W M I R 66 on W. face,
 B M F R on E. face, obliterating marking on dead tree
 stump.
 Thence I run,
 N. 58° 58' E.,
 Var. 14° 35' E.
 57.09 Find a tree marked W M I R 3 X C 111, which I destroy.
 61.81 Find a dead aspen on line, marked N B W M I R 67, which
 I destroy and blaze and mark a spruce tree, 15 ins.
 diam., which stands beside dead aspen, A P N B W M I R
 67 on W. face, B M F R on E. face.
 Thence I run,
 N. 38° 02' E.,
 Var. 14° 35' E.
 Descend along ridge.
 70.26 Find an aspen, 10 ins. diam., marked N B W M I R 68,
 which marking I obliterate and remark A P N B W M I R
 68 on N. face, and B M F R on S. face.
 Thence I run,
 N. 33° 42' E.,
 Var. 13½° E.
 Along level ridge, through dense spruce and aspen timber.
 76.70 A spruce tree, 12 ins. diam., marked N B W M I R 69,
 which marking I obliterate and remark A P N B W M I R
 69 on N. face, B M F R on E. face.
 Thence I run,
 N. 31° 53' E.,
 Var. 13½° E.
 Along top of level ridge.
 77.70 Find aspen tree, marked W M I R 3 X C 11, which I destroy.
 79.57 To the 9th mile monument, which is a malapai stone,
 30 x 20 x 12 ins. firmly set in the ground, marked
 N B W M I R 9 M, with mound of stone alongside.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains I destroy mound of stone and marking and re-mark 9 M on S. W.

N B W M I R on N. W.,
B M F R on S. E., and raise a mound of stone, 3 ft base, 2 ft. high, S. W. of cor. of line.

A spruce, 12 ins. diam., brs. S. 81° W., 24 lks. dist., marked N B W M I R 9 M B T,
An aspen, 12 ins. diam., brs. S. 70° E., 28 lks. dist., marked N B W M I R 9 M B T,
An aspen, 20 ins. diam., brs. S. 12° W., 46 lks. dist., marked N B W M I R 9 M B T,
A spruce, 4 ins. diam., brs. N. 70° E., 36 lks. dist., marked N B W M I R 9 M B T.

Land, mountainous.
Soil, stony, 2nd and 3rd rates.
Timber, spruce and aspen.

Mountainous land, or heavily timbered, exceptionally difficult to survey, 679.57 chs.

Thence I run, continuing measurements from 9th mile cor. N. 29° 08' E.,
Var. 13° 30' E.

Along top of ridge, level, covered with spruce and aspen timber.

6.21 An aspen tree on line, 12 in. diam., marked N B W M I R 70, which marking I destroy and re-mark A P N B W M I R 70 on N. face, B M F R on S. face.
Thence I run, N. 69° 15' E.,
Var. 13½° E.

Along top of level ridge.

14.88 An aspen, 6 ins. diam., on line, marked N B W M I R 71, which marking I destroy and re-mark A P N B W M I R 71 on N. face, B M F R on S. face.
Thence I run, N. 21° E.,
Var. 14½° E.

Ascending along west slope of ridge, through aspen and spruce timber.

18.98 Find an aspen, 14 ins. diam., marked W M I R 89A, which marking I destroy and re-mark A P N B W M I R 72, on W face, B M F R on E. face.
Thence I run, N. 36° 40' E.,
Var. 12½° E.

Ascend along west slope of ridge.

27.04 Top of high point of rock.
27.75 To a fir tree, 12 ins. diam., marked N B W M I R 73, which marking I destroy, and re-mark A P N B W M I R 73 on W. face, B M F R on E. face.
Thence I run, N. 6° 30' W.,
Var. 12½° E.

Along top of rocky ridge.

30.75 High point of ridge covered with volcanic tuff. Abrupt descent 75 ft.

40.05 Beginning descent along east slope of ridge.
The 9th mile cor. 18x10x6 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 9½ M, which marking I destroy and mound of stone, and re-mark 9½ M on S. face,
N B W M I R on N. face,
B M F R on S. face, from which
An aspen, 10 ins. diam., brs. S. 33½° E., 58 lks. dist., marked N B W M I R 9½ M B T,
An aspen, 12 ins. diam., brs. S. 36½° W., 42 lks. dist., marked N B W M I R 9½ M B T,
An aspen, 12 ins. diam., brs. S. 87½° W., 51 lks. dist., marked N B W M I R 9½ M B T.

RESERVOIR NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

An aspen, 14 ins. diam., brs. N. 28° E, 34 lks dist., marked N B W M I R, 9 1/2 M B T
Raise a mound of stone, 3 ft base, 1 1/2 ft high, S. of cor. on line.

September 21: At this 9 1/2 mile cor., at 12 noon, l.m.t. I set off 0° 51' N. on the decl. and observe the sun on the meridian; the resulting lat. is 33° 58' N.

Thence I run,

N. 6° W.,

Var. 13 1/4° E.

Head of draw, course S 90° E.

Along east slope of ridge.

50.85 Top of ridge, thence along ridge.

54.83 Find aspen tree, 10 ins. diam., marked N B W M I R 74, which marks I obliterate and remark A P N B W M I R 74 on W. face, B. M. F. R. on E. face.

Thence I run,

N. 38° 35' E.,

Var. 14° E.

58.28 An aspen tree, 20 ins. diam., marked W M I R 389, which I destroy.

A mound of stone, 5 ft. base, 4 ft. high, in which I set a malapai stone, 20x10x8 ins., marked A P 75 N B W M I R and B M F R on opposite side, from which,

An aspen tree, 20 ins. diam., brs. N. 74° W. 47' lks dist., marked A P 75, B T,

An aspen, 4 ins. diam., brs. N. 60° W., 18 lks. dist., marked A P 75 B T.

An aspen, 4 ins. diam., brs. N. 60° W., 18 lks. dist., marked A P 75 B T.

Thence I run,

N. 28° 40' W.,

Var. 14° E.

Descend along ridge, dense aspen timber.

59.28 Enter dense grove of young aspen timber, 2.00 chs. wide.

71.14 Find blazed aspen tree, 10 ins. diam., with markings overgrown, which I remark A P N B W M I R 76, on S. face, B M F R on N. face.

Thence I run,

N. 7° 32' W.,

Var. 14° E.

74.25 Find a fir tree, 36 ins. diam., marked N B W M I R 77, which marking I destroy and remark A P N B W M I R 77, on W. face, B M F R on E. face.

Thence I run,

N. 22° 19' E.,

Var. 14° E.

Descending along west slope of ridge.

77.78 Find an aspen tree, 10 ins. diam., marked N B W M I R 78 which marking I change to A P N B W M I R 78 on W. face, B M F R on E. face.

Thence I run,

N. 14° 25' E.,

Var. 14° E.

Descend west slope of ridge.

80.34 Find the 10th mile monument, which is a malapai stone, 30x14x8 ins., firmly set in the ground, with mound of stone alongside. I destroy mound and marks and remark 10 M A P 79 on S. E. face.

N B W M I R on N.W. face,

B M F R on S. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. W. of cor. on line.

As aspen, 14 ins. diam., brs. N. 35° W., 42 lks. dist., marked N B W M I R 10 M B T

An aspen, 14 ins. diam., brs. N. 72° E., 13 lks. dist., marked N B W M I R 10 M B T,

An aspen tree, 10 ins. diam., brs. S. 75° W., 25 lks. dist., marked N B W M I R 10 M B T,

A fir tree, 8 ins. diam., brs. S. 55° W., 27 lks. dist., marked N B W M I R 10 M B T.

GREENVIEW NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains. Land, mountainous and heavily timbered.
 Soil, stony and rocky; 2nd and 3rd rate.
 Timber, fir, spruce and aspen.
 Mountainous land, heavily timbered, exceptionally difficult to survey, 80.34 chs.

--oOo--

Thence I run, continuing measurement from 10 mile cor.
 N. 60° 57' E.

4.47 Descending along north slope of ridge.
 Find a dead tree stump, with traces of markings, which I remark A P N B W M I R 80 on N. face, B M F R on S. face.
 A spruce tree, 10 ins. diam., brs. N. 26° W., 13 lks dist., marked A P 80 B T.
 A spruce tree, 10 ins. diam., brs. N. 59° W., 80 lks. dist., marked A P 80 B T.

Thence I run,
 N. 39° 15' E.,
 Var. 15° E.

11.02 Descending along narrow ridge.
 A dead aspen, 14 ins. diam., marked N B W M I R 81, which I obliterate and remark A P N B W M I R 81 on N. face, B M F R on S. face.
 Thence I run,
 N. 64° 37' E.,
 Var. 13° E.

16.32 Descending narrow ridge.
 Find a dead tree stump on line, which I destroy and set a malapai stone 20x12x8 ins. in mound of stone, for A P 82, marked A P N B W M I R 82 on N. face, B M F R on S. face.
 An aspen tree, 16 ins. diam., brs. N. 4° W., 12 lks dist., marked A P 82 B T.
 An aspen tree, 4 ins. diam., brs. West 23 lks dist., marked A P 82 B T.

Thence I run,
 N. 84° 30' E.,
 Var. 14° E.

21.89 Descend along ridge.
 Find an aspen tree, 8 ins. diam., on line, marked N B W M I R 83, which I destroy, and remark A P N B W M I R 83 on N. face, B M F R on S. face.
 Thence I run,
 N. 45° 45' E.,
 Var. 13° 20' E.

37.19 Descending.
 Find a tree marked W M I R 3 C L X X V I, which I destroy.

37.97 Find an aspen tree, 20 ins. diam., marked N B W M I R 84 which I obliterate and remark A P N B W M I R 84 on N. face, B M F R on S. face.
 Thence I run,
 N. 31° 15' E.,
 Var. 13½° E.

40.46 To the 10½ mile cor., which is a malapai stone 24x12x10 ins. above ground, marked N B W M I R 10½ M I obliterate marking and remark 10½ M on S. W. face, N B W M I R on N. W. face, B M F R on E. face, and raise a mound of stone, 3 ft base, 2 ft high, S. W. of cor. on line.
 A pine, 40 ins. diam., brs. N. 47½° W., 192 lks dist., marked N B W M I R 10½ M B T.
 A pine 30 ins. diam., brs. S. 52½° W., 171 lks dist., marked N B W M I R 10½ M B T.
 An aspen, 20 ins. diam., brs. S. 10° W. 110 lks. dist., marked N B W M I R 10½ M B T.
 An aspen, 20 ins. diam., brs. N. 12° E., 213 lks. dist., marked N B W M I R 10½ M B T.

At this cor. at 4 h. 30 m. p.m., l.m.t.: I set off 0° 47' N. on the declination arc and 33° 58' N on the lat. arc, and determine a true meridian with the solar and mark a point in the meridian thus determined by a tack in a

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains stake 15 chs. N. of my station.

At 7 h. 30 m. l.m.t., (p.m.) I observe Polaris at Eastern elongation and mark a point in the line thus determined by a tack in a stake 15 chs. N. of my station.

-----September 22, 1906-----

September 22: At 7 a.m., l.m.t., I set off the azimuth of Polaris $1^{\circ}27'$ W., and mark the meridian thus determined by a pin set 15 chs. N. of my station. Then I set off $0^{\circ}35'$ N. on the decl. arc and $55^{\circ}58'$ N. on the lat. arc and determine a meridian with the solar. The meridian determined by the solar at p.m. and a.m. observations are 21 and 11 E. and W., respectively, of the meridian determined by Polaris, hence I conclude that the adjustments are satisfactory.

Thence I run,

N. $32^{\circ}58'$ E.,

Var. $13\frac{1}{2}^{\circ}$ E.,

Over an open flat; no trees.

50.16 To a pine, 5 ft. diam., marked N B W M I R 85, which I obliterate and remark A P N B W M I R 85 on N. face, B M F R on S. face.

Thence I run,

N. $14^{\circ}40'$ E.,

Var. $13\frac{1}{2}^{\circ}$ E.,

56.26 Find an aspen, 14 ins. diam., marked N B W M I R 86, which marking I obliterate and remark A P N B W M I R 86 on W. face, B M F R on E. face.

Thence I run,

N. $22^{\circ}19'$ E.,

Var. $10^{\circ}30'$ E.

Over rolling land, through dense pine and aspen timber.

57.26 Find a pine, 40 ins. diam., 60 lks. to left of line, marked W M F R C C C 1 X X X V, which I destroy.

72.11 Find an aspen, 16 ins. diam., marked N B W M I R 87, which marking I destroy and remark A P N B W M I R 87 on W. face, B M F R on E. face.

Thence I run,

N. 30° E.,

Var. $10\frac{1}{2}^{\circ}$ E.

77.24 To a pine, 24 ins. diam., marked N B W M I R 88, which marking I destroy and remark A P N B W M I R 88, on W. face, B M F R on E. face.

Thence I run,

N. 44° E.,

Var. $9\frac{1}{2}^{\circ}$ E.

Ascending a gradual slope.

80.44 To the 11th mile cor., which is a lava stone, 24x12x8 ins., firmly set in the ground with ground of stone alongside. I destroy mound and markings and remark 11 M on S. W. face,

N B W M I R on N. W. face,

B M F R on E. face, and raise a mound of stone 3 ft base, 2 ft high, S. W. of cor., on line.

An aspen, 10 ins. diam., brs. S. 76° E., 39 lks. dist., marked N B W M I R 11 M B T.

A pine, 30 ins. diam., brs. S. $73\frac{1}{2}^{\circ}$ W., 72

lks. dist., marked N B W M I R 11 M B T.

An aspen, 14 ins. diam., brs. N. 31° E., 110 lks.

dist., marked N B W M I R 11 M B T.

An aspen, 4 ins. diam., brs. S. 31° E., 31 lks.

dist., marked N B W M I R 11 M B T.

Land, mountainous and heavily timbered.

Soil, stony; 2nd and 3rd rate.

Timber, fir, pine, spruce and aspen.

Mountainous or heavily timbered land; exceptionally difficult to survey, 80.44 chs.

Heavily timbered land, 40 chs.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.	Description
	Thence I run, continuing measurement from 1 1/4 mile cor. N. 82° 45' E., Var. 9 1/2° E.
	Ascending gentle slope through dense pine, fir and aspen timber.
11.33	Find a pine tree, 30 ins. diam., marked N B W M I R C C C E X X X I I 90, which I destroy and remark A P N B W M I R 90 on SW. face, B M F R on N. face. Here I note another line diverging from this line to the southeast. I follow the field notes furnished by the Surveyor General and run, N. 40° 53' E., Var. 13 1/2° E.
17.80	Descending along rocky slope. Find a pine, 24 ins. diam., marked N B W M I R 91, which marks I obliterate and remark A P N B W M I R 91, on S. face, B M F R on N. face. Thence I run, N. 56° 45' W., Var. 13 1/2° E.
31.61	Find a pine tree, 24 ins. diam., marked W M I R C C C L X X X I I, which I destroy.
33.29	To an aspen, 16 ins. diam., on line, marked N B W M I R 92, which I obliterate and remark A P N B W M I R 92, on S. face, B M F R on N. face. Thence I run, N. 41° 15' W., Var. 13 1/2° E.
	Descend.
38.49	Find aspen, 12 ins. diam., marked N B W M I R 93, which marks I destroy and remark A P N B W M I R 93, on S. face, B M F R on N. face. Thence I run, N. 27° 35' W., Var. 15° 30' E.
	Descend.
40.16	To the 1 1/4 mile cor., which is a malapaal stone in place, 2 ft above ground, 3 1/2 ft. with a mound of stone alongside, marked N B W M I R 1 1/4 M, which mound and marks I destroy and remark, 1 1/4 M on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft base, 2 ft high, S. E. cor., on line. A pine, 36 ins. diam., brs. N. 8° E., 42 lks. dist., marked N B W M I R 1 1/4 M B T, A pine, 24 ins. diam., brs. N. 24 1/2° W., 43 lks dist., marked N B W M I R 1 1/4 M B T, A fir, 10 ins. diam., brs. N. 67 1/2° W., 20 lks dist., marked N B W M I R 1 1/4 M B T, An aspen, 3 ins. diam., brs. N. 79° E., 30 lks. dist., marked N B W M I R 1 1/4 M B T. Thence I run, N. 33° 36' W., Var. 14° E.
	Descend rocky slope.
49.66	A trail brs. N. E. and S. W.
59.84	Find a fir tree on line, 18 ins. diam., marked W M I R C C C L X X X I I 94, which marking I obliterate and remark A P N B W M I R 94, on S. face, B M F R on N. face. Thence I run, N. 7° W., Var. 13° E.
	Gradual descent on E. slope of draw, brs. E. and W.
54.44	Trail brs. N. and S.
60.84	Begin ascent to top of ridge.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
66.69 To a dead pine tree, 30 ins. diam., marked N B W M I R 95, which marking I obliterate and remark A P N B W M I R 95, on S. face, B M F R on N. face.
An aspen, 10 ins. diam., brs. S. 63° E. 26 lks. dist., marked A P 95 B T.
An aspen, 12 ins. diam., brs. S. 31° W., 17 lks. dist., marked A P 95 B T.
- Thence I run,
N. 16° 38' W.,
Var. 13° 45' E.
- 69.51 An aspen, 6 ins. diam., marked N B W M I R 96, which I obliterate and remark A P N B W M I R 96, on W. face, and B M F R on E. face.
Thence I run,
N. 13° W.,
Var. 14° E.
- Descending along ridge.
- 72.01 A pine tree, 24 ins. diam., on line, marked N B W M I R 97, which marking I change to A P N B W M I R 97 on W. face, B M F R on E. face.
A pine, 20 ins. diam., brs. N. 45° E., 1.00 chs. dist., marked W M I R C C C L K X, which I destroy.
- Thence I run,
N. 33° 50' E.,
Var. 14° E.
- Descending.
- 76.71 Fence brs. N. and S.
- 78.01 Small spring on line.
- 80.58 The 12 mile monument, which is a malapai stone, 16x10x8 ins., set in a mound of stone, with mound of stone alongside, marked N B W M I R 12 M, which marking and mound of stone I destroy and remark 12 M A P 98 on S. W. face, N B W M I R on N. W. face, B M F R on S. E. face, and raise a mound of stone, 3 ft base, 2 ft high, S. W. of cor., on line.
A fir tree, 18 ins. diam., brs. N. 60° W., 54 lks. dist., marked N B W M I R 12 M B T
A pine tree, 36 ins. diam., brs. N. 14° W., 40 lks. dist., marked N B W M I R 12 M B T,
A fir tree, 12 ins. diam., brs. N. 70° E., 30 lks. dist., marked N B W M I R 12 M B T,
A pine tree, 24 ins. diam., brs. S. 5° W., 22 lks. dist., marked N B W M I R, 12 M B T.
- Land, mountainous and heavily timbered.
Soil, stony, 2nd and 3rd rate.
Timber 1 pine, fir and aspen.
Mountainous or heavily timbered land, exceptionally difficult to survey, 80.58 chs.
--oOo--
- Thence I run, continuing measurement from 12th mile cor.
N. 24° 30' E.,
Var. 10½° E.,
- Over open flat, leave timber.
- 30.00 Find a large monument of stone which I mark A P N B W M I R 99, and set in mound of stone, for A P 99 cor., on W. face, and B M F R on E. face.
Large reservoir brs. East 20 chs. dist.
Thence I run,
N. 15° 32' W.,
Var. 15° 20' E.,
- 40.05 To the 12½ mile cor., which is a malapai stone, 20x14x10 ins., firmly set in the ground, marked N B W M I R; 12½ M, with mound of stone alongside. I destroy mound of stone and marking and remark

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

12 1/2 M on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone, 3
 ft base, 2 ft. high, S. E. of cor. A on line. Pits
 impracticable.

Thence I run,
 N. 15° 32' W.,
 Var. 15° 20' E.

69.94 A large mound of stone on a small knoll, with stone set
 in ground, marked N B W M I R 100, which marks I
 destroy and remark A P N B W M I R 100, on W. face.
 B M F R on E. face.

Thence I run,
 N. 40° 00' E.,
 Var. 15° 20' E.

79.94 Descending along east slope of low ridge
 A malapai boulder in place, 3 x 2 x 1 ft., above ground,
 marked N B W M I R 13 M, with mound of stone alongside
 I obliterate markings and mound of stone and remark,
 13 M on S. W. face,
 N B W M I R on N. W. face,
 B M F R on S. E. face, and raise a mound of stone,
 3 ft base, 2 ft. high S. W. of cor. Pits impracticable.
 No trees available. on line
 Land, mountainous.
 Soil, stony; 2st and 2nd rate.
 Timber, none.

Mountainous land, exceptionally difficult to survey,
 79.94

Thence I run, continuing measurement from 13th mile cor.
 N. 40° E.,
 Var. 14° E.

Descend gradual slope over rolling land.

9.00 Road between Greer and Pinetops brs. E. and W.

40.10 The 13 1/2 M. monument, which is a malapai stone 24 x
 12 x 12 ins. firmly set in the ground, marked N B W M
 I R 13 1/2 M, which marking I destroy and remark and mound
 of stone raised alongside, and remark,
 13 1/2 M on S. W. face,
 N B W M I R on N. W. face,
 B M F R on S. E. face, and raise a mound of stone 3 ft
 base, 2 ft. high S. W. of cor., on line. Pits im-
 practicable. No trees available.

Thence I run,
 N. 40° E.,
 Var. 12° 35' E.

42.61 Find a boulder in place, 2 ft. high, 4 x 13 ft., marked
 N B W M I R 101, with mound of stone alongside. I
 obliterate marking and remark
 A P N B W M I R 101 on W. face; B M F R on E. face.

September 22: At this cor. at noon, 11.50 A.M., I set off
 0° 28' N. on the decl. arc and observe the sun on the
 meridian; the resulting lat. is 34° N.

Thence I run,
 N. 44° W.,
 Var. 10° E.

Descending gradual slope.

58.91 Trail brs. N. and S.

59.61 Enter a low swamp.

67.61 Leave swamp and begin ascent of gentle slope.

80.10 Find the 14th mile monument, which is a malapai stone,
 24 x 10 x 8 ins., firmly set in the ground, with mound
 of stone alongside. I destroy mound and marks and re-mark.

Chains

NBWMIR 14 M. on SW and BMFR on N. E. face, and raise a mound of stone 3 ft. base 2 ft. high SE of cor.
 Pits impracticable, no trees available.
 Land Mts.
 Soil 1st & 2nd rate.
 Timber none.
 Mts. land 80.10 chs.

Thence I run, continuing measurement from the 14 mile Cor. N.44°40'W.

Var. 14°E.
 Ascend gentle slope.

10.00 A pine tree 24" diam. marked W.M.I.R. CCCLXXI, which I destroy.

24.25 Find traces of a mound of stone on line which I rebuild and set a malapais stone 18x10x4 ins. 12 ins. in the ground which I mark N.B.W.M.I.R., A.P.102 on S. face. & B.M.F.R. on N. face,.

Thence N.52°43'W.
 Var. 14°E.

40.45 Desecend steep Slope.
 To 14 1/2 mile cor., which is a malapais stone 24x12x10 ins. firmly set and marked N.B.W.M.I.R. 14 1/2 M. & B.M.F.R. on N.W. face which markings I change to 14. 1/2 M. on S.E. face, N.B.W.M.I.R. on S.W. face, & B.M.F.R. on N.E. face and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor.

Thence, N.51°29'W.
 Var. 14°E.

69.25 trail, brs. N.E. & S.W.

80.45 To 15 mile cor., which is a malapais stone 30x10x6 ins. firmly set in ground with mound of stone alongside marked N.B.W.M.I.R. 15 M. I destroy markings and re-mark 15 M. on S.E. face N.B.W.M.I.R. on S.W. face B.M.F.R. on N.E. face and raise a mound of stone 3 ft. base 2 ft. high S.E. of Cor.
 pits impracticable. No trees available.

Land mts.
 Soil 1st & 2nd rate stony.
 No timber.
 Mts. land 80.45 chs.

-----ooOoo-----
 Thence I run continuing measurement from the 15 mile cor.

N.53°17'W.
 Var. 14°E.

asc. steep slope to top of ridge.
 83.13 Top of ridge where I find large mound of stone with a stone 24x12x14 ins. marked N.B.W.M.I.R. 103, which markings I change to A.P.N.B.W.M.I.R. 103 on S.W. B.M.F.R. on N.E. faces and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor.

At this point I run N. 44°11'W. 8.30 chs. as per field notes furnished by the Surveyor General and search for mound of stone as described.
 No sign of cor. found after diligent search. thence I run North for a distance of 40.00 chs. and search for cor. as described in field notes. No sign of cor. found.
 I return to A.P. No. 103 and run

Chains	
	Thence $S. 88^{\circ} 43' W.$ Var. $14^{\circ} E.$
28.13	Road from Greeve to Pinetop, brs. N. & S.
40.13	Find a mound of stone which I rebuild and mark a malpais stone $30 \times 15 \times 10$ ins. set. in ^{the} mound of stone for the $15 \frac{1}{2}$ mile cor. which I mark 15 $\frac{1}{2}$ M. A.P. 104 on E. face N.B.W.M.I.R. on S. face & B.M.F.R. on N. face. No trees available. Thence N. $58^{\circ} 50' W.$ var. $14^{\circ} E.$
70.22 ✓	A pine tree 40" diam. marked N.B.W.M.I.R. 105 which I change to A.P.N.B.W.M.I.R. 105 on S. face and B.M.F.R. on N.E. face. Thence N. $46^{\circ} 30' W.$ Var. $14^{\circ} E.$
80.13	Ascend steep slope through dense pine and aspen timber. To 16 mile cor. which is a malpais stone $24 \times 15 \times 12$ ins. firmly set in ground with mound of stone alongside, marked N.B.W.M.I.R. 16 M. which marking I destroy with mound of stone and re-mark 16 M. on S.E. face B.M.F.R. on N. face, and raise a mound of stone 2 ft. base 1 ft. high SE of Cor. from which, A pine tree 15" diam. brs. S. $28^{\circ} E.$ 56 lks. dist. marked N.B.W.M.I.R. 16 M.B.T. A fir tree 15" diam. brs. N. $59^{\circ} W.$ 27 lks. dist. marked N.B.W.M.I.R. 16 M.B.T. A fir tree 15" diam. brs. N. $63 \frac{1}{4}^{\circ} E.$ 42 lks. dist. N.B.W.M.I.R. 16 M.B.T. An aspen tree 4" diam. brs. S. $17^{\circ} E.$ 39 lks. dist. marked N.B.W.M.I.R. 16 M.B.T. Land mts. Soil, Stony 1st & 2nd rate. Timber 10 chs dense pine and aspen. Mts. land or land heavily timbered 80.13 chs. Sept. 22, 1906.
	-----oo0oo----- Sept. 23, 1906.
	At the 16 mile cor. at 7 a.m., 1 m.t., I set off $0^{\circ} 12' N.$ on the decl. arc and $34^{\circ} 52' N.$ on the lat. arc and determine a true mer. with the solar. Thence I run continuing measurement from the 16 mile cor. N. $49^{\circ} 15' W.$ Var. $13 \frac{1}{2}^{\circ} E.$
1.00	Ascend steep slope through dense pine & fir timber. Find a tree marked CCCLXIII, which I destroy.
2.79	A pine tree 30" diam marked N.B.W.M.I.R. 106 on S. and B.M.F.R. on N. faces. Thence N. $28^{\circ} 39' W.$ Var. $13 \frac{1}{2}^{\circ} E.$
15.95	Ascend steep slope. Find an aspen tree 10" diam. marked N.B.W.M.I.R. 107, which marking I change to A.P.N.B.W.M.I.R. 107 on W. face and B.M.F.R. on E. face. Thence, N. $6^{\circ} 26' E.$ Var. $14^{\circ} E.$ Descend along E. slope of ridge.

- Chains
20.95 Find a tree on line marked W.M.I.R.CCCLXII, which I destroy.
23.04 Find an aspen tree 5" diam. marked N.B.W.M.I.R.109, which I re-mark A.P.N.B.W.M.I.R.109 on W. face, B.M.F.R. on E. face. Thence, N.24°30' W.
- Var. 14° W.
Desc. along E. slope of ridge through dense Growth of young aspen trees.
- 40.77 To 16 1/2 mile cor., which is a malpaos stone 24x16x12 ins firmly set in ground with mound of stone alongside marked N.B.W.M.I.R. 16 1/2 M. I destroy markings and mound of stone and re-mark N.B.W.M.I.R.16 1/2 M. on S.W. face, B.M.F.R. on N.E. face and raise a md. of stone 3 ft. base 2 ft. high S.E. of cor. from which, an aspen tree 6" diam. brs. N.46 1/2° E. 29 lks. dist. mkd. N.B.W.M.I.R.16 1/2 M.B.T. An aspen tree 10" diam. brs. N.66 1/2° W. 20 lks dist. marked N.B.W.M.I.R. 16 1/2 M.B.T. an aspen tree 10" diam. brs. N.10° W. 66 lks. dist. marked N.B.W.M.I.R. 16 1/2 M.B.T. No other trees available. Thence N.23° 45' W.
- Var. 14° E.
Desc. through dense Pine and fir timber along base of ridge.
- 70.77 Leave timber, enter open flat.
81.19 To 17 mile cor., a malpais stone 24x15x 12 ins. set. in mound of stone marked N.B.W.M.I.R.17 M. on S.W. which I re-mark A.P.N.B.W.M.I.R. 17 M. on S.W. and B.M.F.R. on N.E. Face, and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor. on ,
~~No trees available.~~
- Land Mts. Soil, stony 2nd & 3rd rate.
Timber pine, fir, aspen.
Mts land or land heavily timbered 81.19 chs.
----ooOoo-----
- Thence I run, continuing measurement from the 17 mile cor N. 27° W.
- Var. 14° E.
- 11.80 Along open flat, level, no trees.
A pine tree 36" diam. marked N.B.W.M.I.R. 109 which I re-mark A.P.N.B.W.M.I.R. 109 on S.W. and B.M.F.R. on N.E. faces.
Thence N.62°55' W.
- Var. 13 1/2° E.
- 19.80 Find an aspen tree on line 12" diam. mkd. N.B.W.M.I.R.110, which I re-mark A.P.N.B.W.M.I.R.110 on S.W face and B.M.F.R. on N.E. face.
- Thence N.61° 07' W.
- Var. 14° E.
- 20.20 Top of ridge, brs. N. & S.
From this point, Sheep spring brs. N. 36° E. about 1/2 mile decs. along W. slope of ridge, no timber.

Chains	
24.50	Road, brs. E. & W.
35.00	Trail, brs. N. & S.
40.45	To 17 1/2 mile cor., a malpais stone 24x20x8 ins. firmly set in ground with mound of stone on side Marked N.B.W.M.I.R. 17 1/2 M. Which I re-mark N.B.W.M.I.R. 17 1/2 M. on S.W. and B.M.F.R. on N.E. faces and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor. from which, No trees available.
	Thence N. 59° 07' W.
	Var. 14° 20' E.
615	Offer level flat, no timber.
48.15	Greer to Pinetop road, brs. N.E. & S.W.
61.49	An aspen tree 20" diam. on line marked N.B.W.M.I.R. 111, which markings I change to A.P.N.B.W.M.I.R. 111, on S.W. and B.M.F.R. on N.E. face.
	Thence N. 69° 26' W.
	Var. 14° 20' E.
	Enter dense timber asc. gently.
76.23	an aspen tree 20" diam: on line mkd. B.B.W.M.I.R. 112, which markings I change to A.P.N.B.W.M.I.R. 112 on S.W. face and B.M.F.R. on N.E. face.
	Thence N. 51° 45' W.
	var. 14° 15' E.
	Asc. rocky slope.
78.73	An aspen tree marked W.M.I.R. CCCIV which I destroy.
80.83	To 18 mile cor., a malpais stone 24x18x12 ins. firmly set in ground marked N.B.W.M.I.R. 18 M. which - re-mark 18 M on S.E. N.B.W.M.I.R. on S.W. and B.M.F.R. on N.E. faces. and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor. from which, an aspen tree 16" diam. brs. S. 44 1/2° E. 92 lks. dist. marked N.B.W.M.I.R. 18 M.B.T. an aspen tree 3 1/2" diam. brs. S. 3 1/2° E. 47 lks. dist. marked N.B.W.M.I.R. 18 M.B.T. an aspen tree 5" diam. brs. N. 60° E. 48 lks. dist. marked N.B.W.M.I.R. 18 M.B.T. An aspen tree 6" diam. brs. S 74 3/4° W. 35 lks dist. marked N.B.W.M.I.R. 18 M.B.T.
	Land Mts. Soil, 2nd & 3rd rate stony.
	Timber, pine oak, aspen.
	Mts. or heavily timbered land exc. difficult to survey 80.83. chs.
	-----ooOoo-----
	Thence I run, continuing measurement from the 18 mile cor. N. 44° 23' W.
	var. 14° E. ascending.
17.47	A pine tree 16" diam. on line marked W.M.I.R. CCCLIV, N.B. 114 which marking I change to A.P.N.B.W.M.I.R. 114 on S.W. face and B. M.F.R. on N.E. face.
	Thence N. 21° 35' W.
	Var. 14° E.
29.51	A pine tree 18" diam. mkd. N.B.W.M.I.R. 115, which marking I change to A.P.N.B.W.M.I.R. 115 on S.W. and B.M.F.R. on N.E. face.

Chains

- thence N. $37^{\circ}36'W$.
Var. $14^{\circ}E$.
- 40.55 To 18 1/2 mile cor., a malpais stone 18x12x10 ins. firmly set in ground with md. of stone alongside, marked N.B.W.M.I.R. 18 1/2 M. which I change to N.B.W.M.I.R. 18 1/2 M. on S.W. face and B.M.F.R. on N.E. face. and raise a mound of stone 3 ft. base 2 ft. high S.E. of Cor. from which, A fir tree 24" diam. brs. N. $16^{\circ}1/2'E$. 83 lks dist. marked N.B.W.M.I.R. 18 1/2 M. B.T.
A pine tree 15" diam. brs. N. $48^{\circ}1/2'E$. 93 lks. dist. marked N.B.W.M.I.R. 18 1/2 M. B.T.
A fir tree 30" diam. brs. N. $22^{\circ}W$. 95 lks. dist. marked N.B.W.M.I.R. 18 1/2 M. B.T.
A fir tree 20" diam. brs. N. $62^{\circ}40'E$. 130 lks. dist. marked N.B.W.M.I.R. 18 1/2 M. B.T.
- Thence N. $35^{\circ}04'W$.
Var. $14^{\circ}E$.
- 41.95 A dead pine tree on line 10" diam. which I re-mark A.P.N.B.W.M.I.R. 116 on S.W. and B.M.F.R. on N.E. faces from which,
A fir tree 24" diam. brs. S. $88^{\circ}E$. 16 lks dist. marked A.P. 116 B.T.
A fir tree 30" diam. brs. S. $46^{\circ}W$. 28 lks. dist. marked A.P. 116 B.T.
- Thence N. $22^{\circ}37'W$.
Var. $14^{\circ}E$. desc. steep slope thro' dense pine and spruce timber.
- 50.95 leave timber and enter an level and open flat.
- 52.09 Trail, brs. E. & W.
- 58.64 Road, brs. E. & W.
- 81.51 To 19 mile cor., a malpais 3'x2'x2' above ground with a md. of stone alongside & marked N.B.W.M.I.R. 19 M. which I change to N.B.W.M.I.R. 19 M. on S. face and B.M.F.R. on N.E. face. and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor.
No trees available.
Land Mts., soil 2nd & 3rd rate stony,
Timber, pine fir, aspen. Dense for 50.00 chs.
Mts. of heavily timbered land exceptionally difficult to survey 81.51 chs.
Sept. 23, at 12 m., l.m.t. I set off $0^{\circ}4'1/2''N$. on the decl. arc. and obs. the sun on the mer.
The resulting lat. is $34^{\circ}04'N$.
----0000----
Thence I run, continuing measurement from 19 mile cor. N. $23^{\circ}30'W$.
Var. $14^{\circ}E$,
- 40.22 To the 19 1/2 mile cor., a malpais stone 24x12x10 ins. set in a mound of stone marked N.B.W.M.I.R. 19 1/2 M. which I change to N.B.W.M.I.R. 19 1/2 M. on S.W. and B.M.F.R. on N.E. faces and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor.
No bearings available.

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BOOK 2070

Chains.

Thence I run, N. 18° 55' W.
Var. 14° E.

51.66 Find remains of large md. of stone which I rebuild and mark a malpais stone 20x10x12 ins. and set same 15 ins. in the ground for A.P. 117, marked A.P.N.B.W.M.I.R. 117. on S.W. face and B.M.F.R. on N.E. face, and raise mound of stone 5 ft. base 3 ft. high S.E. of cor.

Thence N. 45° W.
Var. 10° 15' E.

Over level flat, no trees.

80.53 20 20 mile cor., a malpais stone 16x12x8 ins. set 12 ins. in the ground marked N.B.W.M.I.R. 20 M. which marking I change to N.B.W.M.I.R. 20 M. on S.W. and B.M.F.R. on N.E. faces, and raise a mound of stone 3 ft. base 2 ft. high $\frac{3}{4}$ of cor.

Rolling land, Soil list & 2nd rate. No timber
Rolling land, 80.53 chs.

Thence I run, continuing measurement from 20 mile cor. N. 45° W,
Var. 14° E. over level flat.

6.00 Begin steep asc.

06.50 Trail, brs. E. x W.

12.00 Enter aspen & pine timber.

15.00 Top of ridge, thence along same.

16.50 Find a tree marked W.M.I.R. CCXLVI, which I destroy

18.00 A fir tree 12" diam. with markings overgrown, I reblaze and mark A.P.N.B.W.M.I.R. 118 on S.W. Face and B.M.F.R. on N.E. face.

Thence N. 5° 47' W.
Var. 14° 30' E.

Desc. through dense pine & aspen timber.

25.00 End of desc. lv. timber, thence over level flat.

39.94 To 20 1/2 mile cor., a malpais stone 24x12x10 ins. firmly set in ground marked N.B.W.M.I.R. 20 1/2 M. with md. of stone alongside, which marking I destroy and re-mark N.B.W.M.I.R. 20 1/2 M. on S.W. face & B.M.F.R. on N.E. face and raise a mound of stone 3 ft. base 2 ft. high S.E. of Cor. from which,
An aspen tree 12" diam. brs. N. 87° 54' W. 62 lks. dist. marked N.B.W.M.I.R. 20 1/2 M.B.T.
An aspen tree 8" diam. brs. S. 23° W. 57 lks. dist. marked N.B.W.M.I.R. 20 1/2 M.B.T.
An aspen tree 12 ins. diam. brs. S. 19 1/2° W. 52 lks. dist. marked N.B.W.M.I.R. 20 1/2 M.B.T.
an aspen tree 10" diam. brs. N. 66 3/4° W. 23 lks. dist. marked N.B.W.M.I.R. 20 1/2 M.B.T.

Thence I run, N. 4° 51' W.
Var. 13° E.

64.24 Find an old mound of stone on line which I reset, and set a stone in md. marked A.P.N.B.W.M.I.R. 119 on W. face, B.M.F.R. on E. face, and raise a mound of stone 3 ft. base 2 ft. high S. of cor.

Chains

- Thence I run, N. 34° 45' W.
Var. 11° E.
Over level flat, no trees.
- 80.26 To the 21 mile cor., a malapais stone 16x10x8" ins. firmly set in ground with mound of stone alongside, marked N.B.W.M.I.R. 21 M.I re-marked same N.B.W.M.I.R. N.B.W.M.I.R. 21 M. on S.W. B.M.F.R. on N.E. and raise a mound of stone 3 ft. base 2. ft. high S.E. of cor. on line. from which,
an aspen tree 12" diam. brs. N. 72 1/2° E. 41 lks. dist. marked B.B.W.M.I.R. 21 M.B.T.
An aspen tree 6" diam. brs. S. 76° E. 53 lks. dist. marked N.B.W.M.I.R. 21 M.B.T.
An aspen tree 6" diam. brs. S. 2 1/2° W. 17 lks dist. marked N.B.W.M.I.R. 21 M.B.T.
An aspen tree 6" diam. brs. S. 7° W. 11 lks. dist. marked N.B.W.M.I.R. 21 M.B.T.
- Land Mts. Soil stony 2nd & 3rd rate.
Timber, aspen and pine.
Mts. or heavily timbered land 80.26 chs.
---oooOooo---
- Thence I run, continuing measurement from the 21 mile cor.
N. 40° 15' W.
Var. 15° E.
Enter dense aspen and pine timber.
- 16.00 begin asc. to top of ridge.
- 17.60 Find a tree on line marked CCCxL11, which I destroy.
- 25.85 An aspen tree 6" diam. marked N.B.W.M.I.R. 121, which I change to A.P.N.B.W.M.I.R. 121 on S.W. & B.M.F.R. on NE faces. from which
a pine tree 30" diam. brs. S. 78 1/2° E. 37 lks dist. marked A.P. 121 B.T.
an aspen tree 5" diam. brs. N. 15° E. 73 lks. dist. marked A.P. 121 B.T.
- Thence N. 32° 44' W.
Var. 15° E.
- 28.19 To a dead aspen marked N.B.W.M.I.R. 122, which markings I change to A.P.B.B.W.M.I.R. 122 on W. face from which,
a pine tree 30" diam. brs. N. 42° W. 84 lks. dist. marked A.P. 122 B.T.
a pine tree 30" diam. brs. N. 59° W. 80 lks. dist. marked A.P. 122 B.T.
Thence N. 28° 47' W.
Var. 14° E.
- 31.12 Find a dead aspen with traces of markings, which I destroy. I blaze and mark an aspen tree 10" diam. which stands close beside the original tree A.P.N.B.W.M.I.R. 123 on NW. face & B.M.F.R. on E. face.
Thence N. 1° 34' E.
Var. 13 1/2° E.
desc. steep slope through dense aspen and pine.
- 36.23 Find an aspen tree 4" diam. marked N.B.W.M.I.R. 124, which marks I change to A.P.N.B.W.M.I.R. 124 on W. face and B.M.F.R. on E. face.
Thence N. 2° W.
Var. 14° E.
Desc. along W. slope of ridge.
- 37.09 Enter old and cleared line.
- 38.09 Find an old tree Marked W.M.I.R. CCCXLI, which I destroy

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BOOK 2070Cains
39.97

To 21 1/2 mile cor. a malpais stone 18x16x12 ins. marked N.B.W.M.I.R. 21 1/2 M. with md. of stone alongside which I re-mark N.B.W.M.I.R. 21 1/2 M. on S. face and B.M.F.R. on N. face and raise a md. of stone 3 ft. base 2 ft. high S. of Cor. from which an aspen tree 6" diam. brs. S. 10° E. 60 lks. dist. marked N.B.W.M.I.R. 21 1/2 M.B.T. an aspen tree 5" diam. brs. N. 38° W. 58 lks. dist. marked N.B.W.M.I.R. 21 1/2 M.B.T. an aspen tree 3" diam. brs. S. 40° E. 52 lks. dist. mkd. N.B.W.M.I.R. 21 1/2 M.B.T. an aspen tree 4" diam. brs. E. 38 lks. dist. marked N.B.W.M.I.R. 21 1/2 M.B.T.

Thence I run N. 17 1/2° W.

Var. 13 1/2° E.

40.92 An aspen tree on line 5" diam. marked N.B.W.M.I.R. 125 which markings I change to APNBWMIR 125 on W. face, and Thence N. 18° E. B M F R on E. face.

Var. 13 1/2° E.

Asc. along W. Slope of ridge.

43.17 To a fir tree 10" diam. with markings defaced. which I re-mark A.P.N.B.W.M.I.R. 126 on W. face, and Thence N. 30° 55' E. B M F R on E. face.

Var. 14° 50' E.

Desc.

48.17 Find a dead aspen tree marked N.B.W.M.I.R. 127, which marking I destroy and mark a fir tree 15" diam. which stands close beside, APNBWMIR 127 on W. face, and Thence, N. 12° 15' E. B M F R on E. face.

Var. 15° E.

Desc.

54.82 An aspen tree 10" diam. marked N.B.W.M.I.R. 128, which I change to APNBWMIR 128 on S. face, and B M F R on NE face. Thence S. 77° 20' W.

Var. 16° E.

Across an open flat 14 chs wide.

63.62 Find a dead aspen tree 14" diam. with markings overgrown which I re-mark APNBWMIR 129 on S. face, and B M F R on N. face from which, An aspen tree 10" diam. brs. S. 22 1/2° W. 12 lks. dist. marked A.P. 129 B.T.

An aspen tree 12" diam. brs. S. 33° W. 37 lks. dist. marked A.P. 129 B.T.

Thence S. 69° 20' W.

Var. 9° E.

Asc. through aspen and pine timber.

77.62 top of ridge, desc.

78.62 find a tree 60 lks right of line marked W.M.I.R. CCCXXXIX which I destroy.

81.15 To 22 mile cor., a malpais stone 18x8x6" ins. firmly set in ground with md. of stone alongside, which I re-mark N.B.W.M.I.R. 22 M. on S.E. face and B.M.F.R. on N.W. face. and raise a mound of stone 3 ft. base 2 ft. high N.E. of cor.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains.

- A pine tree 24" diam. brs. S. 60° W. 14 lks. dist.
marked NBWMIR 22 M.B.T.
- An aspen tree 10" diam. brs. S. 55° E. 79 lks. dist.
marked NBWMIR 22 M.B.T.
- An aspen tree 10" diam. brs. N. 27° W. 31 lks. dist.
marked NBWMIR 22 M.B.T.
- An aspen tree 14" diam. brs. S. 82° E. 81 lks. dist.
marked NBWMIR 22 M.B.T.
- Land. mt. s .
Soil, Stony 2nd & 3rd rate.
Timber, pine fir. aspen.
Mts. or heavily timbered land exc. difficult to
survey, 81.15 chs.
- Thence I run Continuing measurement from the 22 mile cor.
S. 52° 50' W.
Var. 15 1/2° E.
- 12.12 Find a dead aspen stump marked NBWMIR 131, which I
re-mark ~~AB~~ NBWMIR 131 on S. & BMFR on N. faces.
from which.
An aspen tree 10" diam. brs. N. 12° W. 28 lks. dist.
marked A.P. 131 B.T.
An aspen tree 12" diam. brs. S. 47° W. 17 lks. dist.
marked A.P. 131 B.T.
- Thence N. 86° 34' W.
Var. 11° E. desc. through aspen and pine.
- 23.82 To an aspen tree 10" diam. marked N. BW MIR 132, which I
Change to APNBWMIR 132 on S. & BMFR on N. faces.
Thence N. 62° 32' W.
Var. 14° E.
Desc. gentle slope through dense aspen and pine.
- 33.08 To an aspen tree 12" diam. marked NBWMIR 133, which I
change to APNBWMIR 133 on S. & BMFR on N. faces.
Thence N. 88° 13' W.
Var. 14° E. desc. gentle slope
- 38.88 Find a tree marked WMIR CCCXXXVII which I destroy.
- 40.38 To the 22 1/2 mile cor. a malpais stone, 24x10x6 ins.
firmly set in ground with md. of stone alongside.
I destroy markings & md. of stone and remark
NBWMIR 22 1/2 M. on S. & BMFR on N. faces and raise a mound
of stone 3 ft. base E. of cor. from which,
An aspen tree 12" diam. brs. S. 31° E. 118 lks. dist.
marked NBWMIR 22 1/2 M.B.T.
- A pine tree 10" diam. brs. N. 15° W. 47 lks. dist.
marked NBWMIR 22 1/2 M.B.T.
- A pine tree 24" diam. brs. S. 88° W. 53 lks. dist.
marked NBWMIR 22 1/2 M.B.T.
- A pine tree 24" diam. brs. N. 25° E. 117 lks. dist.
marked NBWMIR 22 1/2 M.B.T.
- Thence N. 87° 30' W.
Var. 15° E.
- 56.48 An aspen tree 12" diam. marked NBWMIR 134, which I change
to APNBWMIR 134 on S. & BMFR on N. faces.
Thence S. 69° 15' W.
Var. 12° E.
- 57.38 Find a tree marked WMIR CCCXXXLI which I destroy.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

- Chains
68.05 To an aspen tree 10" diam. marked NBWMIR 135, which I change to APNBWMIR 135 on S. & BMFR on N. faces.
Thence S. 86° 13' W.
Var. 12° E.
desc.
- 76.47 To an aspen tree 12" diam. marked NBWMIR 136, which I change to APNBWMIR 136 on S. & BMFR on N. faces.
Thence S. 84° 40' W.
Var. 12° E.
- 79.17 Road, brs. N. & S.
- 80.47 To 23 mile cor., a malpais stone 18x12x10 ins. firmly set in ground marked NBWMIR 23 M., which I change to NBWMIR 23 M. on S. & BMFR on N. faces and raise a mound of stone 3 ft. base 2 ft. high E. of cor. from which
An aspen tree 6" diam. brs. N. 62 1/2° W. 16 lks dist. marked NBWMIR 23 M.B.T.
An aspen tree 8" diam. brs. N. 26° 30' W. 55 lks. dist. marked NBWMIR 23 M.B.T.
A pine tree 36" diam. brs. N. 85° 45' E. 94 lks. dist. marked NBWMIR 23 M.B.T.
An aspen tree 6" diam. brs. S. 29° E. 54 lks. dist. marked NBWMIR 23 M.B.T.
Land mts. Soil, stony 1st & 2nd rate.
Timber, pine & aspen.
Mts. land heavily timbered and exc. difficult to survey
80.47 chs.
- 0000000---
- Thence I run, continuing measurement from 23rd mile cor.
S. 75° 10' W.
Var. 10 1/2° E.
- 9.47 To an aspen, 12 ins. diam., marked NBWMIR 137, which I change to APNBWMIR 137 on S. face, BMFR on N. face.
Thence I run,
N. 75° 55' W.,
Var. 12° E.
- 17.97 Find a tree marked WMIR C C C X X X I V, which I destroy.
- 23.67 To a pine, 30 ins. diam., blazed but markings burned out, I remark APNBWMIR 138 on S. face, BMFR on N. face.
- September 24: At 12 noon, l. m. t., I set off 0° 19' S. on the decl. arc and observe the sun on the meridian; the resulting lat. is 34° 6' N.
Thence I run,
N. 85° 18' W.,
Var. 13° E.
Descending gradual slope, through dense pine and aspen timber.
- 36.17 Find a tree marked WMIR C C C X X X I I, which I destroy.
- 40.37 Find the 23 1/2 mile cor., which is a malpais stone, 24 x 26 x 8 ins., firmly set in the ground with mound of stone alongside, marked NBWMIR 23 1/2 M, which marking I destroy and mound of stone, and remark 23-1/2 M on E.,
NBWMIR on S.,
BMFR on N. face, and raise a mound of stone 3 ft base, 2 ft high, E. of cor. on line.

MOUNTAIN RESERVE BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

- 06.00 A pine tree, 24 ins. diam., brs. N. 80° W., 134
lks. dist., marked NBWMIR 23-1/2 MB T
- An aspen, 16 ins. diam., brs. S. 5° 40' W., 168
lks. dist., marked NBWMIR 23-1/2 MB T,
- An aspen 12 ins. diam., brs. S. 25° W., 212 lks.,
dist., marked NBWMIR 23-1/2 MB T.
- An aspen, 18 ins. diam., brs. S. 45° 30' E., 285 lks.
dist., marked NBWMIR, 23-1/2 MB T.
- Thence I run,
N. 80° 40' W.,
Var. 12° E.
- 49.47 Find a malpai boulder in place, 4 x 3 x 2 ft., out of
ground, which I mark A P NBWMIR 150 on S. face,
BMFR on N. face.
Thence I run,
N. 65° 30' W.,
Var. 15° E.
- 57.87 Ascend through dense aspen and pine timber.
Find a pine, 24 ins. diam., marked WMIR C C C X X X
NB 140, which marking I obliterate and remark
A P NBWMIR 150 on S. face, BMFR on N. face.
Thence I run,
S. 59° 28' W.,
Var. 15° E.
- 72.28 Find a pine, 30 ins. diam., marked WMIR C C C X X X I
NB 141, which marking I obliterate and remark
A P NBWMIR 141, on S. face, BMFR on N. face.
Thence I run,
N. 78° 35' W.,
Var. 15° E.,
- Leave timber, descend steep slope.
- 76.28 End of descent, thence across open flat level.
- 77.28 Trail brs. N. and S.
- 81.04 The 24th mile cor., which is a malpai stone, 18 x 16 x
12 ins., firmly set in the ground, with mound of
stone alongside, marked NBWMIR 24 M, which
marking I destroy and mound of stone, and remark
24 M on E. face,
NBWMIR on S. face,
BMFR on N. face, and raise a mound of stone,
3 ft. base, 2 ft. high, E. of cor. on line. Pits
impracticable. No trees available.
- Lad. mountainous.
Soil, stony, 2nd and 3rd rate.
Timber, pine and aspen, 70 chs.
Mts. or heavily timbered land, exceptionally difficult
to survey, 81.04 chs.
- Thence I run, continuing measurement from 24th mile cor.
N. 78° 20' W.,
Var. 12-1/2° E.
- Across open flat, no timber.
- 35.00 Enter dense pine timber.
- 39.80 Find a tree marked WMIR 320, which I destroy.
- 40.35 Find the 24-1/2 mile cor., which is a malpai stone, 18
x 10 x 12 ins., firmly set in the ground, with
mound of stone, alongside, marked NBWMIR 24-1/2
M, which mound and markings I obliterate and remark
24 1/2 M A P 142 on E. face,
NBWMIR on S. face,
BMFR on N. face, and raise a mound of stone,
3 ft. base, 2 ft. high, E. of cor. on line.
A pine, 24 ins. diam., brs. S. 10-1/2° W., 76 lks.
dist., marked NBWMIR 24-1/2 M A P 142 B T,
A pine, 24 ins. diam., brs. N. 57° E., 148 lks.
dist., marked NBWMIR 24 1/2 M A P 142 B T,

KOITALE RESERVE NORTH BOUNDARY WHITE MOUNTAIN HEADQUARTERS RESERVATION

chains.

At Anwaspen, 10 ins. diam., brs. S. 17 1/2° E., 250 lks. dist., marked N B W M I R 142 B T
At Avpine, 25 ins. diam., brs. N. 33° W., 111 lks. dist., marked N B W M I R 142 B T.

Thence I run, 12° 38' W. 1000 ft. to
I Var. 17° E. 1000 ft. to

Through dense pine timber, ascending a gradual slope.

55.85 Find a tree on line, marked W M I R C C C X X V I I, which I destroy.

64.57 Find a pine, 16 ins. diam., marked N B W M I R 143, which marking I change to A P N B W M I R 143 on S.W. face, B M F R on N. face.

Thence I run, N. 41° 41' W. 1000 ft. to
Var. 15° E. 1000 ft. to

Ascending along west slope of ridge.

73.02 Find a dead pine, 6 ins. diam., marked N B W M I R 144, which marking I change to A P N B W M I R 144, on S.W. face, B M F R on N. face, from which

A fir, 10 ins. diam., brs. N. 57 1/2° E. 33 lks. dist., marked A P 144 B T
A fir, 16 ins. diam., brs. S. 23° E. 20 lks. dist., marked A P 144 B T.

Thence I run, N. 15° 10' W. 1000 ft. to
I Var. 13° E. 1000 ft. to

Descending through dense pine and fir timber.

79.02 Find a tree on line, marked W M I R C C C X X V I I, which I destroy.

80.83 The 25th mile cor., which is a post, 4 x 3 ft. above ground, marked N B W M I R 25 M, which marking I destroy and remark

25 M on S. face, N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. on line.

An aspen, 3 ins. diam., brs. S. 42° W., 22 lks. dist., marked N B W M I R 25 M B T.

An aspen, 5 ins. diam., brs. S. 42° W., 10 lks. dist., marked N B W M I R 25 M B T.

An aspen, 4 ins. diam., brs. S. 45° W., 28 lks. dist., marked N B W M I R 25 M B T.

An aspen, 6 ins. diam., brs. N. 5° E. 32 lks. dist., marked N B W M I R 25 M B T.

Land mountainous, heavily timbered for a distance of 45 chs. Soil, stony; 2nd and 3rd rate. Timber, pine, fir, and aspen. Mts. or heavily timbered land ex. difficult to survey, 80.83 chs.

Thence I run, continuing measurement from 25th mile cor N. 15° 10' W. 1000 ft. to
Var. 14° E. 1000 ft. to

11.00 Find tree, marked W M I R C C C X X V I I, which I destroy.

40.00 The 25 1/2 mile cor., which is a malapa stone, 18 x 12 x 6 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 25 1/2 M, which marking I destroy and mound of stone, and remark 25 1/2 M on S. face,

N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. on line.

A pine, 24 ins. diam., brs. S. 73 1/4° W., 132 lks. dist., marked N B W M I R 25 1/2 M B T.

A dead pine, 30 ins. diam., brs. S. 48° W., 165 lks. dist., marked N B W M I R 25 1/2 M B T.

A pine, 24 ins. diam., brs. S. 49° W., 148 lks. dist., marked N B W M I R 25 1/2 M B T.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains 1 1 1 A pine, 12 ins. diam., brs. S. 28° W., 141 lks. dist, marked N B W M I R 25 1/2 M B T. Stopped work at 2 h.30 m.p.m., 1. m. t., on account of rain.

September 25, 1906: Could not work on account of rain.

September 26, 1906: at 7 a. m., 1. m. t., I set off 0°59' N. on the decl. arc and 34°6' N. on the lat. arc, and determine a true meridian at the 25 1/2 mile cor.

Thence I run, N 15° 18' W.,

Var. 14° E.,

Across flat country.

47.00 Find a tree marked W M I R 324, which I destroy.

61.26 Find a dead aspen on line, marked N B W M I R 145, which marking I change to A P N B W M I R 145, on W face, B M F R on E. face.

An aspen, 12 ins. diam., brs. West 12 lks dist.,

marked A P 145 B T.

An aspen, 8 ins. diam., brs. S 44° W., 14 lks,

dist, marked A P 145 B T.

Thence I run,

N 18° 54' W.,

Var. 13 1/2° E.

Ascending gentle slope, through dense pine and aspen timber.

68.76 Top of slope, begin gentle descent.

75.76 Find a pine tree, 30 ins. diam., marked N B W M I R 323

N B 146, which marking I obliterate and remark

A P N B W M I R 146 on W. face, B M F R on E. face.

Thence I run,

N. 13° 30' E.,

Var. 13 1/2° E.

80.00 To the 26 mile cor., which is a malapal stone, 18 x 6 x 8 ins., firmly set in the ground and marked N B W M I R 26 M, with mound of stone alongside.

I obliterate mound of stone, and marking and remark 26 M on S. face.

N B W M I R on W. face,

B M F R on E. face, and raise a mound of stone,

3 ft. base, 2 ft. high, S. of cor., from which

An aspen, 10. ins. diam., brs. N. 81 1/2° E., 60

lks dist. marked N B W M I R, 26 M B T

An aspen, 8 ins. diam., brs. S. 55° E., 77 lks

dist, marked N B W M I R, 26 M B T

An aspen, 10 ins. diam., brs. S. 42° E., 83 lks.

dist., marked N B W M I R, 26 M B T.

A fir tree, 18 ins. diam., brs. N 53° W., 19

lks dist. marked N B W M I R, 26 M B T.

Land, mountainous.

Soil, stony, 2nd and 3rd grade.

Timber, pine, aspen and fir.

Mountainous or heavily timbered land, exceptionally difficult to survey, 80.09 chs.

--000--

Thence I run, continuing measurement from 26th mile cor.

N. 20° 35' E.,

Var. 14 1/2° E.

13.80 A pipe tree, 24 ins. diam., marked S M I R 322 N B which I destroy.

16.86 To a pine tree, 18 ins. diam., marked N B W M I R 147, which I change to A P N B W M I R 147 on NW face,

B M F R on SE face.

From this cor. a lava stone, 10 x 12 x 12 ins. above ground, marked C C on east and I R on West, brs.

N. 51° 30' E., 6.00 chs. dist.

Thence I run,

N, 47° 45' E., Var. 10 1/2° E.

23.52 ascend gentle slope.

31.61 A pine tree, 16 ins. diam., marked N B W M I R 148.

ONTARIO RESERVE NORTH BOUNDARY VERDE MOUNTAIN INDIAN RESERVATION

Chains

- which marking I change to A P N B W M I R 148 on N. face, B M F R on S. face. Thence I run, N. 35° 25' E. Var. 12 1/2° E. Ascend steep slope.
- 34.61 Find a tree marked W M I R 381, which I destroy.
- 39.71 Find the 26 1/2 mile cor., which is a malapai stone 20 x 12 x 6 ins. firmly set in the ground, with mound of stone alongside, and marked B B W M I R, 26 1/2 M. I destroy mound of stone and marking and remark 26 1/2 M on S. W. N B W M I R on N. W. B. M. F. R. on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. W. of cor., from which

 - A pine, 12 ins. diam., brs. S. 55° E. 44' lks dist., marked B B W M I R, 26 1/2 M B T
 - A pine tree, 14 ins. diam., brs. S. 43° W., 90 lks, dist., marked B B W M I R 26 1/2 M B T,
 - A pine, 10 ins. diam., brs. S. 42° 20' E, 42 lks dist., marked B B W M I R, 26 1/2 M B T.
 - A pine, 16 ins. diam., brs. S. 40° E., 51 lks dist., marked B B W M I R 26 1/2 M B T

A lava stone, 12 x 10 x 8 ins., above ground, marked C C on S. and I R on N. faces, brs. S. 36° W., 5.89 chs dist. Thence I run, N. 32° 09' E. Var. 12-1/2° E. Ascending through dense pine and fir timber.
- 50.37 Find a pine, 12 ins. diam., marked B B W M F R 149, on which marking I change to A P N B W M F R 149 on W. face, B M F R on E. face. Thence I run, N. 44° W. Var. 12° E. Along top of ridge.
- 54.87 Find a tree marked W M I R 150, which I destroy.
- 63.52 Find a pine tree, 18 ins. diam., marked B B W M I R 150, which marking I change to read A P N B W M I R 150 on S. face, B M F R on N. face, from thence Closing corner of sec. 35 and 36 brs. S. 5° 40' E, 143 lks. dist. Thence I run, N. 56° 42' W. Var. 15° E. Descending.
- 68.25 Find an aspen, 6 ins. diam., marked B B W M I R 151, which marking I obliterate and remark A P N B W M I R 151 on S. face, B M F R on N. face, from which, An aspen, 3 ins. diam., brs. S. 57° E., 19 lks dist., marked A P 151 B T, An aspen, 3 ins. diam., brs. S. 40° E., 30 lks dist., marked A P 151 B T. Thence I run, N. 5° 45' W. Var. 14-1/2° E.
- 80.25 Find the 27th mile monument, which is a malapai stone, 18 x 16 x 12 ins., firmly set in the ground, with mound of stone alongside, marked B B W M I R 27 M. I obliterate mound and marking and remark 27 M on S. face. N B W M I R on N. face, B M F R on E. face, and raise a mound of stone, 3 ft base, 2 ft. high, S. of cor., from which

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- A pine, 24 ins. diam., brs. N: 12° W., 32 lks dist., marked N B W M I R 27 M B T,
 An aspen, 12 ins. diam., brs. S. 59-1/2° E., 105 lks dist., marked N B W M I R 27 M B T,
 An aspen, 10 ins. diam., brs. S. 32-1/2° E., 81 lks dist., marked N B W M I R 27 M B T,
 An aspen, 14 ins. diam., brs. S. 11-1/2° W., 98 lks dist., marked N B W M I R 27 M B T.
- Land, mountainous.
 Soil, stony; 2nd and 3rd rate.
 Timber, fir, aspen and pine.
 Mountainous or heavily timbered land, exceptionally difficult to survey, 80.25 chs.
- Thence I run, continuing measurement from 27th mile cor.
 N. 8° 52' W.,
 Var. 14° 35' E.,
 Ascending through dense pine and aspen timber.
- 16.60 Find a pine, 14 ins. diam., marked N B W M I R 152, which I destroy and remark A P N B W M I R 152 on SW face, B M F R on N. face.
 At this point Bald Mountain brs. S. 18° 50' E.
 Thence I run,
 S. 87° 30' W.,
 Var. 13° E.,
 Along top of ridge.
- 22.28 To a pine tree, 12 ins. diam., marked N B W M I R 153, which I change to A P N B W M I R 153 on S. face, B M F R on N. face.
 Thence I run,
 N. 47° 22' W.,
 Var. 12° E.,
 Descending along ridge.
- 27.95 To a dead fallen pine tree, marked N B W M I R 154. I destroy this marking and set a malapai stone, 40 x 24 x 18 ins., in a mound of stone, marked A P N B W M I R on SW face, B M F R on NE face, from which
 A pine, 10 ins. diam., brs. N. 21° 10' W., 49 lks dist., marked A P 154 B T,
 A pine, 12 ins. diam., brs. S. 65° 40' W., 46 lks dist., marked A P 154 B. T.
- Thence I run,
 N. 26° 26' W.,
 Var. 17° 15' E.
- 32.95 Find a tree dead and fallen, marked N B W M I R 317, which I destroy.
- 40.41 Find the 27-1/2 mile cor., which is a lava stone, 16 x 12 x 10 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 27-1/2 M. I destroy mound and markings and remark
 27-1/2 M on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone, 3 ft base, 2 ft high, S. E. of cor., from which
 A pine, 20 ins. diam., brs. S. 13° E., 57 lks. dist., marked N B W M I R 27-1/2 M B T,
 A pine, 20 ins. diam., brs. N. 85° E., 54 lks. dist., marked N B W M I R, 27-1/2 M B T,
 A pine, 16 ins. diam., brs. S. 77° W., 78 lks. dist., marked N B W M I R 27-1/2 M B T,
 A pine, 6 1/2 ins. diam., brs. S. 41° 35' W., 56 lks. dist., marked N B W M I R 27-1/2 M B T.
- From this cor. a lava stone, 18 x 18 x 10 ins., above ground, brs. N. 25° 37' W., 3.07 chs. dist., marked I R on S. and C C on N. face, from which
 A quaking aspen, 12 ins. diam., brs. N. 66° 30' W., 100 lks dist., marked T 9 N R 25 E S 26 B T,
 A quaking aspen, 10 ins. diam., brs. S. 75-1/2° E., 97 lks. dist., marked T 9 N R 25 E S 35 B T.

26+35

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.
 September 26: At noon, 11 m. etc., set off 1° 6' S.
 on the decl. and observe the sun at the meridian;
 the resulting lat. is 34° 8' N. I. ...
 Thence I run, ...
 N. 24° 20' W., ...
 Var. 14° 30' E. ...
 54.66 Find a pine, 18 ins. diam., marked N B W M I R 155, which
 I obliterate and remark A P N B W M I R 155, on S. face,
 B M F R on N. face.
 Thence I run, ...
 N. 43° W., ...
 Var. 10° E. ...
 Descending.
 72.31 Find a pine, 30 ins. diam., marked W M I R 315 N B 156,
 which marking I destroy and remark A P N B W M I R 156,
 on S. face, B M F R on N. face.
 Thence I run, ...
 N. 51° 47' W., ...
 Var. 15° E. ...
 Ascending.
 80.74 Find the 28 mile cor., which is a small pale stone, 18 x
 12 x 8 ins., firmly set in the ground, with mound of
 stone alongside, marked N B W M I R 28 M; which marking
 I destroy with mound of stone, and remark
 28 M on S. E. face,
 N B W M I R on S. W. face, and raise a mound of stone, 3 ft.
 high, 2 ft. high, S. E. of cor., from which
 a pine, 18 ins. diam., brs. 45° W., 6 lbs
 dist., marked N B W M I R 28 M B T;
 A pine, 12 ins. diam., brs. 45° W., 50 lbs.
 dist., marked N B W M I R 28 M B T;
 A pine, 18 ins. diam., brs. 75° E., 20 lbs.
 dist., marked N B W M I R 28 M B T;
 A pine, 24 ins. diam., brs. 22° E., 26 lbs.
 dist., marked N B W M I R 28 M B T;
 Land, mountains. Soil, stony, 2nd and 3rd rate.
 Timber, pine, fir and spruce. Mountainous or heavily timbered land, exceptionally difficult
 to survey, 80.74. ...
 --00--
 Thence I run, continuing measurement from 28th mile cor.
 N. 49° 50' W., ...
 Var. 15° E.
 0.78 To a pine, 18 ins. diam., marked N B W M I R 157, which
 marking I change to A P N B W M I R 157 on S. face,
 B M F R on N. face.
 Thence I run, ...
 S. 83° 05' W., ...
 Var. 15° E.
 Ascend along top of ridge.
 7.91 Find a pine tree, on line, 16 ins. diam., marked N B W
 M I R 158, which I change to A P N B W M I R 158 on S.
 face, B M F R on N. face.
 Thence I run, ...
 N. 35° W., ...
 Var. 15° E.
 Descend along ridge.
 32.84 A pine, 24 ins. diam., marked W M I R 313 N B 159, which
 marking I obliterate, and remark A P N B W M I R 159,
 on S. face, B M F R on N. face.
 Thence I run, ...
 N. 57° 31' W., ...
 Var. 15° E.
 Ascend along low ridge.

RESERVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- 40.76 Find the 28-1/2 mile cor., which is a malapai stone, 16 x 14 x 12 ins., firmly set in the ground, with mound of stone alongside, and marked N B W M I R 28-1/2 M. I destroy mound of stone and markings and remark 28 1/2 M on S. E. face, 160 A P, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft base, 2 ft. high, S. E. of cor, from which, A pine, 6-ins.-diam., brs. N. 61° W., 37 lks dist, marked N B W M I R 28 1/2 M B T A P 160, A pine, 8 ins. diam., brs. S. 5° W., 20 lks dist, marked N B W M I R 28 1/2 M B T A P 160, A pine, 18 ins. diam., brs. N. 83° W., 112 lks dist, marked N B W M I R 28 1/2 M B T A P 160, A pine, 16 ins. diam., brs. S. 40° W., 31 lks. dist., marked N B W M I R, 28 1/2 M B T A P 160.

From this cor. a malapai stone, 12 x 8 x 6 ins., above ground, marked C C on N. and E. on S. faces, brs N. 86° 10' W. 3.52 chs dist. No bearing trees found.

Thence I run, N. 81° 30' W., Var. 14° E.
- 50.89 To a dead pine, 24 ins. diam., marked W M I R 311 N B 161. I obliterate marking and remark A P N B W M I R 161 on S. face, B M F R on N. face.

Thence I run, S. 47° 49' W., Var. 14° E.
- 60.99 Find a pine tree, 16 ins. diam., marked W M I R 162, which marking I destroy and remark A P N B W M I R 162 on E. face, B M F R on W. face, from which, A small monument of stone, brs. S. 42° E., 32 lks. dist.

Thence I run, S. 30° 41' W., Var. 14° E.

Descending along S. slope of ridge.
- 67.39 Find a pine, 18 ins diam., marked N B W M I R 163, which marks I change to A P N B W M I R 163 on E. face, B M F R on W. face.

Thence I run, S. 21° 16' W., Var. 14° E.

Descending.
- 77.45 Find a pine, 18 ins. diam., marked N B W M I R 164, which marking I change to A P N B W M I R 164 on E. face, B M F R on W. face.

Thence I run, S. 29° 20' W., Var. 14° E.
- 81.94 To the 29th mile monument, which is a malapai stone, 18 x 10 x 8 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 29 M. I obliterate marking and mound of stone and remark 29 M on N. E. face, N B W M I R on S. E. face, B. M. F. R. on N. W. face, and raise a mound of stone, 3 ft base, 2 ft. high, N. E. of cor on line, from which

 - An aspen, 16 ins. diam., brs. N. 44° E., 97 lks. dist., marked N B W M I R 29 M B T,
 - An aspen, 18 ins. diam., brs. N. 7 1/2° W., 103 lks. dist., marked N B W M I R 29 M B T 0.

26-27

32 77
 19.92
 40 76
 10.13
 50 89
 10.10
 60 99
 67 39
 77 45
 81 94

MOITAN RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- 1. Indian aspen, 12 ins. diam., brs. N. $80^{\circ} 45' W.$, 84
 lbs. dist., marked N B W M I R 129 M B T,
 8. Abpine, 24 ins. diam., brs. South, 73 lks. dist.
 marked N B W M I R 29 M B T, N I -
- Land, mountainous.
 Soil, stony; 2nd and 3rd. rate. H. 2. no. 81
 Timber, pine, aspen, and fir. H. I M W
 Mountains or heavily timbered land, exceedingly difficult
 to survey, 81.94 cks. B. for.
- 10. Thence I run, continuing measurement from 29th mile cor.
 S. $41^{\circ} 42' W.$,
 Var. $16^{\circ} E.$ H. I M W
- 44.17 To a pine, 8 ins. diam., marked N B W M I R 165, which
 I change to A P N B W M I R 165, on S. face, B M F R
 on N. face.
 Thence I run,
 S. $22^{\circ} 30' W.$,
 Var. $15^{\circ} E.$
- 17.67 Trail brs. W. N. W. and E. S. E. W. $01^{\circ} 30' N.$
- 10.72 Tree marked W M I R 309, which I destroy.
- 12.81 Find a pine, 18 ins. diam., marked N B W M I R 166, which
 I change to A P N B W M I R 166 on N. face, B M F R
 on W. face.
 Thence I run,
 S. $7^{\circ} 10' E.$,
 Var. $16^{\circ} E.$
- Along south slope of ridge.
- 23.59 A pine, 12 ins. diam., marked N B W M I R 167, which
 I marking I obliterate and remark A P N B W M I R 167,
 on E. face, B M F R on W. face.
 Thence I run,
 S. $18^{\circ} 50' E.$,
 Var. $17^{\circ} E.$
- Ascending steep slope.
- 27.73 To a pine, 18 ins. diam., marked N B W M I R 168, which
 marking I change to A P N B W M I R 168 on E. face,
 B M F R on W. face.
 Thence I run,
 S. $64^{\circ} 30' W.$,
 Var. $17^{\circ} E.$
- Ascend steep slope, through dense pine and fir timber,
 and locuse undergrowth.
- 32.39 Find a dead pine, 30 ins. diam., marked W M I R 308 N B
 169, which markings I obliterate and mark
 A P N B W M I R 169 on E. face, B M F R on W.
 face, from whence
 A post, 4 ins. sq. 2 ft. above ground, brs. S.
 $28^{\circ} W.$, 33 lks. dist., marked P 9 N R 25 E S 27
 on N. W. face, T 9 N R 25 E S 33, on S. W. face.
 No trees available.
- Thence I run,
 S. $36^{\circ} 15' W.$,
 Var. $17^{\circ} E.$
- Ascending through dense aspen and locuse undergrowth.
- 34.60 To an aspen, 10 ins. diam., marked N B W M I R 170,
 which marking I change to A P N B W M I R 170, on E.
 face, B M F R on W. face.
 Thence I run,
 S. $15^{\circ} 55' W.$,
 Var. $16^{\circ} E.$
- 40.60 Top of ridge.
- 40.71 Find the 29 1/2 mile monument, which is a malapai stone,
 24 ins x 14 x 8 ins., firmly set in the ground, with
 mound of stone alongside. I obliterate mound and
 markings and remark
 29 1/2 M on N. E. face, A P 171.
 N B W M I R on S. E. face,
 B M F R on N. W. face, and

RESERVEY BENCH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

raise a mound of stone, 3 ft base, 2 ft. high, N. E. of cor. on line, from which;

A pine, 10 ins. diam., brs. East 54 lks. dist., marked N B W M I R 29 1/2 M B T A P 171,

A pine, 18 ins. diam., brs. S. 64° E., 88 lks. dist., marked N B W M I R 29 1/2 M B T A P 171.

A pine, 12 ins. diam., brs. S. 29° E., 100 lks. dist., marked N B W M I R 29 1/2 M B T A P 171,

A pine, 18 ins. diam., brs. S. 59° W., 46 lks. dist., marked N B W M I R 29 1/2 M B T A P 171.

A mound of stone, brs. S. 47° E., 40 1/2 lks. dist.

Thence I run,

S. 75° 05' W.,

Var. 15° E.

Descend along ridge.

48.68 Find pine, 12 ins. diam., marked N B W M I R 172, which I destroy and marking I change to A P N B W M I R 172, on S. face, B M F R on N. face.

Thence I run,

S. 22° 52' W.,

Var. 15° E.

51.59 Find a tree marked N B W M I R 308, which I destroy.

59.32 Find a pine 16 ins. diam., marked N B W M I R 173, which I destroy and marking I change to A P N B W M I R 173 on S. face, B M F R on N. face.

Thence I run,

S. 34° 49' W.,

Var. 15° E.

Descend.

70.52 Find a tree marked W M I R 307, which I destroy.

75.32 End of descent.

81.26 Find the 30th mile cor., which is a malapa boulder, 2 x 3 ft. projection, 1 1/2 ins. above ground, with mound of stone alongside, marked N B W M I R 30 M. I obliterate marking and mound of stone, and mark

30 M on N. E. face, N B W M I R 30 M on S. face, B M F R on N. W. face, and raise a mound of stone

3 ft base, 2 ft high, N. E. of cor., on line.

A pine, 16 ins. diam., brs. S. 80° E., 17 lks. dist., marked N B W M I R 30 M B T,

A pine, 15 ins. diam., brs. S. 55° E., 40 lks. dist., marked N B W M I R 30 M B T

A pine, 6 ins. diam., brs. S. 5° W., 30 lks. dist., marked N B W M I R 30 M B T,

A pine, 24 ins. diam., brs. S. 75° W., 45 lks. dist., marked N B W M I R 30 M B T.

Land mountainous.

Soil, stony; 2nd and 3rd rate.

Timber, pine, fir and aspen; undergrowth, locust and scrub pine.

Mountainous or heavily timbered land, or land covered with dense undergrowth, and exceedingly difficult to survey

81.26 obs. September 26, 1906.

September 27: At 7 h. a.m., l. m. t., I set off on S. on the decl. arc and 34° 08' N. on the lat. arc, and determine a true meridian with the solar at the 30th mile cor.

Thence I run continuing measurement from 30th mile cor.

S. 43° 05' W.,

Var. 14° E.

3.82 A pine, 18 ins. diam., marked N B W M I R 174, which marking I change to A P N B W M I R 174 on S. face, B M F R on N. face.

Thence I run,

N. 85° 45' W.,

Var. 15 1/2° E.

18.35 A pine, 16 ins. diam., marked N B W M I R 175, which

12.57

- Chains.
- .5 . . . marking I change to A P N B W M I R 175 on S. face and B M F R on N. face.
 - Thence I run, S. 18° 00' W., 181.762 37' W., S. M I R 175 on S. face, B M F R on N. face.
 - Var. 14° E.
 - Ascend to top of ridge.
 - 29.24 A pine, 12 ins. diam., marked N B W M I R 176, which marking I change to A P N B W M I R 176, on SE face, B M F R on N. face.
 - Thence I run, S. 0° 35' W., 2.30' W., S. M I R 176 on S. face, B M F R on N. face.
 - Var. 13° E.
 - Descend along ridge.
 - 28.45 Find a monument of stone, 60 lks to left of line, with post.
 - 29.32 A pine, 24 ins. diam., marked W M I R 305 N B 177, which marking I destroy and remark A P N B W M I R 177 on S face, B M F R on NE face.
 - At this point I enter another well blazed line.
 - Thence I run, S. 60° 40' W., 1.40' W., S. M I R 177 on S. face, B M F R on NE face.
 - Var. 140° E.
 - Descend along ridge.
 - 40.57 Find the 30 1/2 mile cor., which is a malapai stone, 18 x 16 x 12 ins., set in a mound of stone, and marked N B W M I R 30 1/2 M, with mound of stone alongside. I destroy mound of stone and marking and remark 30 1/2 M on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of corner line, from which
 - A pine, 8 ins. diam., brs. S. 26 1/2° W., 7 lks dist., marked N B W M I R 30 1/2 M B T.
 - A pine, 24 ins. diam., brs. S. 63° W., 29 lks dist., marked N B W M I R 30 1/2 M BOT.
 - A pine, 14 ins. diam., brs. S. 15 1/2° W., 20 lks dist., marked N B W M I R 30 1/2 M B.
 - A pine, 14 ins. diam., brs. S. 73° E., 1 lks. dist., marked N B W M I R 30 1/2 M B T.
 - At this cor. I run N. 85° 55' W., 0.55 chs. and search for the missing corner of fractional secs. 33 and 34, which I am unable to find.
 - Thence I run, N. 86° 28' W., 1.28' W., S. M I R 30 1/2 M B T.
 - Var. 13° E.
 - 42.94 A pine, 18 ins. diam., marked W M I R 304, which marking I destroy and remark A P N B W M I R 178, on S. face, B M F R on N. face.
 - Thence I run, N. 44° 32' W., 1.32' W., S. M I R 304 on S. face, B M F R on N. face.
 - Var. 13° E.
 - 43.44 Find a mound of stone on line.
 - Descend steep slope through dense pine and aspen timber.
 - 62.94 End of descent, begin gradual ascent.
 - 65.64 Find tree marked W M I R 303, which I destroy.
 - 67.33 Find a pine, 18 ins. diam., marked N B W M I R 179, which marking I change to A P N B W M I R 179, on S. face, B M F R on N. face.
 - Thence I run, N. 81° 30' W., 1.30' W., S. M I R 179 on S. face, B M F R on N. face.
 - Var. 15° E.
 - 69.90 To a pine, 16 ins. diam., marked N B W M I R 180, which marking I change to A P N B W M I R 180, on S. face, B M F R on N. face.
 - Thence I run, N. 48° 04' W., 1.04' W., S. M I R 180 on S. face, B M F R on N. face.
 - Var. 15° E.
 - 80.76 Find the 31st mile cor., which is a malapai stone, 18 x 12 x 10 ins., set in a mound of stone, marked N B W M I R 31 M. I obliterate markings and mound of stone and remark

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains.

31 M on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone,
 5 ft base, 2 ft. high, S. E. of cor. on line, from which
 A pine, 18 ins. diam., brs. S. 7° W., 48 lks.
 Dist. marked N B W M I R 31 M B T,
 A pine, 12 ins. diam. brs. S. 51° E., 62 lks.
 dist., marked N B W M I R 31 M B T.
 A pine, 16 ins. diam., brs. N. 25½° W., 39 lks
 dist., marked N B W M I R 31 M B T,
 A pine, 24 ins. diam., brs. N. 54½° W., 32 lks
 dist., marked N B W M I R 31 M B T.

Land, mountainous.
 Soil, stony; 2nd and 3rd rate.
 Timber, pine, fir and aspen.
 Mountainous or heavily timbered land, exceedingly diffi-
 cult to survey, 80.76 chs.

Thence I run, continuing measurement from 31st mile cor.
 N. 41° 15' W.,
 Var. 11° E.

5.77 Along top of low ridge.
 To a pine tree, 16 ins. diam., marked N B W M I R 181,
 which marking I change to A P N B W M I R 181, on S.
 face, B M F R on N. face.

Thence I run,
 N. 53° 45' W.,
 Var. 14° E.

9.34 To an aspen, 14 ins. diam., marked N B W M I R 182,
 which marking I change to A P N B W M I R 182, on
 S. face, B M F R on N. face.

Thence I run,
 N. 23° 14' W.,
 Var. 11° E.

16.14 Descend.
 Trail brs. N. and S.
 End of descent; begin ascent.

16.34 Trail brs. N. E. and S. W.
 21.30 Find an aspen, 6 ins. diam., marked N B W M I R 183,
 which marking I change to A P N B W M I R 183, on
 S. face, B M F R on N. face.

Thence I run,
 N. 72° 30' W.,
 Var. 10° E.

26.96 Ascend.
 A pine tree, 24 ins. diam., marked N B W M I R 184,
 which marking I change to A P N B W M I R 184, on
 S. face, B M F R on N. face.
 Find a dead pine tree, 12 ins. diam., close beside,
 marked N B W M I R 184, which I destroy.

Thence I run,
 N. 31° 23' E.,
 Var. 15° E.

38.08 Ascend steep slope.
 The 31½ mile cor., which is a malapai stone, 18 x 16
 x 12 ins., firmly set in the ground, with mound of
 stone alongside, marked N B W M I R, 31½ M. I destroy
 mound and markings, and remark, 31-½ M A P 185, on S. face.
 N B W M I R on W. face.

B M F R on E. face, and raise a mound of stone,
 3 ft base, 2 ft high, S. of cor., from which
 A pine, 18 ins. diam., brs. N. 21° 20' E., 82
 lks. dist., marked N B W M I R 31½ M B T
 A pine, 12 ins. diam. brs. N. 60° 45' E., 75 lks
 dist., marked N B W M I R 31½ M B T,
 A pine, 30 ins. diam., brs. S. 53½° W., 32 lks.
 dist., marked N B W M I R 31½ M B T,
 A pine, 24 ins. diam., brs. S. 85° E., 100 lks
 dist., marked N B W M I R 31½ M B T.

From this corner, the closing corner passes. 28 and 33,
 T 9 N R 25 E, brs. S. 10° W., 43 lks. dist. This is

44

BOOK 2070 RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

a malapai stone, 14 x 8 x 10 ins., above ground, marked C C on E. face, from which

A pine, 14 ins. diam., brs. N. 86° E., 79m lks dist., marked T 9 N R 25 E S 28 B T

A pine, 16 ins. diam., brs. S. 88° 45' E., 58 lks dist., marked T 9 N R 25 E S 33 B T

Thence I run, N. 12° 20' E.,

Var. 12° E.

Ascend along ridge.

A pine tree, 18 ins. diam., marked N B W M I R 186, which I change to A P N B W M I R 186, on W. face, B M F R on E. face.

Thence I run, N. 26° 37' W.,

Var. 513° E.

A pine 18 ins. diam., marked N B W M I R 187, which marking I change to A P N B W M I R on SW. face, B M F R on N. face.

Thence I run, N. 80° 33' W.,

Var. 14 1/2° E.

Descend along ridge.

A pine tree, 24 ins. diam., marked W M I R 300 N B 188, which marking I obliterate and remark A P N B W M I R 188 on S. face, B M F R on N. face.

Thence I run, N. 85° 40' W.,

Var. 13° E.

Descend along ridge.

To a pine tree, 24 ins. diam., marked N B W M I R 189, which marking I change to A P N B W M I R 189 on S. face, B M F R on N. face.

Thence I run, S. 82° 42' W.,

Var. 13 1/2° E.

Descend along ridge.

Find the 32 mile cor., which is a malapai stone, 18 x 18 x 10 ins., firmly set in the ground, with mound of stone alongside, marked N B W M I R 32 M, which marking I obliterate and mound of stone, and remark 32 M on E. face, N B W M I R on S. face, B M F R on N. face, and raise a mound of stone, 3 ft base, 2 ft. high, E. of cor., from which

A pine, 14 ins. diam., brs. N. 28° E., 16 lks dist., marked N B W M I R 32 M B T

A pine, 18 ins. diam., brs. N 104° W., 18 lks. dist., marked N B W M I R 32 M B T

A pine, 18 ins. diam., brs. S. 25° 45' W., 46 lks. dist., marked N B W M I R 32 M B T

A pine, 12 ins. diam., brs. S. 56° W., 69 lks. dist., marked N B W M I R 32 M B T

Land, mountainous.

Soil, stony, 1st and 3rd rate.

Timber, pine, fir and aspen.

Mountainous or heavily timbered land, exceptionally difficult to survey, 79.24 chs.

---oOo---

September 27: At 12 m., I set off 1° 29' S. on the decl arc, and observe the sun on the meridian; the resulting lat. 43° 34' 07" N.

From this 32 mile cor., a lava stone, 10 x 8 x 6 ins., brs. S. 88° 45' W., 2.31 chs. dist., marked I R on S. face, C C on N. face, from which

A pine, 10 ins. diam., brs. N. 22 1/2° W., 25 lks. dist., marked T 9 N R 25 E S 29 B T

A pine, 30 ins. diam., brs. N 55 1/2° E., 104 lks. dist., marked T 9 N R 25 E S 28 B T

Thence I run, continuing measurement from 32nd mile cor. S 82° 36' W.

Var. 13 1/2°

51.08
13.08

56.32

64.33

69.95

79.24

RECURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

- 8.30 Find a tree marked W M I R 299, which I destroy.
- 11.34 Find a pine, 30 ins. diam., marked N B W M I R 190, which marking I change to A P N B W M I R 190, on S. face, B M F R on N. face.
Thence I run,
S. 63 deg. 16' W,
Var. 14 deg. E.
- 15.88 Find a dead pine, marked N B W M I R 191, which marking I change to A P N B W M I R 191, on S. face, B M F R on N. face, from which
A pine, 10 ins. diam., brs. N. 22 deg. 45' W., 14 lks. dist., marked A P 191 B T,
A pine 8 ins. diam., brs. N. 43-1/2 deg. E. 33 lks. dist., marked A P 191 B T,
Thence I run,
S. 47 deg. 55' W.,
Var. 18 deg. E.
- 23.88 To a pine, 30 ins. diam., marked N B W M I R 192, which marking I change to A P N B W M I R 192, on S. face B M F R on N. face.
Thence I run,
S. 34 deg. W.,
Var. 14 deg. E.
- 29.78 Find a monument of stone to right of line, and tree marked W M I R 297, which I destroy.
- 33.88 Find a malapai stone, 18 x 10 x 12 ins., above ground, marked C C on W. face, I R on E. face, 42 lks. to right of line, from which
A pine, 24 ins. diam., brs. N. 47-1/2 deg. W., 76 lks. dist., marked T 9 N R 25 E S 29 B T,
A pine, 18 ins. diam., brs. S. 61-1/2 Deg. W., 106 lks. dist., marked T 9 N R 25 E S 32 B T.
- 40.37 Find the 32-1/2 mile cor., which is a malapai stone, 14 x 12 x 6 ins., above ground, with mound of stone alongside, marked N B W M I R 32-1/2 M. I obliterate markings and mound of stone, and remark 32-1/2 M A P 193 on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor., on line, from which
An aspen, 8 ins. diam., brs. S. 8 deg. 45' W., 20 lks. dist., marked N B W M I R 32-1/2 M B T,
A pine, 12 ins. diam., brs. S. 45 deg. E., 47 lks. dist., marked N B W M I R 32-1/2 M B T,
A pine, 12 ins. diam., brs. N. 79 deg. E., 42 lks. dist., marked N B W M I R 32-1/2 M B T,
A pine, 6 ins. diam., brs. S. 57 deg. E., 36 lks. dist., marked N B W M I R 32-1/2 M B T.
Thence I run,
S. 46 deg. 40' W.,
Var. 16-1/2 deg. E.?
- 49.17 Ascend along ridge.
To a pine, 30 ins. diam., marked N B W M I R 194, which marking I change to A P N B W M I R 194, on S. face, B M F R on N. face.
Thence I run,
S. 61 deg. W.,
Var. 19 deg. E.
- 54.07 Ascending along ridge.
Find a tree on line, marked W M I R 297, with mound of stone alongside, both of which I destroy.
- 57.07 A pine, 30 ins. diam., marked N B W M I R 195, which marking I change to A P N B W M I R 195 on S. face, B M F R on N. face.
Thence I run,
N. 42 deg. 35' W., Var. 19 deg. E.
Ascending along ridge.
- 63.69 To a pine tree, 24 ins. diam., marked W M I R 196, which marking I change to A P N B W M I R 196, on S. face B M F R on N. face.
Thence I run, S. 63 deg. 27' W., Var. 19 deg. E.
- 74.55 A pine tree 18 in. diam. marked N B W M I R 197, which marking I change to A P N B W M I R 197, on S. face B M F R on N. face.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

chains	
75.85 74.55 1.30	<p>Thence I run, N. 67 deg. W., Var. 15 deg. E. A tree, dead and fallen, marked W M I R 296, with mound of stone alongside. I obliterate markings and mound of stone.</p>
81.80 75.85 5.95	<p>Thence along top of ridge. The 33rd mile cor., which is a malapai stone, 18 x 16 x 12 ins., above ground, firmly set in the ground, with mound of stone alongside, and marked N B W M I R 33 M. I obliterate markings and mound of stone, Remarks: S. E. face, 33 M on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., from which A pine, 15 ins. diam., brs. N. 25 deg. E., 41 lks. dist., marked N B W M I R 33 M B T, A pine, 10 ins. diam., brs. S. 50 deg. W., 27 lks. dist., marked N B W M I R 33 M B T, A pine, 14 ins. diam., brs. S. 3 deg. 50' W., 82 lks. dist., marked N B W M I R 33 M B T, A pine, 10 ins. diam., brs. N. 88 deg. E., 30 lks. dist., marked N B W M I R 33 M B T,</p>
	<p>Land, mountainous. Soil, stony; 2nd and 3rd rate. Timber, pine, fir, and aspen. Mountainous or heavily timbered land, exceptionally difficult to survey, 81:80 chs. ---oOo---</p>
	<p>Thence I run, continuing measurements from 33rd mile cor. N. 66 deg. 07' W., Var. 15 deg. E.,</p>
15.00	<p>Descending along top of high ridge. Find a dead pine tree on line, marked W M I R 295 N B 198, which marking I obliterate and remark A P N B W M I R 198 on S. face, B M F R on N. face, from which A mound of stone, brs. S. 50 deg. E., 23 lks. dist. which I mark A P 198 B O, A pine tree, 30 ins. diam., brs. S. 35 deg. E., 89 lks. dist., marked A P 198 B T, A pine tree, 24 ins. diam., brs. S. 6 deg. E. 89 lks. dist., marked A P 198 B T, A malapai stone 12 x 12 x 8 ins.; above ground, brs. S. 89 deg. 20' W., 3.45 chs. dist., from which A pine, 10 ins. diam., brs. N. 22 deg. W., 75 lks. dist., marked T 9 N R 25 E S 31 B T, A pine, 24 ins. diam., brs. N. 35 deg. E., 124 lks. dist., marked T 9 N R 25 E S 32 B T.</p>
24.29 9.29	<p>Thence I run, S. 87 deg. 08' W., Var. 14 deg. E. Find a pine, 6 ins. diam.; marked N B W M I R 199 which marking I change to A P N B W M I R 199 on S. face, B M F R on N. face.</p>
41.02 24.29 16.73	<p>Thence I run, S. 21 deg. 55' W., Var. 14 deg. 10' E. Descending steep slope. To the 33-1/2 mile cor., which is a malapai stone, 16 x 12 x 10 ins., set in a mound of stone with mound of stone alongside, marked N B W M I R 33-1/2M. I obliterate marks and mound of stone and remark 33-1/2 M on N. face, N B W M I R on E. face, B M F R on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor., from which A pine, 6 ins. diam., brs. N. 32 deg. E. 32 lks. dist., marked N B W M I R 33-1/2 M B T, A pine, 12 ins. diam., brs. N. 42 deg. W., 45 lks. dist., marked N B W M I R 33-1/2 M B T.</p>

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

chains

A pine tree 8 ins. diam., brs. West 50 lks. dist., marked N B W M I R 33-1/2 M B T,
 A pine tree, 16 ins. diam., brs. S. 29 deg. E., 51 lks. dist., marked N B W M I R 33-1/2 M B T,
 Thence I run,
 S. 22 deg. 25' W.,
 Var. 14-1/4 deg. E.

45.62 Trail brs. N. W. and S. E.

50.08 An aspen on line, 12 ins. diam., marked N B W M I R 200, which marks I change to A P N B W M I R 200, on S. face, B M F R on NW. face.
 Thence I run,
 N. 86 deg. 20' W.,
 Var. 14 deg. E.

59.08 Find a dead and uprooted tree. I raise a mound of stone about a malapai stone, 24 x 18 x 12 ins., and mark it A P N B W M I R 201, on S. face, B M F R on N. face, from which
 A pine, 18 ins. diam., brs. S. 26 lks. dist., marked A P 201 B T,
 A pine, 18 ins. diam., brs. S. 71 deg. W., 19 lks. dist. marked A P 201 B T.
 Thence I run,
 N. 58 deg. 30' W.,
 Var. 16 deg. E.

66.65 Find a pine, 12 ins. diam. marked N B W M I R 202, which I change to A P N B W M I R 202, on S. face, B M F R on N. face,
 Thence I run,
 N. 36 deg. 15' W.,
 Var. 14 deg. E.

73.92 A pine on line, 14 ins. diam., marked N B W M I R 203 which I change to A P N B W M I R 203 on S. face, B M F R on N. face.
 Thence I run,
 S. 70 deg. W.,
 Var. 15 deg. E.

80.06 A pine on line, 12 ins. diam., marked N B W M I R 204, which marks I change to A P N B W M I R 204, on S. face, B M F R on N. face.
 Thence I run,
 S. 49 deg. W., Var. 15 deg. E.

81.75 To the 34th mile cor., which is a malapai stone, 12 x 10 x 6 ins., above ground, with mound of stone alongside, marked N B W M I R 34 M. I obliterate markings and mound of stone, and remark 34 M A P 205 on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. bast, 2 ft. high, N. E. of cor., from which
 An aspen 6 ins. diam., brs, S. 53 deg. E. 25 lks. dist., marked N B W M I R 34 M B T,
 A pine tree, 10 ins. diam., brs. S. 8 deg. W., 40 lks. dist., marked N B W M I R 34 M B T,
 An aspen, 14 ins. diam., brs. N. 12-1/2 deg. W., 45 lks. dist., marked N B W M I R 34 M B T,
 A pine tree, 18 ins. diam., brs. S. 41 deg. W., 56 lks. dist., marked N B W M I R 34 M B T.

Land, mountainous.
 Soil, stony; 2nd and 3rd rate.
 Timber, pine and aspen.
 Mountainous or heavily timbered land, exceptionally difficult to survey, 81.75 chs.

September 27, 1906.

chains

September 28: At 7 a.m., l.m.t., I set off 1° 46' S. on the decl. arc, and 34 deg. 08' N. on the lat. arc and determine a true meridian with the solar at the 34th mile cor. Thence I run, continuing measurements from 34th mile cor.
S. 80 deg. 30' W.,
Var. 14 deg. E.

Ascending.

18.00
20.68

Top of ridge.
A pine on line, 10 ins. diam., marked N B W M I R 206, which marks I change to A P N B W M I R 206 on SE. face, B M F R on N. face.
Top of Pierce Springs Mountain brs. N., 10 chs.
A large pine tree, brs. N. 35 deg. 45' E., marked W M I R 294, which marks I destroy.
Thence I run,
S. 7° 49' W.,
Var. 13 1/2° E.

Descending.

32.18

Draw, course East.
Ascend.

39.76

Find the 34-1/2 mile cor., which is a malapai stone, 24 x 18 x 12 ins., set in mound of stone, marked N B W M I R 34-1/2 M, which marking I destroy and remark
34-1/2 M A P 207, on N. face,
N B W M I R on E. face,
B M F R on W. face, and raise a mound of stone, 3 ft. base, 2 ft. hgh, N. of cor., from which
A pine 18 ins. diam., brs. S. 12 deg. E., 24 lks. dist., marked N B W M I R 34-1/2 M B T,
A pine, 8 ins. diam. brs. S. 37 deg. E., 34 lks. dist., marked N B W M I R 34-1/2 M B T,
A pine, 15 ins. diam., brs. S. 74 deg. E., 73 lks. dist., marked N B W M I R 34-1/2 M B T
An aspen, 5 ins. diam., brs. S. 68 deg. W., 26 lks. Dist., marked N B W M I R 34-1/2 M B T

A dead pine tree, marked W M I R 293, brs. N. 64 deg. W., 57 lks. dist., with large mound of stone alongside. I obliterate marks and mound of stone.

Thence I run,
S. 21 deg. 51' E.,
Var. 13-1/2 deg. E.

Descending.

54.45

Find a pine, 24 ins. diam., marked N B W M I R 208, which marks I change to A P N B W M I R 208, on S. face, B M F R on NW face.

From this point a large stne mound, brs. S. 15 deg. W., 5 chg. dist.

Thence I run,
S. 52 deg. 30' W.,
Var. 14 deg. E.

58.32

A pine tree on line, 16 ins. diam., marked N B W M I R 209, which marks I change to A P N B W M I R 209, on S. face, B M F R on N. face.

Thence I run,
N. 71 deg. 30' W.,
Var. 13-1/2 deg. E.

66.66

A pine tree, 8 ins. diam., marked N B W M I R 210, which marks I change to A P N B W M I R 210, on S. face, B M F R on N. face.

Thence I run,
S. 48 deg. W.,
Var. 14 deg. E.

78.36

A monument of stone, on line with tree marked W M I R 291, which I destroy.

RESERVE NORTH ARIZONA QUADRANT WHITE MOUNTAIN INDIAN RESERVATION.

- Chains. 80.97 The 35 mile cor., which is a malapaistone, 15 x 10 x 12 ins., above ground, with mound of stone along side, and marked N B W M I R 35 M. I obliterate marking and mound of stone and remark
 14.31 35 M A P 211 on N. face,
 H 1 N B W M I R on N. face, and
 22 B M F R on N. face, and
 04 W 28 A pine tree, 12 ins. diam., brs. N. 85° E. 89
 88 W 28 A pine tree, 18 ins. diam., brs. N. 24° E., 25 lks. dist. marked N B W M I R 35 M B T.
 28 A pine tree, 18 ins. diam., brs. S. 75° 45' W., 13 lks. dist., marked N B W M I R 35 M B T.
 28 A pine tree, 12 ins. diam., brs. S. 53° E., 62 lks. dist., marked N B W M I R 35 M B T.
 17 A malapaistone, 25 x 15 x 12 ins., above ground, marked N B W M I R on the N. and I R on the S. face, brs. N. 49° E. 1.70 lks. dist., tree which
 28 A pine, 6 ins. diam., brs. N. 14° E., 30 lks. dist., I find marked T. U. N. E. 28° E. S. 31 B T.
 28 A pine, 8 ins. diam., brs. N. 50° W., 83 lks. dist., marked T. U. N. E. 28° E. S. 31 B T.
 28 Land, mount. timber, soil, history, 2nd and 3rd rates. Timber, pine and aspen. Mountainous or heavily timbered land, exceptionally difficult to survey, 80.97 chs.
 28 Thence I run, continuing measurement from 35th mile cor. S. 138° W., Var. 13° E.
 13.80 Descend. A pine tree, 18 ins. diam., marked W N B W M I R 212, which marks I change to A P. N. B. W. M. I. R. 212, on S. face, B M F R on N. face.
 23.04 Thence I run, N. 70° 25' W., Var. 13° E. Descending. A pine tree on line, 24 ins. diam., marked W M I R 290 N B 213, which marking I obliterate and remark A B N B W M I R 213 on S. face, B M F R on N. face. Thence I run, S. 62° 52' W., Var. 14° E.
 32.74 A pine tree, 18 ins. diam., marked N B W M I R 214, which marks I change to A P. N. B. W. M. I. R. 214, on S. face, & A B M F R on N. face. Thence I run, S. 50° W., Var. 14° E.
 40.99 The 35 mile cor., which is a malapaistone 24 x 18 x 8 ins., set in a mound of stone, with mound of stone alongside, marked N B W M I R 35 M. I obliterate mound of stone and marking and remark 35 M on N. E. face, N B W M I R on N. face, and B M F R on N. W. face, and raise a mound of stone, 2 ft high, 3 ft base, N. E. of cor. on line from which A pine tree, 12 ins. diam., brs. East 23 lks. dist., marked N B W M I R 35 M B T.
 A pine tree, 24 ins. diam., brs. S. 20° W., 42 lks. dist. marked N B W M I R 35 M B T.
 A pine tree, 10 ins. diam., brs. S. 25° W., 33 lks. dist., marked N B W M I R 35 M B T.
 A pine tree, 18 ins. diam., brs. N. 20° W., 18 lks. dist., marked N B W M I R 35 M B T.

SURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- Thence I run, $89^{\circ} 59' 17''$ W.,
Var. 14° E.
- 22.30 Descend.
Braid Bra. N. W. and S. E.
End of descent, begin ascent.
- 29.71 Head of draw, course N. W.
A dead pine, marked W. M. I. R. 286 N. E. 219, which marks
I obliterate, and remark A. P. N. B. W. M. I. R. 219 on S face,
B. M. F. R. on N. face, from which
A pine tree, 16 ins. diam., bra. N. 76° W., 52
lks dist., marked A. P. 219 B. T.,
A pine tree, 5 ins. diam., bra. N. $37\frac{1}{2}^{\circ}$ W. 56
lks dist., marked A. P. 219 B. T.,
A stone monument, with post, bra. S. 77° E. 44
lks dist., marked A. P. 219 B. O.
- Thence I run
N. $56^{\circ} 25'$ W.,
Var. 13° E.
- 38.21 Descend.
A pine tree on line, 16 ins. diam., marked N. B. W. M. I. R.
220, which I change to A. P. N. B. W. M. I. R. 220 on S face,
B. M. F. R. on N. face.
- Thence I run
N. 88° W.,
Var. $13\frac{1}{2}^{\circ}$ E.
- 40.87 The 36 $\frac{1}{2}$ mile cor., which is a malapa stone 10 x 8
x 6 ins., above ground, with mound of stone alongside,
marked N. B. W. M. I. R. 36 $\frac{1}{2}$ M. I obliterate mound of stone
and markings, and remark
36 $\frac{1}{2}$ M on E. face,
N. B. W. M. I. R. on S.,
B. M. F. R. on N. face, and raise a mound of stone, 3 ft
base, 2 ft high, E. of cor., on line.
A pine, 24 ins. diam., bra. S. 70° W., 13 lks
dist., marked N. B. W. M. I. R. 36 $\frac{1}{2}$ M B. T.,
A pine, 24 ins. diam., bra. S. $51\frac{1}{2}^{\circ}$ W. 44 lks
dist., marked N. B. W. M. I. R. 36 $\frac{1}{2}$ M B. T.,
A pine, 18 ins., diam., bra. S. $55\frac{1}{2}^{\circ}$ W., 23
lks dist., marked N. B. W. M. I. R. 36 $\frac{1}{2}$ M B. T.
A pine, 18 ins. diam., bra. South, 27 lks dist.
marked N. B. W. M. I. R. 36 $\frac{1}{2}$ M B. T.
- Thence I run
N. $81^{\circ} 15'$ W.,
Var. $13^{\circ} 10'$ E.
- 44.27 A pine tree, on line, 24 ins. diam., marked W. M. I. R. 285,
which marks I destroy and remark A. P. N. B. W. M. I. R. 221 on
S face, B. M. F. R. on N. face.
- September 29: At noon 1.9m. to, erect a $52'$ S. on
the decl. arc. and observe the sun on the meridian; the
resulting lat. is $34^{\circ} 06'$ N., at the 221 angle point.
- Thence I run,
N. $87^{\circ} 10'$ W.,
Var. $13^{\circ} 55'$ E.
- 63.36 A pine tree 14 ins. diam., marked N. B. W. M. I. R. 222, which
marks I change to A. P. N. B. W. M. I. R. 222 on S face,
B. M. F. R. on N. face.
- Thence I run,
N. $84^{\circ} 33'$ W.,
Var. 14° E.
- 65.36 A tree on line, marked W. M. I. R. 286, which I destroy.
- 65.88 Enter open flat, 8.00 chs. wide.
- 73.36 Enter timber.

WOLLAWONG MOUNTAINS NATIONAL PARK WHITE MOUNTAIN LIGNITE RESERVATION

Chains.

- Thence I run, N. 61° 55' W, Var. 18° E.
- 44.87 Fort Apache and St. Johns roads, E. and W. A 3.00
- 45.17 Trees marked W M I R on both sides, which marking I obliterate.
- 47.87 A pine tree, on line, 24 ins. diam., marked W M I R 278 N B 231, which markings I obliterate and remark A P N B W M I R 231, on S. face, B M R on N. face.
- Thence I run, N. 51° 51' W, Var. 13° 14' E.
- Ascend.
- 49.47 Main traveled road from Fort Apache to St. Johns bridge & S
- 66.90 A pine tree, 24 ins. diam., marked W M I R 232, which I change to A P N B W M I R 232 on S. face, B M R on N. face
- Thence I run, S. 67° 40' W, Var. 15° E.
- 72.90 A pine tree, 18 ins. diam., marked W M I R 233, which I change to A P N B W M I R 233 on S. face, B M R on N. face.
- OB M.P. sign, has face on S. side of pine tree
- This is 113 in the center of the hole, 10 chs. wide
- Thence I run, S. 67° 40' W, Var. 15° E.
- 78.75 An old pine tree, 24 ins. diam., marked W M I R 234, which I change to A P N B W M I R 234, on S. face, B M R on N. face.
- Thence I run, S. 51° 10' W, Var. 15° E.
- 82.41 To the 39th mile cor., which is 8 x 12 ins. above ground, with mound of stone alongside, marked N B W M I R 39 M. I obliterate markings and mound of stone and remark A P N B W M I R 39 M on N. E. face, B M R on S. E. face.
- 3 ft base, 2 ft. high, with mound of stone 3 ft. diam., 2 ft. high, on which
- A pine tree, 30 ins. diam., 26 lks. dist., marked W M I R 39 M B T
- A pine tree, 24 ins. diam., 12 lks. dist., marked W M I R 39 M B T
- A pine tree 20 ins. diam., 9 lks. dist., marked W M I R 39 M B T
- Land high, with mounds of stone, 12 x 12 x 12 in. size, marked W M I R 39 M B T
- Timber, pine, spruce and cedar, on mountainous or heavily timbered ridge, exceptionally difficult to survey.
- 81 Thence I run, continuing from 39th mile cor.
- 83 A pine tree, 18 ins. diam., marked W M I R 39 M B T
- 87 A pine tree, 24 ins. diam., marked W M I R 39 M B T, which I change to A P N B W M I R 233 on S. face, B M R on N. face.
- Thence I run, S. 51° 10' W, Var. 15° E.
- 20.17 Mound of stone on line, 8 x 8 x 8 in. size, with high point, which I change to A P N B W M I R 233 on S. face, B M R on N. face.

20.17 Mound of stone on line, 8 x 8 x 8 in. size, with high point, which I change to A P N B W M I R 233 on S. face, B M R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- Chains.
- 28.02 A pine tree, 20 ins. diam., marked N B W M I R 236, which I change to A P N B W M I R 236 on E. face, B M F R on W. face.
Thence I run,
S. 37° 30' W.,
Var. 13½° E.
Descending ridge.
- 37.84 A pine tree on line, 24 ins. diam., marked N B W M I R 237, which I change to A P N B W M I R 237 on S. face, B M F R on N. face.
Thence I run,
S. 35° W.,
Var. 15° E.,
Descend.
- 40.53 To the 39½ mile cor., which is a malapai stone, 16 x 12 x 10 ins., set in a mound of stone, and marked N B W M I R 39½ M. I obliterate marking and remark 39½ M on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft base, 2 ft. high, N. E. of cor., on line,
A pine tree, 18 ins. diam., brs. S. 15° W., 27 lks. dist., marked N B W M I R 39½ M B T.
A pine, 24 ins. diam., brs. N. 65° E., 84 lks. dist., marked N B W M I R 39½ M B T.
A pine tree, 30 ins. diam., brs. N. 9½° E., 88 lks. dist., marked N B W M I R 39½ M B T.
An oak tree, 6 ins. diam., brs. N. 47° W., 83 lks. dist., marked N B W M I R 39½ M B T.
Thence I run,
S. 56° 47' W.,
Var. 14° E.
Descend along ridge.
- 44.85 A pine tree on line, 20 ins. diam., marked N B W M I R 238, which I change to A P N B W M I R 238 on S. face, B M F R on N. face.
Thence I run,
S. 70° 50' W.,
Var. 14° E.
- 58.23 A pine tree, 24 ins. diam., marked N B W M I R 239, which I change to A P N B W M I R 239 on S. face, B M F R on N. face.
Thence I run,
S. 55° W., Var. 7° E.
- 62.06 A tree on line, marked W M I R 274, which I destroy.
- 75.71 A pine tree on line, 30 ins. diam., marked N B W M I R 240, which I change to A P N B W M I R 240 on S. face, B M F R on N. face.
Thence I run,
S. 39° 10' W.,
Var. 13° E.
- 81.12 To the 40th mile cor., which is a malapai stone, 12 x 12 x 12 ins., above ground, with mound of stone alongside marked N B W M I R 40. I obliterate markings and mound of stone, and remark 40 M on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft base, 2 ft high, N. E. of cor., on line.
A pine tree, 20 ins. diam., brs. N. 34½° W., 44 lks., dist. marked N B W M I R 40 M B T.
A pine tree, 15 ins. diam., brs. N. 46½° E., 166 lks. dist., marked N B W M I R 40 M B T.
A pine, 18 ins. diam., brs. S. 42½° E., 42 lks. dist., marked N B W M I R 40 M B T.
A pine tree, 18 ins. diam., brs. N. 81° W., 57 lks. dist., marked N B W M I R 40 M B T.
- Land Mountainous.
Timber, pine and ash; undergrowth, scrub oak and locust.
Soil, stony; 2nd and 3rd rate.
Mountainous or heavily timbered land, 81.12 chs. Escarp-

HOE... NORTH BOUNDARY... MOUNTAIN... BOUNDARY

Chains.

- tionally difficult to survey, 81.12 chs. A 20.18
- Thence I run, continuing measurement from 40th mile cor. S. 35° 57' W., Var. 14½° E.
- 4.20 Tree marked W M I R 272, which I destroy.
- 11.51 A pine tree, 18 ins. diam., marked N B W M I R 241, which marking I change to A P N B W M I R 241, on S. face, B M F R on N. face.
- Thence I run, S. 20° 55' W., Var. 17° E.
- 20.79 A dead pine tree, 12 ins. diam., marked N B W M I R 242, which I change to A P N B W M I R 242, on S. face, B M F R on N. face.
- A pine, 10 ins. diam., brs. N. 86° W., 14 lks. dist., marked A P 242 B F R I
- A pine tree, 15 ins. diam., brs. S. 50° E., 26 lks. dist., marked A P 242 B T
- Thence I run, S. 57° 13' W., Var. 13½° E.
- 41.03 The 40th mile cor., which is a malapa stone, 16 x 18 x 12 ins. above ground, with mound of stone alongside, marked N B W M I R 40th M. I obliterate marks and mound of stone, and remark 40th M on N. face, B M F R on N. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor., on line.
- A pine, 30 ins. diam., brs. South, 29 lks. dist., marked N B W M I R 40th M B T
- A pine tree, 12 ins. diam., brs. N. 86° W., 44 lks. dist., marked N B W M I R 40th M B T
- A pine tree, 12 ins. diam., brs. N. 73½° W., 38 lks. dist., marked N B W M I R 40th M B T
- A pine tree, 10 ins. diam., brs. S. 44° E., 56 lks. dist., marked N B W M I R 40th M B T
- Thence I run, S. 59° W., Var. 13½° E.
- At this point, Ft. Apache and St. Johns Road is 4.00 chs. south of line, running parallel thereto.
- 46.62 A pine tree on line, 18 ins. diam., marked N B W M I R 243, which I change to A P N B W M I R 243 on S. face, B M F R on N. face.
- Thence I run, S. 84° 55' W., Var. 13° E.
- 58.62 A pine tree, 24 ins. diam., marked N B W M I R 244, which I change to A P N B W M I R 244, on S. face, B M F R on N. face.
- Thence I run, S. 74° 05' W., Var. 14° E.
- 67.90 A pine tree, on line, 12 ins. diam., marked N B W M I R 245, which I change to A P N B W M I R 245 on S. face, B M F R on N. face.
- Thence I run, S. 90° 45' W., Var. 13° E.
- 73.90 A pine tree, on line, 24 ins. diam., marked N B W M I R 246, which I change to A P N B W M I R 246 on S. face, B M F R on N. face.
- 75.00 Mound of stone on line.
- Thence I run, S. 95° 35' W., Var. 14° E.
- 81.90 To the 41st mile cor., which is a malapa stone, 18 x 16 x 12 ins., above ground, with mound of stone alongside, marked N B W M I R 41 M. I obliterate marking

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Chains.

- and mound of stone, and remark,
41 M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone
3 ft base, 2 ft high, E. of cor., on line.
An oak tree, 18 ins. diam., brs. S. 85° W.,
8 lks. dist., marked N B W M I R 41 M B T,
An oak tree, 12 ins. diam., brs. S. 47° 45' W.,
26 lks. dist., marked N B W M I R 41 M B T,
A pine tree, 40 ins. diam., brs. N. 48° W., 40
lks. dist., marked N B W M I R 41 M B T,
A pine tree, 30 ins. diam., brs. N. 32° W.,
51 lks. dist., marked N B W M I R 41 M B T.
- Land, high, rolling mesa, heavily timbered.
Soil, stony; 2nd and 3rd rate.
Timber, pine and oak.
High rolling mesa, heavily timbered, exceptionally difficult to survey, 81.90 chs.
- Thence I run, continuing measurement from 41st mile cor.
S. 74° 14' W.,
Var. 15° E.
- 13.30 A mound of stone on line, with tree marked W M I R 269,
which I destroy.
- 21.22 A pine tree, 15 ins. diam., marked N B W M I R 247, which
I change to A P N B W M I R 247, on S. face, B M F R
on N. face.
Thence I run,
S. 85° 18' W.,
Var. 15° E.
- Descend.
- 33.32 A pine tree, 36 ins. diam. marked W M I R 268 N B 248,
which markings I obliterate and remark A P N B W M I R
248 on S. face, B M F R on N. face.
Thence I run,
N. 88° 38' W.,
Var. 14° E.
- 40.85 The 41½ mile cor., which is a malapai stone, 16 x 8 x
8 ins., above ground, with mound of stone alongside,
marked N B W M I R 41½ M. I obliterate markings and mound
of stone, and remark
41½ M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone,
3 ft base, 2 ft high, E. of cor., on line.
A pine, 12 ins. diam., brs. N. 57° 1/4° E., 14
lks. dist., marked N B W M I R 41½ M B T
A pine tree, 12 ins. diam., brs. S. 60° E., 25
lks. dist., marked N B W M I R 41½ M B T,
A pine tree, 12 ins. diam., brs. N. 57° W.,
27 lks. dist., marked N B W M I R 41½ M B T,
An oak tree, 5 ins. diam., brs. N. 86° W., 49
lks. dist., marked N B W M I R 41½ M B T.
- September 29: At noon, l.m.t., I set off 2° 16' S. on
the decl arc, and observe the sun on the meridian, the
resulting lat. is 34° 6' N.
Thence I run,
N. 88° 138' W.,
Var. 12° E.
- 47.68 Pine tree, 18 ins. diam., on line, marked N B W M I R
249, which I change to A P N B W M I R 249 on S. face,
B M F R on N. face.
Thence I run,
N. 78° W.,
Var. 13° E.
- 60.00 A pine tree, 12 ins. diam., on line, marked N B W M I R
250, which marking I change to A P N B W M I R 250 on
S face, B M F R on N. face.
From this cor., a large mound of stone brs. S. 38° E.,
70 lks. dist., and a tree, marked W M I R 267. I destroy
these.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains. Thence I run,
 N. 51° 45' W.,
 Var. 12° E.

70.19 A pine tree, 15 ins. diam., on line, marked N B W M I R,
 251, which marking I change to A P N B W M I R 251 on
 S. face, B M F R on N. face.

Thence I run,
 S. 60° 35' W.,
 Var. 13° E.

75.18 A pine tree on line, 14 ins. diam., marked N B W M I R 252.
 I change these marks to A P N B W M I R 252, on S. face,
 B M F R on N. face.

Thence I run,
 N. 86° W., Var. 11° E.,

81.78 To the 42 mile cor., which is a malapai stone, 10 x 14
 x 12 ins., above ground, with mound of stone alongside,
 and marked N. B W M I R 42 M. I obliterate marks and
 mound of stone and remark 42 M 53 A P on E. face.
 N B W M I R on S. face,
 B M F R on N. face, and raise a mound of stone 3 ft
 base, 2 ft high, E. of cor. on line,
 A pine tree, 30 ins. diam., brs. S. 79° W., 27
 lks. dist., marked N B W M I R 42 M B A T.
 A pine tree, 24 ins. diam., brs. S. 5° 45' W.,
 63 lks. dist., marked N B W M I R 42 M A B T.
 A pine tree, 24 ins. diam., brs. N. 72 1/4° E.,
 100 lks. dist., marked N B W M I R 42 M B T.
 A pine tree, 12 ins. diam., brs. S. 16° W., 70
 lks. dist., marked N B W M I R 42 M B T.

Land, high rolling mesa.
 Soil, stony; 2nd and 3rd rate.
 Timber, pine and oak.

Rolling mesa or heavily timbered land, 31.78 chs.

Thence I run, continuing measurement from 42 mile cor.
 S. 69° 37' W., Var 12 1/2° E.

7.69 A pine tree on line, 24 ins. diam., marked N B W M I R
 254, which I change to A P N B W M I R 254,
 on S. face, B M F R on N. face.

Thence I run,
 N. 87° 40' E.,
 Var. 12 1/2° E.

21.89 A pine tree, 18 ins. diam., on line, marked N B W M I R
 255, which I change to A P N B W M I R 255 on S face,
 B M F R on N. face.

Thence I run,
 S. 57° W., Var. 15° E.

23.79 A tree on line, marked N B W M I R 255, which I destroy.

Thence I run,
 S. 72° 10' W., Var. 15° E.

35.89 A pine tree on line, 18 ins. diam., marked N B W M I R,
 255, which I change to, A P N B W M I R 256 on S face,
 B M F R on N. face.

A mound of stone close by. This mound is reversed, being
 S. W. instead of N. W., as given by the Surveyor General.

Thence I run,
 S. 63° 48' W.,
 Var. 15° E.

40.64 To the 42 1/2 mile cor., which is a malapai stone, 16 x 12 x
 8 ins., above ground, with mound of stone alongside,
 and marked N B W M I R 42 1/2 M. I obliterate markings
 and mound of stone and remark 42 1/2 M 54 A P on N. E.
 face.
 N B W M I R on S. E. face,
 B M F R on N. W. face, and raise a mound of stone,
 3 ft. base, 2 ft high, N. E. of Cor., on line,
 A pine tree, 15 ins. diam., brs. N. 17 1/2° E.,
 22 lks. dist., marked N B W M I R 42 1/2 M B T.

WOLLA LAGOON RESERVE, NORTH BOUNDARY, WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- 94.81 A pine tree, 30 ins. diam., brs S. 68 1/4° E., 27 lks. dist., marked N B W M I R 221 M B T, A pine tree, 24 ins. diam., brs. 18° 50' E., 31 lks dist., marked N B W M I R 222 M B T, An ash, 6 ins. diam., brs S. 25° W., 39 lks. dist., marked N B W M I R 223 M B T.
- Thence I run, S. 85° 35' W., 200 ft. Var. 14 1/2° E.
- 46.34 A tree on line, with mound of stone alongside, marked W M I R 264, which I destroy.
- 53.92 An aspen tree, 150 ins. diam., on line, marked N B W M I R 258. I obliterate markings and reblaze and remark with A P 258 on N. face, and A P 258 W M I R 258 on S.E. face. The tree is also marked T 8 N R 23 E S 12 on N. W. face; C C on N. face, T 8 N R 24 E S 7 on N. E. face. This tree being blazed on four sides, I take an oak tree, 26 ins. diam., brs. S. 55 1/2° W., 28 lks. dist., and mark it A P 258. E T 8 brs. S. 55 1/2° W., 28 lks. dist.
- 88.11 An aspen tree, 25 ins. diam., brs S. 24 1/2° W., 30 lks dist., and mark it A P 258 B T, and raise a mound of stone N. of tree. No other trees within limits.
- Thence I run, S. 55 1/2° W., 28 lks. dist. Var. 14° 10' E.
- 69.97 Find a dead pine tree, marked W M I R 263 N B 259, which markings I destroy and remark A P N B W M I R 259, on N. face, B M F R on N. face. A pine tree, 15 ins. diam., brs N. 38° W., 18 lks. dist., marked A P 259 B T, and A pine tree, 12 ins. diam., brs S. 93° W., 10 lks dist., marked A P 259 B T.
- Thence I run, N. 82° 35' W., 200 ft. Var. 14° E.
- 81.25 To the 43rd mile cor., which is a malapa stone, 8 ft. 10 in. x 8 in., above ground, with mound of stone alongside, and marked N B W M I R 43 M. I obliterate markings and mound of stone, and remark, 43 M A P 260 on N. face, and B M F R on N. face, and raise a mound of stone 3 ft base, 2 ft high, N. of corner.
- 81.25 A pine tree, 25 ins. diam., brs. S. 11° W., 26 lks. dist., marked N B W M I R 43 M B T, A pine tree, 30 ins. diam., brs. N. 42 1/2° E., 27 lks dist., marked N B W M I R 43 M B T, A pine tree, 15 ins. diam., brs N. 26° W., 57 lks dist., marked N B W M I R 43 M B T.
- 81.25 An aspen tree, 24 ins. diam., brs. N. 58° 45' W., 50 lks. dist., marked N B W M I R 43 M B T.
- Land, high rolling mesa, heavily timbered. Soil, stony; 2nd and 3rd rate. Timber, pine and oak. High rolling mesa or heavily timbered land, exceptionally difficult to survey.
- 81.25 chas. Thence I run, continuing measurement from 43rd mile cor. N. 87° 46' W., 200 ft. Var. 14° E.
- 480 A pine tree on line, 12 ins. diam., marked N B W M I R 261, which marking I change to A P N B W M I R 261 on N. face, B M F R on N. face. Thence I run, S. 75° 15' W., 200 ft. Var. 14° E.
- 12.89 Find a tree on line, marked W M I R 262, with mound of stone alongside. I obliterate markings and mark

MOUNTAIN RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains.

- 26.04 A pine tree 34 ins. diam., marked N B W M I R 262, on S. face, B M F R on N. face... Thence I run, S. 59° 00' W., Var. 14° E.
- 33104 A tree on line, marked N B W M I R 262, which is destroyed.
- 40478 The 43 guano bar, which is a malapaill stone, 8 x 10 x 8 ins. above ground, with mound of stone along side, and marked N B W M I R 43, M. I. obliterate marking and mound of stone and remark N B W M I R 43 on N. E. face; S. 43° 15' W., 43 1/2 M on N. E. face; N. 84° 00' W., 61 lks. dist., marked N B W M I R 43, M. B. T. A pine tree, 15 ins. diam., 84° W., 61 lks. dist., marked N B W M I R 43, M. B. T. A pine tree, 3 ins. diam., 47° W., 50 lks. dist., marked N B W M I R 43, M. B. T.
- 50.54 A pine tree 24 ins. diam., marked N B W M I R 264, on S. face, which marking I change to A P N A B W M I R 264, on S. face. Thence I run, S. 78° 35' W., Var. 14° E.
- 69.04 To the 42th survey, which is a malapaill stone, 16 x 12 x 10 ins., above ground with mound of stone along side, and marked N B W M I R 44 M. I. obliterate marking and mound of stone and remark N B W M I R 44 M. I. on S. face, N B W M I R on S. face, A pine tree 28 ins. diam., 21° W., 93 lks. dist., marked N B W M I R 44 M. B. T.

Chains

An oak tree, 12 ins. diam., brs. N. 32° 45' W., 102 lks. dist.
marked N B W M I R 44 M B T.

A pine, 30 ins. diam., brs. S. 54° W., 42 lks. dist.,
marked N B W M I R 44 M B T.

A pine tree, 24 ins. diam., brs. S. 35-1/2° W., 31
lks. dist., marked N B W M I R 44 M B T.

Land, high rolling mesa.

Soil, stony, 2nd and 3rd rate.

Timber, pine and oak.

High rolling mesa, or heavily timbered land, exceptionally
difficult to survey, 82.25 chs.

September 29, 1906.

Sept. 30, 1906 at 7 a.m., l.m.t., I set off 2° 32' 30" S. on the
decl. arc and 34° 06' N. on the lat. arc and determine
a true mer. with the solar at the 44 mile cor.

Thence I run cont. measurement from 44 mile cor.

S. 84° 10' W.

Var. 12° E.

6.07 A pine tree on line 20" diam. marked N.B.W.M.I.R. 268

Which marking I change to A.P.N.B.W.M.I.R. on S.
face and B.M.F.R. on N. face.

Thence S. 60° 14' W. V

Var. 14° E. ascend

14.28 A pine tree on line 12" diam. mkd. N.B.W.M.I.R. 269, which
I change to A.P.N.B.W.M.I.R. 269 on S. and B.M.F.R. on N.
faces.

Thence S. 25° 42' W. V

Var. 15° E.

Asc. along ridge of volcanic rock.

18.38 A mound of stone beside a tree on line marked W.M.I.R. 258
which I destroy.

27.23 A pine tree 15" diam. mkd. N.B.W.M.I.R. 270 which I change to
A.P.N.B.W.M.I.R. 270 on S. and B.M.F.R. on N. faces.

Thence S. 17° 12' W.

Var. 11 1/2° E.

desc. along ridge.

33.47 A dead pine tree mkd. N.B.W.M.I.R. 271 which marking I
change to A.P.N.B.W.M.I.R. 271 on S. & B.M.F.R. on N. faces,
from which, a pine tree 15" diam. brs. E. 45 lks. dist.
marked A.P. 271 B.T.

an oak tree 3" diam. brs. N. 62° E. 45 lks. dist. mkd. A.P.
271 B.T.

Thence, S. 58° 37' W.

Var. 13° E.

41.10 To th 44 1/2 mile cor., a malpais stone 12x10x10 ins. above
with a mound of stone alongside and mkd. N.B.W.M.I.R.
44 1/2 M.I. destroy md. and change markings to
N.B.W.M.I.R. 44 1/2 M. on S. and B.M.F.R. on N. faces
and raise a md. of stone 3 ft. base 2 ft. high NE. of cor.
from which,

A pine tree 18" diam. brs. N. 70° W. 36 lks. dist.
marked N.B.W.M.I.R. 44 1/2 M.B.T.

A pine tree 30" diam. brs. S. 55° W. 47 lks. dist.
marked N.B.W.M.I.R. 44 1/2 M.B.T.

A pine tree 8" diam. brs. S. 33° E. 22 lks. dist.

marked N.B.W.M.I.R. 44 1/2 M.B.T.

An oak tree 5" diam. brs. E. 24 lks. dist.

marked N.B.W.M.I.R. 44 1/2 M.B.T.

- Chains
- Thence S. $60^{\circ} 05' W$.
Var. $14^{\circ} E$.
- 44.30 A dead pine tree on line marked W.M.I.R. 257 N.B. 272, which markings I change to A.P.N.B.W.M.I.R. 272 on S. and B.M.F.R. on N. Faces. from which, 272 B.O.
a md. of stone 5 ft. high Brs. N. $27^{\circ} W$. 44 lks. dist. mkd. A P
A pine tree 18" diam. brs. N. $19^{\circ} W$. 93 lks. dist.
marked A.P. 272 B.T.
- A pine tree 30" diam. brs. N. $27 \frac{1}{2}^{\circ} E$. 115 lks. dist.
marked A.P. 272 B.T.
- Thence S. $77^{\circ} 48' W$.
Var. $14^{\circ} E$.
- 52.12 A pine tree 12" diam. mkd. N.B.W.M.I.R. 273, which I change to A.P.N.B.W.M.I.R. 273 on S. and B.M.F.R. on N. faces.
Thence S. $63^{\circ} 20' W$.
Var. $14^{\circ} E$.
- 64.12 A pine tree on line marked W.M.I.R. 256, which I destroy.
- 65.60 A pine tree 20" diam. mkd. N.B.W.M.I.R. 274, which marking I change to APNBWMIR 274 on S. & B.M.F.R. on N. faces.
Thence, N. $85^{\circ} 19' W$.
Var. $14^{\circ} E$.
- 75.20 A malpais bldr. in place on line marked C.C. on N.W.M.I.R. on S. face and md of stone N. from which an oak tree 10" diam. brs. N. $1^{\circ} 40' W$. 133 lks. dist. Mkd T. 8 N. R. 23 E. S. 10 C.C.B.T.
A pine tree 12" diam. brs. N. $13 \frac{1}{4}^{\circ} E$. 128 lks. dist. marked T. 8 N. R. 23 E. S. 11 C.C.B.T.
- 82.12 To 45 mile cor., a malpais stone 18x12x6 ins. above ground, with md. of stone alongside mkd. N.B.W.M.I.R. 45 M. I obliterate same and re-mark N.B.W.M.I.R. 45 M. on S. and B.M.F.R. on N. faces and raise a mound 3 ft. base 2 ft. high of cor. from which, of stone
An oak tree 10" diam. brs. N. $77^{\circ} W$. 51 lks. dist. marked N.B.W.M.I.R. 45 M. B.T.
An oak tree 10" diam. brs. N. $72^{\circ} W$. 52 lks. dist. marked N.B.W.M.I.R. 45 M. B.T.
A pine tree 15" diam. brs. N. $49 \frac{1}{2}^{\circ} W$. 58 lks. dist. marked N.B.W.M.I.R. 45 M. B.T.
An oak tree 10" diam. brs. N. $69 \frac{1}{4}^{\circ} W$. 56 lks. dist. marked N.B.W.M.I.R. 45 M. B.T.
- Land high rolling mesa. Soil, Stony 2nd & 3rd rate.
Timber, pine and oak.
Rolling land heavily timbered & exc. difficult to survey
82.12 chs.
-----oooOooo-----
- Thence I run, continuing measurement from 45 mile cor:
N. $71^{\circ} 45' W$.
Var. $14^{\circ} E$.
- 8.31 A pine tree on line 18" diam. marked N.B.W.M.I.R. 275, which marking I change to APNBWMIR 275 on S. & B.M.F.R. on N. faces.
Thence N. $58^{\circ} 16' W$.
Var. $14 \frac{1}{2}^{\circ} E$.
- 28.00 To a dead pine tree marked N.B.W.M.I.R. 245 N.B. 276 which I change to APNBWMIR 276 on S. and B.M.F.R. on N. faces. from which,
A pine tree 20" diam. brs. N. $16 \frac{1}{4}^{\circ} W$. 20 lks. dist. marked A.P. 276 B.T.
an oak tree 10" diam. brs. N. $40^{\circ} W$. 70 lks. dist. marked A.P. 276 B.T.

RESURVEY OF N. BOUNDARY WHITE MOUNTAIN INDIAN RES.

Chains	Thence ,N.53° W. Var.13 1/2° E.
28.53 34.92	Road from Springerville to Holbrook & Pinetop brs. NW & SE. a pine tree on line 24" diam. mkd. N.B.W.M.I.R. 277, which I change to APNBWMIR 277 on S. & B.M.F.R. on N. face. Thence N.61°27'W. Var.12 1/2° E.
41.00	To the 45 1/2 mile cor., a malpais stone 12x8x5 ins. above ground with md. of stone a long side & marked N.B.W.M. I.R. 45 1/2 M. which I obliterate and re-mark N.B.W.M.I.R. 45 1/2 M. on S. face & B.M.F.R. on N. face, from which, a pine tree 6" diam. brs. W. 32 lks. dist. m. marked N.B.W.M.I.R. 45 1/2 M.B.T. A pine tree 30" diam. brs. S. 14-1/2° W., 83 lks. dist. marked N.B.W.M.I.R. 45 1/2 M.B.T. A pine tree 18" diam. brs. S. 7° W. 76 lks. dist. marked N.B.W.M.I.R. 45 1/2 M.B.T. A pine tree 24" diam. brs. N. 41 1/2° E. 86 lks. dist. marked N.B.W.M.I.R. 45 1/2 M.B.T.
48.76	Thence N.83°35'W. Var. 12° 35'E. A pine tree on line 24" diam. mkd. NBWMIR 279, which I change to NBWMIR 279 on S. & BMFR on N. faces. Thence S.85°35'W. Var. 13° E.
61.53	A pine tree 24" diam. on line Mkd. N.B.W.M.I.R. 280, which I change to AP NBWMIR 280 on S. & B.M.F.R. on N. faces. Thence N.88° 06' W. Var. 13° E.
69.53 71.71	Fort Apache-Holbrook road brs. N. & S. A pine tree 24" diam. mkd. NBWMIR 281, which I change to AP NBWMIR 281 on S. face & BMFR on N. faces. Thence S.86°35'W. Var. 12 1/2° E.
79.50	To a mala pais stone 10x6x7 ins. above ground firmly set & marked C.C. on N. with 3 grooves on E. & W faces and md. of stone 3 ft. base 2 1/2 ft. high N. of cor. from which, an oak tree 12" diam. brs. N. 60 1/4° E. 20 lks. dist. marked T.8 N.R. 23 E. S. 10 C.C. B.T. An oak tree 18" diam. brs. N. 23-3/4° W. 73 lks. dist. marked T.8 N.R. 23 E. S. 9 C.C. B.T.
81.50	To 46 mile cor., a malpais stone 18x12x12 ins. above ground with md. of stone alongside & marked NBWMIR 46 M. I destroy markings and re-mark NBWMIR 46 M. on S. & BMFR on N. faces and raise a mound of stone 3 ft. base 2 ft. high S. of cor. from which, A pine tree 24" diam. brs. N. 30° E. 21 plks. dist. marked N.B.W.M.I.R. 46 M.B.T. A pine tree 12" diam. brs. S. 68° E. 33 lks. dist. marked N.B.W.M.I.R. 46 M.B.T. A pine tree 24" diam. brs. S. 18° E. 21 lks. dist. marked N.B.W.M.I.R. 46 M.B.T. A pine tree 18" diam. brs. S. 26 1/2° W. 52 lks. dist. marked N.B.W.M.I.R. 46 M.B.T.
10.62	Land, high rolling mesa. Soil, stony, 2nd & 3rd rate, Timber pine & oak. Rolling mesa land heavily timbered & exc. difficult to survey 81.50 chs. Spt. 30' 1906, at 12 m., l.m.t., I set off 02° 39' S. on the decl. arc and obs. the sun on the mer. The resulting lat. is 34° 06' N. Thence I run, cont. measurement from 46 mile cor. S. 84° 15' W. Var. 15° E. Find a dead tree stump with traces of markings.

Chains

- BOOK 2070
- I uproot same and set a malpais stone 24 x 7 x 6 ins. 18 ins. in the ground, marked APNBWMIR 283 on S. & B.M.F.R. on N. faces. from which,
 A pine tree 24" diam. brs. N. 46-1/2° E., 37 lks. dist., marked A.P. 283 B.T.
 A pine tree 20" diam. brs., N. 64° E. 43 lks. dist. marked A.P. 283 B.T.
 Thence I run
 N. 84° 51' W.
 var. 12 1/2° E.
- 17.12 Trail, brs. N. & S.
 40.33 To 46 1/2 mile cor., a malpais stone 18x12 x8 ins. above ground with mound of stone alongside NBWMIR 46 1/2 M. which I obliterate and re-mark NBWMIR 46 1/2 M. on S & BMFR on N. faces., and raise a mound of stone 3 ft. base 2 ft. high N. of cor. from which
 A pine tree 24" diam. brs. S. 15° E. 19 lks. dist. marked NBWMIR 46 1/2 M. B.T.
 A pine tree 6" diam. brs. S. 69° E. 72 lks. dist. marked NBWMIR 46 1/2 M. B.T.
 A pine tree 30" diam. brs. N. 26° W. 97 lks. dist. marked NBWMIR 46 1/2 M. B.T.
 An oak tree 10" diam. brs. N. 33° E. 85 lks. dist. marked N.B.W.M.I.R. 46 1/2 M. B.T.
 Thence I run
 N. 67° 15' W.
 Var. 14° E.
- 60.26 A pine tree 18" diam. on line marked NBWMIR 285 which I change to APNBWMIR 285 on S. & BMFR on N. faces. from which an oak tree 16" diam. brs. N. 60° E. 59 lks. dist. marked A.P. 285 B.T.
 A pine tree 18" diam. brs. S. 60° W. 62 lks. dist. marked A.P. 285 B.T.
 Thence I run
 N. 72° 35' W.
 Var. 13° E.
- 72.27 A pine tree 14" diam. on line Marked NBWMIR 286 which I change to APNBWMIR 286 on S. & BMFR on N. faces.
 Thence I run,
 N 56° 34' W.
 Var. 13° E.
- 81.32 To 47 mile cor., a malpais stone 8x6x12 ins. above ground with a md. of stone alongside, mkd. NBWMIR 47 M. which I re-mark NBWMIR 47 M. on S. & BMFR on N. faces and raise a mound of stone 3 ft. base 2 ft. high N. of cor. from which,
 A pine tree 24" diam. brs. S. 40 1/2° W. 82 lks. dist. marked NBWMIR 47 M. B.T.
 A pine tree 24" diam. brs. S. 70° E. 85 lks. dist. marked NBWMIR 47 M. B.T.
 An oak tree 6" diam. brs. N. 69° E. 27 lks. dist. marked NBWMIR 47 M. B.T.
 A pine tree 15" diam. brs. S. 25° W. 102 lks. dist. marked NBWMIR 47 M. B.T.
~~A pine tree 24" diam. brs. S. 40° W. 82 lks. dist. marked WMIR 248 which marking I destroy.~~
 From this cor., a granite stone 24x12x4 ins. above ground with md. of stone on N. brs. N. 62° 26' W. 101 lks. dist. marked CC. on N. face & W.M.I.R. on S. face, from which,
 A pine tree 6" diam. brs. N. 46 1/2° E. 40 lks. dist. marked T8 N.R. 23 E. S. 9 B.T.
 A pine tree 20" diam. brs. N. 80° W. 90 lks. dist. marked T.8 N.R. 23 E. S. 8 B.T.
- Land, high rolling mesa, Soil stony 2nd & 3rd rate. Timber, pine, oak. undergrowth scrub pine.
 High rolling mesa heavily timbered & exc. difficult to survey 81.32 chs.

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RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains

- Thence I run, continuing measurement from 47th mile cor.
N.62° 20' W.
Var. 13° E.
~~continuing measurement from the 47 mile cor.~~
- 1.01 closing cor of secs. 8 & 9 as described.
- 7.08 A pine tree 30" diam. marked NBWMIR 288 which I remark
APNBWMIR 288 on S. & BMFR on N. faces.
Thence I run
N.39° 48' W.
Var. 15° E.
- 33.40 A dead pine tree on line marked NBWMIR 289, which I
destroy and re-mark APNBWMIR 289 on S. & BMFR on N.
faces from which,
A pine tree 18" diam. brs. N.48-1/2° E. 46 lks. dist.
marked A.P.289 B.T.
A pine tree 12" diam. brs. N. 4° E. 46 lks. dist.
marked A.P.289 B.T.
- Thence I run
N.65° 32' W. Var. 14° E.
- 41.05 To 47 1/2 mile cor., a malpais stone 8x10x6 ins. above
gr und with md. of stone alongside and marked
NBWMIR 47 1/2 M., which I re-mark NBWMIR 47 1/2 M.
on S. face and BMFR on N. face. and raise
a mound of stone 3 ft. base 2 ft. high SE. of cor.
from which,
A pine tree 12" diam. brs. S.32° W. 22 lks. dist
marked NBWMIR 47 1/2 M. B.T.
A pine tree 15" diam. brs. S.74 1/2° E. 34 lks. dist.
marked NBWMIR 47 1/2 M. B.T.
A pine tree 14" diam. brs. N.6° 45' W. 44 lks. dist.
marked NBWMIR 47 1/2 M. B.T.
an oak tree 10" diam. brs. 70° 45' W. 94 lks. dist.
marked NBWMIR 47 1/2 M. B.T.
- Thence I run,
N.73° 17' W.
Var. 14° E.
- 44.15 a tree marked WMIR 246 which I destroy.
- 58.15 Road, brs N.W. & SE.

Chains

- 60.40 A dead pine tree, marked NBWMIR 291, which marking I change to APNBWMIR on S. & BMFR on N. faces, from which a pine tree 24" diam. brs. S. 10° W. 108 lks. dist. marked A.P. 291 B.T.
An oak tree 18" diam. brs. S. 40° W. 92 lks. dist. marked A.P. 291 B.T.
A malpais stone 10 x 8 x 6 ins. above ground with md. of stone on N. brs. N. 56° 13' W. 68 lks. dist. marked C.C. on E. WMIR on S. faces, from which an oak tree 18" diam. brs. N. 15° W. 29 lks. dist. marked T. 8 N. R. 23 E. S. 5 C.C. B.T.
An oak tree 4" diam. brs. S. 89° E. 50 lks. dist. marked T. 8 N. R. 23 E. S. 8 C.C. B.T.
Thence from A.P. 291, I run,
N. 56° 13' W.
Var. 15° E.
- 80.35 set a malpais stone 24x15x10 ins. 18 ins. in the ground marked APNBWMIR 292 on S. & BMFR on N. faces, from which an oak tree 10" diam. brs. S. 4° E. 22 lks. dist. marked A.P. 292 B.T.
An oak tree 10" diam. brs. S. 31° W. 25 lks. dist. marked A.P. 292 B.T.
Thence N. 53° 37' W.
Var. 14° E.
- 82.05 To 48 mile cor., a malpais stone 18x6x12 ins. above ground with md of stone alongside & marked NBWMIR 48 M. which I obliterate and re-mark 48 M. on SE, WMIR on S. & B.M.F.R. on N. faces and raise a mound of stone 3 ft. base 2 ft. high N. of cor. from which,
A pine tree 12" diam. brs. S. 52° W. 41 lks. dist. marked NBWMIR 48 M. B.T.
A juniper tree 15" diam. brs. N. 73-1/2° E. 32 lks. dist. marked NBWMIR 48 M. B.T.
A pine tree 15" diam. brs. N. 38° E. 89 lks. dist. marked NBWMIR 48 M. B.T.
An oak tree 14" diam. brs. North 64 lks. dist. marked NBWMIR 48 M. B.T.
Land high rolling mesa.
Soil, stony 2nd & 3rd rate.
Timber, pine oak, juniper.
High rolling mesa heavily timbered & exc. difficult to survey 82.05 chs.
Thence I run continuing measurement from 48 mile cor. N. 49° 33' W.
Var. 15° E.
- 83.90 A pine tree 30" diam. marked WMIR 244 NB 293, which I change to APNBWMIR 293 on S. & BMFR on N. faces.
Thence S. 85° 38' W.
Var. 15° E.
- 14.90 A pine tree 18" diam. mkd. NBWMIR 294, which I change to APNBWMIR 294 on S. & BMFR on N. faces.
Thence, N. 67° 15' W.
Var. 15° E.
- 17.43 I find a malpais stone 15 x 12 x 6 ins. above ground, marked C.C. on N. WMIR on S. with md. of stone N. from which
A pine tree 14" diam. brs. N. 68° W. 26 lks. dist. marked T. 8 N. R. 23 E. S. 6 C.C. B.T.
- 20.28 A pine tree on line 14" diam. mkd. NBWMIR 295, which I change to APNBWMIR 295 on S. & BMFR on N. faces.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

- chains Thence I run,
S. 84° deg. 45' W.,
Var. 15° deg. E.
- 40.39 The 48-1/2 mile cor., which is a malapai stone, 12x10x8 ins., above ground, with a mound of stone alongside, marked N B W M I R 48-1/2 M. I obliterate marking and mound of stone and re-mark 48-1/2 M A P 296 on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone 3 ft. base, 2 ft. high, N. E. of cor. on line, A pine tree 12 ins. diam., brs. N. 59 deg. W., 33 lks. dist., marked N B W M I R 48-1/2 M B T, A pine tree 24 ins. diam., brs. S. 53° deg. W., 57 lks. dist., marked N B W M I R 48-1/2 M B T, A pine tree 15 ins. diam., brs. S. 57-1/2° deg. W., 54 lks. dist., marked N B W M I R 48-1/2 M B T. An oak tree 10 ins. diam., brs. S. 46-1/2° deg., E. 88 lks. dist., marked N B W M I R 48-1/2 M B T.
September 30, 1906.
-
- October 1: At 7 a.m., l.m.t., I set off 2 deg. 56-1/2' S. on the decl. arc and 34 deg. 6' N. on the lat. arc and determine a true meridian with the solar at the 48-1/2 mile cor.
- Thence I run,
S. 61° deg. 25' W.,
Var. 14 deg. E.
- 53.98 A tree marked W.M I R 242 N B 297 on line, which I obliterate and remark A P N B W M I R 297, on S. face B M F R on N. face
- Thence I run,
N. 87° deg. 54' W.,
Var. 14° deg. E.
- 70.48 Road brs. S. W. and N. E.
- 76.58 A pine tree, 20 ins. diam., marked W M I R 241 N B 298 which I obliterate and re-mark A P N B W M I R 298, on S. face, B M F R on N. face.
- Thence I run,
S. 58° deg. W.,
Var. 14 deg. E.
- 81.66 The 49th mile cor., which is a malapai stone, 12x12x12 ins., above ground, with a mound of stone alongside and marked N B W M I R 49 M. I destroy mound of stone and markings and re-mark 49 M A P 299 on N. E. face N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor. on line, A pine tree 15 ins. diam., brs. N. 34-1/2 deg. W., 31 lks. dist., marked N B W M I R 49 M B T A pine tree, 24 ins. diam., brs. N. 44 deg. 45' W., 29 lks. dist., marked N B W M I R 49 M B T, A pine tree, 14 ins. diam., brs. S. 8-1/2 deg. E. 43 lks. dist., marked N B W M I R 49 M B T, A juniper tree, 15 ins. diam. brs. N. 57 deg. E. 48 lks. dist., marked N B W M I R 49 M B T.
- Land, high rolling mesa.
Soil, stony, 2nd and 3rd rate.
Timber, pine, oak, juniper; undergrowth scrub pine and oak.
High rolling mesa or heavily timbered land, exceptionally difficult to survey 81.66 chs.
- oOo---
- Thence I run, continuing measurement from 49th mile cor.
S. 70 deg. W.,
Var. 14 deg. E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- Leave the malapai stone district and enter quartzite and porphyry district.
- 9.76 A pine tree 24 ins. diam., on line marked N B W M I R 300, which I change to A P N B W M I R 300, on S. face, B M F R on N. face.
Thence I run,
S. 51 deg. 24' W.,
Var. 10 deg. E.
- OK-DPT 19.45 A malapai stone on line 6x10x8 ins. above ground, marked C C on N. and W M I R on S. faces, from which
An oak tree, 6 ins. diam., brs. N. 29-1/2 deg. E.,
41 lks. dist., marked T 8 N R 22 E S 6 C C B T,
A pine tree, 15 ins. diam., brs. N. 23-1/2 deg. W.,
44 lks. dist., marked T 8 N R 22 E S 12 C C B T,
- 26.52 A pine tree, on line, 12 ins. diam., marked N B W M I R 301, which I change to A P N B W M I R 301, on S. face, B M F R on N. face
7.87
Thence I run,
S. 63 deg. 05' W.,
Var. 13 deg. E.
- 31.02 A juniper tree, 10 ins. diam., on line, marked N B W M I R 302, which I change to A P N B W M I R 302, on S. face, B M F R on N. face
4.50
Thence I run,
S. 17 deg. 53' W.,
Var. 13-1/2 deg. E.
- 37.09 A pine tree, 18 ins. diam., on line, marked W M I R 240 N B 303, which marks I destroy and re-mark A P N B W M I R 303, on S. face, B M F R on N. face.
6-07
Thence I run,
N. 84 deg. 37' W.,
Var. 14-1/2 deg. E.
- 40.89 The 49-1/2 mile cor., which is a quartz stone, 20x12x8 ins. above ground, with mound of stone alongside and marked N B W M I R 49-1/2 M. I obliterate mound of stone and marking and re-mark 49-1/2 M on E. face,
3 80
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor., on line,
A pine tree, 18 ins. diam., brs. N. 29 deg. W.,
38 lks. dist., marked N B W M I R 49-1/2 M B T,
A pine tree 14 ins. diam., brs. N. 25 deg. E.,
19 lks. dist., marked N B W M I R 49-1/2 M B T.
A pine tree, 8 ins. diam., brs. S. 50 deg. W.,
36 lks. dist., marked N B W M I R 49-1/2 M B T,
A pine tree 12 ins. diam., brs. S. 72-1/2 deg. W.,
48 lks. dist., marked N B W M I R 49-1/2 M B T.
- Thence I run,
N. 87 deg. 42' W.,
Var. 14-1/2 deg. E.
- 48.89 Cross Ft. Apache and Helbrook road, brs. S. E. and N. W.
- 49.41 A pine tree, 18 ins. diam., marked N B W M I R 304, on line, which marks I change to A P N B W M I R 304 on S. face, B M F R on N. face.
8 52
Thence I run,
N. 27 deg. W.,
Var. 14-1/2 deg. E.
- 54.25 Follow along old road, find dead pine tree, marked W M I R 305. I obliterate markings and re-mark
4.84
A malapai stone, in place, 10x10x8 ins. above ground, A P N B W M I R 305, on S. face
B M F R on N. face.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains	<p>A juniper tree, 12 ins. diam., brs. N. 75 deg. E., 64 lks. dist., marked A P 305 B T, A pine tree, 12 ins. diam., brs. S. 47 deg. E., 64 lks. dist., marked A P 305 B T,</p> <p>Thence I run, N. 40 deg. 32' W., Var. 14-1/2 deg. E.</p>
63.75	A tree marked W M I R 238 which I destroy.
72.24	A pine tree, 12 ins. diam., marked N B W M I R 306, which I re-mark A P N B W M I R 306, on S. face, B M F R on N. face.
17.99	Thence I run, N. 55 deg. 32' W., Var. 14-1/2 deg. E.
78.75	A pine tree, 25 lks. to right of line, marked N B W M I R 307, which I change to A P N B W M I R 307, on S. face, B M F R on N. face.
6.51	Thence I run, N. 38 deg. 20' W., Var. 14-1/2 deg. E.
81.99	The 50th mile cor., which is a quartz stone, 24x12x10 Ins. above ground, with mound of stone along side, marked N B W M I R 50 M. I obliterate marks and mound of stone and re-mark 50 M on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor. on line, A juniper tree, 24 ins. diam., brs. N. 62-1/2 deg. E. 37 lks. dist., marked N B W M I R 50 M B T, A juniper tree, 30 ins. diam., brs. N. 64 deg. W., 53 lks. dist., marked N B W M I R 50 M B T, An oak tree, 12 ins. diam. brs. S. 9 deg. W., 50 lks. dist., marked N B W M I R 50 M B T, A pine tree, 6 ins. diam., brs. N. 27-1/2 deg. W., 24 lks. dist., marked N B W M I R 50 M B T.
3.24	Land, high rolling mesa. Soil stony, 2nd and 3rd rate. Timber, pine, oak, juniper; undergrowth scrub pine and oak. ---000---
	Thence I run, continuing measurements from 50th mile cor. N. 32 deg. 23' W., Var. 14-1/2 deg. E.
3.20	Mound of stone and pine tree on line, 15 ins. diam., marked W M I R 237 N B 308, which marking I oblit- erate and re-mark A P N B W M I R 308, on S. face, B M F R on N. face.
	Thence I run, N. 45 deg. 27' W., Var. 14-1/2 deg. E.
	Descend.
9.20	Trail brs. S. E. and N. W.
24.89	A juniper tree, 14 ins. diam., on line, marked N B W M I R 309, which I change to A P N B W M I R 309, on S. face, B M F R on N. face.
21.69	Thence I run, N. 35 deg. 32' W., Var. 14-1/2 deg. E.
34.41	A pine tree, 8 ins. diam., on line, marked N B W M I R 310, which I change to A P N B W M I R 310, on W. face, B M F R on E. face.
9.52	Thence I run, N. 43 deg. 30' E., Var. 14-1/2 deg. E.
38.70	A dead pine tree on line, marked N B W M I R 311, which marks I change to A P N B W M I R 311, on W. face B M F R on E. face. A juniper tree, 12 ins. diam. brs. N. 67 deg. W., 58 lks. dist. marked A P 311 B T, An oak tree, 5 ins. diam., brs. S 51-1/2 deg. W., 81 lks. dist., marked A P 311 B T.
4.29	

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

- chains Thence I run,
N. 56 deg. 12' E.,
Var. 14-1/2 deg. E.
- 40.52 The 50-1/2 mile cor., which is a malapai stone in place.
20x10x6 ins. above ground, with mound of stone
along side and marked N B W M I R 50-1/2 M. I de-
stroy markings and mound of stone, and re-mark
50-1/2 M. on S. W. face,
N B W M I R on N. W. face,
B M F R on S. E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, S. W. of cor., on line,
A juniper tree, 12 ins. diam., brs. N. 77 deg. E.,
25 lks. dist. marked N B W M I R 50-1/2 M B T,
A fir tree, 12 ins. diam., brs. S. 53 deg. E., 40
lks. dist., marked N B W M I R 50-1/2 M B T,
A pine tree, 18 ins. diam., brs. S. 64 deg. W.,
10 lks. dist., marked N B W M I R 50-1/2 M B T,
A juniper tree, 24 ins. diam., brs. N. 56-1/2 deg.
W., 65 lks. dist.; marked N B W M I R 50-1/2 MBT.
- Thence I run,
N. 41 deg. E.,
Var. 14-1/2 deg. E.
- 42.29 A pine tree on line, 14 ins. diam., marked N B W M I R
312, which I change to A P N B W M I R 312, on N.
face, B M F R on S. face.
- Thence I run,
N. 70 deg. E.,
Var. 14-1/2 deg. E.
- 50.07 Descending gradual slope.
A juniper tree, 12 ins. diam., marked N B W M I R 313,
which I change to A P N B W M I R 313, on NW. face,
B M F R on SE. face.
- Thence I run,
N. 49 deg. 57' E.,
Var. 14-1/2 deg. E.
- 54.07 A tree, marked W M I R 235, which I destroy.
- 58.67 A road brs, S. E. and N. W.
- 62.18 A pine tree, 18 ins. diam., 1.27 chs. left of line,
marked W M I R N B 314, which marks I change to
A P N B W M I R 314, on W. face, B M F R on E. face.
True course, N. 43 deg. 58' E. 12.18 chs.
- Thence I run,
N. 9 deg. 8' W.,
Var. 14-1/2 deg. E.
- 79.88 Road brs. E. and W.
- 81.04 The 51st mile cor., which is a sand stone, 18x12x6 ins.
above ground, marked N B W M I R 51 M. I obliterate
markings and re-mark
51 M on S. face,
N B W M I R on W. face,
B M F R on E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, S. of cor. on line,
A pine tree 24 ins. diam., brs. S. 48 lks. dist.,
marked N B W M I R 51 M B T,
A pine tree 12 ins. diam., brs. N. 64-1/2 deg. E.,
32 lks. dist., marked N B W M I R 51 M B T,
A pine tree 10 ins. diam., brs. N. 31 deg. E., 28
lks. dist., marked N B W M I R 51 M B T,
An oak tree, 12 ins. diam., brs. S. 60 deg. W.,
112 lks. dist., marked N B W M I R 51 M B T.
- Land, high rolling mesa.
Soil, stony; 2nd and 3rd rate.
Timber, pine oak, and juniper; undergrowth scrub oak.
Heavily timbered land exceptionally difficult to survey
81.04 chains.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

- chains
- Thence I run, continuing measurements from 51st mile cor.
N. 10 deg. 04' W.,
Var. 14-1/2 deg. E.
- 8.15 A pine tree, 15 ins. diam., marked N B W M I R 315, which
I re-mark A P N B W M I R 315, on W. face, B M F R
on E. face, and destroy old marks.
- Thence I run,
N. 19 deg. 43' W.,
Var. 12-1/2 deg. E.
- 8.60 A malapai stone, 18x10x5 ins., above ground, marked C C
on N. and I R on S. faces. No bearing trees.
- 16.15 Cross old road, brs. N. W. and S. E.
- 40.84 Find 51-1/2 mile cor., which is a sand stone, 8x8x5 ins.,
above ground, marked N B W M I R 51-1/2 M. I obliterate
markings and re-mark
51-1/2 M on S. face,
N B W M I R on W. face,
B M F R on E. face, and raise a mound of stone, 3 ft.
base, 2 ft. high, S. of cor., on line,
A. pine tree, 40 ins. diam. brs. S. 32-1/2 deg. E.,
91 lks. dist., marked N B W M I R 51-1/2 M B T,
A pine tree 12 ins. diam., brs. N. 50 deg. W.,
21 lks. dist., marked N B W M I R 51-1/2 M B T,
A pine tree, 12 ins. diam., brs. N. 70-1/2 deg. W.,
70 lks. dist., marked N B W M I R 51-1/2 M B T,
An oak tree, 16 ins. diam., brs. S. 83-1/2 deg.
W., 79 lks. dist., marked N B W M I R 51-1/2 M B T.
Sam E. West's house brs. N. 50 deg. E., 25 chs. dist., he
cultivates and occupies about 60 acres of cleared land.
- Thence I run,
N. 19 deg. 36' W.,
Var. 14-1/2 deg. E.
- 51.44 Cut off cor. of wire fence.
- 59.54 A pine tree, 15 ins. diam., marked N B W M I R 316, which
I change to A P N B W M I R 316 on W. face,
B M F R on E. face.
- Thence I run,
N. 5 deg. 29' E.,
Var. 14-1/2 deg. E.
- 63.04 A tree marked W M I R 231, which I destroy.
- 63.51 Find a dead pine stump, 30 ins. diam., which I destroy and
set a malapai stone, 18x6x10 ins., 12 ins. in the
ground and mark A P N B W M I R 317, on W. face,
B M F R on E. face.
A pine tree, 12 ins. diam., brs. S. 52-1/2 deg. W.,
91 lks. dist., marked A P 317 B T,
An oak, 3 ins. diam., brs. N. 33 deg. W., 45 lks.
dist., marked A P 317 B T,
- Thence I run,
N. 23 deg. 55' W.,
Var. 14-1/2 deg. E.
- 90.06 To cor. 318, where I set a sand stone, 18x8x10 ins., 6 ins.
B M F R on E face, in ground, marked A P N B W M I R 318, on W. face, and
A pine tree, 10 ins. diam., brs. S. 12-1/4 deg.
W., 64 lks. dist., marked A P 318 B T,
A pine tree, 12 ins. diam., brs. N. 12 deg. W.,
34 lks. dist., marked A P 318 B T.
- Thence I run,
N. 86 deg. 30' W.,
Var. 14-1/2 deg. E.
- 90.96 The 52nd mile cor., which is a sand stone, 18x12x10 ins.,
set in a mound of stone, marked N B W M I R 52 M.
I obliterate marks and re-mark
52 M A P 319 on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound on stone, 3 ft.
base, 2 ft. high, E. of cor. on line

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- An oak tree, 10 ins. diam., brs. S. 74 deg. W.,
81 lks. dist., marked N B W M I R 52 M B T,
A pine tree, 12 ins. diam., brs. S. 105 lks. dist.,
marked N B W M I R 52 M B T,
A pine tree, 10 ins. diam., brs. S 44 deg. E., 71
lks. dist., marked N B W M I R 52 M B T,
A pine tree, 10 ins. diam., brs. S. 54-1/2 deg.
E., 56 lks. dist., marked N B W M I R 52 M B T.
- Land, high rolling mesa.
Soil, stony; 2nd and 3rd rate.
Timber, pine, oak and juniper; undergrowth scrub oak.
---oOo---
- Thence P run, continuing measurements from 52nd mile cor.
S. 88 deg. 06' W.,
Var. 14-1/2 deg. E.
- 13.86 A pine tree, 18 ins. diam., marked W M I R 229 N B 320,
which mark I obliterate and re-mark A P N B W M I R
320, on S. face, B M F R on N. face.
- Thence I run,
N. 60 deg. 20' W.,
Var. 14 deg. E.
- 20.26 A pine tree, 15 ins. diam., marked T 8 N R 22 E S 35 B T.
Here I search for other evidence of public land survey,
but find none.
- 23.86 A pine tree, 12 ins. diam., marked N B W M I R 321, which
I change to A P N B W M I R 321, on S. face,
B M F R on N. face.
- Thence I run,
N. 57 deg. 22' W.,
Var. 14-1/2 deg. E.
- At this point the line runs along Ft. Apache and Holbrook
Road.
- 37.86 Tree marked W M I R 227, which I destroy.
- 39.86 A pine tree, 10 ins. diam., marked N B W M I R 322,
which I change to A P N B W M I R 322, on S. face,
B M F R on N. face.
- Thence I run,
N. 73-1/2 deg. W., Var. 14-1/2° E.
- 41.02 The 52-1/2 mile cor. ~~is~~ is a sand stone, 18x10x10
ins., set in a mound of stone, marked N B W M I R
52-1/2 M. I obliterate this marking and re-mark
52-1/2 M on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, S. E. of cor., on line,
A pine tree, 30 ins. diam., brs. S. 37-1/2 deg.
E., 94 lks. dist., marked N B W M I R 52-1/2 MBT,
A pine tree, 24 ins. diam., brs. N. 13 deg. W.,
53 lks. dist., marked N B W M I R 52-1/2 M B T,
A pine tree, 15 ins. diam., brs. S. 6 deg. W., 103
lks. dist., marked N B W M I R 52-1/2 M B T,
A pine tree, 18 ins. diam., brs. S. 64 deg. W.,
105 lks. dist., marked N B W M I R 52-1/2 MBT.
- From this cor., a sand stone, 12x10x8 ins., above ground,
brs. N. 79 deg. 30' W., 2.84 chs. dist., marked
C C on N. and I R on S. faces, from which
A pine tree, 8 ins. diam., brs. N. 63 deg. W., 34
lks. dist., marked T 8 N R 23 E S 27 B T,
A pine tree 12 ins. diam., brs. N. 51 deg. E.,
191 lks. dist., marked T 8 N R 23 E S 26 B T.
- Thence I run
N. 78 deg. 36' W.,
Var. 14 deg. E.
- 63.45 Find a pine tree stump, 14 ins. diam., where I set a sand-
stone, 18x10x6 ins., 12 ins. in the ground, and
marked A P N B W M I R 323, on S. face, and B M F R
on N. face.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

chains

- A juniper tree, 30 ins. diam., brs. N. 43 deg. W.,
17 lks. dist., marked A P 323 B T,
A juniper tree, 6 ins. diam., brs. S. 83 deg. W.,
41 lks. dist., marked A P 323 B T,
Thence I run,
N. 82 deg. 05' W.,
Var. 14 deg. E.
Descending steep rocky slope into canyon.
- 68.45 Bottom of gulch, ascend through dense manzanita and scrub
oak undergrowth.
- 79.37 A dead tree stump, with traces of markings, which I oblit-
erate and
Set a sand stone, 18x8x6 ins., 12 ins. in the ground,
marked A P N B W M I R 324, on S. face, B M F R on N. face
A juniper tree, 3 ins. diam., brs S. 40 deg. W.,
85 lks. dist., marked A P 324 B T,
A juniper tree, 12 ins. diam., brs. N. 40 deg. E.,
28 lks. dist., marked A P 324 B T.
- Thence I run,
S. 59 deg. 30' W.,
Var. 14 deg. E.
- 81.33 A juniper tree on line, 15 ins. diam., marked N B W M I R
325 on S. face, and B M F R on N. face.
Thence I run,
N. 81 deg. W.,
Var. 14 deg. E.
- 83.88 The 53rd mile cor., which is a sand stone, 18x10x8 ins.,
above ground, with a mound of stone alongside and
marked N B W M I R 53 M. I obliterate markings and
mound of stone and remark
53M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone, 3 ft.
base, 2 ft. high, E. of cor., on line,
An oak tree, 10 ins. diam., brs. S. 17 deg. E.,
16 lks. dist., marked N B W M I R 53 M B T,
A juniper tree, 12 ins. diam., brs. S. 49-1/2 deg.
E., 59 lks. dist., marked N B W M I R 53 M B T,
A juniper tree, 20 ins. diam., brs. N. 78 deg. E.,
77 lks. dist., marked N B W M I R 53 M B T,
An oak tree, 8 ins. diam., brs. S. 35 deg. E., 20
lks. dist., marked N B W M I R 53 M B T,
Land, high rolling mesa.
Soil, stony; 2nd and 3rd rate.
Timber, pine, oak, juniper; undergrowth scrub oak and
manzanita. Heavily timbered land, exceptionally difficult
to survey 83.88 chains. October 1, 1906.
- October 2: At 7 h. a. m., l.m.t., I set off 3 deg. 19' S.
on the decl. arc and 34 deg. 08' N. on the lat. arc and
determine a true meridian with the solar at the 53rs mile
cor.
Thence I run, continuing measurements from 53rd mile cor.
N. 72 deg. 37' W.,
- 7.33 A juniper tree, 20 ins. diam., marked N B W M I R 326,
which I change to A P N B W M I R 326, on S. face,
B M F R on N. face.
Thence I run,
S. 43 deg. 09' W., Var. 14-1/2 deg. E.
- 14.95 A dead pine stump, marked N B W M I R 327, which I uproot.
Set a sand stone, 18x10x6 ins., 12 ins. in ground, and
mark A P N B W M I R 327, on S. face, and B M F R on N. face
A juniper tree, 12 ins. diam., brs. N. 12 deg. W.,
25 lks. dist., marked A P 327 B T,
A pine tree, 12 ins. diam., brs. S. 36-1/2 deg.
E., 14 lks. dist., marked A P 327 B T.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION

CHAINS

- Thence I run,
S. 73 deg. 47' W.,
Var. 14-1/2 deg. E.

22.50 A pine tree, 12 ins. diam., marked N B W M I R 328, which
marks I change to A P N B W M I R 328, on S. face,
B M F R on N. face.
- Thence I run,
N. 41 deg. 20' W., Var. 15 deg. E.

23.60 A tree on line, marked W M I R 225, which I destroy.
Descend slope into canyon through dense scrub oak and locust
Begin ascent of canyon.
- 28.60

32.32 A juniper, 14 ins. diam., marked N B W M I R 329, which
I change to A P N B W M I R 329, on S. face,
B. M F R on N. face.
- Thence I run,
N. 42 deg. 11' W., Var. 15 deg. E.

37.80 A pine tree, 18 ins. diam., marked N B W M I R 330, which
I change to A P N B W M I R 330, on S. face,
B M F R on N. face.
- Thence I run,
N. 42 deg. 45' W., Var. 15 deg. E.

42.82 The 53-1/2 mile cor., which is a sandstone, 12x12x4 ft.,
above ground, marked N B W M I R 53-1/2 M. I oblit-
erate markings and remark
53-1/2 M on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stone,
3 ft. base, 2 ft., high, S. E. of cor. on line.
A juniper tree, 12 ins. diam., brs. S. 7 deg. W.,
18 lks. dist., marked N B W M I R 53-1/2 M B T,
A juniper tree, 14 ins. diam., brs. N. 55-1/2 deg.
E., 26 lks. dist., marked N B W M I R 53-1/2 M B T,
A juniper tree, 30 ins. diam., nrs. W. 57 lks.
Dist., marked N B W M I R 53-1/2 M B T,
An ash tree, 5 ins. diam., brs. N. 28 lks. dist.,
marked N B W M I R 53-1/2 M B T.
- Thence I run,
N. 27-1/2 deg. W.,
Var. 15 deg. E.

44.65 A juniper tree, 14 ins. diam., on line marked N B W M I R
331, which I change to A P N B W M I R 331, on S. face
B M F R on N. face
- Thence I run,
N. 41 deg. 42' W.,
Var. 15 deg. E.

45.95 A tree on line, marked W M I R 224, which I destroy.
- 54.50 A fir tree, 24 ins. diam., marked N B W M I R 332, which
I change to A P N B W M I R 332, on S. face,
B M F R on N. face.
- Thence I run,
N. 56 deg. W.,
Var. 15 deg. E.

56.14 A sandstone on line, 12x10x12 ft., above ground, marked
C C on N. and I R on S. faces, from which
A juniper tree, 15 ins. diam., brs. N. 12-1/2 deg.
W., 43 lks. dist., marked T 9 N R 22 E S 28 B T,
An oak tree, 5 ins. diam., brs. N. 44 deg. W.,
53 lks. dist., marked T 9 N R 22 E S 28 M B T.
- 61.24 A juniper tree on line, 15 ins. diam., marked N B W M I R
333, which I change to A P N B W M I R 333, on S.
face, B M F R on N. face.
- Thence I run,
S. 72 deg. 08' W.,
Var. 15 deg. E.

69.90 A fir tree, marked W M I R 223 N B 334. I obliterate
markings and re-mark A P N B W M I R 334, on S.
face,
B M F R on N. face.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains	<p>Thence I run, N. 71 deg. 30' W., Var. 15 deg. E.</p>
79.38 <i>69 91</i> <i>9 48</i>	<p>A dead pine, marked N B W M I R 335, which I change to A P N B W M I R 335, on S. face, B M F R on N. face. A pine tree, 18 ins. diam., brs. S. 33-1/2 deg. W., 16 lks. dist., marked A P 335 B T, A juniper tree, 15 ins. diam. brs., S. 26-1/2 deg. E., 36 lks. dist., marked A P 335 B T,</p>
84.08 <i>79 38</i> <i>4 70</i>	<p>Thence I run, N. 36-1/2 deg. W., Var. 15 deg. E.</p> <p>The 54th mile cor., which is a sandstone, 8x10x12 ins., above ground, marked N B W M I R 54 M. I obliterate markings and re-mark 54 M A P 336 on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., on line, A pine tree, 14 ins. diam., brs. N. 34 deg. E., 18 lks. dist., marked N B W M I R 54 M B T, A pine tree, 12 ins. diam., brs. N. 8-1/2 deg. W., 22 lks. dist., marked N B W M I R 54 M B T, A pine tree, 12 ins. diam., brs. S. 86-1/2 deg. W., 25 lks. dist., marked N B W M I R 54 M B T, A juniper tree, 10 ins. diam., brs. S. 29-1/2 deg. E., 55 lks. dist., marked N B W M I R 54 M B T,</p> <p>Land, high rolling mesa, scattering timber. Soil, stony; 2nd and 3rd rate. Timber, pine, oak, juniper, and undergrowth scrub oak. Land covered with dense undergrowth, and exceptionally difficult to survey, 84.08 chains.</p> <p style="text-align: center;">---oOo---</p> <p>Thence I run, continuing measurements from 54th mile cor. North, Var. 15 deg. E.</p>
22600	<p>Traillbrs. E. and W.</p>
3.77	<p>Find dead and fallen tree on line, marked N B W M I R 337, at which point I set a stake, 4 x 4 ins. and 4 ft. high, marked A P N B W M I R 337, on W. face, B M F R on E. face. A fir tree, 24 ins. diam., brs. N. 40 deg. W., 35 lks. dist., marked A P 337 B T, An oak tree, 6 ins. diam., brs. S. 80 deg. E., 50 lks. dist., marked A P 337 B T.</p>
6.57	<p>Thence I run, N. 8 deg. 15' W., Var. 15 deg. E.</p> <p>A tree on line, marked W M I R 222, which I destroy.</p>
7.77	<p>A juniper tree on line, 10 ins. diam., marked N B W M I R 338, which I change to A P N B W M I R 338, on W. face, B M F R on E. face.</p>
13.91 <i>7 77</i> <i>6 14</i>	<p>Thence I run, N. 12 deg. 13' E., Var. 15 deg. E.</p> <p>A juniper tree, 30 ins. diam., marked N B W M I R 339, which I change to A P N B W M I R 339, on W. face, B M F R on E. face.</p>
24.78 <i>13 91</i> <i>10 87</i>	<p>Thence I run, N. 39 deg. 14' E., Var. 14 deg. 35' E.</p> <p>A pine tree, 16 ins. diam., marked N B W M I R 340, which I change to A P N B W M I R 340, on W. face, B M F R on E. face.</p>
32.35 <i>24 78</i> <i>7 57</i>	<p>Thence I run, N. 31 deg. W., Var. 14-1/2 deg. E.</p> <p>A pine tree on line, 24 ins. diam., marked W M I R 221 N B 341. I obliterate markings and re-mark A P N B W M I R 341, on W. face, B M F R on E. face.</p>

Chains

- 40.41
32 35
8.06

Thence I run,
N. M26 deg. 45' E.,
Var. 15 deg. E.

The 54-1/2 mile cor., which is a sandstone, 12x12x4 ins.,
above ground, marked N B W M I R 54-1/2 M.
I obliterate markings and re-mark
54-1/2 M A P 342 on S. W. face,
N B W M I R on N. W. face,
B M F R on S. E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, S. W. of cor., from which
A juniper tree, 16 ins. diam., brs. N. 5 deg. E.,
12 lks. dist., marked N B W M I R 54-1/2 M B T,
A pinon tree, 8 ins. diam. brs. S. 37-1/2 deg. W.,
45 lks. dist., marked N B W M I R 54-1/2 M B T,
A pine tree, 12 ins. diam., brs. N. 66 deg. E.,
66 lks. dist., marked N B W M I R 54-1/2 M B T,
A pine tree, 10 ins. diam., brs. S. 81-1/2 deg. E.,
72 lks. dist., marked N B W M I R 54-1/2 M B T.
- 42.41
40
2.0

Thence I run,
N. 25 deg. 35' W., Var. 15 deg. E.

A pine tree, 6 ins. diam., marked N B W M I R 343, which
marking I change to A P N B W M I R 343, on S. face,
B M F R on N. face.
- 47.56
52 47
5.15

Thence I run,
N. 51 deg. 55' W.,
Var. 14-1/2 deg. E.

A pine tree, on line, 10 ins. diam., marked N B W M I R
344, which I change to A P N B W M I R 344, on S. face
B M F R on N. face, from which
A sandstone, 12x12x6 ins. above ground, marked
C C on N. face, I R on S. face, brs S. 48 deg.
E., 35 lks. dist., from which
A juniper tree, 10 ins. diam., brs. N. 59-1/4 deg.
E., 36 lks. dist., marked T 9 N R 22 E S 21 B T,
+ A juniper tree, 10 ins. diam., brs. S. 58-1/2 deg.
E., 97 lks. dist., marked T 9 N R 22 E S 27 B T,
- 54.91
42 57
7.35

Thence I run,
N. 44 deg. 18' W., Var. 14-1/2 deg. E.

A pine tree, on line, 15 ins. diam., marked W M I R 220
N B 345, which marking I obliterate and re-mark
A P N B W M I R 345 on W. face,
B M F R on E. face.
- 63.70
54 71
8.79

Thence I run,
N. 20 deg. 49' E., Var. 14-1/2 deg. E.

A pine tree, on line, 12 ins. diam., marked N B W M I R
346, which I change to A P N B W M I R 346, on W.
face, B M F R on E. face
- 71.37
63 9
7.67

Thence I run,
N. 20 deg, 17' W.,
Var. 14-1/2 deg. E.

A fir tree, 15 ins. diam., with signs of markings obliterated.
I remark A P N B W M I R 347, on W. face,
B M F R on E. face.
- 76.52
71 57
5.15

Thence I run,
N. 22 deg. E., Var. 14-1/2 deg. E.

A dead pine tree, 18 ins. diam., marked W M I R 219 N B
348, which markings I obliterate and re-mark A P N B
W M I R 348, on E. face, B M F R on W. face.

October 2nd. At noon, l.m.t., I set off 3 deg. 25-1/2' S.
on the decl. arc and observe the sun on the meridian; the
resulting lat. is 34 deg. 09' N.

Thence I run,
N. 71 deg. 40' E.,
Var. 14-1/2 deg. E.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- 81.80 $\frac{76.52}{4.28}$ The 55 mile cor. which is a sandstone, 8x6x8 ins. above ground, marked N B W M I R 55 M. I obliterate markings and re-mark 55 M A P 349 on S. W. face, N B W M I R on N. W. face, B M F R on S. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. W. of cor., from which
 A pine tree, 12 ins. diam., brs. S. 72 deg. E., 12 lks. dist., marked N B W M I R 55 M B T,
 A pine tree, 10 ins. diam., brs. N. 43-1/2 deg. E., 42 lks. dist., marked N B W M I R 55 M B T,
 A juniper tree, 30 ins. diam. brs. N. 20 deg. W., 30 lks. dist., marked N B W M I R 55 M B T,
 A pine tree, 12 ins. diam., brs. S. 66 deg. W., 16 lks. dist., marked N B W M I R 55 M B T.
 Land, mountainous, sparsely timbered.
 Soil stony, 2nd and 3rd rate.
 Timber, pine fir, juniper and oak; undergrowth scrub oak, manzanita and locust. Mountainous land, exceptionally difficult to survey 81.80 chains.
 ---oOo---
- 77000
 11.80 Thence I run,
 N. 62 deg. 20' E., Var. 14-1/2 deg. E.
 Head of draw, course S.W.
 A juniper tree on line, 20 ins. diam., marked N B W M I R 350, which I change to A P N B W M I R 350, on NW. face, B M F R on SE. face.
- 15.66 $\frac{11.8}{2.86}$ Thence I run,
 N. 24 deg. E., Var. 14-1/2 deg. E.
 A pine tree on line, 18 ins. diam., marked W M I R 21 N B 351. I obliterate markings and re-mark A P N B W M I R 351, on W. face, B M F R on E. face.
- 35.65 $\frac{15.65}{19.99}$ Thence I run,
 N. 5 deg. 32' W., Var. 14-1/2 deg. E.
 A pine tree, 14 ins. diam., marked N B W M I R 352, which I change to A P N B W M I R 352, on SW face, B M F R on N. face.
- 41.35 $\frac{35.65}{5.70}$ Thence I run,
 S. 68 deg. 41' W., Var. 14-1/2 deg. E.
 The 55-1/2 mile cor., which is a sandstone, 10x8x6 ins., above ground, marked N B W M I R 55-1/2 M. I obliterate markings and re-mark 55-1/2 M on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone 3 ft. base, 2 ft. high, N. E. of cor, on line,
 A pine tree, 24 ins. diam., brs. N. 26 deg. E., 13 lks. dist., marked N B W M I R 55-1/2 M B T,
 A pine tree, 10 ins. diam., brs. N. 81 deg. E., 53 lks. dist., marked N B W M I R 55-1/2 M B T,
 A pine tree, 14 ins. diam., brs. S. 34 deg. E., 42 lks. dist., marked N B W M I R 55-1/2 M B T,
 A juniper tree, 6 ins. diam., brs. S. 39 deg. W., 47 lks. dist., marked N B W M I R 55-1/2 M B T.
- 42.96 $\frac{41.35}{1.61}$ Thence I run,
 S. 70 deg. W., Var. 14-1/2 deg. E.
 Find a mound of stone on line, and dead uprooted tree marked W M I R 217 N B 353. A pine tree, 15 ins. diam., stands close beside which I mark A P N B W M I R 353, on S. face, B M F R on N. face.
 Thence I run,
 N. 72 deg. 41' W.,
 Var. 14-1/2 deg. E.

RESURVEY NORTH BOUNDRY WHITE MOUNTAIN INDIAN RESERVATION.

chains	
58.03 <i>42 96 15.07</i>	A juniper, 20 ins. diam., marked N B W M I R 354, which mark I change to A P N B W M I R 354, on S. face B M F R on N. face Thence I run, N. 53 deg. W., Var. 14-1/2 deg. E.
63.73	A tree, marked W.M I R 216, which I destroy.
73.83 <i>58 03 15.80</i>	A juniper tree, 15 ins. diam., marked N B W M I R 355, which marks I change to A P N B W M I R 355, on S. face, B M F R on N. face. Thence I run, N. 67 deg. W., Var. 14-1/2 deg. E.
76.10 <i>73 83 2.27</i>	A pine tree, on line, 10 ins. diam., marked N B W M I R 356, which marks I change to A P N B W M I R 356, on S. face, B M F R on NE face. Thence I run, N. 13 deg. 36' W., Var. 14-1/2 deg. E.
83.16 <i>76 16 7.06</i>	The 56th mile cor., which is a sandstone, 24x12x4 ins., set in a mound of stone, marked N B W M I R 56 M., which marking I obliterate and re-mark 56 M A P 357 on S. face, N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor., on line, A pine tree, 12 ins. diam., brs. S. 67 deg. W., 35 lks. dist., marked N B W M I R 56 M B T, A juniper tree, 24 ins. diam., brs. S. 72-1/2 deg. E., 83 lks. dist., marked N B W M I R 56 M B T, A juniper, 20 ins. diam., brs. N. 18-1/2 deg. E., 90 lks. dist., marked N B W M I R 56 M B T, A juniper tree, 6 ins. diam., brs. N. 5 deg. 45' W., 72 lks. dist., marked N B W M I R 56 M B T. Land, mountainous and sparcely timbered. Soil, stony, 2nd, and 3rd rate. Timber, pine, oak, juniper; undergrowth scrub oak, and pine. Mountainous land, exceptionally difficult to survey 83.16 chains.
	---oOo---
	Thence I run, continuing measurements from 56th mile cor. N. 18 deg. 35' E., Var. 14-1/2 deg. E.
2.00	A mound of stone and tree on line, marked W M I R 215, which I destroy.
3.00	A sandstone, 10x8x12 ft., above ground, on line, marked C C on E. face, I R on W. face, from which A pinon tree, 6 ins. diam., brs. N. 65 deg. E., 1355 lks. dist., marked T 9 N R 22 E S 16 B T,
8.69	A pine stump on line, with markings obliterated, which I remark A P N B W M I R 358, on W. face, B M F R on E. face. A pine tree, 15 ins. diam., brs. S. 51 deg. E., 15 lks. dist., marked A P 358 B T, A pine tree, 12 ins. diam., brs. N. 85 deg. E., 20 lks. dist., marked A P 358 B T, Thence I run, N. 2 deg. 37' E., Var. 14-1/2 deg. E.
16.75 <i>8 69 8.06</i>	A pine tree, 18 ins. diam., marked N B W M I R 359, which I change to A P N B W M I R 359, on W. face B M F R on E. face. Thence I run, N. 35 deg. 40' E., Var. 14-1/2 deg. E.
27.08 <i>16 75 10.33</i>	Along top of ridge. A juniper tree, 14 ins. diam., marked N B W M I R 360 which I change to A P N B W M I R 360, on W. face, B M F R on E. face.

Chains

- Thence I run,
N.19° 28'E.
Var. 14 1/2° E.
- 30.58 A tree and mound of stone on line marked WMIR 214,
which I destroy.
- 30.83 A pine tree 24" diam. marked NBWMIR 361 which I change
to APNBWMIR 361 on W. & BMFR on E. faces,
Thence N.30°25'W.
Var: 14 1/2° E.
Desc., steep slope into canyon.
- 37.98 To the 56 1/2 mile cor., a sandstone 10x8x4 ins. above
ground with md. of stone alongside marked NBWMIR
56 1/2 M., which I change to NBWMIR 56 1/2 M. on
SW. face & BMFR on NE. face and raise a mound
of stone 3 ft. base 2 ft. high E. of cor.
from which,
An oak tree 6" diam. brs. N.8° E. 20 lks. dist.
marked NBWMIR 56 1/2 M.B.T.
An oak tree 6" diam. brs. S. 65° W. 33 lks. dist.
marked NBWMIR 56 1/2 M.B.T.
A juniper tree 12" diam. brs. S. 51° E. 75 lks. dist.
marked NBWMIR 56 1/2 M.B.T.
A pine tree 12" diam. brs. S. 16° E. 99 lks. dist.
marked NBWMIR 56 1/2 M.B.T.
Thence,
N.48° 30'W.
Var. 14 1/2° E.
- 39.27 A juniper tree 18" diam. on line marked NBWMIR 362 which
I change to APNBWMIR 362 on S. & BMFR on N.E. faces.
Thence, N.49° 30'W.
Var. 14 1/2° E.
- 47.27 A tree marked WMIR 213 with a mound of stone which I
destroy.
- 50.27 Bottom of gulch 3 chs. wide course W. asc.
- 50.77 Road to Forest Dale brs. E. & W.
- 54.52 A pine tree on line 12" diam. marked NBWMIR 363, which
I change to APNBWMIR 363 on S & BMFR on N.E. faces.
A pinon tree 6" diam. brs. S. 28° W. 25 lks. dist.
marked A.P. 363 B.T.
A Binon tree 6" diam. brs. S. 57-1/2° E. 7 lks. dist.
marked A.P. 363 B.T.
- Thence N. 56° 56' W.
Var. 14 1/2° E.
- 57.57 Find a dead juniper tree on line 12" diam. which I mark
for A.P. 364, APNBWMIR 364 on S. face & BMFR on
N. face, from which,
a pine tree 4" diam. brs. N. 20° E. 15 lks. dist. marked
A.P. 364 B.T.
A pine tree 4" diam. brs. S. 67° W. 20 lks. dist.
marked A.P. 364 B.T.
Thence; N. 18° 44' W.
Var. 14 1/2° E.
- 65.57 begin steep ascent over sandstone bldrs.
- 68.74 A pine tree 12" diam. marked NBWMIR 365, which I change
to APNBWMIR 365 on S.W. & B.M.F.R. on on E. faces.
Thence N. 87° W.
Var. 14 1/2° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

BOOK 2070

Chains
72.59
68.74
3.85

A juniper tree on line 15" diam. marked NBWMIR 366, which I change to APNBWMIR 366 on W. face & B.M.F.R. on N.E. faces.

Thence, N. 19° W.

Var. 14 1/2° E.

79.64

To 57 mile cor., a sandstone 18x16 x12 ins. above ground with mound of stone alongside marked NBWMIR 57 M. which I obliterate, NBWMIR 57 M. on S. W. & B.M.F.R. on N.E. faces and raise a mound of stone 3 ft. base 2 ft. high N.E. of cor. from which,

A pine tree 20" diam. brs. N. 18 1/2° E. 98 lks. dist. marked BBWMIR 57 M.B.T.

A fir tree 18" diam. brs. S. 4 1/2° W. 33 lks. dist. marked NBWMIR 57 M.B.T.

An oak tree 10" diam. brs. N. 22 1/2° E. 95 lks. dist. marked BBWMIR 57 M.B.T.

A cedar tree 40" diam. brs. S. 70° W. 53 lks. dist. marked NBWMIR 57 M.B.T.

land mts .

Soil, stony 2nd & 3rd rate.

Timber, pine juniper cedar oak,

Undergrowth, scrub oak, pine .

Mts. land heavily timbered and exc. difficult to Survey 79.64 chs.

Oct. 2, 1906.

-----ooooooooooooo-----

Oct. 3, 1906 at 7 30 a.m., 1.m.t. I set off 3° 43' S. on the decl. arc. and 34° 11' N. on the lat. arc. and determine a true mer. with the solar at the 57 mile cor.

Thence I run, continuing measurement from the 57 mile cor.

N. 31° 12' W.

Var. 14 1/2° E.

5.37 A juniper tree 12" diam. marked NBWMIR 368, which I change to APNBWMIR 368 on S. face & B.M.F.R. on N. face.

Thence N. 55° W.

Var. 14 1/2° E.

7.97

A pine tree 18" diam. on line marked WMIR 212, N.B. 369, which I change to APNBWMIR 369 on S. & BMFR on N. faces.

Thence N. 57° W.

Var. 14 1/2° E.

14.66

A pine tree 14" diam. on line marked NBWMIR 370, which I change to APNBWMIR on S. & BMFR on NE faces.

Thence N. 7° 45' E.

Var. 14 1/2° E.

16.88

A pine tree on line 24" diam. marked NBWMIR 371 which I change to APNBWMIR 371 on W. face & BMFR on E. face.

A sand stone 14x14x6 ins. above ground brs. S. 6° W.

45 lks dist. marked C.C. on W. I R. on E. face from which a pine tree 14" diam. brs. N. 71° 45' E. 91 lks. dist.

Marked T9 N. R. 22 E. S. 16 B.T.

A sand stone 12x15 x 4 ins. above ground brs N. 30° 45'

W. 295 chs. dist. marked C.C. on E. IR on W. f

faces from which a pine tree 3" diam. brs S. 50° E.

70 lks. dist. marked T. 9 N. R. 22 E. S. 17 B.T.

Chains

- A pine tree 6" diam. brs. N. 17 1/2 ° E. 63 lks. dist. marked
 T.9 N. R. 22 E. S. 8 B.T.
 Thence
 N. 31° 34' W.
 Var. 14 1/2 ° E.
- 21.72 A dead and fallen tree marked N.B.W.M.I.R. 372, which I
 destroy, and set a sandstone 18x12x5 ins. 12 ins. in the
 ground marked APNBWMIR 372 on W. face and B.M.F.R. on
 E. face, from which,
 A pine tree 24" diam. brs. S. 41 1/2 ° E. 32 lks. dist.
 marked A.P. 372 B.T.
 A pine tree 12" diam. brs. N. 82 1/2 ° W. 67 lks. dist.
 marked A.P. 372 B.T.
 Thence N. 10° 45' W.
 Var. 14 1/2 ° E.
- 24.88 A pine tree 14" diam. on line marked NBWMIR 373 which
 marks I change to APNBWMIR 373 on W. face and BMFR
 N.E. faces.
 Thence, N. 51° 10' NW,
 Var. 14 1/2 ° E.
- 27.08 A tree on line marked WMIR 211 which I destroy.
- 34.88 Trail, brs. N.E. & S.W.
- 36.85 A juniper tree 12" diam. marked NBWMIR 374, which I
 change to APNBWMIR 374 on S. & BMFR on N. faces.
 Thence ? N. 72° 30' W.
 Var. 14 1/2 ° E.
- 41.03 To 57 1/2 mile cor., a sandstone 10x10x12 ins. above gr.
 mkd. NBWMIR 57 1/2 M., which I obliterate and re-mark
 NBWMIR 57 1/2 M. on S.W. & B.M.F.R. on N.E. faces
 and raise a mound of stone 3 ft. base 2 ft. high SE. of
 Cor. from which.
 A pine tree 14" diam. brs. N. 47° E. 46 lks. dist.
 marked NBWMIR 57 1/2 M. B.T.
 A juniper tree 12" diam. brs. N. 24° W. 45 lks. dist.
 marked NBWMIR 57 1/2 M. B.T.
 A pine tree 10" diam. brs. S. 30° W. 57 lks. dist.
 marked NBWMIR 57 1/2 M. B.T.
 A pine tree 24" diam. brs. N. 20. 1/2 ° E. 53 lks. dist.
 marked NBWMIR 57 1/2 M. B.T.
 Thence N. 77° 35' W.
 Var. 14 1/2 ° E.
- 45.73 A pine tree on line 18" diam. marked NBWMIR 375, which I
 change to APNBWMIR 375 on S.W. face & BMFR on NE face.
 Thence S. 61° 30' W.
 Var. 14 1/2 ° E.
- 50.81 A pinon tree on line 14" diam. marked NBWMIR 376, which
 I change to APNBWMIR 376 on SW & BMFR on NE faces.
 Thence N. 40° 46' W.
 Var. 14 1/2 ° E.
- 52.61 find a tree on line marked WMIR 210 which I destroy.
- 60.89 A pine tree 14" diam. marked NBWMIR 377, which
 I change to APNBWMIR 377 on W. & BMFR on E. faces .
 Thence N. 5° 43' W.
 Var. 14 1/2 ° E.
 along top of ridge.

RESURVEY NORTH BDY. WHITE MOUNTAIN INDIAN RESERVATION

Chains

66.93
60.89
6.04

A pine tree 14" diam. marked NBWMIR 378 which I change to APNBWMIR 378 on W. & BMFR on E. faces.
Thence N. 43° 26' W.
Var. 14 1/2° E.

81.48

66.93
14.55

To 58 mile cor., sandstone 14 x 14 x 8 ins. above ground with md. of stone alongside marked NBWMIR 58 M. I re-mark NBWMIR 58 M on S.W. & BMFR on E. faces, and raise a mound of stone 3 ft. base 2 ft. high S.E. of cor. from which,
A juniper tree 24" diam. brs. S. 78° W. 13 lks. dist. marked NBWMIR 58 M.B.T.
A pine tree 12" diam. brs. N. 60 1/2° E. 27 lks. dist. marked NBWMIR 58 M.B.T.
An oak tree 4" diam. brs. S. 51° E. 9 lks. dist. marked NBWMIR 58 M.B.T.
An oak tree 4" diam. brs. S. 55° E. 12 lks. dist. marked NBWMIR 58 M.B.T.
Land mts. Soil, stony 2nd & 3rd rate.
Timber pine cedar, juniper, fir, & oak.
Undergrowth, scrub oak, pine, manzanita.
Mts. land heavily timbered & exc. difficult to survey 81.48 chs.

---oooOooo---

Thence I run, continuing measurement from the 58 mile cor. N. 11° 30' E.
Var. 14 1/2° E.

87.31

a dead and fallen tree on line marked VMIR 208 NB. 380, which I destroy, and mark a sandstone ledge beside the original tree APNBWMIR 380 on S.W. & BMFR on N.E. faces. from which a juniper tree 15" diam. brs. S. 30° W. 13 lks. dist. marked AP 380 B.T.
A pinon tree 10" diam. brs. S. 48° E. 28 lks. dist. marked A.P. 380 B.T.

Thence, N. 14° 46' W.
Var. 14 1/2° E.

12.07

9.81
4.26

An oak tree 6" diam. marked NBWMIR 381, which I change to APNBWMIR 381 on W. face & B.M.F.R. on E. face.

Thence N. 19° 18' E.
Var. 14 1/2° E.

19.81

12.07
7.74

A pine tree 24" diam. marked NBWMIR 382, which I change to APNBWMIR 382 on W. & BMFR on E. faces.
Thence, N. 52° 39' W.
Var. 14 1/2° E.

24.31

34.21

34.31

19.81
14.50

Road, brs. N.W. & S.E.
Cross road Brs. N.W. & S.E..
A pine tree 24" diam. marked NBWMIR 383, which I change to APNBWMIR 383 on W. & BMFR on E. faces
Thence N. 16° 50' W.

34.51

36.98

24.51
2.47

Cross road, brs N.E. & S.W..
A pine tree 18" diam. on line, dead, marked NBWMIR 384 which I change to APNBWMIR 384 on W. face & BMFR on E. face. from which,
A pine tree 12" diam. brs. N. 5° W. 7 lks. dist. mkd. AP384BT.
A pine tree 18" diam. brs. S. 55° E. 20 lks. dist. marked A.P. 384 B.T.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- Thence I run, N. 1° W.
 Var. $14\frac{1}{2}^{\circ}$ E
- 41.41
 $\frac{36.98}{4.53}$
 To 58 $\frac{1}{2}$ mile cor., a sandstone $18 \times 18 \times 6$ ins. above ground marked NBWMIR 58 $\frac{1}{2}$ M. which I change to NBWMIR 58 $\frac{1}{2}$ M on W. & BMFR on E. faces and raise a mound of stone 3 ft. base 2 ft. high S. of cor. from which.
 A pine tree 24" diam. brs. S. 30° E. 23 lks. dist. marked NBWMIR 58 $\frac{1}{2}$ M. B. T.
 A juniper tree 20" diam. brs. S. 48° W. 26 lks. dist. marked NBWMIR 58 $\frac{1}{2}$ M. B. T.
 A juniper tree 18" diam. brs. N. 73° E. 88 lks. dist. marked NBWMIR 58 $\frac{1}{2}$ M. B. T.
 A pine tree 16" diam. brs. N. 8° E. 95 lks. dist. marked NBWMIR 58 $\frac{1}{2}$ M. B. T.
 Oct. 3, 1906 at 12 m., l.m.t., I set off $3^{\circ} 49'$ S. on the decl. arc. and obs. the sun on the mer. the resulting lat. is $34^{\circ} 11'$ N.,
 Thence,
 N. 51° W.
 Var. $14\frac{1}{2}^{\circ}$ E.
- 47.39
 $\frac{41.41}{5.98}$
 A dead and fallen pine on line marked NBWMIR 386 which I obliterate and beside the original tree set a sandstone $18 \times 10 \times 6$ ins. 12 ins. in the ground marked APNBWMIR 386 on S.W. & B.M.F.R. on N.E. faces from which,
 A juniper tree 12" diam. brs. N. 8° E. 48 lks. dist. marked A.P. 386 B. T.
 A pine tree 12" diam. brs. N. 21° W. 54 lks. dist. marked A.P. 386 B. T.
 Thence S. $87^{\circ} 47'$ W.
 Var. $14\frac{1}{2}^{\circ}$ E.
- 59.10
 $\frac{47.39}{11.71}$
 A pine stump marked NBWMIR 387, which I change to APNBWMIR 387 on S.W. face & BMFR on N.E. face from which, a pine tree 15" diam. brs. N. 85° E. 16 lks. dist. marked A.P. 387 B. T.
 An oak tree 5" diam. brs. N. 12° W. 18 lks. dist. marked A.P. 387 B. T.
 Thence N. $58^{\circ} 25'$ W.
 Var. $14\frac{1}{2}^{\circ}$ E.
- 64.84
 $\frac{59.10}{5.74}$
 A juniper tree 12" diam. marked NBWMIR 388, which I change to A.P.N.B.W.M.I.R. 388 on S.W. face & BMFR on N.E. face.
 A sandstone $18 \times 24 \times 4$ ins. above ground marked C.C. on E., I.R. on W. faces, brs. N. $0^{\circ} 20'$ W. 183 lks. dist. from which a pine tree 6" diam. brs. S. 62° E. 66 lks. dist. marked T. 9 N. R. 22 E. S. 8 B. T.
 An oak tree 7" diam. brs. N. $26\frac{1}{2}^{\circ}$ E. 40 lks. dist. marked T 9 N. R. 22 E. S. 5 B. T.
 Thence,
 N. $8^{\circ} 20'$ W.
 Var. $14\frac{1}{2}^{\circ}$ E.
- 69.57
 $\frac{64.84}{4.73}$
 A pine tree 24" diam. marked WMIR 206 NB389, which I change to APNBWMIR 389 on W. & BMFR on E. faces,
 Thence N. $8^{\circ} 56'$ E.
 var. $14\frac{1}{2}^{\circ}$ E.
- 79.21
 $\frac{69.57}{9.64}$
 A pine tree 18" diam. marked NBWMIR 390, which I change to APNBWMIR 390 on W. & BMFR on E. faces
 Thence, N. $28^{\circ} 42'$ W.
 Var. $14\frac{1}{2}^{\circ}$ E.

RESERVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

82.58
79.21
3.37

To 59 mile cor., a sandston 10x10x8 ins. above ground marked NBWMIR 59 M., I remark same NBWMIR 59 M. on W. & BMFR on E. faces and raise a mound of stone 3 ft. base 2 ft., high. S.E. of Cor. from which,
 A juniper tree 15" diam. brs. N. 72° E. 25 lks. dist. marked NBWMIR 59 M.B.T.
 A pine tree 12" diam. brs. S. 51 1/2° W. 55 lks. dist. marked NBWMIR 59 M.B.T.
 A pine tree 18" diam. brs. S. 19° W. 46 lks. dist. marked NBWMIR 59 M.B.T.
 A pine tree 12" diam. brs. S. 72° W. 68 lks. dist. marked NBWMIR 59 M.B.T.
 Land mts. soil, stony 2nd & 3rd rate.
 Timber pine oak juniper cedar.
 Undergrowth scrub oak, pine, locust.
 Mts. land covered with dense undergrowth and exc. difficult to survey 82.58 chs.

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9.10
9.25
10.93

Thence I run, continuing measurments from 59th mile cor.
 N. 2° 55' W.
 Var. 14 1/2° E.
 Descending into low gap.
 Tree marked W M I R 205, which I destroy.
 Cross road, br's. E. and W.
 Find a juniper tree and pinon grown together, the pinon marked N B W M I R 392, which marks I change to A P N B W M I R 392, on W. face and B M F R on E. face.

18.49
10.93
7.56

This cor. in low gap, canyons to north and south.
 Thence I run,
 N. 27° W.,
 Var. 14 1/2° E.
 Ascending along ridge.
 A pine tree, 24 ins. diam., marked N B W M I R 393, which marks I change to A P N B W M I R 393 on S. face and B M F R on N. Face.
 A sandstone, 20 x 8 x 18 ins., above ground, marked C C on N., and I R on S. faces, brs. S. 75 1/2° W., 2.42 chs. dist., from which
 A pine tree, 6 ins. diam., brs. N. 35° W., 110 lks. dist., marked T 9 N R 22 E S 6 B T.
 Thence I run, S. 83° W., 110 lks. dist. marked T 9 N R 22 E S 5 B T.
 Thence I run, S. 83° W., Var. 14-1/2° E.

23.99
18.49
5.50

Ascending.
 A pine tree on line, 12 ins. diam., marked N B W M I R 394, which I change to A P N B W M I R 394, on S. face and B M F R on N. face.
 Thence I run,
 N. 58° 05' W.,
 Var. 14 1/2° E.

28.84
23.99
4.85

Along top of ridge.
 A dead tree stump, on line, marked W M I R 204, which marks I obliterate and remark A P N B W M I R 395 on S. face and B M F R on N. Face.
 An oak tree, 6 ins. diam., brs. S. 52 1/2° E., 13 lks. dist., marked A P 395 B T,
 An oak tree, 12 ins. diam., brs. N. 87° E., 44 lks. dist., marked A P 395 B T,
 Thence I run,
 S. 64° W.,
 Var. 14 1/2° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

35.78

28 84

6.94

A juniper tree on line, 12 ins. diam., marked N B W M I R 396, which marks I change to A P N B W M I R 396 on S. face and B M F R on N. face.

Thence I run,

S. $55^{\circ} 40'$ W.Var. $14\frac{1}{2}^{\circ}$ E.

42.90

28 78

7.12

The $59\frac{1}{2}$ mile cor., which is a sandstone, 18 x 8 x 6 ins., set in a mound of stone, and marked N B W M I R $59\frac{1}{2}$ M. I obliterate markings and remark $59\frac{1}{2}$ M A P 397 on N. E. face,

N B W M I R on S. E. face,

B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor, of line.

A juniper tree 24 ins. diam., brs. N. 27° E., 54 lks. dist., marked N B W M I R $59\frac{1}{2}$ M B T,A juniper tree 18 ins. diam., brs. N. 22° W., 30 lks. dist., marked N B W M I R $59\frac{1}{2}$ M B T,A pine tree 12 ins. diam., brs. N. $40^{\circ} 45'$ E., 86 lks. dist., marked N B W M I R $59\frac{1}{2}$ M B T,An oak tree, 6 ins. diam., brs S. 19° W., 64 lks. dist., marked N B W M I R $59\frac{1}{2}$ M B T,

Thence I run,

S. $88^{\circ} 41'$ W.,Var. $14\frac{1}{2}^{\circ}$ E.

46.68

42 9

3.78

A dead tree stump, with markings obliterated, which I remark A P N B W M I R 398, on SW face and B M F R on N. face.

An oak tree, 3 ins. diam., brs. S. 25° W., 33 lks. dist., marked A P 398 B T,

An oak tree 3 ins. diam., brs. West 22 lks. dist., marked A P 398 B t,

Thence I run,

S. $20^{\circ} 57'$ W.Var. $14\frac{1}{2}^{\circ}$ E.

53.76

46.68

7.08

A pinon tree, 12 ins. diam., marked N B W M I R 399 which marks I change to A P N B W M I R 399, on S. face and B M F R on N. face

Thence I run,

S. 59° W.,Var. $14\frac{1}{2}^{\circ}$ E.

59.21

52 26

7.45

A cedar tree, 12 ins. diam., on line marked N B W M I R 400, which I change to A P N B W M I R 400 on S. face and B M F R on N. face.

Thence I run,

S. $79^{\circ} 20'$ W.,Var. $14\frac{1}{2}^{\circ}$ E.

62.39

54 21

3.18

A pine tree on line, 12 ins. diam., marked N B W M I R 401, which I change to A P N B W M I R 401, on S. face and B M F R on N. face.

Thence I run,

S. 56° W., Var. $14-1/2^{\circ}$ E.

64.09

60 49

6.70

A tree, mka. WMIR 203, and md. stone, which I destroy.
A juniper tree on line, 36 ins. diam., marked N B W M I R 402, which marks I change to A P N B W M I R 402 on S. face and B M F R on N. face.

Thence I run,

S. $75\frac{1}{4}^{\circ}$ W.,Var. $14\frac{1}{2}^{\circ}$ E.

80.32

73 64

6.68

A pine tree 12 ins. diam., marked N B W M I R 403, on S. face and B M F R on N. face.

Thence I run,

N. $79^{\circ} 48'$ W.Var. $14\frac{1}{2}^{\circ}$ E.

chains
84.16
3.84

The 60th mile cor., which is a sandstone, 6 x 8 x 10 ft., above ground, with mound of stone alongside and marked N B W M I R 60 M. I obliterate marks and mound of stone, and remark 60 M A P 404 on E. face, N B W M I R on S. face B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor., from which A juniper tree, 15 ins. diam., brs. N. 67 1/2° E., 39 lks. dist., marked N B W M I R 60 M B T, A pinon tree, 12 ins. diam., brs. N. 63° W., 65 lks. dist., marked N B W M I R 60 M B T, A juniper tree, 30 ins. diam., brs. S. 62° W., 89 lks. dist., marked N B W M I R 60 M B T, A pinon tree, 12 ins. diam., brs. S. 62° W., 89 lks. dist., marked N B W M I R 60 M B T,

Land, mountainous.

Soil, stony, 2nd and 3rd rate.

Timber, pine, juniper, oak and cedar; undergrowth scrub-oak and pines. Mts. land, covered with dense undergrowth, and exc. difficult to survey, 84.16 chs.

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Thence I run, continuing measurements from 60th mile cor. S. 57° 40' W.

Var. 14 1/2° E.

4.25 A mound of stone on line.

4.87 A pine tree on line, 18 ins. diam., marked W M I R 202, N B 405. I obliterate markings and remark A P N B W M I R 405, on S. face and B M F R on N. Face.

Thence I run,

S. 73° 25' W.,

Var. 14 1/2° E.

9.01 A juniper tree 24 ins. diam., on line, marked N B W M I R 406, which I change to A P N B W M I R 406, on S. face and B M F R on N. face.

Thence I run,

S. 24° 05' W.,

Var. 14 1/2° E.

12.63 A pine tree on line, 10 ins. diam., marked N B W M I R 407, which I change to A P N B W M I R 407, on S. face and B M F R on N. face.

Thence I run,

S. 62° 52' W.,

Var. 14 1/2° E.

17.36 A dead and fallen tree marked N B W M I R 408. I destroy markings and

Set a stake, 4 x 4 x 4 ft., in a mound of stone, marked A P N B W M I R on S. face and B M F R on N. face.

An oak tree 6 ins. diam., brs. S. 76° E., 26 lks. dist., marked A P 408 B T,

An oak tree 10 ins. diam., brs. S. 8° E., 26 lks. dist., marked A P 408 B T,

Thence I run,

S. 23° 07' W.,

Var. 14 1/2° E.

Ascend along ridge.

25.14 A dead and fallen tree, marked W M I R 201 N B 409, on line, which I destroy.

Set a stake, 4 x 4 x 4 ft., above ground, marked A. P N B W M I R on S. face and B M F R on N. face.

A juniper tree, 22 ins. diam., brs. S. 31° lks. dist., marked A P 409 B T,

A juniper tree, 18 ins. diam., brs. S. 67° W., 74 lks. dist., marked A P 409 B T,

RESERVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

- A sandstone, 24 x 12 x 6 ins., above ground marked C C
on W. face, I R on E. face, brs. N. 25° E., 248
lks. dist., from which
A pine tree, 12 ins. diam., brs. N. 70° W., 74 lks.
dist., marked T 9 N R 22 E S 6 B T,
A pine tree, 10 ins. diam., brs. S. 75° W., 107
lks. dist., marked T 9 N R 22 E S 7 B T.
- Thence I run,
S. 41° 15' W.,
Var. 14½° E.
- 31.57 A juniper tree on line, 12 ins. diam., marked N B W M I R
410, which marks I change to A P N B W M I R 410,
on S. face and B M F R on N. face.
Thence I run,
S. 22° 15' W.,
Var. 14½° E.
- 35.85 A dead juniper tree, 30 ins. diam., marked N B W M I R
411, on line, which marks I change to A P N B W M I R
411 on S. face and B M F R on N. face.
A juniper tree 12 ins. diam., brs. S. 86° E.,
23 lks. dist., marked A P 411 B T,
A juniper tree 12 ins. diam., brs. N. 60° E., 21
lks. dist., marked A P 411 B T.
- A sandstone 12 x 12 x 8 ins., above ground, marked C C
on N. face, I R on S. face, brs. S. 54° W., 1.28
chs. dist., from which
A juniper tree, 24 ins. diam., brs. N. 60° E.,
100 lks. dist., marked T 9 N R 22 E S 7 B T,
An oak tree, 15 ins. diam., brs. N. 42° W., 82
lks. dist., marked T 9 N R 21 E S 12 B T.
- Thence I run,
S. 68½° W.,
Var. 14½° E.
- 40.38 A pine tree on line, 18 ins. diam., marked N B W M I R
412, which I change to A P N B W M I R 412, on S.
face and B M F R on N. face.
Thence I run,
S. 39° 20' W.,
Var. 14½° E.
- 40.94 The 60½ mile cor., which is a sandstone, 8 x 6 x 10
ins., above ground, with mound of stone alongside,
and marked N B W M I R 60½ M. I obliterate marks
and mound of stone, and remark
60½ M A P 413 on N. E. face,
N B W M I R on S. E. face,
B M F R on N. W. face, and raise a mound of stone,
3 ft. base, 2 ft high, N. E. of cor.,
from which
A pine tree, 10 ins. diam., brs. N. 42½° E.,
56 lks. dist., marked N B W M I R 60½ M B T,
A pine tree, 18 ins. diam., brs. S. 13° E., 49
lks. dist., marked N B W M I R 60½ M B T,
A juniper tree, 24 ins. diam., brs. N. 44½° W.,
53 lks. dist., marked N B W M I R 60½ M B T,
An Oak tree, 12 ins. diam., brs. S. 60½° E.,
71 lks. dist., marked N B W M I R 60½ M B T.

October 3, 1906.

October 4; At 7:30 a.m., l.m.t., I set off 4° 06½' S.
on the decl. arc and 34° 11' N. on the lat. arc and
determine a true meridian with the solar at the 60½
mile cor.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- Thence I run,
S. 85° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
Along top of ridge.
- 47.24 A tree on line, marked W M I R 200, which I destroy.
55.22 A pine tree, 15 ins. diam., marked N B W M I R 414,
40.94 which I change to A P N B W M I R 414, on S. face,
14.24 and B M F R on N. face.
- Thence I run,
S. $70^{\circ} 08'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 59.56 A dead tree on line, marked N B W M I R 415, which
55.22 markings I change to A P N B W M I R 415, on S. face
4.34 and B M F R on N. face.
- Thence I run,
N. $88^{\circ} 25'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 68.21 A pinon tree, 12 ins. diam., marked N B W M I R 416,
57.52 which I change to A P N B W M I R 416, on S. face
8.65 and B M F R on N. face.
- Thence I run,
N. 88° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 69.97 A pinon tree (dead) marked N B W M I R 417, which I de-
68.21 stroy,
1.76 Beside the pinon tree a juniper, 10 ins. diam., which
I mark A P N B W M I R 417, on S. face and
B M F R on N. face.
- Thence I run,
S. $72\frac{1}{2}^{\circ}$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 71.84 A pine tree, 18 ins. diam., marked W M I R 199 N B 418,
69.97 which markings I obliterate and remark A P N B W
1.87 M I R 418 on S. face and B M F R on N. face.
- Thence I run,
S. $53^{\circ} 06'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 76.13 A pinon tree, 14 ins. diam., marked N B W M I R 419,
71.84 which marks I change to A P N B W M I R 419 on S.
4.29 face and B M F R on N. face.
- Thence I run,
S. 25° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 80.30 A dead pine tree on line, 18 ins. diam., marked N B W M
76.13 I R 420, which marks I change to A P N B W M I R ^{on}
3.17 S. face and B M F R on N. face. 420
A pine tree, 12 ins. diam., brs. N. 43° E., 42
lks. dist., marked A P 420 B T,
A pine tree 14 ins. diam., brs. S. 61° E., 22
lks. dist., marked A P 420 B T.
- Thence I run,
S. $21^{\circ} 30'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 81.95 The 61 mile cor., which is a sandstone, 10 x 6 x 12 ins.,
above ground, with mound of stone alongside, marked
N B W M I R 61 M. I obliterate marks and mound of
stone and remark
61 M. on N.,
N B W M I R on E.
B M F R on W. faces and raise a mound of stone, 3 ft.
base, 2 ft. high, S. of cor.,

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

from which

- A pine tree, 24 ins, diam., brs. $81\frac{1}{2}^{\circ}$ E.,
47 lks, dist., marked N B W M I R 61 M B T .
A juniper tree, 18 ins. diam., brs. S. 52° E.,
16 lks. dist., marked N B W M I R 61 M B T .
A juniper tree, 8 ins. diam., brs. S. $55\frac{1}{2}^{\circ}$ W.,
47 lks. dist., marked N B W M I R 61 M B T ,
A pine tree, 18 ins, diam., brs. N. 85° W., 41
lks. dist., marked N B W M I R 61 M B T .

Land, mountainous.

Soil, stony; 2nd and 3rd rate.

Timber, scattering pine, oak, juniper and cedar; under-
growth scrub pine, oak and manzanita. Mts. land covered
with dense undergrowth, and exc. difficult to sur. 81.95 chs.

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Thence I run, continuing measurements from 61 mile core,
S. 44° W.,Var. $14\frac{1}{2}^{\circ}$ E.

- 3.62 A dead pine tree on line, 12 ins. diam., marked N B W M I R
421, which marking I change to A P N B W M I R 421,
on S. face and B M F R on N. face.

A pine tree 14 ins. diam., brs. S. $3\frac{1}{2}^{\circ}$ W., 26
lks. dist., marked A P 421 B T,A pine tree, 12 ins. diam., brs. S. $36\frac{1}{2}^{\circ}$ W.,
21 lks. dist., marked A p 421 B T.

Thence I run,

S. 56° 41' W.,Var. $14\frac{1}{2}^{\circ}$ E.

- 11.77 A dead juniper tree on line, marked N B W M I R 422, which
I mark A P N B W M I R 422, on S. face and B M F R on
N. face.

A pine tree, 10 ins. diam., brs. N. 53° W., 47
lks. dist., marked A P 422 B T,A pine tree, 8 ins. diam., brs. N. 76° E., 25 lks.
dist., marked A P 422 B T.

Thence I run,

S. 72° 15' W.,Var. $14\frac{1}{2}^{\circ}$ E.

- 16.40 Find a dead and fallen pine, marked N B W M I R 423,
which I obliterate and

Set a quartzite stone, 18 x 6 x 8 ins., 12 ins. in the
ground marked A P N B W M I R 423, on S. face and
B M F R on N. face.A pine tree, 12 ins. diam., brs. S. 31° E., 40
lks. dist., marked A P 423 B T,A pine tree, 12 ins. diam., brs. West, 13 lks.
dist., marked A P 423 B T.

Thence I run,

S. 39° 30' W.,Var. $14\frac{1}{2}^{\circ}$ E.

- 21.86 A pine tree on line, 24 ins. diam., marked N B W M I R
424, which I change to A P N B W M I R 424, on S.
face and B M F R on N. face.

Thence I run,

S. 77° 30' W.,Var. $14\frac{1}{2}^{\circ}$ E.

Along ridge.

- 29.86 A juniper tree, 10 ins. diam., marked N B W M I R 425,
which marking I change to A P N B W M I R 425 on S.
face and B M F R on N. face.

Thence I run,

N. 83° 30' W.,Var. $14\frac{1}{2}^{\circ}$ E.

- 35.81 A dead pine tree marked W M I R 188 N B 426, which mark-
ing I destroy and remark A P N B W M I R 426, on S.
face and B M F R on N. face.

A juniper tree, 15 ins. diam., brs. S. 12° E.,

15 lks. dist., marked A P 426 B T,

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

40.91

28 87
5.10

A juniper tree, 24 ins. diam., brs. N. $76\frac{1}{2}^{\circ}$ E.,
46 lks. dist., market A P 426 B T.

Thence I run,
N. $25^{\circ} 25'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

The $61\frac{1}{2}$ mile cor., which is a sandstone, 18 x 14 x 4 ins.,
set in a mound of stone, marked N B W M I R $61\frac{1}{2}$ M.
I obliterate markings and remark
 $61\frac{1}{2}$ M. on S. E. face,
N B W M I R on S. W. face,
B M F R ~~$61\frac{1}{2}$ M.~~ on N. E. face,
and raise a mound of stone, 3 ft. base, 2 ft. high,
S. E. of cor., from which

A juniper tree, 36 ins. diam., brs. S. 33° E.,
21 lks. dist., marked N B W M I R $61\frac{1}{2}$ M. B T,
A pine tree, 6 ins. diam., brs. S. 76° E., 12
lks. dist., marked N B W M I R $61\frac{1}{2}$ M B T,
A juniper tree, 24 ins. diam., brs. N. 21° W., 46
lks. dist., marked N B W M I R $61\frac{1}{2}$ M B T,
A juniper tree, 15 ins. diam., brs. S. $79\frac{1}{4}^{\circ}$ W.,
43 lks. dist., marked N B W M I R $61\frac{1}{2}$ M B T.

Thence I run,
N. 15° W.,
Var. $14\frac{1}{2}^{\circ}$ E.

42.88

40 91
1.97

A dead ^{14 1/2} pine on line, marked N B W M I R 427, which marks
I change to A P N B W M I R 427, on S. face and
B M F R on N. face.

A pine tree, 10 ins. diam., brs. N. 32° E., 74
lks. dist., marked A P 427 B T.
A juniper tree, 24 ins. diam., brs. N. 64° E.,
55 lks. dist., marked A P 427 B T.

Thence I run,
N. 50° W.,
Var. $14\frac{1}{2}^{\circ}$ E.

45.86

42 91
2.95

A juniper tree, 18 ins. diam., on line, marked N B W M I
R 428, which marking I change to A P N B W M I R
428 on S. face and B M F R on N. face.

Thence I run,
N. $19^{\circ} 10'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

49.46

45 86
3.60

A pine tree, 14 ins. diam., on line, marked N B W M I R
429, which I change to A P N B W M I R 429 on S. face
and B M F R on N. face.

Thence I run,
N. $58^{\circ} 49'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

55.78

49 46
6.32

A juniper tree on line, 18 ins. diam., marked N B W M I
R 430, which I change to A P N B W M I R 430, on
S. face and B M F R on NE face.

Thence I run,
N. 7° W.,
Var. $14\frac{1}{2}^{\circ}$ E.

56.88

60.73
60.73

A mound of stone and tree on line, marked W M I R 196
which I destroy.

A juniper tree, 18 ins. diam., on line marked N B W M I
R 431, which I change to A P N B W M I R 431, on
W. face and B M F R on E. face.

Thence I run,
N. 30° E.,
Var. $14\frac{1}{2}^{\circ}$ E.

67.73

60
7

A pine tree on line, 18 ins. diam., marked N B W M I R
432, which I remark A P N B W M I R 432, on W. face
and B M F R on E. face; obliterating old markings.

Thence I run,
N. 48° E.,
Var. $14\frac{1}{2}^{\circ}$ E.

68.80

67.73
1.07

A juniper tree on line, 10 ins. diam., marked N B W M I
R 433, which I change to A P N B W M I R 433, on
NW. face and B M F R on SE face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
75.80
65
7
- Thence I run, N. 10° E., Var. $14\frac{1}{2}^{\circ}$ E.
A dead and fallen pine tree, marked N B W M I R 434,
which I destroy, and
Set a sandstone, 18 x 12 x 8 ins., 12 ins. in the ground,
marked A P N B W M I R 434 on W. face and B M F R
on E. face.
A juniper tree, 18 ins. diam., brs. N. 16° W.,
37 lks. dist., marked A P 434 B T,
A juniper tree, 12 ins. diam., brs. N. 45° E., 30
lks. dist., marked A P 434 B T.
- 79.46
79.82
75
4.07
- Thence I run, N. $80^{\circ} 15'$ W., Var. $14\frac{1}{2}^{\circ}$ E.
A mound of stone on line.
A sandstone on line, 24 x 12 x 18 ins., above ground,
marked C C on E. and I R on W. faces, from which
A pine tree 12 ins. diam., brs. N. 60° E.,
34 lks. dist., marked T 9 N R 21 E S 1 B T,
A pine tree, 10 ins. diam., brs. S. 78° E., 86
lks. dist., marked T 9 N R 21 E S 12 B T,
A sandstone, 24 x 18 x 4 ins., set in a mound of
stone, brs. W. 1.65 chs. dist., marked with
1 groove on N. and 5 grooves on S. with 4 bearing
tree marked T 9 N R 21 E S 1 and 2 and 11 and 12.
- 8
82.71
79
2-8-9
- The 62nd mile cor., which is a sandstone, 12 x 6 x 6 ins.
above ground with mound of stone alongside marked
N B W M I R 62 M. I obliterate markings and
mound of stone, and remark
62 M A P 435 on S. face,
N B W M I R on W. face and
B M F R on E. face, and raise a
mound of stone, 3 ft. base, 2 ft. high, S. of cor.,
from which
A pine tree, 12 ins. diam., brs. S. $14\frac{1}{2}^{\circ}$ E.,
22 lks. dist., marked N B W M I R 62 M B T,
A pine tree, 15 ins. diam., brs. S. $38\frac{1}{4}^{\circ}$ W.,
16 lks. dist., marked N B W M I R 62 M B T,
A pine tree, 12 ins. diam., brs. S. 65° W., 19
lks. dist., marked N B W M I R 62 M B T,
A pine tree, 12 ins. diam., brs. N. $5^{\circ} 45'$ W.,
13 lks. dist., marked N B W M I R 62 M B T,
A sandstone, 12 x 12 x 18 ins., above ground, brs. N.
 50° W., 1.05 chs. dist., marked I R on S., C C on
N. face from which
A pine tree, 6 ins. diam., brs. N. 31° E., 38 lks.
dist., marked T 9 N R 21 E S 1 B T,
From this cor., I trace a cleared and blazed line N.
Land, mountainous.
Soil, stony, 2nd and 3rd rate.
Timber, scattering pine, juniper, cedar and oak; under
growth, dense scrub oak. Mts. land exc. dif, to survey 82.71 chs.
---000---
- October 4: at noon, l.m.t., I set off $4^{\circ} 12'$ S. on the
decl. arc and observe the sun at the meridian; the re-
sulting lat. is $34^{\circ} 12'$ N.
- Thence I run, continuing measurements from 62nd mile cor.
N. $60^{\circ} 50'$ W., Var. $14\frac{1}{2}^{\circ}$ E.
- 4.12
A juniper tree, on line, 12 ins. diam., marked N B W M I
R 436, which I change to A P N B W M I R 436, on
S. face and B M F R on N. face.
- Thence N. $25^{\circ} 30'$ W.
- 8.66
4.54
A dead and fallen pine, on line, marked N B W M I R 437.
I obliterate markings and
Set a sand stone, 18 x 12 x 4 ins., 12 ins. in mound
of stone, marked A P N B W M I R 437, on E. face
and B M F R on N. face.
A pine tree, 8 ins. diam., brs. S. $24^{\circ} 10'$ W., 49
lks. dist., marked A P 437 B T,
An oak tree, 4 ins. diam., brs. S. $72\frac{1}{2}^{\circ}$ E., 35
lks. dist., marked A P 437 B T,
Thence I run, N. $20^{\circ} 8'$ W., Var. $14\frac{1}{2}^{\circ}$ E.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

- chains
15.05 Find a dead pine, 12 ins. diam., marked N B W M I R 438, which I reblaze and mark A P N B W M I R 438 on S. face and B M F R on N. face, from which
 8 66
 6.39 A pine tree 12 ins. diam., brs. S. 76° 30' W., 36 lks. dist., marked A P N B W M I R 438 B T,
 An oak tree, 18 ins. diam., brs. N. 28 lks. dist., marked A P N B W M I R 438 B T.
 Thence N. 25° 14' W., Var. 14½° E.
- 19.55 A tree on line, marked W M I R 194, which I destroy.
 26.35 A juniper tree, 18 ins. diam., marked N B W M I R 439, which markings I change to A P N B W M I R 439, on S. face and B M F R on N. face.
 11 20 Thence I run, N. 37° W., Var. 14½° E.
- 30.42 A dead and fallen tree on line, with traces of markings which I obliterate and.
 4 07 Set a stake, 4 x 4 ins. 36 ins. in the ground, which I mark A P N B W M I R on S. face and B M F R on N. face
 A pine tree, 6 ins. diam., brs. N. 10° W., 60 lks. dist., marked A P 440 B T.
 A pine tree, 18 ins. diam., brs. S. 87° W., 75 lks. dist., marked A P 440 B T.
 Thence I run, N. 45° 22' W., Var. 14½° E.
- 39.59 A pine tree, 30 ins. diam., on line, marked W M I R 193 N B 441, which marking I obliterate and remark A P N B W M I R 441 on S. face and B M F R on N. face.
 9 17 Thence I run, N. 26° 40' W., Var. 14½° E.
- 41.34 The 62½ mile cor., which is a sandstone, 16 x 12 x 6 ins., above ground, with mound of stone alongside, and marked N B W M I R 62½. I obliterate markings and remark
 1 75 62½ M A P 442 on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., on line,
 A pine tree, 24 ins. diam., brs. N. 79½° E., 32 lks. dist., marked N B W M I R 62½ M B T,
 A pine tree, 12 ins. diam., brs. N. 12½° W., 56 lks. dist., marked N B W M I R 62½ M B T,
 A pine tree, 12 ins. diam., brs. N. 23° W., 48 lks. dist., marked N B W M I R 62½ M B T,
 A pine tree, 14 ins. diam., brs. S. 85° W., 59 lks. dist., marked N B W M I R 62½ M B T.
 Thence I run,
 N. 33° 48' W.,
 Var. 14½° E.
- 49.94 A juniper tree, 18 ins. diam., marked N B W M I R 443, which marks I change to A P N B W M I R 443, on S. face and B M F R on N. face.
 8 60 Thence I run,
 N. 25° 20' W.,
 Var. 14½° E.
- 59.11 A juniper tree, 18 ins. diam., marked N B W M I R 444, which marks I change to A P N B W M I R 444, on S. face and B M F R on N. face.
 9 17 Thence I run,
 N. 48° 23' W.,
 Var. 14½° E.
- 70.45 A juniper tree, 18 ins. diam., marked N B W M I R 445, which marks I change to A P N B W M I R 445, on S. face and B M F R on N. face.
 11 34 Thence I run,
 N. 29° 43' W.,
 Var. 14½° E.
- 73. 49 A dead pinon tree, 12 ins. diam., marked N B W M I R 446, which marks I change to A P N B W M I R 446, on S. face and B M F R on N. face.
 30 4

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
- A pinon tree, 10 ins. diam., brs. N. 40° E., 26 lks. dist., marked A P 446 B T,
A pinon tree 3 ins. diam., brs. N. 62° W., 42 lks. dist., marked A P 446 B T,
Thence I run,
N. 68° 11' W.,
Var. 14½° E.
- 79.10 A dead and fallen pinon tree, marked N B W M I R 447,
349 which marking I obliterate and remark
5.61 Set a sand stone, 18 x 10 x 6 ins., in mound of stone,
marked A P N B W M I R 447, on S. face and B M F R
on N. face.
A cedar tree, 12 ins. diam., brs. N. 30° W., 30 lks. dist., marked A P 447 B T,
A cedar tree, 12 ins. diam., brs. S. 78° W., 39 lks. dist., marked A P 447 B T.
Thence I run, N. 23° 30' W., Var 14½° E.
- 82.86 The 63rd mile cor., which is a sandstone, 12 x 8 x 6 ins.,
3 76 above ground, with mound of stone alongside, and
marked N B W M I R 63M. I obliterate marking and
mound of stone and remark
63 M A P 448 on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and
raise a mound of stone, 3 ft. base, 2 ft. high,
S. E. of cor.,
A juniper tree 12 ins. diam., brs. N. 68° E.,
50 lks. dist., marked N B W M I R 63 M B T,
A pine tree 12 ins. diam., brs. N. 83° E., 23 lks. dist., marked N B W M I R 63 M B T,
A pine tree 12 ins. diam., brs. N. 87° W., 30 lks. dist., marked N B W M I R 63 M B T,
A pine tree, 18 ins. diam., brs. N. 88° W., 36 lks. dist., marked N B W M I R 63 M B T. This tree is marked W M I R 191, which marking I destroy.
- Land, mountainous.
Soil, stony 2nd and 3rd rate.
Timber scattering pine, oak, juniper and cedar. Undergrowth, dense scrub pine and pak and manzanita.
Mountainous land, covered with dense undergrowth, exceptionally difficult to survey, 82.86 chs.
---oOo---
- Thence I run, continuing measurements from 63rd mile cor.
N. 1° 51' E.,
Var. 14½° E.
- 11.00 A juniper tree, 24 ins. diam., marked N B W M I R 449,
which I change to A P N B W M I R 449 on SW face
and B M F R on N. face.
Thence I run, N. 38° 13' W., Var. 14½° E.
- 15.96 A pine tree on line, 12 ins. diam., marked N B W M I R
496 450, which I change to A P N B W M I R 450, on S.
face and B M F R on N. face.
Thence I run,
S. 53° W.,
Var. 14½° E.
- 26.31 A tree on line, marked W M I R 190, and a mound of stone,
both of which I destroy.
- 27.99 A pine tree, 12 ins. diam., on line, marked N B W M I R
451, which I change to A P N B W M I R 451,
on S. face and B M F R on N. face.
Thence I run,
S. 29° 18' W.,
Var. 14½° E.
- 31.73 A juniper tree, 18 ins. diam., on line, marked N B W M I R
3 74 452, which I change to A P N B W M I R 452 on S.
face and B M F R on N. face.
Thence I run,
S. 48° 54' W.,
Var. 14½° E.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains.
37.17
5.73
5.44
- A pine tree, on line, 15 ins. diam., marked N B W M I R 453, which I change to A P N B W M I R on S. face and B M F R on N. face. 453
- Thence I run,
S. 51° 12' W.
Var. 14½° E.
- 41.64
4.47
- The 63½ mile cor., which is a sandstone, 6 x 8 x 6 ins., above ground, with mound of stone alongside, marked N B W M I R 63½ M. I obliterate markings and mound of stone and remark 63½ M A P 454 on N. E. face, N B W M I R on S. E. face, B M F R on N. W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. E. of cor., on line,
A pine tree 10 ins. diam., brs. N. 86½° E., 21 lks. dist., marked N B W M I R 63½ M B T,
A juniper tree, 10 ins. diam., brs. S. 23½° E., 43 lks. dist., marked N B W M I R 63½ M B T,
A pine tree 10 ins. diam., brs. S. 29° W., 30 lks. dist., marked N B W M I R 63½ M B T,
A pine tree, 4 ins. diam., brs. N. 8° W., 46 lks. dist., marked N B W M I R 63½ M B T.
- Thence I run,
S. 45° 17' W.
Var. 14½° E.
- 47.74
6.10
- A juniper tree on line, 10 ins. diam., marked N B W M I R 455, which marks I change to A P N B W M I R 455, on S. face and B M F R on N. face.
- Thence I run,
S. 62° 16' W.,
Var. 14½° E.
- 49.46
- A mound of stone on line, with tree marked W M I R 189, which I destroy.
- 55.28
7.54
- A juniper tree, 18 ins. diam., marked N B W M I R 456, which marking I change to A P N B W M I R 456, on S. face and B M F R on N. face.
A sandstone, 18 x 12 x 12 ins., above ground, marked I R on S., C C on N. faces, brs. S. 46° 45' W., 2.50 chs. dist., from which
A pine tree, 4 ins. diam., brs. N. 7° E., 68 lks. dist., marked T 9 N R 21 E S 2 B T.
- Thence I run, S. 58° 27' W., Var. 14½° E.
- 59.94
4.66
- A juniper tree on line, 36 ins. diam., marked N B W M I R 457, which marking I change to A P N B W M I R 457, on S. face and B M F R on N. face.
- Thence I run,
S. 66° 56' W.
Var. 14½° E.
- 65.53
5.59
- A juniper tree, 30 ins. diam., marked N B W M I R 458, which marking I change to A P N B W M I R 458, on S. face and B M F R on N. face.
- Thence I run,
S. 76° 26' W.,
Var. 14½° E.
- 70.44
4.91
- A pine tree, 15 ins. diam., marked N B W M I R 459, which marking I change to A P N B W M I R 459, on S. face and B M F R on N. face.
- Thence I run,
S. 75° W.,
Var. 14½° E.
- 78.37
7.93
- A dead and fallen pine tree, marked N B W M I R 460, on line, which I destroy, and
Set a sandstone in a mound of stone, 18 x 10 x 10 ins., above ground, marked A P N B W M I R 460, on S. face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

A pine tree, 18 ins. diam., brs. S. 75° E., 34
lks. dist., marked A P 460 B T,
A pine tree, 12 ins. diam., brs. S. $60\frac{1}{2}^{\circ}$ W.,
34 lks. dist., marked A P 460 B T.

Thence I run,
S. $69^{\circ} 35'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

82.42

98 37
4 65

The 64th Mile cor., which is a sandstone, 12 x 8 x 6 ins.
above ground, with mound of stone alongside, and
marked N B W M I R 64M. I obliterate markings and
mound of stone and remark.

64 M on ~~E.~~ face,
N B W M I R on S. E. face,
and B M F R on N. W. face, and raise a mound of
stone, 3 ft. base, 2 ft. high, N. of cor., on line,

A pine tree, 24 ins. diam., brs. S. 19° W., 80
lks. dist., marked N B W M I R 64 M B T,

A pine tree, 6 ins. diam., brs. S. $86^{\circ} 45'$ W.,
48 lks. dist., marked N B W M I R 64 M B T,

A pine tree, 10 ins. diam., brs. N. $70\frac{1}{2}^{\circ}$ W.,

51 lks. dist., marked N B W M I R 64 M B T,

A juniper tree, 10 ins. diam., brs. S. 26° E.,
26 lks. dist., marked N B W M I R 64 M B T.

Land, mountainous,

Soil, stony 3rd rate.

Timber, scattering pine, juniper, oak and cedar.

Undergrowth, dense scrub pine, oak and manzinita.

Mountainous, or land covered with dense undergrowth,
exceptionally difficult to survey, 82.42 chs.

October 4, 1906.

October 5, 1906; at 7 a.m., l.m.t., I set off $4^{\circ} 28\frac{1}{2}'$
S. on the decl. arc and $34^{\circ} 12'$ N. on the lat. arc and de-
termine a true meridian with the solar at the 64th mile
cor.

Thence I run,
S. $66^{\circ} 55'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

5.93

A juniper tree on line, 6 ins. diam., marked N B W M I R
461, which marks I change to A P N B W M I R 461,
on S. face and B M F R on N. face.

Thence I run,
S. $41^{\circ} 10'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

10.43

A tree marked W M I R 187, which I destroy.

13.25

A pine tree on line, 15 ins. diam., marked N B W M I R
462, which markings I change to A P N B W M I R 462,
on S. face and B M F R on N. face.

Thence I run,
S. $30^{\circ} 07'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

18.00

A juniper tree, 18 ins. diam., marked N B W M I R 463
on line, which markings I change to A P N B W M I R
463, on S. face and B M F R on N. face.

Thence I run,
S. $14^{\circ} 34'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

25.04

A juniper tree, 12 ins. diam., marked N B W M I R 464,
which marking I change to A P N B W M I R 464, on
SE. face and B M F R on NW. face.

Thence I run,
S. $73^{\circ} 8'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

31.62

A pine tree, 18 ins. diam., marked W M I R 186 N B 465
which markings I obliterate and remark A P N B W M I R
465 on S. face and B M F R on N. face.

Thence I run,
N. $74^{\circ} 55'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

6-54

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains
35.58

A pine tree 12 ins. diam., marked N B W M I R 466,
which marking I change to A P N B W M I R 466,
on S. face and B M F R on N. face.

Thence I run,
S. 77° W.,
Var. 14½° E.

The 64½ mile cor., which is a sandstone, 16 x 10 x 8
ins. above ground, and marked N B W M I R 64½ M.
I obliterate markings and remark

64½ M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone,
3 ft. base, 2 ft. high, N. of cor.
A juniper tree, 12 ins. diam., brs. N. 60½° E.,
58 lks. dist., marked N B W M I R 64½ M B T,
A pine tree, 18 ins. diam., brs. N. 28° E., 16
lks. dist., marked N B W M I R 64½ M B T,
A juniper tree, 6 ins. diam., brs. S. 22° W., 16
lks. dist., marked N B W M I R 64½ M B T,
A juniper tree, 6 ins. diam., brs. S. 42° W., 34
lks. dist., marked N B W M I R 64½ M B T.

Thence I run,
S. 66° 45' W.,
Var. 14½° E.

42.21

A pine tree, 24 ins. diam., marked N B W M I R 467,
which marking I change to A P N B W M I R 467,
on the S. face and B M F R on N. face.

Thence I run,
S. 48° W.,
Var. 14½° E.

47.11

A juniper tree, 24 ins. diam., marked N B W M I R 468,
on line, which marking I change to A P N B W M I R
468 on S. face and B M F R on N. face.

Thence I run,
N. 81° W.,
Var. 14½° E.

52.84

A pine tree, 18 ins. diam., marked N B W M I R 469,
which marking I change to A P N B W M I R 469,
on S. face and B M F R on N. face.

Thence I run,
N. 68½° W.,
Var. 14½° E.

54.52

A pine tree, 12 ins. diam., marked N B W M I R
470 which marking I change to A P N B W M I R 470
on S. face and B M F R on N. face.

Thence I run,
N, 22° 44' W.,
Var. 14½° E.

55.52

A stack of logs and tree on line, marked W M I R 185,
which I destroy.

62.64

A juniper tree, 24 ins. diam., marked N B W M I R 471,
which marking I change to A P N B W M I R 471, on
S. face and B M F R on N. face.

Thence I run,
N. 21° 11' W.,
Var. 14½° E.

68.62

A juniper tree, 30 ins. diam., marked N B W M I R 472,
which marking I change to A P N B W M I R 472, on
S. face and B M F R on N. face.

Thence I run,
N. 28° 03' W.,
Var. 14½° E.

77.12

A pine tree, 18 ins. diam., marked N B W M I R 473,
which marking I change to A P N B W M I R 473,
on S. face and B M F R on N. face.

Thence I run,
N. 60° 40' W.,
Var. 14½° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

81.88

77
474

The 65th mile cor., which is a sandstone, 10 x 8 x 4 ins., above ground, with mound of stone alongside, and marked N B W M I R 65M. I obliterate markings and mound of stone and remark
65 M on S. E. face,
N B W M I R on S. W. face,
B. M F R on N. E. face, and raise a mound of stone 3ft. base, 2 ft. high, S. E. of cor., on line.
A pine tree, 20 ins. in diam., brs. S. $36\frac{1}{2}^{\circ}$ E., 57 lks. dist., marked N B W M I R 65 M B T,
A juniper tree, 20 ins. diam., brs. S. 40° W., 54 lks. dist., marked N B W M I R 65 M B T,
A juniper tree, 24 ins. diam., brs. N. 70° W., 32 lks. dist., marked N B W M I R 65 M B T,
An oak tree, 12 ins. diam., brs. N. $12\frac{1}{2}^{\circ}$ E., 30 lks. dist., marked N B W M I R 65 M B T.
A sandstone, 10 x 8 x 5 ins., above ground, brs. N. 62° W., 1.56 chs. dist., marked I R on S. face and C C on N. face, from which
A pine tree, 18 ins. diam., brs. S. $65\frac{1}{2}^{\circ}$ E., 66 lks. dist., marked T 9 N R 21 E S 3 B T,
An oak tree, 12 ins. diam., brs. N. $24\frac{1}{2}^{\circ}$ W., 40 lks. dist., marked T 9 N R 21 E S 4 B T.

Land, high rolling mesa.
Soil, stony, 3rd rate.
Timber, scattering pine, oak, juniper and cedar.
Undergrowth, dense scrub oak and pine. Land exc. dif to survey, 81.88 chs.

---oOo---

Thence I run, continuing measurements from 65th mile cor.
N. $61^{\circ} 37'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

9.76

A pine tree, 12 ins. diam., marked N B W M I R 474, which marks I change to A P N B W M I R 474, on S. face and B M F R on N. face.

Thence I run,

N. $28^{\circ} 30'$ W.,Var. $14\frac{1}{2}^{\circ}$ E.

20.46

A stack of logs and tree marked W M I R 183, which I destroy.

24.52

A pine tree on line, 6 ins. diam., marked N B W M I R 475, which marking I change to A P N B W M I R 475, on S. face and B M F R on N. face.

Thence I run,

N. $18^{\circ} 31'$ W.,

36.05

A pine tree, 10 ins. diam., marked N B W M I R 476, which marking I change to A P N B W M I R 476, on S. face and B M F R on N. face.

Thence I run,

N. 18° W.,Var. $14\frac{1}{2}^{\circ}$ E.

39.59

A pine tree on line, 10 ins. diam., marked N B W M I R 477, which marking I change to A P N B W M I R 477, on S. face and B M F R on N. face.

Thence I run,

N. $30^{\circ} 22'$ W.,Var. $14\frac{1}{2}^{\circ}$ E.

41.39

The 65 $\frac{1}{2}$ mile cor., which is a granite stone, 8 x 8 x 8 ins., above ground, with mound of stone alongside, and marked N B W M I R 65 $\frac{1}{2}$ M. I obliterate marks and mound of stone and remark
65 $\frac{1}{2}$ M A P 478 on S. face,
N B W M I R on W. face,
B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor. on line.
A pine tree, 10 ins. diam., brs. N. 41° E., 53 lks. dist., marked N B W M I R 65 $\frac{1}{2}$ M B T,

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- A pine tree, 12 ins. diam., brs. N. 79° E., 31 lks. dist., marked N B W M I R 65 $\frac{1}{2}$ M B T,
 A pine tree, 8 ins. diam., brs. S. $11^{\circ} 45'$ W., 40 lks. dist., marked N B W M I R 65 $\frac{1}{2}$ M B T,
 A juniper tree, 12 ins. diam., brs. S. 62° W., 18 lks. dist., marked N B W M I R 65 $\frac{1}{2}$ M B T.
 A sandstone, 18 x 8 x 8 ins., above ground, brs. N. $17^{\circ} 35'$ W., 2.73 chs. dist., marked C C on E. face and I R on W. face, from which
 An oak tree, 5 ins. diam., brs. S. 63° E., 120 lks. dist., marked T 9 N R 21 E S 4 B T,
 A pine tree, 12 ins. diam., brs. N. 63° E., 72 lks. dist., marked T 10 N R 21 E S 33 B T,
 Thence I run,
 N. 16° W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 46.64 A dead and fallen tree and stake beside it on line, marked N B W M I R 479, which marking I destroy,
 Set a new stake, 4 x 4 x 3 ft., above ground marked A P N B W M I R 479, from which
 A juniper tree, 30 ins. diam., brs. N. 29° E., 35 lks. dist., marked A P 479 B T,
 A pine tree, 18 ins. diam., brs. N. 50° W., 50 lks. dist., marked A P 479 B T,
 Thence I run,
 N. $55^{\circ} 35'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 51.49 A juniper tree, 30 ins. diam., marked N B W M I R 480 on line, which marking I change to A P N B W M I R 480 on S. face and B M F R on N. face.
 Thence I run,
 N. 75° W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 56.48 A pine tree on line, 18 ins. diam., marked N B W M I R 481, which marking I change to A P N B W M I R 481, on S. face and B M F R on N. face.
 Thence I run,
 S. $67^{\circ} 42'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 63.48 A mound of stone, and tree on line, marked W M I R 181 which I destroy.
- 74.13 A juniper tree, 36 ins. diam., marked N B W M I R 482, which marking I change to A P N B W M I R 482, on S. face and B M F R on N. face.
 A sandstone, 12 x 8 x 4 ins., above ground, brs. S. $6^{\circ} 15'$ E., 1.02 chs. dist., marked I R on E. face and C C on W. face, from which
 A pine tree, 14 ins. diam., brs. S. 27° W., 89 lks. dist., marked T 9 N R 21 E S 4 B T,
 A pine tree, 14 ins. diam., brs. N. 17° W., 62 lks. dist., marked T 10 N R 21 E S 32 B T,
 Thence I run,
 S. $78^{\circ} 15'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 75.18 A juniper tree on line, 18 ins. diam., marked N B W M I R 483, which I change to A P N B W M I R 483, on S. face and B M F R on N. face,
 Thence I run,
 S. $83^{\circ} 30'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 81.24 A juniper tree, 18 ins. diam., on line, marked N B W M I R 484, which marking I change to A P N B W M I R 484 on S. face and B M F R on N. face. This tree is also a bearing tree to the 66 mile cor.
 Thence I run,
 N. $62^{\circ} 30'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

81.86

The 66th mile cor., which is a sandstone, 16 x 12 x 8 ins., above ground, with mound of stone alongside, and marked N B W M I R 66 M. I obliterate markings and mound of stone and remark

66 M. on S. E. face,

N B W M I R on S. W. face,

B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., on line.

A juniper tree, 18 ins. diam., brs. S. $62^{\circ} 30'$ E.

44 lks. dist., marked N B W M I R 66 M B T,

A pine tree, 18 ins. diam., brs. S. $33^{\circ} 45'$ E.,

42 lks. dist., marked N B W M I R 66 M B T.

A juniper tree, 8 ins. diam., brs. N. $47\frac{1}{2}^{\circ}$ E.,

16 lks. dist., marked N B W M I R 66 M B T,

A juniper tree, 12 ins. diam., brs. S. $72^{\circ} 15'$ W.

66 lks. dist., marked N B W M I R 66 M B T.

Land, high rolling plateau.

Soil, stony, 3rd rate.

Timber scattering pine, juniper and oak.

Undergrowth, dense scrub oak and pine, exc. difficult to survey 81.86 chs.

---000---

October 5: at noon, l.m.t., I set off $4^{\circ} 35\frac{1}{2}'$ S. on the decl. arc and observe the sun on the meridian; the resulting lat. is $34^{\circ} 12\frac{1}{2}'$ N.

Thence I run, continuing measurments from 66 mile cor.

N. $57^{\circ} 10'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

5.64

A pine tree, on line, 18 ins. diam., marked W M I R 180 N B 485, which markings I obliterate and remark

A P N B W M I R 485 on S. face and B M F R on N. face.

Thence I run,

N. $63^{\circ} 27'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

16.74

A pine tree, 12 ins. diam., marked N B W M I R 486, which marking I change to A P N B W M I R 486, on S. face and B M F R on N. face.

Thence I run,

S. $84^{\circ} 58'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

23.14

A juniper tree, 18 ins. diam., Marked N B W M I R 487, which markings I change to A P N B W M I R 487, on S. face and B M F R on N. face.

Thence I run,

S. $72^{\circ} 45'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

26.36

A pine tree on line, 18 ins. diam., marked W M I R 179, N B 488, which marking I obliterate and remark A P N B W M I R on S. face and B M F R on N. face.

Head of draw. Course S. S. W.

A sandstone, 12 x 10 x 6 ins., above ground, brs, N. $89^{\circ} 10'$ W., 1.81 chs. dist., marked I R on S. face, and

C C on N. face, from which

An oak, 6 ins. diam., brs. N. 44° E., 67 lks.

dist., marked T 10 N R 21 E S 33 B T,

An oak tree, 8 ins. diam., brs. N. 14° W., 48

lks. dist., marked T 10 N R 21 E S 32 B T,

Thence I run,

S. $80^{\circ} 28'$ W.

Var. $14\frac{1}{2}^{\circ}$ E.

36.32

A pine tree, 14 ins. diam., marked N B W M I R 489, which marking I change to A P N B W M I R 489, on S. face and B M F R on N. face. Then

Thence I run, N. $74^{\circ} 28'$ W., Var. $14\frac{1}{2}^{\circ}$ E.

41.07

The $66\frac{1}{2}$ mile cor., which is a sandstone, 12 x 15 x 6 ins., above ground, with mound of stone along side, and marked N B W M I R 66 $\frac{1}{2}$ M. I obliterate markings and mound of stone and remark

chains

- 66½ M A P 490, on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone,
3 ft. base, 2 ft. high, E. of cor., from which
A pine tree, 12 ins. diam., brs. S. 49° W., 18
lks. dist. marked N B W M I R 66½ M B T,
A pine tree, 6 ins. diam., brs. N. 20° W., 25 lks.
dist., marked N B W M I R 66½ M B T,
A pine tree, 24 ins. diam., brs. N. 59-1/2° E.
21 lks. dist., marked N B W M I R 66½ M B T,
A pine tree, 12 ins. diam., brs. S. 78¼° W.,
34 lks. dist., marked N B W M I R 66½ M B T,
Thence I run,
N. 61° 35' W.,
Var. 14½° E.
- 43.84 A pine tree on line, 14 ins. diam., marked N B W M I R 491
41.87
2.77 491S. which marking I change to A P N B W M I R 491,
on S. face and B M F R on N. face.
Thence I run,
N. 78° 46' W.,
Var. 14½° E.
- 49.03 A pine tree on line, 12 ins. diam., marked N B W M I R
5.19 492, which marking I change to A P N B W M I R 492,
on S. face and B M F R on N. face.
Thence I run,
S. 86° 30' W.,
Var. 14½° E.
- 50.43 A mound of stone and tree marked W M I R 178, which
marking I destroy.
- 58.00 A pine tree on line, 24 ins. diam., marked N B W M I R
8.97 493, which marking I change to A P N B W M I R 493,
on S. face and B M F R on N. face.
Thence I run,
N. 69° 40' W.,
Var. 14½° E.
- 63.70 Trail brs. N. and S.
- 63.88 A pine tree on line, 12 ins. diam., marked N B W M I R
13.88 494, which marking I change to A P N B W M I R 494,
on S. face and B M F R on NE. face.
Thence I run,
N. 10° W.,
Var. 14½° E.
- 70.63 A juniper tree, 18 ins. diam., marked N B W M I R 495,
6.15 which marking I change to A P N B W M I R 495, on
W. face and B M F R on E. face.
Thence I run,
N. 7° 07' W.,
Var. 14½° E.
- 74.35 A pine tree on line, 18 ins. diam., marked W M I R 177
3.72 N B 496, which marking I obliterate and remark
A P N B W M I R on SW. face and B M F R on N. face.
Thence I run,
N. 61° 45' W.,
Var. 14½° E.
- 77.64 A pine tree, 12 ins. diam., marked N B W M I R 497,
3.29 which marking I change to A P N B W M I R 497, on
S. face and B M F R on E. face.
Thence I run,
S. 84° 23' W.,
Var. 14½° E.
- 82.94 The 67th mile cor., which is a sandstone, 12 x 10 x 6 ins.
5.30 above ground, with mound of stone alongside, and
marked N B W M I R 67. I obliterate markings and
mound of stone and remark
67 M A P 498 on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone
3 ft. base, 2 ft. high, E. of cor. on line,

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chains

A juniper tree, 12 ins. diam., brs. S. 75° E., 20 lks. dist., marked N B W M I R 67 M B T,
 A juniper tree, 16 ins. diam., brs. N. 56° 45' E., 37 lks. dist., marked N B W M I R 67, M B T,
 An oak tree, 6 ins. diam., brs. S. 12° E., 22 lks. dist., marked N B W M I R 67 M B T,
 An oak tree, 18 ins. diam., brs. S. 70 $\frac{1}{2}$ ° W., 61 lks. dist., marked N B W M I R 67 M B T.

Land, mountainous.

Soil, stony; 3rd rate.

Timber, scattering pine, juniper and oak.

Undergrowth, scrub oak and pine.

---oOo---

Thence I run, continuing measurements from 67 mile cor.

N. 72° 13' W.,

Var. 14° 15' E.,

Descending.

5.23

A pine tree on line, 18 ins. diam., marked N B W M I R 499, which marking I change to A P N B W M I R 499, on S. face and B M F R on N. face.

Thence I run,

N. 27° 29' W.,

Var. 14 $\frac{1}{2}$ ° E.

Descending.

11.79

A pine tree, 24 ins. diam., marked N B W M I R 500, which marking I change to A P N B W M I R 500, on S. face and B M F R on N. face.

Thence I run,

N. 86° 30' W.,

Var. 14 $\frac{1}{2}$ ° E.

13.94

A mound of stone and tree marked N B W M I R 176, which I destroy.

15.53

A pine tree, 12 ins. diam., marked N B W M I R 501, which I change to A P N B W M I R 501, on S. face and B M F R on N. face.

Thence I run,

N. 40° 54' W.,

Var. 14 $\frac{1}{2}$ ° E.

28.26

A pine tree, 20 ins. diam., marked N B W M I R 502, which I change to A P N B W M I R 502, on S. face and B M F R on N. face.

Thence I run, N. 68° W., Var. 14 $\frac{1}{2}$ ° E.

33.68

A pine tree, 12 ins. diam., on line, marked N B W M I R 503, which marking I change to A P N B W M I R 503, on S. face and B M F R on N. face.

Thence I run,

N. 60° W.,

Var. 14 $\frac{1}{2}$ ° E.

41.43

The 67 $\frac{1}{2}$ mile cor., which is a sandstone, 18 x 6 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R 67 $\frac{1}{2}$ M. I obliterate markings and mound of stone and remark

67 $\frac{1}{2}$ M on S? E? face,

N B W M I R on S. W. face,

B M F R on N. E. face, and raise a mound of stone 3 ft. base, 2 ft. high, S. E. of cor.,

A pine tree, 24 ins. diam., brs. S. 70° 45' W., 48 lks. dist., marked N B W M I R 67 $\frac{1}{2}$ M B T,

A pine tree, 8 ins. diam., brs. N. 73° 45' E., 58 lks. dist., marked N B W M I R 67 $\frac{1}{2}$ M B T,

A pine tree, 24 ins. diam., brs. N. 62° 45' E., 61 lks. dist., marked N B W M I R 67 $\frac{1}{2}$ M B T,

A pine tree, 12 ins. diam., brs. N. 77 $\frac{1}{2}$ ° W.,

104 lks. dist., marked N B W M I R 67 $\frac{1}{2}$ M B T.

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chains

- A sandstone, 12 x 4 x 18 ins., in mound of stone, brs.
N. 66° W., 4.69 chs. dist., marked I R on W. face,
C C on E. face, from which
A pine tree, 10 ins. diam.; dead and fallen, brs.
N. 18° W., 49 lks. dist., marked T 10 N R 21 E
S 31 B T,
A pine tree, 10 ins. diam., dead and fallen, brs.
N. 43½° E., 90 lks. dist., marked T 10 N R
21 E S 32 B T,
Thence I run,
N. 57° 55' W.,
Var. 14½° E.
- 59.48 A pine tree, 18 ins. diam., marked N B W M I R 504,
41 03
18 01
which I change to A P N B W M I R 504, on S. face
and B M F R on N. face.
Thence I run, S. 67° 45' W., Var. 14½° E.
- 61.23 A mound of stone and tree marked W M I R 174, which I
1 75
destroy.
- 64.28 A juniper tree, 10 ins. diam., marked N B W M I R 505,
3 05
which marking I change to A P N B W M I R 505, on
S. face and B M F R on N. face.
Thence I run,
S. 83° 47' W.,
Var. 14½° E.
- 70.25 A pine tree, on line, 24 ins. diam., marked N B W M I R
5 97
506, which marking I change to A P N B W M I R 506,
on S. face and B M F R on N. face.
Thence I run,
N. 77° 10' W.,
Var. 14½° E.
- 73.93 A pine tree on line, 18 ins. diam., marked A P N B W M
3 68
I R 507, which marking I change to A P N B W M I R
507, on S. face and B M F R on N. face.
Thence I run,
N. 76° 13' W.,
Var. 14½° E.
- 82.86 The 68th mile cor., which is a sandstone, 24 x 5 x 2.
8 93
ins., above ground, with mound of stone alongside,
and marked N B W M I R 68 M. I obliterate markings
and mound of stone and remark
68 M A P 508 on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone
3 ft. base, 2 ft. high, E. of cor., on line,
A pine tree, 6 ins. diam., brs. N. 71° W., 17
lks. dist., marked N B W M I R 68 M B T,
A pine tree, 10 ins. diam., brs. S. 65° W., 16
lks. dist., marked N B W M I R 68 M B T,
A pine tree, 6 ins. diam., brs. S. 7° E., 11 lks.
dist., marked N B W M I R 68 M B T,
A pine tree, 12 ins. diam., brs. N. 73° E., 17
lks. dist., marked N B W M I R 68 M B T.
- Land, mountainous.
Soil, stony; 3rd rate.
Timber, scattering pein, juniper and oak.
Undergrowth, dense scrub pine and oak.
---oOo---
- Thence I run, continuing measurements from 68th mile cor.
S. 85° 07' W.,
Var. 14½° E.
- o.50 Tree on line marked W M I R 173, which I destroy.
- 2.80 Trail brs. E. and W.
- 3.21 A dead and fallen tree, marked N B W M I R 509, which
marking I destroy and
Set a porphyrite stone, 24 x 10 x 10 ins., 18 ins. in
the ground, marked A P N B W M I R 509, on S. face
and B M F R on N. face,

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

- A pine tree, 24 ins. diam., brs. S. 69° E., 85 lks. dist., marked A P 509 B T,
 A pine tree, 24 ins. diam., brs. N $75\frac{1}{2}^{\circ}$ E., 89 lks. dist., marked A P 509 B T,
 Thence I run,
 S. 69° 15' W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 4.21 Trail brs. E. and W.
 8.18 A juniper tree, 18 ins. diam., marked N B W M I R 510 on line, which I change to A P N B W M I R 510 on S. face and B M F R on N. face.
 497
 Thence I run,
 N. 84° 40' W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 12.73 A dead and fallen pine tree on line, marked N B W M I R 511, which I destroy.
 4.55 Set a porphyry stone, 18 x 10 x 6 ins., in mound of stone, marked A P N B W M I R 511, on S. face and B M F R on N. face.
 An oak tree, 3 ins. diam., brs. N. 80° E., 25 lks. dist., marked A P 511 B T,
 A pine tree 18 ins. diam., brs. S. $36\frac{1}{2}^{\circ}$ W., 60 lks. dist., marked A P 511 B T,
 Thence I run,
 N. 60° W.,
- 19.68 A juniper tree, 12 ins. diam., marked N B W M I R 512, which marking I change to A P N B W M I R 512, on S. face and B M F R on N. face.
 1273
 695
 Thence I run,
 N. 21° 42' W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 27.92 A pine tree on line. 24 ins. diam., marked N B W M I R 513, which marking I change to A P N B W M I R 513, on W. face and B M F R on E. face.
 8 24
 Thence I run,
 N. 0° 24' W.,
 Var. $14\frac{1}{2}^{\circ}$ E.,
- 41.01 Ascend.
 13.09 The $68\frac{1}{2}$ mile cor., which is a sandstone, 10 x 6 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R $68\frac{1}{2}$ M. I obliterate markings and mound of stone and remark $68\frac{1}{2}$ M A P 514 on S. face, N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor., on line
 A juniper tree, 12 ins. diam., brs. N. 12° W., 29 lks. dist., marked N B W M I R $68\frac{1}{2}$ M B T,
 A pine tree, 8 ins. diam., brs. N. 20° E., 62 lks. dist., marked N B W M I R $68\frac{1}{2}$ M B T,
 A pine tree 12 ins. diam., brs. S. $54\frac{1}{2}^{\circ}$ W., 52 lks. dist., marked N B W M I R $68\frac{1}{2}$ M B T,
 A pine tree, 30 ins. diam., brs. N. $86\frac{1}{2}^{\circ}$ E., 93 lks. dist., marked N B W M I R $68\frac{1}{2}$ M B T.
 October 5, 1906.
-
- October 6: At 7 h. 30m. a.m., l.m.t., I set off 4° 53' S. on the decl. arc and 34° 13' N. on the lat. arc, and determine a true meridian with the solar at the $68\frac{1}{2}$ mile cor.
- Thence I run,
 N. 68° 30' W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 43.51 A pine tree, on line, 12 ins. diam., marked N B W M I R 515, which I change to A P N B W M I R 515 on S. face and B M F R on N. face.

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chains

- Thence I run,
N. $58^{\circ} 50'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 53.39 Along top of ridge. 12 ins.
A sandstone, 18 x 18 x 6 ins., above ground, 44 lks.
left of line, marked C C on E. face, I R on W. face,
from which
A pine tree, 8 ins. diam., brs. N. 89° E., 60 lks.
dist. marked T 10 N R 21 E S 31 B T,
- 64.51 A dead pine tree, on line, 12 ins. diam., 122 lks. left
of line, marked N B W M I R 516. I obliterate this
marking and
Mark a pine tree, 18 ins. diam., close beside pine, A P
N B W M I R 516, on S. face, B M F R on N E. face.
- Thence I run,
N. $5^{\circ} 26'$ E.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 70.75 A pine tree, on line, 18 ins. diam., marked N B W M I R
517, which I change to A P N B W M I R 517, on W.
face and B M F R on E. face.
- Thence I run,
N. $31^{\circ} 03'$ E.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 73.02 A tree marked 170 W M I R, on line, which I destroy.
- 74.32 A pine tree, on line, 12 ins. diam., marked N B W M I R
518, which marking I change to A P N B W M I R 518,
on W. face and B M F R on E. face.
- Thence I run,
N. $3^{\circ} 30'$ E.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 81.91 The 69th mile cor., which is a sandstone, 18 x 12 x 6
ins., above ground, with mound of stone alongside
and marked N B W M I R 69 M. I obliterate markings
and mound of stone and remark
69 M on S. face,
N B W M I R on W. face,
B M F R on E. face, and raise a mound of stone, 3 ft.
base, 2 ft. high, S. of cor., on line,
A pine tree, 15 ins. diam., brs. S. $32^{\circ} 45'$ E.,
78 lks. dist., marked N B W M I R 69 M B T,
A juniper tree, 10 ins. diam., brs. S. $29\frac{1}{2}^{\circ}$ W.,
27 lks. dist., marked N B W M I R 69 M B T,
A juniper tree, 12 ins. diam., brs. N. 82° W.,
33 lks. dist., marked N B W M I R 69 M B T,
A cedar tree, 10 ins. diam., brs. S. $43\frac{1}{2}^{\circ}$ E.,
51 lks. dist., marked N B W M I R 69 M B T.
- Land, mountainous.
Soil, stony; 3rd rate.
Timber, scattering pine, oak and juniper.
Undergrowth, dense scrub oak and pine and locust.
- o0o---
- Thence I run, continuing measurements from 69th mile cor.
N. $3^{\circ} 30'$ E.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 16.55 A pine tree, 18 ins. diam., marked N B W M I R 519, on
line, I change to A P N B W M I R 519, on W. face
and B M F R on E. face.
- Thence I run, N. $37^{\circ} 30'$ W., Var. $14\frac{1}{2}^{\circ}$ E.
Descending along ridge.
- 24.29 A pine tree, 12 ins. diam., marked N B W M I R 520, which
marking I change to A P N B W M I R 520, on S. face
and B M F R on N. face.
- A sandstone, 12 x 12 x 4 ins., above ground, brs. N. 70°
W., 2.15 chs. dist., marked I R on W. face, C C on
E. face, from which

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
- A dead pine tree, 18 ins. diam., brs. N. 79° E.,
80 lks. dist., marked T 10 N R 20 E S 36 B T,
A juniper tree, 14 ins. diam., brs. N. 43° W., 26
lks. dist., marked T 10 N R 20 E S 25 B T.
- Thence I run,
N. $70^{\circ} 12'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 28.85 A dead and fallen tree, marked N B W M I R 521, which I
destroy and
Set a sandstone, 18 x 12 x 12 ins., in a mound of stone
marked A P N B W M I R 521 on S. face and B M F R
on N. face.
A cedar tree, 14 ins. diam., brs. N. 36° E., 60
lks. dist., marked A P 521 B T,
A pinon tree, 12 ins. diam., brs. S. $41\frac{1}{2}^{\circ}$ W.,
48 lks. dist., marked A P 521 B T.
- Thence I run,
N. 52° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 35.69 A pine tree, 30 ins. diam., marked W M I R 168 N B 522,
which markings I destroy and remark A P N B W M I R
522, on S. face and B M F R on N. face.
- Thence I run,
N. $57^{\circ} 25'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 41.05 The $69\frac{1}{2}$ mile cor., which is a sandstone, 16 x 6 x 4
ins., above ground, marked N B W M I R $69\frac{1}{2}$ M.
I obliterate markings and remark,
 $69\frac{1}{2}$ M on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face and raise a mound of stone,
3 ft. base, 2 ft. high, S. E. of cor., on line,
A pine tree, 36 ins. diam., brs. S. 7 lks.
dist., marked N B W M I R $69\frac{1}{2}$ M B T,
A pine tree, 20 ins. diam., brs. S. 69° W., 71
lks. dist., marked N B W M I R $69\frac{1}{2}$ M B T,
A pine tree, 10 ins. diam., brs. S. 77° W., 59
lks. dist., marked N B W M I R $69\frac{1}{2}$ M B T,
An oak tree, 15 ins. diam., brs. N. $40^{\circ} 45'$ W.,
70 lks. dist., marked N B W M I R $69\frac{1}{2}$ M B T.
- Thence I run,
N. 55° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 47.82 A juniper tree, 24 ins. diam., marked N B W M I R 523,
which marking I change to A P N B W M I R 523, on
S. face and B M F R on N. face.
- Thence I run,
N. 36° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 57.66 A dead pine stump on line, marked W M I R 167 N B 524,
which I destroy,
Set a sandstone, 24 x 18 x 6 ins., 18 ins., in the ground
marked A P N B W M I R 524, on S. face and B M F R on
N. face.
A pine tree, 12 ins. diam., brs. S. $78\frac{1}{2}^{\circ}$ E.,
28 lks. dist., marked A P 524 B T,
An oak tree, 14 ins. diam., brs. S. $76^{\circ} 30'$ E.,
69 lks. dist., marked A P 524 B T.
- Thence I run,
N. $65^{\circ} 45'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 62.66 Road Brs. S. E. and NW.
- 64.99 A pine tree, on line, 24 ins. diam., marked N B W M I R
525, which I change to A P N B W M I R 525, on S.
face and B M F R on N. face.
- Thence I run, S. $83^{\circ} 05'$ W., Var. $14\frac{1}{2}^{\circ}$ E.
- 70.94 A pine tree on line, 15 ins. diam., marked N B W M I R
526, which markings I change to A P N B W M I R 526,
on S. face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

- Thence I run,
S. $85^{\circ} 34'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- Along ridge.
- 79.83
7094
889
A dead pine tree on line, 30 ins. diam., marked W M I R 166 N B 527, which marking I obliterate and remark A P N B W M I R 527, on S. face and B M F R on N. face.
An oak tree, 6 ins. diam., brs. S. 60° W., 22 lks. dist., marked A P 527 B T,
A pine tree, 18 ins. diam., brs. S. $82\frac{1}{2}^{\circ}$ E., 11 lks. dist., marked A P 527 B T,
- Thence I run,
N. 78° W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 82.70
293
The 70th mile cor., which is a limestone, 15 x 10 x 4 ins., above ground, with mound of stone alongside, and marked N B W M I R 70 M. I obliterate markings, and mound of stone and remark 70 M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor., on line,
A pine tree, 15 ins. diam., brs. S. 55° W., 15 lks. dist., marked N B W M I R 70 M B T,
A cedar tree, 24 ins. diam., brs. S. 38° E., 24 lks. dist., marked N B W M I R 70 M B T,
A pine tree, 24 ins. diam., brs. S. $71\frac{1}{2}^{\circ}$ E., 69 lks. dist., marked N B W M I R 70 M B T,
A pine tree, 14 ins. diam., brs. N. 45° W., 54 lks. dist., marked N B W M I R 70 M B T.
- Land, mountainous.
Soil, stony; 3rd and 2nd rate.
Timber, scattering pine, oak, juniper and cedar.
- 000---
- Thence I run, continuing measurements from 70th mile cor.
N. $65^{\circ} 15'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 3.99
A pine tree on line, 30 ins. diam., marked ^{AP} N B W M I R 528 on S. face, and B M F R on N. face.
- Thence I run,
S. $65^{\circ} 50'$ W.
- Along ridge.
- 8.21
422
A pine tree, on line, 24 ins. diam., marked N B W M I R 529, which I change to A P N B W M I R 529, on S. face and B M F R on N. face.
- Thence I run,
S. $33^{\circ} 50'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 16.39
818
A juniper tree, 30 ins. diam., on line, marked N B W M I R 530, which marking I change to A P N B W M I R 530, on S. face and B M F R on N. face.
- Thence I run,
S. $1^{\circ} 15'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 18.84
745
A dead pine tree, 18 ins. diam., on line, marked W M I R 163 N B 531, which I destroy and remark A P N B W M I R 531, on S. face and B M F R on N. face.
A pine tree, 15 ins. diam., brs. South, 29 lks. dist., marked A P 531 B T,
A juniper tree, 12 ins. diam., brs. N. 20° E., 61 lks. dist., marked A P 531 B T.
- Thence I run,
S. $68^{\circ} 50'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 24.76
592
A pine tree, on line 20 ins. diam., marked N B W M I R 532, which I change to A P N B W M I R 532, on S. face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

- 35.76 Thence I run, N. $68^{\circ} 41'$ W., Var. $14\frac{1}{2}^{\circ}$ E.
A mound of stone and tree marked W M I R 164, which I destroy.
- 35.86 Trail brs. N. E. and S. W.
- 38.34 A dead and fallen pine tree on line, marked N B W M I R 533, which marking I destroy and
Set a sandstone, 18 x 10 x 8 ins., 12³/₄ ins., in mound of stone, marked A P N B W M I R on S. face and B M F R on N. face.
A juniper tree 6 ins. diam., brs. S. 85° W., 15 lks. dist., marked A P 533 B T,
A juniper tree, 12 ins. diam., brs. N. 10° W., 53 lks. dist., marked A P 533 B T.
- Thence I run,
West,
Var. $14\frac{1}{2}^{\circ}$ E.
- 41.23 The $70\frac{1}{2}$ mile cor., which is a sandstone, 18 x 12 x 3 ins. set in a mound of stone, marked N B W M I R $70\frac{1}{2}$ M. I obliterate markings and remark $70\frac{1}{2}$ M A P 534 on E. face, N B W M I R on S. face, B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor., from which
A pine tree, 12 ins. diam., brs. N. 81° W., 60 lks. dist., marked N B W M I R $70\frac{1}{2}$ M B T,
A pine tree, 12 ins. diam., brs. S. 60° W., 49 lks. dist., marked N B W M I R $70\frac{1}{2}$ M B T,
A juniper tree, 10 ins. diam., brs. S. 61° E., 25 lks. dist., marked N B W M I R $70\frac{1}{2}$ M B T,
An oak tree, 5 ins. diam., brs. N. $41^{\circ} 45'$ W., 15 lks. dist., marked N B W M I R $70\frac{1}{2}$ M B T.
A sandstone, 14 x 4 x 12 ins., above ground, brs. S. $63^{\circ} 30'$ W., 4 lks. dist., marked C C on N. face and I R on S. face, from which
An oak tree, 18 ins. diam., brs. N. $17^{\circ} 30'$ E., 77 lks. dist., marked T 10 N R 20 E S 26 B T,
A pine tree, 6 ins. diam., brs. N. 53° W., 44 lks. dist. marked T 10 N R 20 E S 25 B t.
- Thence I run,
S. $76^{\circ} 11'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 49.54 Ascending along ridge.
A pine tree, on line, 24 ins. diam., marked N B W M I R 535, which I change to A P N B W M I R 535, on S. face and B M F R on N. face.
- Thence I run,
N. $85^{\circ} 34'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 54.28 A pine tree, 24 ins. diam., marked N B W M I R 536; which I change to A P N B W M I R 536 on S. face and B M F R on N. face.
- Thence I run,
N. $38^{\circ} 55'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 56.72 A pine tree, 24 ins. diam., on line, marked N B W M I R 163 N B 537, which marking I obliterate and remark A P N B W M I R 537, on S. and B M F R on N. faces.
- Thence I run,
N. $60^{\circ} 40'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.
- 60.26 Ascending along ridge.
A pine tree, 18 ins. diam., marked N B W M I R 538, which marking I change to A P N B W M I R 538, on S. face and B M F R on N. face.
- Thence I run,
S. $68^{\circ} 50'$ W.,
Var. $14\frac{1}{2}^{\circ}$ E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains
64.52
6
7 22

Along top of ridge.
A pine tree, 18 ins. diam., on line, marked N B W M I R 358, which marking I change to A P N B W M I R 539, on S. face and B M F R on N. face.
Thence I run,
N. 67° 52' W.,
Var. 14½° E.

70.78
6 26

A pine tree on line. 18 ins, diam., marked N B W M I R 540, which marking I change to A P N B W M I R 540, on S. face and B M F R on N. face.
Thence I run,
N. 44° 50' W.,
Var. 14½° E.

83.05
12.27

A tree, marked W M I R 162, which I obliterate.
The 71st. mile cor., which is a sandstone, 12 x 8 x 4 ins. above ground, with mound of stone alongside and marked N B W M I R 71 M. I obliterate marking and mound of stone and remark 71 M A P 541 on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., on line,
A pine tree, 12 ins. diam., brs. S. 42½° W., 48 lks. dist., marked N B W M I R 71 M B T,
A juniper tree, 12 ins. diam., brs. S. 52° W., 78 lks. dist., marked N B W M I R 71 M B T,
A juniper tree, 15 ins. diam., brs. N. 83° W., 75 lks. dist., marked N B W M I R 71 M B T,
A juniper tree, 24 ins. diam., brs. N. 19½° W., 30 lks. dist., marked N B W M I R 71 M B T.

Land, mountainous.
Soil, stony; 3rd rate.
Timber, scattering pine, oak and juniper.
Undergrowth, dense scrub oak, manzanita and locust. Mts. land esc. difficult to survey, 83.05 chs.
---oOo---

Thence I run, continuing measurement from 71st mile cor.
N. 46° 12' W.,
Var. 14½° E.

7.53

A pine tree, 30 ins. diam., marked N B W M I R 542, which marking I change to A P N B W M I R 542, on S. face and B M F R on N. E. face.
Thence I run,
N. 2° 30' W.,
Var. 14½° E.

12.63
5.10

A juniper tree, 24 ins. diam., on line, karked N B W M I R 543, which marking I change to A P N B W M I R 543, on S.W. face and B M F R on NE face.
From this angle point a sandstone, 12 x 12 x 12 ins., above ground, brs. N. 40½° W., 4.31 chs. dist., marked C C on E. face and I R on W. face, from which
An oak tree, 12 ins. diam., brs. N. 40° E., 70 lks. dist., marked T 10 N R 20 E S 23 B T,
A juniper tree, 20 ins. diam., brs. S. 85° E., 108 lks. dist., marked T 10 N R 20 E S 26 B T,
Thence I run,
N. 29° 53' W.,
Var. 14½° E.

21.57
8 94

A pine tree, 30 ins. diam., marked W M I R 161 N B 544, which marking I obliterate and remark A P N B W M I R 544, on S. face and B M F R on N. face.
Thence I run,
N. 89° 09' W.,
Var. 14½° E.

33.78
12 21

A dead pine tree on line, marked N B W M I R 545, which marking I change to A P N B W M I R 545, on S. face and B M F R on N. face.
A pine tree 12 ins. diam., brs. N. 44° E., 57 lks. dist., marked A P 545 B T,
An oak tree, 12 ins. diam., brs. N. 51° W., 49 lks. dist., marked A P 545 B T.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains
 Thence I run,
 N. $33^{\circ} 33'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 38.75 A dead and fallen pine tree, on line, marked N B W M I R
 546, which I destroy and mark a pine tree, 15 ins.
 diam., which stands close beside, A P N B W M I R
 546 on W. face and B M F R on E. face.
- Thence I run,
 N. $3^{\circ} 42'$ E.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 42.08 The $71\frac{1}{2}$ mile cor., which is a sandstone, 12 x 8 x 6
 ins. above ground, marked N B W M I R $71\frac{1}{2}$ M. I
 obliterate markings and remark
 $71\frac{1}{2}$ MAA P 547 on S. face,
 N B W M I R on W. face,
 B M F R on E. face, and raise a mound of stone,
 3 ft. base, 2 ft. high, S. of Cor. on line,
 A pine tree, 18 ins. diam., brs. N. 27° E., 23
 lks. dist., marked N B W M I R $71\frac{1}{2}$ M B T,
 A pine tree, 15 ins. diam., brs. S. 59° E., 83
 lks. dist., marked N B W M I R $71\frac{1}{2}$ M B T,
 A pine tree, 10 ins. diam., brs. S. $32^{\circ} 45'$ E.,
 98 lks. dist., marked N B W M I R $71\frac{1}{2}$ M B T,
 A pine tree, 24 ins. diam., brs. S. $12^{\circ} 45'$ W.,
 60 lks. dist., marked N B W M I R $71\frac{1}{2}$ M B T.
- Thence I run,
 N. $23^{\circ} 07'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 47.20 A pine tree, 14 ins. diam., on line, marked N B W M I R
 548, which I change to A P N B W M I R 548, on S.
 face and B M F R on N. face.
- Thence I run,
 N. $84^{\circ} 02'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 54.96 A juniper tree, 30 ins. diam., marked N B W M I R 549,
 which marking I change to A P N B W M I R 549, on
 S. face and B M F R on N. face.
- Thence I run,
 N. $32^{\circ} 42'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 62.81 A juniper tree, 18 ins. diam., marked N B W M I R 550,
 which marking I change to A P N B W M I R 550, on
 S. face and B M F R on N. face.
- Thence I run,
 N. $73^{\circ} 40'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 67.53 A pine tree on line, 30 ins. diam., marked W M I R 159,
 N B 551, which markings I obliterate and remark
 A P N B W M I R 551, on S. face and B M F R on N. face.
- Thence I run,
 N. $52^{\circ} 35'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 72.72 A dead and fallen pine tree, marked N B W M I R 552,
 which I destroy.
 Set a sandstone, 18 x 8 x 8 ins., 12 ins. above ground,
 marked A P N B W M I R 552, on S. face and B M F R
 on N. face.
 A cedar tree, 18 ins. diam., brs. S. 11° W., 47
 lks. dist., marked A P 552 B T,
 An oak tree, 8 ins. diam., brs. S. 67° E., 45
 lks. dist., marked A P 552 B T.
- Thence I run,
 S. $83^{\circ} 30'$ W.,
 Var. $14\frac{1}{2}^{\circ}$ E.
- 78.46 A pine tree on line, 24 ins. diam., marked N B W M I R
 553, which I change to A P N B W M I R 553, on S.
 face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

A sandstone, 18 x 12 x 12 ins., above ground, brs. N. 82° 10' W., 1.96 chs. dist., marked C C on N. face and I R on S. face, from which
 A pine tree, 15 ins. diam., brs. N. 10° W., 14 lks. dist., marked T 10 N R 20 E S 22 B T,
 A pine tree, 18 ins. diam., brs. N. 84½° E., 85 lks. dist., marked T 10 N R 20 E S 23 B T.

Thence I run,
 N. 83° 45' W.,
 Var. 14½° E.

83.44 The 72nd mile cor., which is a sandstone, 18 x 10 x 8 ins., above ground, with mound of stone alongside and marked N B W M I R 72 M. I obliterate markings and mound of stone and remark
 72 M on E. face,
 N B W M I R on S. face,
 B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor., on line,
 A pine tree, 18 ins. diam., brs. N. 11 lks. dist., marked N B W M I R 72 M B T,
 A pine tree, 12 ins. diam., brs. East 76 lks. dist., marked N B W M I R 72 M B T,
 A pine tree, 12 ins. diam., brs. S. 62° E., 77 lks. dist., marked N B W M I R 72 M B T,
 A pine tree, 24 ins. diam., brs. S. 47½° W., 75 lks. dist., marked N B W M I R 72 M B T.

Land, mountainous.
 Soil, stony; 3rd rate.
 Timber, scattering pine, oak and juniper.
 Undergrowth, dense scrub oak and manzanita. Mts. land exc. difficult to survey 83.44 chs.

---oOo---

Thence I run, continuing measurements from 72nd mile cor.
 N. 85° W.,
 Var. 14½° E.

o.87 A pine tree, 18 ins. diam., marked N B W M I R 554, on line, which marking I change to A P N B W M I R 554, on S. face and B M F R on N. face.

Thence I run,
 N. 65° 23' W.,
 Var. 14½° E.

6.87 A tree on line, marked W M I R 158, which I destroy.
 8.40 A juniper tree on line, 24 ins. diam., which I mark A P N B W M I R 555, on S. face and B M F R on N. face.

Thence I run,
 N. 42° 21' W.,
 Var. 14½° E.

Ascending along slope.

13.28 A juniper tree, 12 ins. diam., marked N B W M I R 556, which I mark A P N B W M I R 556, on S. face and B M F R on N. face.

Thence I run,
 S. 88° 50' W.,
 Var. 14½° E.

18.43 A juniper tree, 18 ins. diam., marked N B W M I R 557, which marking I change to A P N B W M I R 557, on S. face and B M F R on N. face.

Thence I run,
 S. 41° W.,
 Var. 14½° E.

21.96 A juniper tree on line, 14 ins. diam., marked N B W M I R 558, which marking I change to A P N B W M I R 558, on E. face and B M F R on W. face.

Thence I run,
 S. 30° 23' E.,
 Var. 14½° E.

Descending.

26.76 A dead tree, marked N B W M I R 559, on line, which I change to A P N B W M I R 559, on E. face and B M F R on W. FACE

83.44
28.56
4.98

o.87

6.87
8.40

13.28
4.88

18.43
5.15

21.96
3.53

26.76
4.80

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

- chains. A juniper tree, 30 ins. diam., brs. S. 25° W.,
118 lks. dist., marked A P 559 B T.
- A juniper tree, 6 ins. diam., brs. S. 28½° E
83. lks. dist., marked A P 559 B T.
- Thence I run,
S. 15° 20' E.
Var. 14½° E.
- 34.58 A pine tree on line, 24 ins. diam., marked W M I R 157,
N B 560, which marking I destroy and remark A P N B
W M I R 560 on E. face, B M F R on W. face.
Thence I run,
S. 21° 47' W.
Var. 14½° E.
- 40.05 A pine tree, 18 ins. diam., on line, marked N B W M I R
561, which markings I change to A P N B W M I R 561
on E. face, B M F R on S. W. face.
Thence I run,
S. 2° 50' E.
Var. 14½° E.
- 4125 The 72½ mile cor., which is a sandstone, 12 x 10 x 4 ins.
above ground, marked N B W M I R 72½ M, which markings
I obliterate and remark
72½ M A P 562 on N. face,
N B W M I R on E. face,
B M F R on W. face, and raise a mound of stone, 3 ft
base, 2 ft. high, N. of cor.
A pine tree, 12 ins. diam., brs. N. 5° 45' E.,
59 lks. dist., marked N B W M I R 72½ M B T,
A juniper tree, 15 ins. diam., brs. N. 23½° E
37 lks. dist., marked N B W M I R 72½ M B T
A juniper tree, 18 ins. diam., brs. N. 55° E. 80
lks. dist., marked N B W M I R 72½ M B T,
A juniper tree, 30 ins. diam., brs. S. 66° W.,
61 lks. dist., marked N B W M I R 72½ M B T.
- Thence I run,
S. 20° 15' W.
Var. 14½° E.
- 48.07 A juniper tree, 30 ins. diam., on line, marked N B W M I R
563, which I change to A P N B W M I R 563 on S. E. face,
B M F R on N. W. face.
Thence I run,
S. 72° 51' W.
Var. 14½° E.
- 53.25 Trail brs. N. W. and S. E.
56.95 Tree on line, marked W M I R 156, which I destroy.
58.01 A pine tree on line, 14 ins. diam., marked N B W M I R 564,
which marking I change to A P N B W M I R 564 on S.
face, B M F R on N. face.
Thence I run,
S. 60° 10' W.
Var. 14½° E.
- 74.19 A juniper tree on line, 18 ins. diam., marked N B W M I R
565, which marking I change to A P N B W M I R 565 on
S. face, B M F R on N. face.
Thence I run,
S. 84° 20' W.
Var. 14½° E.
- 82.55 The 73rd mile cor., which is a sandstone, 12 x 10 x 12
ins. above ground, with mound of stone alongside,
and marked N B W M I R 73 M. I obliterate marking and
mound of stone, and remark,
73 M on E. face,
N B W M I R on S. face,
B M F R on N. face, and raise a mound of stone, 3 ft
base, 2 ft. high, E. of cor., on line.
A pine tree, 30 ins. diam., brs. N. 85° W.,
60 lks. dist., marked N B W M I R 73 M B T.
A pine tree, 18 ins. diam., brs. S. 89° W., 49
lks. dist., marked N B W M I R 73 M B T,

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains. A pine tree, 30 ins. diam., brs. S. 57 1/2° E., 37 lks. dist., marked N B W M I R 73 M B T,
 A pine tree, 24 ins. diam., brs. S. 28 1/2° E., 35 lks. dist., marked N B W M I R 73 M B T.
 Land, mountainous.
 Soil, stony, 3rd rate.
 Timber, scattering pine, oak, juniper and cedar.
 Undergrowth, dense scrub oak, manzanita and locust.
 Mountain land, exceptionally difficult to survey, 82.55 chs.
 October 6, 1906.

October 7: At 7 30 a.m., l.m.t., I set off 5°15' S on the decl. arc and 34° 14' N on the lat. arc, and determine a true meridian with the solar at the 73rd mile cor. Thence I run, continuing measurement from 73rd mile cor., N. 87° 48' W.
 Var. 14 1/2° E.

18.23 A pine tree, 24 ins. diam., marked W M I R 154 N B 566, which marking I destroy and remark A P N B W M I R 566, on S. face, B M F R on N. face.
 A sandstone, 10 x 8 x 6 ins. above ground, with mound of stone, alongside, brs. from this cor. S. 74° 30' W., 5.01 chs., dist., marked C C on E. face, W M I R N B on S. face, from which
 A pine tree, 24 ins. diam., brs. N. 8° E., 120 lks. dist., marked T P N R 20 E S 22 B T,
 A pine tree, 18 ins. diam., brs. N. 57° W., 73 lks. dist., marked T P N R 20 E S 21 B T.
 Thence I run, S. 89° 30' W.
 Var. 14 1/2° E.

35.93 A pine tree on line, 15 ins. diam., marked N B W M I R 567, which marking I change to A P N B W M I R 567 on S face, B M F R on N. face.
 Thence I run, S. 43° 30' W.
 Var. 14 1/2° E.

40.78 The 73 1/2 mile cor., which is a sandstone, 12 x 6 x 4 ins. above ground, with mound of stone alongside, and marked N B W M I R 73 1/2 M. I obliterate markings and mound of stone and remark 73 1/2 M, on N. E. face, N B W M I R on S. E. face, and B M F R on N. W. face, and raise a mound of stone, 3 ft base, 2 ft high, N. E. of cor. on line
 A pine tree, 24 ins. diam., brs. S. 21° E., 34 lks. dist., marked N B W M I R 73 1/2 M B T
 A pine tree, 10 ins. diam., brs. S. 33° E. 24 lks. dist., marked N B W M I R 73 1/2 M B T
 A pine tree, 12 ins. diam., brs. N. 2° W., 45 lks. dist., marked N B W M I R 73 1/2 M B T,
 A pine tree, 15 ins. diam., brs. E. 38 lks. dist., marked N B W M I R 73 1/2 M B T,
 A pine tree, 24 ins. diam., brs. S. 6° 45' W., 122 lks. dist., marked W M I R 153 N B 73 1/2 M, which marking I destroy
 A sandstone, 12 x 10 x 3 ins., above ground, brs. S. 3° 30' W., 1.46 chs. dist., marked C C on W and I R on E face, from which
 An oak tree, 14 ins. diam., brs. S. 67 1/2° W., 71 lks. dist., marked T P N R 20 E S 28 B T,
 A pine tree, 18 ins. diam., brs. N. 48 1/2° W., 125 lks. dist., marked T P N R 20 E S 21 B T.
 Thence I run, S. 44° 10' W.
 Var. 14 1/2° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

46.42 A pine tree on line, 15 ins. diam., marked N B W M I R 569 which I change to A P N B W M I R 569 on S E face, B M F R on N W face.
 Thence I run,
 S. 76° 05' W.,
 Var. 14½° E.,

51.66 A pine tree on line, 18 ins. diam., marked N B W M I R 570, which marking I change to A P N B W M I R 570 on S. face, B M F R on N. face.
 Thence I run,
 S. 50° 07' W.,
 Var 14½° E.

57.76 A dead and fallen pine tree, marked N B W M I R 571, which I destroy. A mound of stone, 18 x 6 x 6 ins., 22 ins. high of stone, marked A P N B W M I R 571, on S E face, B M F R on N W face.

A pine tree, 12 ins. diam., brs. N. 21½° E., 47 lks. dist., marked A P 571 B T.
 An oak tree, 10 ins. diam., brs. N. 71½° E., 35 lks. dist., marked A P 571 B T.
 Thence I run,
 S. 39° 10' W.,
 Var. 14½° E.

64.06 A pine tree, on line, 24 ins. diam., marked W M I R 0152 N B 572. I obliterate markings and remark A P N B W M I R 572 on S. face, B M F R on N. face.
 Thence I run,
 S. 27° 41' W.,
 Var. 14½° E.

75.38 A juniper tree on line, 24 ins. diam., marked N B W M I R 573 which marking I change to A P N B W M I R 573 on E face, B M F R on W. face.
 Thence I run,
 S. 48° 30' W.,
 Var. 14½° E.,

78.80 A dead and fallen pine tree, marked N B W M I R 574, which I destroy. Blaze and mark a juniper tree, standing close beside, A P N B W M I R 574 on E. face, B M F R on W. face.
 Thence I run,
 S. 51° 18' W.,
 Var 14½° E.,

81.33 The 74th mile cor., which is a sandstone, 12 x 12 x 6 ins. above ground with mound of stone alongside, and marked N B W M I R 74 M. I obliterate marking and mound of stone, and remark 74 M on N E face,

N B W M I R on S E. face, B M F R on N W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N E of cor., on line.

- A pine tree, 12 ins. diam., brs. S. 59° E., 21 lks. dist., marked N B W M I R 74 M B T.
- A pine tree, 12 ins. diam., brs. S. 84° E 15 lks. dist., marked N B W M I R 74 M B T.
- A pine tree, 18 ins. diam., brs. N. 21° 30' W., 32 lks. dist., marked N B W M I R 74 M B T.
- A juniper tree, 14 ins. diam., brs. N. 61° W., 45 lks. dist., marked N B W M I R 74 M B T.

Land, mountainous.
 Soil, stony; 3rd rate.
 Timber, scattering pine, oak and juniper.
 Undergrowth, dense scrub oak and pine.

--oOo--

Thence I run, continuing measurement from 74th mile cor.
 S. 44° 40' W.,
 Var. 14½° E.

RESERVATION BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains.

48.19 A pine tree on line, 24 ins. diam., marked W M I R 151
N B 576, which marking I destroy and remark A P N B
W M I R 575 on SE face, B M F R on NW face.
Thence I run,
S. 44° 37' W.,
Var. 14 1/2° E.

18.56 A pine tree, 14 ins. diam., marked N B W M I R 576,
which marking I change to A P N B W M I R 576 on E.
face, B M F R on W. face.
Thence I run,
S. 11° 33' W.,
Var. 14 1/2° E.

23.92 A pine tree on line, 12 ins. diam., marked N B W M I R 577
which marking I change to A P N B W M I R 577 on E face.
B M F R on W. face.
Thence I run,
S. 23° 25' W.,
Var. 14 1/2° E.

28.78 A pine tree, on line, 24 ins. diam., marked W M I R 150,
N B 578, which marking I destroy and remark A P
N B W M I R 578 on E. face, B M F R on W. face.
Thence I run,
S. 40° 09' W.,
Var. 14 1/2° E.

40.60 The 74 1/2 mile cor., which is a sandstone 10 x 10 x 8 ins.
above ground, with mound of stone alongside, and
marked N B W M I R 74 1/2 M. I. obliterate marking and
mound of stone, and remark
74 1/2 M A P 579 on N. E. face,
N B W M I R on S. E. face,
B M F R on N. W. face, and raise a mound of stone, 3
ft. high, 2 ft. high, N E of cor., on line,

A juniper tree, 12 ins. diam., brs. N. 71° W.,
24 lks. dist., marked N B W M I R 74 1/2 M B T,
A juniper tree, 15 ins. diam., brs. N. 52° W.,
30 lks. dist., marked N B W M I R 74 1/2 M B T.
A pine tree, 15 ins. diam., brs. S. 55° E.,
42 lks. dist., marked N B W M I R 74 1/2 M B T.
A juniper tree, 12 ins. diam., brs. N. 15° E.,
52 lks. dist., marked N B W M I R 74 1/2 M B T.
Thence I run,
S. 25° 35' W.,
Var. 14 1/2° E.

47.89 A pine tree, 30 ins. diam., on line, marked N B W M I R
580, which marking I change to A P N B W M I R 580 on
SE face, B M F R on NW face.
Thence I run,
S. 40° 15' E.,
Var. 14 1/2° E.

51.25 A tree on line, marked W M I R 149, which I destroy.
53.52 A dead pine tree on line, 8 ins. diam., marked N B W M I R
581, which marking I change to A P N B W M I R 581 on
SE face, B M F R on SW face, and raise a mound of
stone, from which,
A pine tree, 16 ins. diam., brs. S. 29° E., 44
lks. dist., marked A P 581 B T,
A pine tree, 4 ins. diam., brs. S. 41° W. 45
lks. dist., marked A P 581 B T,
Thence I run,
S. 20° 16' W.,
Var. 14 1/2° E.

57.22 Along ridge.
A dead and fallen pine tree on line, marked N B W M I R
582, which marking I destroy and
Blaze and mark a pine tree, 15 ins. diam., which stands
close beside other pine tree, A P N B W M I R 582 on
E face, B M F R on W. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains	
61.09 387	Thence I run, S. 33° 45' W. Var. 14 1/2° E. along ridge. A pine tree 14" diam. on line marked NBWMIR 583, which I change to APNBWMIR 583 on E. face & BMFR on W. face. Thence S. 2° 35' W. Var. 14 1/2° E.
64.90 381	A sandstone on line 12x10x12 ins. set in a mound of stone marked CC on W. IR on E. faces, from which an oak tree 10" diam. brs. S. 46 1/2° W. 48 lks. dist. marked T. 10 N. R. 20 E. S. 33 B.T. An oak tree 12" diam. brs. N. 32° W. 71 lks. dist. marked T. 10 N. R. 20 E. S. 28 B.T.
65.73	A tree on line marked X, which I destroy.
81.44 1654	To 75 mile cor. a sandstone 12x10x8 ins. above ground with md. of stone alongside and marked NBWMIR 75 M., I re-mark same NBWMIR 75 M. on E. face BMFR on W. face and raised a mound of stone 3 ft. base 2 ft. high N. of cor. from which A pine tree 14" diam. brs. N. 70 1/4° W. 26 lks. dist. marked NBWMIR 75 M. B.T. A pine tree 14" diam. brs. S. 30 1/2° W. 34 lks. dist. marked NBWMIR 75 M. B.T. A pine tree 15" diam. brs. S. 33° E. 59 lks. dist. marked NBWMIR 75 M. B.T. A pine tree 24" diam. brs. N. 72 1/2° E. 47 lks. dist. marked NBWMIR 75 M. B.T.
	Land mts. Soil, stony 2nd & 3rd rate. Timber, heavy pine oak and juniper. Mts. land exc. difficult to survey, 81.44 chs. -----00000000-----
9.19	Thence I run, continuing measurement from the 75 mile cor. S. 58° 04' W. Var. 15° E. A pine tree 13" diam. marked NBWMIR 585, which I change to APNBWMIR 585 on E. & BMFR on N.W. faces. Thence, S. 22° 30' W. Var. 15° E.
13.49	A juniper tree 24" diam. marked NBWMIR 586, which I change to APNBWMIR 586 on E. & BMFR on NW. faces. Thence S. 50° 56' W. Var. 15° E.
17.30	Closing cor. of sec. 32 & 33 brs. N. 50° 56' W. 16 lks. which is a sandstone 12x10x7 ins. marked C.C. on N., I.R. on S. faces from which, A pine tree 10" diam brs. N. 12 1/2° E. 146 lks. dist. marked T. 10 N. R. 20 E. S. 33 B.T. A pine tree 16" diam: brs. N. 84 1/2° W. 70 lks. dist. marked T. 10 N. R. 20 E. S. 32 B.T.
21.64	A pine tree 24" diam. marked NBWMIR 587, which I change to APNBWMIR 587 on E. & BMFR on N. faces. Thence S. 51° W. Var. 15° E.
28.69	An oak tree on line 12" diam. NBWMIR 588 which I change to APNBWMIR 588 on E. face & BMFR on N. face. Thence, S. 68° W. Var. 15° E.
36.58 789	A pine tree 18" diam. which I mark APNBWMIR 589 on S. face and BMFR on N. face, Thence S. 47° 22' W.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains	
3618 37.83 1 25	A pine tree on line 30" diam. marked WMIR 146, which I & destroy.
41.31 3 48	To the 75 1/2 mile cor. a sandstone 12x12x10 ins. above ground with mound of stone alongside marked NBWMIR 75 1/2 M., which I change to NBWMIR 75 1/2 M on SE. face and BMFR on NW. face and raise a mound of stone 3 ft. base 2 ft. high NE of cor. from which, A pine tree 15" diam. brs. N. 36°45'E. 27 lks. dist. marked NBWMIR 75 1/2 M.B.T. A pine tree 30" diam. brs. N. 87 1/2° W. 49 lks. dist. marked NBWMIR 75 1/2 M.B.T. A juniper tree 8" diam. brs. S. 19 1/4° W. 72 lks. dist. marked NBWMIR 75 1/2 M.B.T. A pine tree 14" diam. brs. S. 9° 45' W. 98 lks. dist marked NBWMIR 75 1/2 M.B.T. Thence S. 46°15'W. Var. 15° E.
45.03 3 72	A pine tree on line 14" diam. marke NBWMIR 590, which I change to APNBWMIR 590 on E. & BMFR on N.W. face. Thence S. 62° 52' W. Var. 15° E.
52.13 7 10	A dead pine tree 18" diam. marked NBWMIR 591, which I change to APNBWMIR 591 on SE. & BMFR on N.W. faces. from which A pine tree 24" diam. brs. N. 10° W. 37 lks. dist. marked A.P. 591 B.T. A pine tree 20" diam. brs. N. 74° E. 22 lks. dist. marked A.P. 591 B.T. Thence N. 86° W. Var. 15° E.
60.43 8 30	A dead pine tree 24" diam. marked WMIR 145, NB592, which I change to APNBWMIR 592 on E. & BMFR on N. faces. from which, A pine tree 18" diam. brs. N. 10° W. 37 lks. dist. marked A.P. 592 B.T. A pine tree 15" diam. brs. S. 58° W. 39 lks. dist., marked A.P. 592 B.T. Thence N. 88° 34' W. Var. 15° E.
81.86 21 43	To 76 mile cor., a sandstone 12x10x4 ins. above ground with mound of stone alongside & marked NBWMIR 76 M., which I change to NBWMIR 76 M. on E. & BMFR. on N. faces and raise a mound of stone 3 ft. base 2 ft. high E. of cor. from which, A pine tree 15" diam. brs. S. 38 1/2° W. 36 lks. dist. marked NBWMIR 76 M.B.T. An oak tree 15" diam. brs N. 1° W. 62 lks. dist. marked NBWMIR 76 M.B.T. A pine tree 12" diam. brs. N. 40 1/2° E. 75 lks. dist. marked NBWMIR 76 M.B.T. An oak tree 6" diam. brs. N. 74° E 35 lks. dist. marked NBWMIR 76 M.B.T. Land, high rolling mesa, Soils, Stony, 2nd & 3rd rate. Timber, heavy pine oak and juniper. High rolling mesa land heavily timbered and exc. diff. to survey 81.86 chs.

SURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

October 7: At noon, l.m.t., I set off 5° 21' 4" S, of the decl. arc and observe the sun on the meridian; the resulting lat. is 34° 13' N.

Thence I run, continuing measurement from 76th mile cor. N. 78 1/2° W., Var. 15° E.

1.11 A pine tree on line, 18 ins. diam., marked W M I R 144 N B 593, which marking I obliterate and remark A P N B W M I R 593 on S W face, B M F R on N E face.

Thence I run, N. 74° 15' W., Var. 15° E.

6.18 A pine tree on line, 18 ins. diam., marked N B W M I R, 594, which marking I change to A P N B W M I R 594 on S W face, B M F R on N E face.

Thence I run, N. 79° W., Var. 15° E.

22.20 A sandstone, 12 x 6 x 3 ins. above ground on line, marked C C on N and I R on S. faces, from which A pine tree, 10 ins. diam., brs. N. 45° E. 78 lks. dist., marked T 10 N R 20 E S 32 B T

01 x 11 A pine tree, 18 ins. diam., brs. N. 33° W. 45 lks. dist., marked T 10 N R 20 E S 31 B T.

24.08 A tree on line, marked W M I R 143, which I destroy.

31.55 A dead and fallen tree on line, marked N B W M I R 595, which I destroy and

Set a stake, 4 x 4 ins x 4 ft. high and marked A P N B W M I R 595 on S face, B M F R on N. face.

A pine tree, 10 ins. diam., brs. S. 85° E, 34 lks. dist., marked A P 595 B T,

A pine tree, 12 ins. diam., brs. N. 0 1/2° W., 50 lks. dist., marked A P 595 B T.

Thence I run, S. 72° 17' W., Var. 15° E.

37.90 A pine tree on line, 12 ins. diam., marked N B W M I R 596, which marking I change to A P N B W M I R 596 on S. face, B M F R on N. face.

Thence I run, S. 88° 15' W., Var. 15° E.

41.01 The 76 1/2 mile cor., which is a sandstone, 12 x 12 x 4 ins. above ground with mound of stone alongside and marked N B W M I R 76 1/2 M. I obliterate marking and mound of stone and remark

1076 1/2 M. on E. face.

N B W M I R on S. face, B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor. on line.

A pine tree, 18 ins. diam., brs. N. 39° E., 44 lks. dist., marked N B W M I R 76 1/2 M B T

A pine tree, 20 ins. diam., brs. N. 88 1/4° E. 44 lks. dist., marked N B W M I R 76 1/2 M B T.

A pine tree, 14 ins. diam., brs. N. 46° 20' W., 64 lks. dist., marked N B W M I R 76 1/2 M B T.

A pine tree, 10 ins. diam., brs. N. 50 1/4° E., 62 lks. dist., marked N B W M I R 76 1/2 M B T

Thence I run, N. 86° 33' W., Var. 15° E.

45.81 A pine tree, 24 ins. diam., marked W M I R 142 N B 597, on line, which markings I obliterate and remark

A P N B W M I R 597 on S face, B M F R on N. face.

BOUNDARY WITH MOUNTAIN INDIAN RESERVATION

chains.

Thence I run, S. 70° 15' W.,
Var. 15° E.

53.38 A pine tree on line, 14 ins. diam., marked N B W M I R 598, which markings I change to A P N B W M I R 598 on S. face, B M F R on N. face.

Thence I run, S. 49° 48' W.,
Var. 15° E.

66.71 A pine tree, 12 ins. diam., marked N B W M I R 599, which marking I change to A P N B W M I R 599, on S. face, B M F R on N. face.

Thence I run, S. 86° 53' W.,
Var. 15° E.

68.61 A tree on line, marked W M I R, 141, which I destroy.

73.57 A juniper tree, 24 ins. diam., marked N B W M I R 600, on line, which markings I change to A P N B W M I R 600 on S. face, B M F R on N. face.

Thence I run, N. 83° 25' W.,
Var. 25° E.

81.86 The 77th mile cor., which is a sandstone 11 x 10 x 4 ins. above ground, with mound of stone alongside, and marked N B W M I R 77 M. I obliterate markings and mound of stone, and remark 77 M on E. face, B M F R on N. face, and raise a mound of stone, 3 ft base, 2 ft high, E. of cor. on line.

A pine tree, 15 ins. diam., brs. N. 55° 45' W., 31 lks. dist., marked N B W M I R 77 M B T

A pine tree, 12 ins. diam., brs. S. 31° W., 24 lks. dist., marked N B W M I R 77 M B T

A pine tree, 10 ins. diam., brs. S. 45° 24 lks. dist., marked N B W M I R 77 M B T

A pine tree, 18 ins. diam., brs. N. 45° E. 54 lks. dist., marked N B W M I R 77 M B T.

Land, high rolling mesa.
Soil, stony; 2nd and 3rd rate.
Timber, heavy pine, oak and juniper. Heavily timbered land, exceptionally difficult to survey, 81.86 chs.

--00--

Thence I run, continuing measurement from 77th mile Cor. West,
Var. 15° E.

2.46 A dead oak tree, 8 ins. diam., marked N B W M I R 601, which marking I change to A P N B W M I R 601 on S face, B M F R on N. face, from which

A pine tree, 24 ins. diam., brs. S. 45° E., 20 lks. dist., marked A P 601 B T.

A juniper tree, 15 ins. diam., brs. S. 10° E., 127 lks. dist., marked A P 601 B T

Thence I run, N. 76° 45' W.,
Var. 15° E.

9.10 A dead oak stump, marked N B W M I R 602, on line. I destroy this and

Set a stake, 4 x 4 ins. x 5 ft. above ground, marked A P N B W M I R 602 on S face, B M F R on N. face.

A pine tree, 10 ins. diam., brs. S. 74° 30' E., 49 lks. dist., marked A P 602 B T.

A pine tree, 14 ins. diam., brs. S. 69° 30' W., 52 lks. dist., marked A P 602 B T

Thence I run, S. 84° 05' W.,
Var. 15° E.

RESERVED NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

- chains
- 10.10 A tree on line, marked W M I R 240, which I destroy.
- 17.17 An oak tree, 12 ins. diam., marked N B W M I R 603, which marking I change to A P N B W M I R 603, on S. face, B M F R on N. face.
 Thence I run,
 N. 73° W.,
 Var. 15° E.
- 22.00 A pine tree on line, 12 ins. diam., marked N B W M I R 604, which marking I change to A P N B W M I R 604 on S. face, B M F R on N. face.
 A sandstone, 10 x 8 x 10 ins. above ground, brs. S. 79° W., 0.73 chs. dist., marked C C on N. and I B on S. faces, from which.
 A pine tree, 24 ins. diam., brs. N. 25½° W., 60 lks. dist., marked I 10 N R 10 E S 30 B T.
 Thence I run,
 S. 85° 26' W.,
 Var. 15° E.
- 38.44 A pine tree, 24 ins. diam., marked N B W M I R 605, which markings I change to A P N B W M I R 605 on S. face, B M F R on N. face.
 Thence I run,
 S. 85° 12' W.,
 Var. 15° E.
- 41.14 The 77½ mile cor., which is a sandstone, 8 x 6 x 4 ins. above ground, with mound of stone alongside, and marked N B W M I R 77½ M. I obliterate markings and mound of stone, and remark,
 77½ M. on E. face,
 N B W M I R on S. face, and
 B M F R on N. face, and raise a mound of stone, 3 ft base, 2 ft. high, E. of cor. on line,
 A pine tree, 24 ins. diam., brs. N. 83° 45' W., 54 lks. dist., marked N B W M I R 77½ M B T.
 A pine tree, 12 ins. diam., brs. N. 5° 45' E., 87 lks. dist., marked N B W M I R 77½ M B T.
 A pine tree, 10 ins. diam., brs. N. 38° E., 34 lks. dist., marked N B W M I R 77½ M B T.
 A pine tree, 12 ins. diam., brs. S. 36° E. 68 lks. dist., marked N B W M I R 77½ M B T.
 Thence I run,
 S. 85° 12' W.,
 Var. 15° E.
- 50.24 A pine tree on line, 24 ins. diam., marked N B W M I R 607, which marking I change to A P N B W M I R 607, on S. face, B M F R on N. face.
 Thence I run,
 N. 77° 38' W.,
 Var. 15° E.
- 67.36 A pine tree on line, 10 ins. diam., marked N B W M I R 608, which marking I change to A P N B W M I R 608 on S. face, B M F R on N. face.
 Thence I run,
 N. 78° 16' W.,
 Var. 15° E.
- 75.23 A pine tree on line, 6 ins. diam., marked N B W M I R 609, which marking I change to A P N B W M I R 609 on S. face, B M F R on N. face.
 Thence I run,
 S. 87° 40' W.,
 Var. 15° E.
- 81.94 The 78th mile cor., which is a sandstone 8 x 6 x 7 ins., a above ground, with mound of stone alongside, and marked N B W M I R 78 M. I obliterate marking and mound of stone, and remark

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

78 M on S. face, N. B. W. M. I. R. on S. face,
 B. M. F. R. on N. face, and raise a mound of stone, 3 ft
 base, 2 ft. high, S. of cor., on line,
 A pine tree, 6 ins. diam., brs. N. 71° W. 14
 lks. dist., marked N B W M I R 78 M B T,
 A pine tree, 12 ins. diam., brs. N. 171° W., 16
 lks. dist., marked N B W M I R, 78 M B T,
 A pine tree, 14 ins. diam., brs. N. 35° 45' E.,
 28 lks. dist., marked N B W M I R 78 M B T,
 A pine tree, 10 ins. diam., brs. N. 701° E.,
 19 lks. dist., marked N B W M I R 78 M B T.
 Land, high rolling mesa.
 Soil, stony, 2nd and 3rd rate,
 Timber, heavy pine, oak and juniper.
 Heavily timbered land, exceptionally difficult to survey,
 81.94chs.

Thence I run, continuing measurement from 78th mile cor.
 N. 70° 31' W. 15' E.
 11.67 A pine tree, 8 ins. diam., marked N B W M I R 611, which
 marking I change to A P N B W M I R 611 on S. face,
 B M F R on N. face.
 A pine tree, 6 ins. diam., brs. S. 61° W., 3 lks.
 dist., marked A P 611 B T.
 A pine tree, 14 ins. diam., brs. S. 37° W., 7 lks.
 dist., marked A P 611 B T.
 Thence I run,
 N. 70° 31' W. 15' E.

18.07 A tree marked W. H. I. R. 136, which I destroy.
 22.38 A juniper tree on line, 15 ins. diam., marked N B W M I R
 612, which marking I change to A P N B W M I R 612 on S.
 face, B M F R on N. face.
 From this angle point, a sandstone, 8 x 6 x 6 ins., set in
 mound of stone, brs. N. 66° W., 1.37 chs. dist., marked
 C G on N, and I B on S. faces, from which
 A pine tree, brs. N. 30° E., 65 lks. dist., marked
 A P 10 N B 10 E S 36 B T.
 Thence I run,
 N. 72° 32' W. 15' E.

40.88 The 78 1/2 mile cor., which is a sandstone, 10 x 10 x 6.
 ins. above ground, and marked N B W M I R 78 1/2 M.
 I obliterate markings and remark
 78 1/2 M on S E face,
 N B W M I R on S W face,
 B M F R on N E face, and raise a mound of stone, 3
 ft base, 2 ft high, S. of cor. on line.
 A pine tree, 15 ins. diam., brs. N. 59° E.,
 44 lks. dist., marked N B W M I R 78 1/2 M B T
 A pine tree, 24 ins. diam., brs. S. 39° W.,
 20 lks. dist., marked N B W M I R 78 1/2 M B T
 A pine tree, 15 ins. diam., brs. N. 11° W.,
 59 lks. dist., marked N B W M I R 78 1/2 M B T
 No other tree available. October 7, 1906.

October 8: At 7:30 a.m., l.m.t., I set off 5° 39' S.
 on the decl. arc and 34° 13' N. on the lat. arc, and de-
 termine a true meridian with the solar at the 78 1/2 mile
 cor.

Chains.

- Thence I run, N. 66° 40' W.
Var. 15° E.
- 44.74 A juniper tree on line 20" diam. marked NBWMIR 613, which
3.86 I change to APNBWMIR 613 on S. & BMFR on N. faces.
Thence
N. 59° 54' W.
Var. 15° E.
- 54.33 An oak tree on line 12" diam. marked NBWMIR 614, which I
9.59 change to APNBWMIR 614 on S. & BMFR on N. faces.
Thence
N. 47° 45' W.
Var. 15° E.
- 60.85 Trail, brs. N. & S.
61.75 A pine tree on line 15" diam. marked NBWMIR 615, which I
7.42 change to APNBWMIR 615 on S. & BMFR on N. faces.
Thence
N. 55° 05' W.
Var. 15° E.
- 65.75 A tree on line marked WMIR 134 which I destroy.
82.75 A dead and fallen tree on line marked NBWMIR 616, which I
11- destroy and set a stake 5"x5" x3 ft. above ground
marked APNBWMIR 616 on S. & BMFR on N. faces from which
A pine tree 10" diam. brs. N. 26° 10' W. 107 lks. dist.
marked A.P. 616 B. T.
A pine tree 18" diam. brs. N. 87° E. 20 lks. dist.
marked A.P. 616 B. T.
- Thence N. 37° 25' W.
Var. 15° E.
- 81.64 To 79 mile cor., a sandstone 8x6x6 ins. above ground
8.89 with md. of stone alongside, & marked NBWMIR 79 M.,
which I re-mark NBWMIR 79 M. on S. & BMFR on N. faces
and raise a mound of stone 3 ft. base 2 ft. high N. of
Cor. from which,
A pine tree 10" diam. brs. N. 63° E. 38 lks. dist.
marked NBWMIR 79 M. B. T.
An oak tree 6" diam. brs. S. 69° W. 26 lks. dist.
marked NBWMIR 79 M. B. T.
An oak tree 6" diam. brs. N. 37 1/2° E. 44 lks. dist.
marked NBWMIR 79 M. B. T.
An oak tree 14" diam. brs. S. 51° W. 37 lks. dist.
marked NBWMIR 79 M. B. T.
- Land high rolling mesa.
soil, stony 2nd & 3rd rate.
Timber, heavy pine oak and juniper.
Heavily timbered land exc. difficult to
survey 81.64 chs,

B.T. 50K.
Deputy

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- Thence I run, continuing measurement from 79th mile cor.
N. $43^{\circ} 12'$ W.,
Var. 15° E.
- 5.10 A pine tree on line, 24 ins. diam., marked W M I R 133
N B 618, which marking I obliterate and remark A P
N B W M I R 618, on S. face and B M F R on N. face.
- Thence I run,
N $49^{\circ} 28'$ W.,
Var. 15° E.
- 10.70 A pine tree, on line 12 ins. diam., marked N B W M I R
619, which marking I change to A P B B W M I R 619,
on S. face and B M F R on N. face.
- Thence I run,
N. $33^{\circ} 33'$ W.,
Var. 15° E.
- 13.20 Trail brs. N. and S.
- 24.19 A sandstone, 8 x 8 x 10 ins., set in mound of stone,
9 lks. left of line, marked C C on N. and I R on S.
faces, from which
A pine tree, 6 ins. diam., brs. N. $35\frac{1}{2}^{\circ}$ E.,
131 lks. dist., marked T 10 N R 19 E S 26 B T,
A pine tree, 24 ins. diam., brs. S. $78\frac{1}{2}^{\circ}$ E.,
111 lks. dist., marked T 10 N R 19 E S 35 B T.
- 28.60 A pine tree, 30 ins. diam., marked W M I R 132 N B 620,
which marking I change to A P N B W M I R 620, on
S. face and B M F R on N. face.
- Thence I run,
N. 28° W.,
Var. 15° E.
- 41.21 The $79\frac{1}{2}$ mile cor., which is a sandstone, 24 x 12 x 3 ins.,
set in a mound of stone, marked N B W M I R $79\frac{1}{2}$ M.
I obliterate markings and remark $79\frac{1}{2}$ M, on S. E.
face,
N B W M I R, on S. W. face and B M F R, on N. E.
face, from which
A pine tree, 12 ins. diam., brs. N. $74\frac{1}{4}^{\circ}$ E.,
43 lks. dist., marked N B W M I R $79\frac{1}{2}$ M B T,
A juniper tree, 24 ins. diam., brs. S. $63^{\circ} 10'$ W.,
74 lks. dist., marked N B W M I R $79\frac{1}{2}$ M B T,
A pine tree, 15 ins. diam., brs. East, 77 lks.
dist., marked N B W M I R $79\frac{1}{2}$ M B T.
A pine tree, 6 ins. diam., brs. N 76° W., 101
lks. dist., marked N B W M I R, $79\frac{1}{2}$ M B T.
- Thence I run,
N. $35^{\circ} 40'$ W.,
Var. 15° E.
- 46.37 A pine tree on line, 10 ins. diam., marked N B W M I R
621, which marking I change to A P N B W M I R 621
on SW face and B M F R on NE face.
- Thence I run,
N. $1^{\circ} 18'$ E. Var. 15° E.
- 53.85 A pine tree, 15 ins. diam., marked N B W M I R 622,
which marking I change to A P N B W M I R 622 on
W. face and B M F R on E. face.
- Thence I run,
N. $28^{\circ} 28'$ W.,
Var. 15° E.
- 62.66 A pine tree, 10 ins. diam., marked N B W M I R 623,
which marking I change to A P N B W M I R 623, on
S. face and B M F R on N. face.
- From this cor. a sandstone, 6 x 6 x 12. ins. above ground,
brs. N. $61^{\circ} 15'$ W., 1.85 chs. dist., marked C C on
N. face and I R on S. face, from which
An oak tree, 6 ins. diam., brs. N. $62^{\circ} 35'$ W.,
118 lks. dist., marked T 10 N R 19 E S 27 B T,
An oak, 6 ins. Diam. brs. S. $62^{\circ} 30'$ E., 55 lks.
dist., marked T 10 N R 19 E S 26 B T.

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Chains

- Thence I run,
N. 62° 13' W.,
Var. 15° E.
- Along ridge.
- 70.71 A pine tree, 15 ins. diam., marked N B W M I R 624,
which marking I change to A P N B W M I R 624, on
S. face and B M F R on N. face.
- Thence I run,
N. 77° 10' W.,
Var. 15° E.
- Along ridge.
- 74.30 A pine tree on line, 24 ins. diam., marked N B W M I R
625, which marking I change to A P N B W M I R 625 on
S. face and B M F R on N face.
- Thence I run,
N. 45° 30' W.,
Var. 15° E.
- 79.64 A pine tree, 12 ins. diam., marked N B W M I R 626,
which marking I change to A P N B W M I R 626, on
S. face and B M F R on N. face.
- Thence I run,
N. 57° 45' W.,
Var. 15° E.
- 82.24 The 80th mile cor., which is a granite stone, 12 x 5 x 5
ins. above ground, with mound of stone alongside
and marked N B W M I R 80 M. I obliterate marking
and mound of stone and remark
80 M on S.E. face,
N B W M I R on S.W. face,
B M F R on N. E. face, and raise a mound of stone
3 ft. base, 2 ft. high, S. E. of cor., from which
A pine tree, 12 ins. diam., brs. S. 4° E., 21 lks.
dist., marked N B W M I R 80 M B T,
A dead pine tree, 24 ins. diam., brs. N 86½° W.,
27 lks. dist., marked N B W M I R 80 M B T,
A pine tree, 24 ins. diam., brs. N. 10° W., 46
lks. dist., marked N B W M I R 80 M B T,
A pine tree, 8 ins. diam., brs. S. 84½° E., 24
lks. dist., marked N B W M I R 80 M B T.
- Land, high rolling mesa.
- Soil, stony; 2nd and 3rd rate.
- Timber, heavy pine and oak. Heavily timbered land, exc.
difficult to survey, 82.24 chs.
- 000---
- Thence I run, continuing measurement from 80th mile cor.
N. 68° 45' W.,
Var. 15° E.
- 3.80 A pine tree, 12 ins. diam., marked N B W M I R 627, which
I change to A P N B W M I R 627, on S. face and B M
F R on N. face.
- Thence I run,
S. 75° W.,
Var. 15° E.
- 7.40 A dead and fallen tree, where I set a stake 4 x 4 ins. x
5 ft., marked A P N B W M I R 628, on S. face, and
B M F R on N. Face.
- A pine tree, 10 ins. diam., brs. N. 40° W., 54
lks. dist., marked A P 628 B T,
A pine tree, 8 ins. diam., brs. S. 25° W., 38
lks. dist., marked A P 628 B T.
- Thence I run,
S. 74° W.,
Var. 15° E.
- 12.80 A pine tree on line, marked W M I R 129, which I destroy.
- 14.31 A pine tree, 15 ins. diam., marked N B W M I R 629, which
marking I change to A P N B W M I R 629, on S. face,
and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- Thence I run,
N. 82° 6' W.,
Var. 15° E.
- 27.13 A pine tree, 14 ins. diam., marked N B W M I R 630,
which marking I change to A P N B W M I R 630, on
S. face and B. M. F. R. on N. face.
14 31
12.82
- Thence I run,
N: 59° 47' W.,
Var. 15° E.
- 30.10 A pine tree, 18 ins. diam., marked N B W M I R 631,
which marking I change to A P N B W M I R 631, on
S. face and B M F R on N. face.
2.97
- Thence I run,
N. 50° 53' W.,
Var. 15° E.
- 36.70 A tree on line, marked W M I R 128, which I destroy.
41.00 The 80½ mile cor., which is a sandstone, 10 x 8 x 6 ins.
above ground, marked N B W M I R 80½ M. I obliterate
marking and remark
80½ M on S. E. face,
N B W M I R on S.W. face and B M F R on N. E. face,
from which
10.90
- A pine tree, 12 ins. diam., brs. N. 61° 45' E.,
18 lks. dist., marked N B W M I R 80½ M B T,
A pine tree, 15 ins. diam., brs. S. 24° E., 18
lks. dist., marked N B W M I R 80½ M B T,
A pine tree, 10 ins. diam., brs. N. 29½° E.,
15 lks. dist., marked N B W M I R 80½ M B T,
A pine tree, 15 ins. diam., brs. N. 84½° W.,
52 lks. dist., marked N B W M I R 80½ M B T.
- Thence I run,
N. 52° 10' W.,
Var. 15° E.
- 43.01 An oak tree, 6 ins. diam., marked N B W M I R 632, which
marking I change to A P N B W M I R 632, on SW. face
and B M F R on NE. face.
2.01
- Thence I run,
N. 11° 33' W.,
Var. 15° E.
- Along ridge.
- 47.49 A pine tree, 12 ins. diam., marked N B W M I R 633,
which marking I change to A P N B W M I R 633, on
S. face and B M F R on N. face.
4.48
- Thence I run,
N. 85° 38' W.,
Var. 15° E.
- 58.11 A pine tree, 18 ins. diam., marked W M I R 127 N B 634,
which marking I obliterate and remark A P N B W M
I R 634, on S. face and B M F R on N. face.
10.62
- Thence I run,
N. 58° 38' W.,
Var. 15° E.
- 68.63 A pine tree, 15 ins. diam., marked N B W M I R 635,
which marking I change to A P N B W M I R 635, on
S. face and B M F R on N. face.
10.52
- Thence I run,
N. 89° 28' W.,
Var. 15° E.
- 75.67 A pine tree, 8 ins. diam., marked N B W M I R 636,
which marking I change to A P N B W M I R 636 on
S. face and B M F R on N. face.
7.04
- From this angle point a sandstone, 6 x 6 x 4 ins. above
ground, marked C C on N. and I R on S. faces, brs.
S. 89° 10' E., 1.31 chs. dist., from which
An oak, 6 ins. diam., brs. N. 47½° W., 74 lks.
dist., marked T 10 N R 19 E S 28 B T,
An oak, 6 ins. diam., brs. N. 18° E., 76 lks.
dist., marked T 10 N R 19 E S 27 B T.

chains

Thence I run,
S. 69° W.,
Var. 15° E.
79.72 An oak tree, 12 ins. diam., marked N B W M I R 637, which
marking I change to A P N B W M I R 637, on S. face
and B M F R on N. face.

Thence I run,
S. 40° 25' W.,
Var. 15° E.
82.87 The 81st mile cor., which is a sandstone, 6 x 4 x 4 ins.
above ground, marked N B W M I R 81 M. I obliterate
marking and remark
81 M on N. E. face,
N B W M I R on S. E. face, and B M F R on N. W. face,
from which

A pine tree, 30 ins. diam., brs. S. 14½° W., 57
lks. dist., marked N B W M I R 81 M B T,
This tree is also marked W M I R 126 81 M, which
marking I destroy.

An oak tree, 12 ins. diam., brs. S. 54° W., 52
lks. dist., marked N B W M I R 81 M B T,
An oak tree, 14 ins. diam., brs. N. 61½° E., 58
lks. dist., marked N B W M I R 81 M B T,
A pine tree, 10 ins. diam., brs. S. 10° E., 63
lks. dist., marked N B W M I R 81 M B T.

Land, high rolling mesa.
Soil, stony; 2nd and 3rd rate.
Timber, heavy pine and oak. Heavily timbered land, exc.
difficult to survey, 82.87 chs.
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Thence I run, continuing measurement from 81st mile cor.
S. 39° 19' W.,
Var. 15° E.

9.46 An oak, 12 ins. diam., marked N B W M I R 638, which
marking I change to A P N B W M I R 638, on S. face
and B M F R on N.W. face.

Thence I run,
S. 28° 19' W.,
Var. 15° E.

18.23 A juniper tree, 18 ins. diam., marked N B W M I R 639,
which marking I change to A P N B W M I R 639, on S. E.
face, and B M F R on N.W. face.

Thence I run, continuous measurement,
S. 50° 07' W.,
Var. 15° E.

24.15 A Juniper tree, 15 ins. diam., marked N B W M I R 640,
which marking I change to A P N B W M I R 640, on
S. face and B M F R on N. face.

Thence I run, continuous measurement,
S. 74° 59' W.,
Var. 15° E.

29.74 A pine tree, 8 ins., diam., which I mark A P N B W M I R
641, on S. face, and B M F R on N. face.

Thence I run, continuous measurement,
S. 89° 41' W.,
Var. 15° E.

41.00 The 81½ mile cor., which is a sandstone, 8 x 6 x 4 ft.,
above ground, marked N B W M I R 81½ M. I obliterate
this marking and remark
81½ M. on E. face, and B M F R on N. face.

N B W M I R on S. face,
~~B M F R on N. face~~, and raise mound of stone, 3 ft.
base, 2 ft. high, E. of cor., from which

A pine tree, 12 ins. diam., brs. N. 38° 45' W.,
69 lks. dist. marked N B W M I R 81½ M B T,

A pine tree, 20 ins. diam., brs. S. 56° W., 69
lks. dist., marked N B W M I R 81½ M B T,

An oak tree, 10 ins. diam., brs. N. 9° 45' E.
45 lks. dist., marked N B W M I R 81½ M B T,

Chains

An oak tree, 8 ins. diam., brs. N. $46\frac{1}{2}^{\circ}$ E., 13
lks., dist., marked N B W M I R $81\frac{1}{2}$ M B T.

October 8: At noon, l.m.t., I set off $5^{\circ}44-\frac{1}{2}'$ S. on the decl. arc and observe the sun on the meridian; the resulting lat. is $34^{\circ}14'$ N.

Thence I run,
S. $88^{\circ}35'$ W.,
Var. 15° E.

42.72 An oak tree, 15 ins. diam., marked N B W M I R 642,
which marking I change to A P N B W M I R 642, on
S. face and B M F R on N. face.

Thence I run, continuous measurement,
S. $54^{\circ}35'$ W.,
Var. 15° E.

44.42 A tree, marked W M I R 124, which I destroy.

59.50 A pine tree, 14 ins. diam., marked N B W M I R 643, which
marking I change to A P N B W M I R 643, on S. face,
and B M F R on N. face.

Thence I run, continuous measurement,
S. $89^{\circ}15'$ W.,
Var. 15° E.

63.11 A pine tree, 12 ins. diam., marked N B W M I R 644, which
marking I change to A P N B W M I R 644, on S. face
and B M F R on N. face.

Thence I run, continuous measurement,
S. $76^{\circ}15'$ W.,
Var. 15° E.

67.38 A fir tree, 24 ins. diam., marked W M I R N B 645, which
marking I destroy and remark A P N B W M I R 645, on
S. face and B M F R on N. face.

Thence I run, continuous measurement,
N. $84^{\circ}12'$ W.,
Var. 15° E.

70.93 A pine tree, 12 ins. diam., marked N B W M I R 646,
which marking I change to A P N B W M I R 646, on
S. face and B M F R on N. face.

Thence I run, continuous measurement,
N. $57^{\circ}45'$ W.,
Var. 15° E.

77.42 An oak tree, 8 ins. diam., marked N B W M I R 647, which
marking I change to A P N B W M I R 647, on S. face,
and B M F R on N. face.

Thence I run, continuous measurement,
N. $45^{\circ}10'$ W.

82.22 The 82nd mile cor., which is a sandstone, 6 x 6 x 4 ins.
above ground, with mound of stone alongside, and
marked N B W M I R 82 M. I obliterate markings and
mound of stone and remark

82 M A P, 648, on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, SE. of cor., on line,
An oak tree, 10 ins. diam., brs. S. 81° W., 43
lks. dist., marked N B W M I R 82 M B T,
An oak tree, 15 ins. diam., brs. S. $11^{\circ}45'$ W.,
72 lks. dist., marked N B W M I R 82 M B T,
An oak tree, 12 ins. diam., brs. S. 22° E., 58
lks. dist., marked N B W M I R 82 M B T.

Land, high rolling mesa.

Soil, stony; 3rd rate.

Timber, heavy pine, oak and fir. Heavily timbered land
exc. difficult to survey, 82.22 chs.

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Thence I run,
N. $65^{\circ}07'$ W.,
Var. 15° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- 126
- 7.32 A pine tree, 30 ins. diam., marked W M I R 122 N B 649, which marking I obliterate and remark A P N B W M I R 649, on S. face, and B M F R on N. face.
From this cor. a sandstone, 12 x 8 x 6 ins. above ground, brs. S. 59° 45' E.; 84 lks. dist., marked C C on N. and I R on S. faces,
A juniper tree, 24 ins. diam., brs. N. 31½° E.
74 lks. dist., marked T 10 N R 19 E S 28 B T,
A pine tree, 15 ins. diam., brs. N. 22° W., 145 lks. dist., marked T 10 N R 19 E S 29 B T.
Thence I run, continuous measurement,
N. 43° 21' W.,
Var. 15° E.
- 11 29
18.61 A pine tree, 15 ins. diam., marked N B W M I R 650, which I remark A P N B W M I R 650, on S. face, and B M F R on N. face.
Thence I run, continuing measurement from the 82nd mile point,
N. 71° 52' W.,
Var. 15° E.
- 11 14
29.75 A dead and fallen pine tree, marked W M I R 121 N B 651, which I destroy and set a stake 4 x 4 ins. 40 ins. in the ground, marked A P N B W M I R 651, on S. face and B M F R on N. face.
An oak, 18 ins. diam., brs. S. 38½° E., 34 lks. dist., marked A P 651 B T,
A pine tree, 14 ins. diam., brs. S. 11½° E., 56 lks. dist., marked A P 651 B T.
Thence I run, continuing measurement from 82 mile cor.
N. 57° 21' W.,
Var. 15° E.
- 11 68
41.43 Point for the 82½ mile cor., which is a sandstone, 12 x 12 x 12 ins. above ground, with mound of stone alongside and marked N B W M I R 82½ M. I obliterate markings and mound of stone and remark 82½ M A P 652 on S. E. face,
N B W M I R on S. W. face,
B M F R on NE face, from which
A pine tree, 10 ins. diam., brs. N. 69½° W., 42 lks. dist., marked N B W M I R 82½ M B T,
A pine tree, 12 ins. diam., brs. S. 76½° W., 62 lks. dist., marked N B W M I R 82½ M B T,
A pine tree, 12 ins. diam., brs. N. 50° E., 38 lks. dist., marked N B W M I R 82½ M B T,
An oak tree, 10 ins. diam., brs. N. 19½° E., 38 lks. dist., marked N B W M I R 82½ M B T.
Thence I run, continuing measurement from 82 mile cor.,
N. 70° 34' W.,
Var. 15° E.
- 6 30
47.73 A pine tree, 18 ins. diam., marked N B W M I R 653, which marking I change to A P N B W M I R 653, on S. face and B M F R on N. face.
Thence I run, continuing measurement from 82 mile cor.
N. 50° 38' W.,
Var. 15° E.,
- 9 13
56.86 A pine tree, 24 ins. diam., marked N B W M I R 654, which marking I change to A P N B W M I R 654, on SW. face and B M F R on N. E. face.
Thence I run, continuing measurement from 82 mile cor.
N. 8° 40' W.,
Var. 15° E.
- 5 79
62.65 An oak tree, 15 ins. diam., marked N B W M I R 655, which marking I change to A P N B W M I R 655, on W. face and B M F R on E. face.
Thence I run, continuing measurement from 82 mile cor.
N. 24° 43' W.,
Var. 15° E.
- 11 58
74.23 A pine tree, 18 ins. diam., marked W M I R 119 N B 656, which marking I obliterate and remark A P N B W M I R 656 on S. face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- From this point a sandstone, 6 x 6 x 4 ins., above ground, brs. S. 22° E., 4.09 chs. dist., marked C.C. on E. and I R on W. faces, from which
 A pine tree, 6 ins. diam., brs. S. 83° E., 25 lks. dist., marked T 10 N R 19 E S 19 B T,
 A pine tree, 12 ins. diam., brs. N. 39° E., 33 lks. dist., marked T 10 N R 19 E S 20 B T.
 Thence I run, continuing measurement from 82 mile cor.
 N. 37° 55' W.,
 Var. 15° E.,
- 82.64 Point for the 83 mile cor., which is a sandstone 12 x 12 x 10 ins., above ground, with mound of stone alongside and marked N B W M I R 83 M. I obliterate markings and mound of stone and remark
 83 M A P 657 on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. W. of cor. on line.
 A pine tree, 24 ins. diam., brs. N. 81½° E., 47 lks. dist., marked N B W M I R 83 M B T,
 A pine tree, 12 ins. diam., brs. N. 6° 45' W., 68 lks., dist., marked N B W M I R 83 M B T,
 A pine tree, 15 ins. diam., brs. N. 17½° W., 71 lks. dist., marked N B W M I R 83 M B T,
 A pine tree, 8 ins., diam., brs. N. 58° W., 41 lks. dist., marked N B W M I R 83 M B T.
 Land, high rolling mesa.
 Soil, stony, 3rd rate.
 Timber, heavy pine, oak and fir. Heavily timbered land, exc. difficult to survey 82.64 chs.
 ---oOo---
- Thence I run,
 N. 43° 15' W.,
 Var. 15° E.
- 6.16 A dead and fallen tree, with traces of markings which I destroy.
 Set a sandstone, 18 x 6 x 6 ins., 12 ins. above ground, marked A P N B W M I R 658, on SW face and B M F R on NE face.
 An oak tree, 10 ins. diam., brs. S. 67° E., 17 lks. dist., marked AP 658 B T,
 A pine tree, 10 ins. diam., brs. N. 67° W., 88 lks. dist., marked A P 658 B T.
 Thence I run, continuing measurement from 83 mile cor.
 N. 12° 40' W.,
 Var. 15° E.
- 12.58 A juniper tree, 20 ins. diam., marked N B W M I R 659, which marking I change to A P N B W M I R 659, on W. face and B M F R on E. face.
 Thence I run, continuing measurement from the 83 mile cor.
 N. 2° 08' W.,
 Var. 15° E.
- 25.72 A pine tree, 14 ins. diam., marked N B W M I R 660, which I change to APNBWMIR 660, on W. face and B M F R on E. face
 Thence I run, continuing measurement from 83 mile cor.
 N. 21° 53' W.,
 Var. 15° E.
- 35.43 An oak tree, 10 ins. diam., marked N B W M I R 661, which marking I change to A P N B W M I R 661, on SW face and B M F R on NE face.
 Thence I run, continuing measurement from 83 mile cor.
 N. 34° 12' W.,
 Var. 15° E.
- 37.63 A tree, marked W M I R 117, which I destroy.
- 40.86 Point for the 83½ mile cor., which is a sandstone 14 x 10 x 3 ins., above ground, with mound of stone alongside and marked N B W M I R 83½ M. I obliterate marking and mound of stone and remark

Chains

- 83½ M on S. E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone,
 3 ft. base, 2 ft. high, S. W. of cor. on line,
 A pine tree, 15 ins. diam., brs. S. 86° E., 100
 lks. dist., marked N B W M I R 83½ M B T.
 A pine tree, 15 ins. diam., brs. N. 52° E., 91
 lks. dist., marked N B W M I R 83½ M B T,
 A pine tree, 6 ins. diam., brs. S. 65½° W., 36
 lks. dist., marked N B W M I R 83½ M B T
 A pine tree, 12 ins. diam., brs. S. 34° 45' W.,
 38 lks. dist., marked N B W M I R 83½ M B T.
 Thence I run, continuing measurement from the 83 mile
 cor. N. 37° 17' W.,
 Var. 15° E.
- 55.16 A pine tree, 15 ins. diam., marked N B W M I R 662, which
 I change to A P N B W M I R 662 on S. face, and
 B M F R on N. face.
 From this cor. a sandstone, 12 x 10 x 6 ins., above ground,
 brs. East, 6.05 chs. dist., marked C C on N. and
 I R on S. faces, from which
 A pine tree, 10 ins. diam., brs. N. 8° E., 98
 lks. dist., marked T 10 N R 19 E S 18 B T,
 An oak stump, brs. N. 27° W., 130 lks. dist.,
 marked T 10 N R 19 E S 20 B T.
 Thence I run, continuing measurement from 83 mile cor.
 N. 74° 19' W.,
 Var. 15° E.
- 69.37 Head of canyon, course S. W.
 A pine tree, 14 ins. diam., marked N B W M I R 663,
 which marking I change to A P N B W M I R 663, on
 S. face and B M F R on N. face.
 Thence I run, continuing measurement from 83 mile cor.
 N. 68° 04' W.,
 Var. 15° E.
- 81.65 Point for the 84 mile cor., which is a sandstone, 14 x
 12 x 12 ins., above ground with mound of stone
 alongside and marked N B W M I R 84 M. I obliterate
 marking and mound of stone and remark
 84 M on S.E. face,
 N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone
 3 ft. base, 2 ft. high, SE. of cor. on line,
 A pine tree, 12 ins. diam., brs. N. 7½° W., 45
 lks. dist., marked N B W M I R 84 M B T,
 A pine tree, 12 ins. diam., brs. N. 3° E., 43
 lks. dist., marked N B W M I R 84 M B T,
 An oak tree, 12 ins. diam., brs. N. 57° E., 52
 lks. dist., marked N B W M I R 84 M B T,
 A pine tree, 30 ins. diam., brs. N. 74½° W.,
 97 lks. dist., marked W M I R 115, which marking
 I destroy and remark N B W M I R 84 M B T.
 A mound of stone brs. N. 58½° W., 62 lks. dist.
 Land, high rolling mesa.
 Soil, stony; 3rd rate.
 Timber, heavy pine, oak and juniper. Heavily timbered
 land, exc. difficult to survey, 81.65 chs.
 ---oOo---
- Thence I run,
 N. 74° 15' W.,
 Var. 15° E.
- .97 A pine tree, 24 ins. diam., marked W M I R 115 N B 664
 which marking I change to A P N B W M I R 664, on
 S. face and B M F R on N. face.
 Thence I run, continuing measurement from 84 mile cor.
 N. 49° 40' W.,
 Var. 15° E.
- 7.76 A pine tree, 18 ins. diam., which I mark A P N B W M I R
 665, on S. face and B M F R on N. face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- Thence I run, continuous measurement from 84 mile cor.
N. $56^{\circ} 46'$ W.,
Var. 15° E.
- 18.67 A pine tree, 18 ins. diam., marked N B W M I R 666,
7.76 which I change to A P N B W M I R 666, on S. face
10.9 and B M F R on N. face.
From this cor. a sandstone, 14 x 12 x 12 ins. above
ground, brs. N. $71\frac{1}{4}^{\circ}$ W., 0.14 chs. dist., marked C C
on E. and I R on W. faces, from which
A pine tree, 4 ins. diam., brs. N. $25\frac{1}{2}^{\circ}$ E., 45 lks.
dist., marked T 10 N R 19 E S 18 C C B T,
A pine tree, 4 ins. diam., brs. S. 84° E., 43 lks.
dist., marked T 10 N R 19 E S 19 C C B T.
- Thence I run, continuing measurement from 84 mile cor.
N. $87^{\circ} 33'$ W.,
Var. 15° E.
- 24.29 A pine tree, 24 ins. diam., marked W M I R 114 N B 667,
5.62 which marking I obliterate and remark A P N B W M
I R 667, on S. face, and B M F R on N. face.
A pine tree, 24 ins. diam., brs. N. $76^{\circ} 45'$ W.,
87 lks. dist., marked $\frac{1}{4}$ S B T,
A pine tree, 30 ins. diam., brs. N. $17\frac{1}{2}^{\circ}$ W.,
116 lks. dist., marked $\frac{1}{4}$ S B T.
These are old markings; no signs of cor. found.
- Thence I run, continuing measurement from the 84 mile
cor.
N. $88^{\circ} 58'$ W.,
Var. 15° E.
- 33.93 A pine tree, 18 ins. diam., marked N B W M I R 668,
9.64 which I change to A P N B W M I R 668, on S. face
and B M F R on N. face.
- Thence I run, continuing measurement from 84 mile cor.
S. $63^{\circ} 42'$ W.,
Var. 15° E.
- 41.10 Point for the $84\frac{1}{2}$ mile cor., which is a sandstone,
7.17 12 x 12 x 6 ins., above ground, with mound of stone
alongside and marked N B W M I R $84\frac{1}{2}$ M. I obliterate
markings and mound of stone and remark
 $84\frac{1}{2}$ M on N. E. face, A P 669,
N B W M I R on S. E. face, and
B M F R on N. W. face, and raise a mound of stone,
3 ft. base, 2 ft. high, N.E. of cor., from which
A pine tree, 14 ins. diam., brs. S. 33° E., 14
lks. dist., marked N B W M I R $84\frac{1}{2}$ M B T, A P
669,
An oak tree, 10 ins. diam., brs. N. 21° W., 9
lks. dist., marked N B W M I R $84\frac{1}{2}$ M B T,
A P 669.
A juniper tree, 10 ins. diam., brs. S. 82° W.,
39 lks. dist., marked N B W M I R $84\frac{1}{2}$ M B T,
A P 669,
A juniper tree, 10 ins. diam., brs. S. 64° W.,
61 lks. dist., marked N B W M I R $84\frac{1}{2}$ M B T
A P 669.
- October 8, 1906.
-
- October 9: At 7 h. 30 m., a.m., l.m.t., I set off 6°
 $01\frac{1}{2}'$ S. on the decl. arc, and $34^{\circ} 15'$ N. on the lat.
arc, and determine a true meridian with the solar at the
 $84\frac{1}{2}$ mile cor.
- Thence I run, continuing measurement from the 84 mile
cor. N. $50^{\circ} 25'$ W.,
Var. 15° E.
- 48.13 A dead pine tree, marked N B W M I R 670, which marking
I change to A P N B W M I R 670, on SW. face, and
B M F R on NE face.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- A pine tree, 18 ins. diam., brs. N. $41\frac{1}{2}^{\circ}$ E., 65 lks. dist., marked A P 670 B T,
 A pine tree, 14 ins. diam., brs. N. $7\frac{1}{2}^{\circ}$ E., 73 lks. dist., marked A P 670 B T.
 Thence I run, ~~continuing measurement from 84 mile cor.~~
 N. $22^{\circ} 01'$ W.,
 Var. 15° E.
- 64.37 ⁴⁸⁻¹² A pine tree, 15 ins. diam., marked N B W M I R 671,
 which marking I change to A P N B W M I R 671, on S. face and B M F R on N. face.
 Thence I run, continuing measurement from 84th mile cor.
 N. $54^{\circ} 20'$ W.,
 Var. 15° E.
- 68.92 A tree marked W M I R 112, which I destroy.
 74.67 Trail brs. N.N.E. and S.S.W.
- 75.43 ¹¹⁻⁰⁶ A juniper tree, 24 ins. diam., 78 lks. dist., marked W M I R 672, which marking I change to A P N B W M I R 672, on S. face and B M F R on N. face.
 Thence I run, continuing measurement from 84th mile cor.
 N. 34° W.,
 Var. 15° E.
- 82.16 ⁶⁻⁷³ Point for 85th mile cor., which is a sandstone, 10 x 6 x 4 ins., above ground, with mound of stone alongside and marked N B W M I R 85 M. I obliterate markings and mound of stone and remark 85 M A P 673 on S. E. face, N B W M I R on S.W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high S.E. of cor. on line
 An oak tree, 12 ins. diam., brs. S. $29\frac{1}{2}^{\circ}$ W., 54 lks. dist., marked N B W M I R 85 M B T,
 A pine tree, 15 ins. diam., brs. S. $62\frac{1}{2}^{\circ}$ E., 19 lks. dist., marked N B W M I R 85 M B T,
 A pine tree, 24 ins. diam., brs. N. $12\frac{1}{2}^{\circ}$ W., 24 lks. dist., marked N B W M I R 85 M B T,
 A pine tree, 12 ins. diam., brs. N. $55\frac{1}{2}^{\circ}$ W., 14 lks. dist., marked N B W M I R 85 M B T.
 Land, high rolling meas.
 Soil, stony; 3rd rate.
 Timber, heavy pine, oak and juniper. Heavily timbered land exc. difficult to survey. 82.16 chs.
 ----oOo----
- Thence I run, N. 4° E.,
 Var. 15° E.
- 5.58 A pine tree, 12 ins. diam., marked W M I R 111 B T 674, which marking I obliterate and remark A P N B W M I R 674, on W. face and B M F R on E. face.
 Thence I run, continuous measurement from 85th mile cor.
 N. 24° E.,
 Var. 15° E.
- 9.56 ²⁹⁸ A pine tree, 12 ins. diam., marked N B W M I R 675, which marking I change to A P N B W M I R 675, on W. face and B M F R on E. face.
 Thence I run, continuous measurement from 85th mile cor.
 N. $37^{\circ} 05'$ E.,
 Var. 15° E.
- 24.97 ¹⁵⁴¹ A juniper tree, 24 ins. diam., marked N B W M I R 676 which I change to A P N B W M I R 676, on W. face and B M F R on E. face.
 Thence I run, continuing measurement from 85th mile cor.
 N. 5° E.,
 Var. 15° E.
- 29.64 ⁴⁶⁷ A pine tree, 24 ins. diam., marked W M I R 110 N B 677, which marking I obliterate and remark A P N B W M I R 677, on W. face and B M F R on E. face.
 Thence I run, continuing measurement from 85th mile cor.
 N. 25° W.,
 Var. 15° E.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains.

- 40.65 Point for 85 $\frac{1}{2}$ mile cor., which is a sandstone, 6 x 4 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R 85 $\frac{1}{2}$ M. I obliterate markings and mound of stone and remark 85 $\frac{1}{2}$ M. on S. face, N B W M I R on W. face and B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. of cor., on line,
A pine tree, 24 ins. diam., brs. S. 42 $\frac{1}{2}$ ° E., 16 lks. dist., marked N B W M I R 85 $\frac{1}{2}$ M B T,
A pine tree, 18 ins. diam., brs. S. 29° W., 68 lks. dist., marked N B W M I R 85 $\frac{1}{2}$ M B T,
A pine tree, 12 ins. diam., brs. N. 88 $\frac{1}{2}$ ° W., 55 lks. dist., marked N B W M I R 85 $\frac{1}{2}$ M B T,
A pine tree, 14 ins. diam., brs. N. 69° W., 73 lks. dist., marked N B W M I R 85 $\frac{1}{2}$ M B T.
Thence I run, continuing measurement from 85th mile cor. N. 19° 30' W.,
Var. 15° E.
- 46.62 A pine tree, 20 ins. diam., marked N B W M I R 678, which marking I change to A P N B W M I R 678, on W. face and B M F R on E. face.
Thence I run, N. 0° 13' W.,
Var. 15° E.
- 53.42 A tree marked W M I R 109, which I destroy.
59.02 A pine tree, 15 ins. diam., marked N B W M I R 679, which marking I change to A P N B W M I R 679, on W. face and B M F R on E. face.
From this cor. a granite stone, 12 x 10 x 8 ins., above ground, brs. S. 0° 18' E., 3.42 chs. dist., marked C C on E. and I R on W. faces, from which
A pine tree, 18 ins. diam., brs. S. 65° E., 69 lks. dist., marked T 10 N R 19 E S 18 B T,
A pine tree, dead and fallen, brs. N. 63° E., 62 lks. dist., marked T 10 N R 19 E S 7 B T.
Thence I run, continuing measurement from 85th mile cor. N. 20° E.,
Var. 15° E.
- 70.55 A pine tree, 15 ins. diam., marked N B W M I R 680, which marking I change to A P N B W M I R 680, on W. face and B M F R on E. face.
Thence I run, continuing measurement from 85th mile cor. N. 12° 32' E.,
Var. 15° E.
- 75.42 A pine tree, marked 108, partly destroyed by fire, where I set a sandstone, 18 x 6 x 6 ins., 12 ins. in the ground, marked A P N B W M I R 681, on W. face, & B M F R on E. face.
A juniper tree, 15 ins. diam., brs. N. 17 $\frac{1}{2}$ ° E., 37 lks. dist., marked A P 681 B T,
A pine tree, 12 ins. diam., brs. N. 72° W., 53 lks. dist., marked A P 681 B T.
Thence I run, continuing measurement from 85th mile cor. N. 5° E.,
Var. 15° E.
- 81.63 Point for the 86th mile cor., which is a sandstone, 15 x 8 x 6 ins. above ground, with mound of stone alongside and marked N B W M I R 86 M. I obliterate marking and mound of stone, and remark 86 M A P 682, on S. face, N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor. on line,
A pine tree, 24 ins. diam., brs. N. 29 $\frac{1}{2}$ ° W., 38 lks. dist., marked N B W M I R 86 M B T
A pine tree, 24 ins. diam., brs. N. 37° 45' E., 60 lks., dist., marked N B W M I R 86 M B T,

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- A pine tree, 24 ins. diam., brs. S. 22° W., 39 lks. dist., marked N B W M I R 86 M B T,
A juniper tree, 10 ins. diam., brs. N. 50½° E., 35 lks. dist., marked N B W M I R 86 M B T.
Land, high rolling mesa.
Soil, stony; 3rd rate.
Timber, heavy pine, oak and juniper. Heavily timbered land, exc. difficult to survey, 81.63 chs.
---oOe+---
- Thence I run,
N. 41° 40' W.,
Var. 15° E.
Ascend along ridge.
- 8.09 Tree partially destroyed by fire.
Mark a pine tree, 14 ins. diam., marked A P N B W M I R 683, on S.W. face, and B M F R on N.E. face.
Thence I run, continuing measurement from 86th mile cor.
N. 11° 28' W.,
Var. 15° E.
Ascend along ridge.
- 15.36 A pine tree, 24 ins. diam., marked N B W M I R 684, which markings I change to A P N B W M I R 684, on S.W. face and B M F R on N.E. face.
Thence I run, continuing measurement from 86th mile cor.
N. 26° 29' W.,
Var. 15° E.
- 16.56 A tree marked W M I R 107, which I destroy.
Ascend steep slope.
- 22.00 A dead and fallen pine tree, 6 ins. diam., marked N B W M I R 685, which I destroy.
Set a sandstone, 18 x 8 x 8 ins., 12 ins. in the ground, marked A P N B W M I R 685, on S.W. face, and B M F R on N.E. face.
A pine tree, 15 ins. diam., brs. South, 13 lks. dist., marked A P 685 B T.
A pine tree, 15 ins. diam., brs. S. 72° E., 19 lks. dist., marked A P 685 B T.
A sandstone, 12 x 8 x 6 ins., above ground, brs. from this cor. N. 59° 20' W., 1.90 chs. dist., marked C C on N. and I R on S. faces, from which
An oak tree, 6 ins. diam., brs. N. 27° E., 108 lks. dist., marked T 10 N R 19 E S 7 B T,
A pine tree, 8 ins. diam., brs. N. 3° W., 85 lks. dist., marked T 10 N R 18 E S 12 B T.
Thence I run, continuing measurement from 86th mile cor.
N. 59° 47' W.,
Var. 15° E.
Along top of ridge.
- 29.55 A dead pine tree, marked N B W M I R 686, which marking I change to A P N B W M I R 686, on S. face, and B M F R on N. face.
An oak tree, 8 ins. diam., brs. N. 78° W., 45 lks. dist., marked A P 686 B T,
A pine tree, 18 ins. diam., brs. N. 18° W., 40 lks. dist., marked A P 686 B T,
Thence I run, continuing measurement from 86th mile cor.
S. 85° 28' W.,
Var. 15° E.
Descending along ridge.
- 36.62 A pine tree, 24 ins. diam., marked N B W M I R 687, which marking I change to A P N B W M I R 687, on S. face and B M F R on N. face.
Thence I run, continuing measurement from 86th mile cor.
N. 68° 05' W.,
Var. 15° E.
- 41.26 The 86½ mile cor., which is a sandstone, 6 x 6 x 5 ins.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains

- above ground, marked N B W M I R 86½ M, with mound of stone alongside. I obliterate markings and mound of stone and remark 86½ M on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stones, 3 ft. base, 2 ft. high, S. W. of cor. on line,
A pine tree, 18 ins. diam., brs. S. 30° W., 28 lks. dist., marked N B W M I R 86½ M B T,
A pine tree, 24 ins. diam., brs. N. 88½° E., 71 lks. dist., marked N B W M I R 86½ M B T.
A pine tree, 24 ins. diam., brs. S. 82½° W., 43 lks. dist., marked N B W M I R 86½ M B T,
A pine tree, 30 ins. diam., brs. N. 5° W., 74 lks. dist., marked N B W M I R 86½ M B T.
- Gap in divide of canyons, course N. and S.
Thence I run, continuing measurement from 86th mile cor.
N. 74° 47' W.,
Var. 15° E.
- Ascend ridge.
- 43.86 A tree marked W M I R 106, which I destroy.
- 48.62 A dead pine tree, marked N B W M I R 688, which marking I change to A P N B W M I R 688, on S. face, and B M F R on N. face.
A juniper tree, 12 ins. diam., brs. S. 7° W., 22 lks. dist., marked A P 688 B T,
A pine tree, 24 ins. diam., brs. S. 69° W., 14 lks. dist., marked A P 688 B T
- Thence I run, continuing measurement from 86th mile cor.
N. 60° W.,
Var. 15° E.
- Ascend along ridge.
- 54.38 A pine tree, 14 ins. diam., marked N B W M I R 689, which marking I change to A. P N B W M I R 689, on S. face and B M F R on N. face.
Thence I run, continuing measurement from 86th mile cor.
N. 82° 15' W.,
- Along ridge.
- 59.01 A pine tree, 24 ins. diam., marked W M I R 105 N B 690, which markings I obliterate and remark A P N B W M I R 690, on S. face, and B M F R on N. face.
Thence I run, continuing measurement from the 86th mile cor.,
N. 23° 30' W.,
Var. 15° E.
- Descend.
- 64.35 A pine tree, 6 ins. diam., marked N B W M I R 691, which marking I change to A P N B W M I R 691, on S. face, and B M F R on N. face.
Gap in divide of canyons N. and S.
Thence I run, continuing measurement from 86th mile cor.
N. 48° 33' W.,
Var. 15° E.
- Ascending ridge.
- 70.72 A pine tree, 18 ins. diam., marked N B W M I R 692, which marking I change to A P N B W M I R 692, on S. face, and B M F R on N. face.
Thence I run, continuing measurement from 86th mile cor.
N. 69° 31' W.,
Var. 15° E.
- 77.98 A pine tree, 18 ins. diam., marked N B W M I R 693, which marking I change to A P N B W M I R 693, on S. face and B M F R on N. face.
Thence I run, continuing measurement from 86th mile cor.
S. 76° 18' W.,
Var. 15° E.
- 82.21 Point for the 87th mile cor., which is a quartz stone, 10 x 8 x 4 ins. above ground, with mound of stone alongside and marked N B W M I R 87 M. I obliterate

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markings and mound of stone and remark
 87 M A P 694, on E. face, and B M F R on N. face
 N B W M I R on S. face,
 B M F R on N. face and raise a mound of stone, 3 ft.
 base, 2 ft. high, E. of cor. from which
 A pine tree, 10 ins. diam., brs. N. $61\frac{1}{2}^{\circ}$ E.,
 21 lks. dist., marked N B W M I R 87 M B T,
 A pine tree, 10 ins. diam., brs. N. $61\frac{1}{2}^{\circ}$ W., 42
 lks. dist., marked N B W M I R 87 M B T,
 A pine tree, 12 ins. diam., brs. N. 85° W., 51 lks.
 dist., marked N B W M I R 87 M B T,
 A pine tree, 8 ins. diam., brs. South, 37 lks. dist.,
 marked N B W M I R 87 M B T.

Land, mountainous,
 Soil, stony; 3rd rate.
 Timber, heavy pine, oak, 82.21 chs.
 ----000----

Thence I run,
 S. $87^{\circ} 40'$ W.,
 Var. 15° E.

3.31 A pine tree, 24 ins. diam., marked W M I R 105 N B 695,
 which markings I obliterate and remark A P N B W M
 I R 695, on S. face, and B M F R on N. face.

Thence I run, continuing measurement from 87th mile cor.
 S. $72^{\circ} 51'$ W.,
 Var. 15° E.

Along North slope of ridge.

18.05 A pine tree, 12 ins. diam., marked N B W M I R 696,
 which marking I change to A P N B W M I R 696, on
 S. face and B M F R on N. face.

Thence I run, continuing measurement from 87th mile cor.
 N. $32^{\circ} 23'$ W.,
 Var. 15° E.

30.15 A pine tree, 12 ins. diam., marked N B W M I R 697, which
 I change to A P N B W M I R 697, on S. face, and
 B M F R on N. face.

Thence I run, continuing measurement from 87th mile cor.
 N. $58^{\circ} 33'$ W.,
 Var. 15° E.

Along ridge.

34.15 Low gap in divide, canyons N. and S.

36.44 A quartz stone, 18 x 10 x 8 ins., set in mound of stone,
 on line, marked I R on S. and C C on N. faces, from
 which

A pine tree, 8 ins. diam., brs. S. 80° E., 19 lks.
 dist., marked T 10 N R 18 E S 12 B T,
 A pine tree, 12 ins. diam., brs. N. 8° W., 93 lks.
 dist., marked T 10 N R 18 E S 11 B T.

41.18 Point for $87\frac{1}{2}$ mile cor., which is a quartz stone, 10 x
 8 x 4 ins. above ground, with mound of stone along-
 side and marked N B W M I R $87\frac{1}{2}$ M. I obliterate
 markings and mound of stone and remark $87\frac{1}{2}$ M on S.E.
 face,

N B W M I R on S. W. face,
 B M F R on N. E. face, and raise a mound of stone
 3 ft. base, 2 ft. high, SE. of cor. on line,

A pine tree, 14 ins. diam., brs. S. $74\frac{1}{2}^{\circ}$ E.,
 15 lks. dist., marked N B W M I R $87\frac{1}{2}$ M B T,
 A pine tree, 14 ins. diam., brs. N. $25\frac{1}{2}^{\circ}$ E., 28
 lks. dist., marked N B W M I R $87\frac{1}{2}$ M B T
 A pine tree, 12 ins. diam., brs. N. $24\frac{1}{2}^{\circ}$ W., 45 lks.
 dist., marked N B W M I R $87\frac{1}{2}$ M B T,
 A pine tree, 16 ins. diam., brs. N. $42\frac{1}{2}^{\circ}$ W., 33
 lks. dist., marked N B W M I R $87\frac{1}{2}$ M B T.

Thence I run, continuing measurement from 87th mile cor.
 N. $58^{\circ} 45'$ W.,
 Var. 15° E.

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- 44.18 A dead pine tree, 15 ins. diam., marked N B W M I R 698, which marking I change to A P N B W M I R 698, on S W. face and B M F R on N. face.
 A pine tree, 12 ins. diam., brs. S. $20\frac{1}{2}^{\circ}$ W., 41 lks. dist., marked A P 698 B T,
 A pine tree, 14 ins. diam., brs. N. 62° W., 39 lks. dist., marked A P 698 B T.
 From this angle point, a sandstone, 12 x 10 x 6 ins., above ground, set in a mound of stone, brs. S. $49^{\circ} 20'$ E., 0.55 chs. dist., marked C.C on W. and I R on E. face and B M F R on N. face, from which
 A pine tree, 8 ins. diam., brs. N. 70° E., marked T 10 N R 18 E S 2 B T,
 Thence I run, continuing measurement from 87th mile cor. N. 1° E.,
 Var. 15° E.
- 45.78 A tree marked W M I R 102, which I destroy.
- 54.64 A pine tree, 18 ins. diam., marked N B W M I R 699, which marking I change to A P N B W M I R 699, on S W. face and B M F R on N. face.
 Thence I run, continuing measurement from 87th mile cor. N. $39^{\circ} 51'$ W.,
 Var. 15° E.
 Descending along ridge.
- 60.64 Gap in divide, canyons course E. and W.
- 64.35 A pine tree, 12 ins. diam., marked N B W M I R 700, which marking I change to A P N B W M I R 700, on S. face and B M F R on N. face.
 Thence I run, continuing measurement from 87th mile cor. N. $76^{\circ} 12'$ W.,
 Var. 15° E.
- 68.74 A pine tree, 24 ins. diam., marked W M I R 101 N B 701, which markings I destroy and remark A P N B W M I R 701, on S. face and B M F R on N. face.
 Thence I run, continuing measurement from 87th mile cor. N. $88^{\circ} 30'$ W.,
 Var. 15° E.
- 82.76 Point for 88th mile cor., which is a quartz stone, 12 x 10 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R 88 M. I obliterate markings and mound of stone and remark
 88 M. on E. face,
 N B W M I R on S. face,
 B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high., E. of cor., on line,
 A pine tree, 8 ins. diam., brs. S. $5^{\circ} 45'$ W., 54 lks. dist., marked N B W M I R 88 M B T,
 A pine tree, 12 ins. diam., brs. S. $71\frac{1}{2}^{\circ}$ W., 46 lks. dist., marked N B W M I R 88 M B T,
 A pine tree, 12 ins. diam., brs. N. $78\frac{1}{2}^{\circ}$ W., 37 lks. dist., marked N B W M I R 88 M B T,
 A pine tree, 15 ins. diam., brs. N. $68\frac{1}{2}^{\circ}$ W., 38 lks. dist., marked N B W M I R 88 M B T.
 Land, mountainous.
 Soil, stony; 3rd rate.
 Timber, heavy pine, oak and juniper. Heavily timbered, land exc. difficult to survey 82.76 chs.
 ---oOo---
- Thence I run,
 S. $70^{\circ} 30'$ W.,
 Var. 15° E.
- 0.46 A pine tree, 12 ins. diam., marked N B W M I R 702, which marking I change to A P N B W M I R 702, on S. face and B M F R on N. face.
 Thence I run, continuing measurement from 88th mile cor. S. $83^{\circ} 36'$ W.,
 Var. 15° E.
- 7.02 A pine tree, 15 ins. diam., marked N B W M I R 703, which

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- marking I change to A P N B W M I R 703, on S. face and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor. S. 75° 27' W.,
Var. 15° E.
- 8.47 A tree marked W M I R 100, which I destroy.
- 13.59 A dead and fallen tree, marked N B W M I R 704, which marking I change to A P N B W M I R 704, on S. face and B M F R on N. face.
A pine tree, 12 ins. diam., brs. S. 50° E., 64 lks. dist., marked A P 704 B T,
A pine tree, 18 ins. diam., brs. S. 8° W., 49 lks. dist., marked A P 704 B T.
- Thence I run, continuing measurement from 88th mile cor. N. 86° 43' W.,
Var. 15° E.
- 21.62 A pine tree, 12 ins. diam., marked N B W M I R 705, which marking I change to A P N B W M I R 705, on S. face and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor. N. 68° 13' W.,
Var. 15° E.
- 31.62 A tree marked W M I R 99, which I destroy.
- 33.48 A pine tree, 18 ins. diam., marked N B W M I R 706, which marking I change to A P N B W M I R 706, on S. face and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor. N. 28° 42' W.,
Var. 15° E.
- 41.40 Point for 88-1/2 mile cor., which is a quartz stone, 6 x 6 x 12 ins., above ground, with mound of stone alongside and marked N B W M I R 88 1/2 M B T. I obliterate markings and mound of stone and remark 88 1/2 M A P 707, on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor. on line,
A pine tree, 10 ins. diam., brs. S. 1 1/2° E., 39 lks. dist., marked N B W M I R 88 1/2 M B T,
A pine tree, 18 ins. diam., brs. N. 68° E., 24 lks. dist., marked N B W M I R 88 1/2 M B T,
A pine tree, 18 ins. diam., brs. N. 45° E., 66 lks. dist., marked N B W M I R 88 1/2 M B T,
A pine tree, 6 ins. diam., brs. N. 83 1/2° W., 78 lks. dist., marked N B W M I R 88 1/2 M B T.
- Thence I run, continuing measurement from 88th mile cor. N. 16° 12' W.,
Var. 15° E.
- Along ridge; ascending.
- 52.50 A pine tree, 15 ins. diam., marked N B W M I R 708, which marking I change to A P N B W M I R 708, on S. face and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor. S. 81° 50' W.,
Var. 15° E.
- 55.50 A tree marked W M I R 98, which I destroy.
- 60.23 A pine tree, 14 ins. diam., marked N B W M I R 709, which marking I change to A P N B W M I R 709, on S. face, and B M F R on N. face.
- From this cor. a sandstone, 6 x 6 x 6 ins. above ground, brs. N. 41° 45' W., 5.12 chs. dist., marked C C on N., I R on S. faces, from which
A pine tree, 5 ins. diam., brs. N. 26 1/2° W., 70 lks. dist., marked T 10 N R 18 E S 3 B T,
A pine tree, 5 ins. diam., brs. N. 82° E., 117 lks. dist., marked T 10 N R 18 E S 2 B T.

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- Thence I run, continuing measurement from 88th mile cor.
N. $43^{\circ} 43'$ W.,
Var. 15° E.
- 68.09 A juniper tree, 24 ins. diam., marked N B W M I R 710,
60.23 which marking I change to A P N B W M I R 710, on
7.86 S. face and
B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor.
N. $75^{\circ} 52'$ W.,
Var. 15° E.
- Along ridge.
- 74.24 A pine tree, 8 ins. diam., marked N B W M I R 711, which
6.15 marking I change to A P N B W M I R 711, on S. face
and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor.
N. $44^{\circ} 13'$ W.,
Var. 15° E.
- 78.24 A tree marked W M I R 97, which I destroy..
- 81.71 A pine tree, 15 ins. diam., marked N B W M I R 712, which
7.47 marking I change to A P N B W M I R 712, on S. face,
and B M F R on N. face.
- Thence I run, continuing measurement from 88th mile cor.
N. 65° W.
- 82.81 Point for the 89th mile cor., which is a quartz stone,
1.10 12 x 6 x 4 ins., above ground, with mound of stone
alongside and marked N B W M I R 89 M. I obliterate
marking and mound of stone and remark
89 M A P 713, on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stone,
3 ft. base, 2 ft. high, S. E. of cor., on line,
A pine tree, 8 ins. diam., brs. N. 44° W., 18
lks. dist., marked N B W M I R 89 M B T,
A pine tree, 15 ins. diam., brs. N. $75\frac{1}{2}^{\circ}$ W., 60
lks. dist., marked N B W M I R 89 M B T
A pine tree, 20 ins. diam., brs. West, 61 lks.
dist., marked N B W M I R 89 M B T.
- Land, mountainous.
Soil, stony; 3rd rate.
Timber, heavy pine, oak and juniper. Heavily timbered
land, exc. difficult to survey, 82.81 chs.
---oOo---
- Thence I run,
S. $82^{\circ} 37'$ W., 8.42 chs.
Var. 15° E.
- Along ridge.
- Thence S. 18° W., 3.07 chs. dist., to a pine tree, 18
ins. diam., which I mark A P N B W M I R 714, on S.
face and
B M F R on N. face. No other trees found. True course,
S. $66^{\circ} 43'$ W. 10.16 chs.
- Thence I run,
S. $71^{\circ} 53'$ W.,
Var. 15° E.
- Ascending along ridge.
- 14.61 A pine tree, 18 ins. diam., marked W M I R 96 N B 715,
1.16 which marking I obliterate and remark A P N B W M
4.45 I R 715, on S. face, and B M F R on N. face.
- Thence I run, continuing measurement from 89th mile cor.,
N. 83° W.,
Var. 15° E.
- 19.25 A pine tree, 14 ins. diam., marked N B W M I R 716, which
4.64 marking I change to A P N B W M I R 716, on S. face
and B M F R on N. face.
- Thence I run, continuing measurement from 89th mile cor.,
N. $30^{\circ} 51'$ W.,
Var. 15° E.

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25.21 A pine tree, 20 ins. diam., marked N B W M I R 717, which marking I change to A P N B W M I R 717, on SW face and B M F R on N face.
Thence I run, continuing measurement from 89th mile cor. N. 1° 57' E.,
Var. 15° E.

32.96 A pine tree, 15 ins. diam., marked N B W M I R 718, which marking I change to A P N B W M I R 718, on W. face and B M F R on E. face.
Thence I run, continuing measurement from 89th mile cor., N. 39° 15' W.,
Var. 15° E.

37.21 A tree marked W M I R 95, which I destroy.
39.70 Point for the 89½ mile cor., which is a quartz stone, 6 x 6 x 5 ins., above ground, with mound of stone alongside and marked N B W M I R 89½ M. I obliterate markings and mound of stone and remark 89½ M A P 719 on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor. on line,
A juniper tree, 15 ins. diam., brs. S. 81° W., 25 lks. dist., marked N. B W M I R 89½ M B T,
A pine tree, 24 ins. diam., brs. N. 35° W., 49 lks. dist., marked N B W M I R 89½ M B T
A pine tree, 8 ins. diam., brs. S. 26½° W., 33 lks. dist., marked N B W M I R 89½ M B T,
A pine tree, 18 ins. diam., brs. S. 80° E., 48 lks. dist., marked N B W M I R 89½ M B T.

Thence I run, ~~39° 25' W., Var. 15° E. Along ridge.~~
47.80 An oak tree, 10 ins. diam., marked NBWMIR 720, which marking I change to APNBWMIR 720, on W. face. Thence I run, N. 6 37' E., Var. 15° E. Ascending.

54.67 A pine tree, 12 ins. diam., marked N B W M I R 721, which marking I change to A P N B W M I R 721, on W. face and B M F R on E. face.
From this cor. a sandstone, brs. N. 35° 18' W., 81 lks. dist., (3 x 4 x 6 ins., above ground, set in mound of stone) marked C C on E. and I R on W. faces, from which
A pine tree, 8 ins. diam., brs. S. 83° E., 102 lks. dist., marked T 10 N R 18 E S 3 B T,
A pine tree, 6 ins. diam., brs. N. 25° E., 94 lks. dist., marked T 11 N R 18 E S 34 B T.
Thence I run, continuing measurement from 89th mile cor., N. 39° 15' W.,
Var. 15° E.

59.89 A pine tree, 18 ins. diam., marked W M I R 94 N B 722, which marking I obliterate and remark A P N B W M I R 722, on SW face, and B M F R on N E. face.
Thence I run, continuing measurement from 89th mile cor., N. 25° 20' W.,
Var. 15° E.

64.47 A pine tree, 14 ins. diam., marked N B W M I R 723, which marking I change to A P N B W M I R 723, on W. face and B M F R on E. face.
Thence I run, continuing measurement from 89th mile cor. N. 1° E.,
Var. 15° E.

Head of West Cottonwood Canyon on E. of line and head of Deer Spring Canyon on W. of line.

70.78 A pine tree, 12 ins. diam., marked N B W M I R 724, which marking I change to A P N B W M I R 724, on W. face and B M F R on E. face.
Thence I run, continuing measurement from 89th mile cor. N. 30° 56' W.,
Var. 15° E.
Along ridge.

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79.09 A pine tree, 6 ins. diam., marked N B W M I R 725, which marking I change to A P N B W M I R 725, on S^w face and B M F R on N^e face.
Thence I run, continuing measurement from 89th mile cor., N. 23° 55' W.,
Var. 15° E.
- 81.57 The point for the 90th mile cor., which is a sandstone, 6 x 6 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R 90 M. I obliterate markings and mound of stone, and remark 90 M on S. E. face,
N B W M I R on S. W. face,
B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor. on line.
A pine tree, 24 ins. diam., brs. S. 74° E., 37 lks. dist., marked N B W M I R 90 M B T.
A pine tree, 10 ins. diam., brs. N. 69° W., 11 lks. dist., marked N B W M I R 90 M B T.
A pine tree, 24 ins. diam., brs. S. 30° E., 40 lks. dist., marked N B W M I R 90 M B T.
A pine tree, 10 ins. diam., brs. S. 80° W., 17 lks. dist., marked N B W M I R 90 M B T.
Land, mountainous.
Soil, stony; 3rd rate.
Timber, heavy pine, oak and juniper. Mts. land, exc. difficult to survey, 81.57 chs.
----o0o---
- Thence I run, continuing measurement from 90th mile cor. N. 33° 40' W.,
Var. 15° E.
- 1.09 A pine tree, 24 ins. diam., marked W M I R 93 N B 726, which marking I obliterate and remark A P N B W M I R 726, on S^w face, and B M F R on N^e face.
Thence I run, continuing measurement from 90th mile cor. N. 42° 13' W.,
Var. 15° E.,
- 6.22 A pine tree, 12 ins. diam., marked N B W M I R 727, which marking I change to A P N B W M I R 727, on S^w face and B M F R on N^e face.
Thence I run, continuing measurement from 90th mile cor. N. 20° 58' W.,
Var. 15° E.
- Along ridge.
- 16.22 I note a heavily blazed line running down ridge to the N. E.
- 17.22 A dead pine tree, which I mark A P N B W M I R 728, on S. face and B M F R on N. face, from which
A juniper tree, 8 ins. diam., brs. South, 65 lks., dist., marked A P 728 B T,
A juniper tree, 8 ins. diam., brs. South, 65 lks., dist., marked A P 728 B T,
Thence I run, continuing measurement from 90th mile cor. S. 87° 41' W.,
Var. 15° E.
- 24.70 A juniper tree, 12 ins. diam., marked N B W M I R 729, which marking I change to A P N B W M I R 729, on S. face and B M F R on N. face.
Thence I run, continuing measurement from 90th mile cor. N. 75° 45' W.,
Var. 15° E.
- 26.66 A pine tree, 10 ins. diam., marked N B W M I R 730, which marking I change to A P N B W M I R 730, on S. face and B M F R on N. face.

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From this cor. a sandstone, 12 x 6 x 6 ins., above ground set in mound of stone, brs. S. 76° 30' W., 6.77 chs. dist., marked I R on S. and C C on N. faces, from which

A pine tree, 4 ins. diam., brs. N. 89° W., 111 lks. dist., marked T 11 N R 18 E S 33 B T,

A pine tree, 12 ins. diam., brs. N. 20° E., 57 lks. dist., marked T 11 N R 18 E S 34 B T.

Thence I run, continuing measurement from 90th mile cor. S. 76° 30' W.,
Var. 15° E.

Descending along ridge.

41.44

The point for the 90½ mile cor., which is a quartz stone, 6 x 6 x 6 ins., above ground, with mound of stone alongside and marked N B W M I R 90½ M.

I obliterate markings and mound of stone, and remark 90½ M A P 731 on E. face,

N B W M I R on S. face,

B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high, E. or cor. on line,

A pine tree, 15 ins. diam., brs. N. 79° E., 20 lks. dist., marked N B W M I R 90½ M B T

A pine tree, 24 ins. diam., brs. S. 24° W., 37 lks. dist., marked N B W M I R 90½ M B T,

A pine tree, 18 ins. diam., brs. S. 89½° W., 44 lks. dist., marked N B W M I R 90½ M B T,

A pine tree, 14 ins. diam., brs. N. 51° W., 49 lks. dist., marked N B W M I R 90½ M B T.

October 9, 1906.

a.m.

October 10^o At 7 h. 30 m., l.m.t., I set off 6° 24' S. on the decl. arc and 34° 18' N. on the lat. arc, and determine a true meridian with the solar at the 90½ mile cor.

Thence I run, continuing measurement from 90th mile cor. N. 61° W.,

Var. 15° E.

45.22

A pine tree, 24 ins. diam., marked W M I R 91 N B 732, which marking I obliterate and remark A P N B W M

I R 732 on S. face, and

B M F R on N. face.

Thence I run, continuing measurement from the 90th mile cor.,

N. 76° 10' W.,

Var. 15° E.

Along ridge.

52.46

A juniper tree, 24 ins. diam., marked N B W M I R 733, which marking I change to A P N B W M I R 733, on S. face, and

B M F R on N. face.

Thence I run, continuing measurement from 90th mile cor. S. 42° 22' W.,

Var. 15° E.

60.32

A pine tree, 18 ins. diam., marked N B W M I R 734, which markings I change to A P N B W M I R 734, on S. face and B M F R on N. face.

Thence I run, continuing measurement from 90th mile cor. N. 89° 10' W.,

Var. 15° E.

69.12

A dead and fallen pine tree, marked W M I R 90 N B 735, which I destroy.

Set a quartz stone, 18 x 6 x 8 ins., 12 ins. in mound of stone, marked A P N B W M I R 735, on S. face, and B M F R on N. face.

A pine tree, 15 ins. diam., brs. S. 47° E., 53 lks. dist., marked A P 735 B T,

A pine tree, 14 ins. diam., brs. N. 49° E., 23 lks. dist., marked A P 735 B T.

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- Thence I run, continuing measurement from 90th mile cor.
S. $38^{\circ} 20'$ W.,
Var. 15° E.
- 74.57 A pine tree, 24 ins. diam., marked N B W M I R 736, which marking I change to A P N B W M I R 736, on E. face and B M F R on W. face.
- Thence I run, continuing measurement from 90th mile cor.
S. $18^{\circ} 15'$ E.,
Var. 15° E.
- 83.51 Point for the 91st mile cor., which is a sandstone 12 x 8 x 8 ins., above ground, with mound of stone alongside and marked N B W M I R 91 M. I obliterate markings and mound of stone and remark 91 M A P 737 on N. face, N B W M I R on E. face, B M F R on W. face, and raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. on line,
A pine tree, 15 ins. diam., brs. S. 53° E., 51 lks. dist., marked N B W M I R 91 M B T,
A pine tree, 20 ins. diam., brs. S. $60\frac{1}{2}^{\circ}$ W., 56 lks. dist., marked N B W M I R 91 M B T,
A pine tree, 20 ins. diam., brs. N. 85° E., 45 lks. dist., marked N B W M I R 91 M B T.
An oak tree, 10 ins. diam., brs. N. 19° E., 27 lks. dist., marked N B W M I R 91 M B T.
- Land, mountainous.
Soil, stony; 3rd rate.
Timber, heavy pine, oak and juniper. Mts. land exc. difficult to survey 83.51 chs.
---oOooo---
- Thence I run, continuing measurement from 91st mile cor.
S. 49° W.,
Var. 15° E.
- A tree marked 738, destroyed by fire, on which I obliterate markings.
- 4.43 I blaze and mark a pine tree, 24 ins. diam., A P N B W M I R 738, on S. face, and B M F R on N. face.
- Thence I run, continuing measurement from 91st mile cor.
S. $51^{\circ} 30'$ W.,
Var. 15° E.
- 10.08 A tree on line, marked W M I R 89, which I destroy.
- 11.71 A dead pine tree, 30 ins. diam., marked N B W M I R 739, which I change to A P N B W M I R 739, on S. face and B M F R on N. face.
A pine tree, 10 ins. diam., brs. N. 50° W., 69 lks. dist., marked A P 739 B T.
A pine tree, 4 ins. diam., brs. N. 79° E., 33 lks. dist., marked A P 739 B T.
- Thence I run,
S. $52^{\circ} 50'$ W.,
Var. 15° E.
- 20.00 A pine tree, 8 ins. diam., marked N B W M I R 740, which marking I change to A P N B W M I R 740, on S. face and B M F R on N. face.
- Thence I run, continuing measurement from 91st mile cor.
S. $73^{\circ} 45'$ W.,
Var. 15° E.
- 29.27 A dead and fallen pine tree, marked N B W M I R 741, which I destroy.
Set a quartz stone, 18 x 6 x 6 ins., 12 ins. in mound of stone, marked A P N B W M I R 741, on S. face, and B M F R on N. face.
A pine tree, 18 ins. diam., brs. S. 28° E., 36 lks. dist., marked A P 741 B T,
A pine tree, 18 ins. diam., brs. S. 4° E., 42 lks. dist., marked A P 741 B T.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains	
	Thence I run, continuing measurement from 91st mile cor. S. 58° 25' W. Var. 15° E.
32.73 29.27	Find a dead and fallen tree marked W M I R 88 N B 742, which I destroy and Blaze and mark a pine tree, 18 ins. diam., A P N B W M I R 742, on S. face, and B M F R on N. face. A pile of stone brs. S. 22° W., 29 lks. dist.
	Thence I run, continuing measurement from 91st mile cor. S. 71° 35' W., Var. 15° E.
36.89	A pine tree, 18 ins. diam., marked N B W M I R 743, which marking I change to A P N B W M I R, 7 43, on S. face and B M F R on N. face.
	Thence I run, continuing measurement from 91st mile cor. N. 68° W., Var. 15° E.
41.54	point for the 91½ mile cor., which is a quartz stone, 12 x 6 x 4 ins., above ground, with mound of stone alongside and marked N B W M I R 91½ M. I obliterate marking and mound of stone and remark 91½ M A P 744, on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft. base, 2 ft. high, S. E. of cor., on line, A juniper tree, 24 ins. diam., brs. S. 76¼° E., 115 lks. dist., marked N B W M I R 91½ M B T, A pine tree, 24 ins. diam., brs. South, 79 lks. dist., marked N B W M I R 91½ M B T, A pine tree, 30 ins. diam., brs. N. 32° E., 62 lks. dist., marked N B W M I R 91½ M B T An oak tree, 6 ins. diam., brs. N. 31° W., 41 lks. dist., marked N B W M I R 91½ M B T.
	Thence I run, continuing measurement from 91st mile cor. N. 54° 03' W., Var. 15° E.
51.45	A dead and fallen pine tree, marked N B W M I R 745, which I destroy.
51.78	I blaze and mark a pine tree, 14 ins. diam., A P N B W M I R 745, on E. face, and B M F R on N. face.
	Thence I run, continuing measurement from 91st mile cor. N. 84° 35' W., Var. 15° E.
55.53	A tree marked W M I R 86, which I destroy.
61.64	A dead pine tree, marked N B W M I R 746, which marking I change to A P N B W M I R 746, on S. face, and B M F R on N. face. A pine tree, 18 ins. diam., brs. N. 5° W., 24 lks. dist., marked A P 746 B T, A pine tree, 18 ins. diam., brs. N. 48° E., 37 lks. dist., marked A P 746 B T.
	From this cor. a sandstone, 12 x 10 x 8 ins., above ground, brs. N. 65° 30' W., 4.14 chs. dist., marked C C on N. face and I R on S. face, from which A pine tree, 12 ins. diam., brs. N. 42° E., 71 lks. dist., marked T 11 N R 18 E S 33 B T, A pine tree, 6 ins. diam., brs. N. 46° W., 76 lks. dist., marked T 11 N R 18 E S 32 B T.
	Thence I run, continuing measurement from 91st mile cor. N. 67° 49' W., Var. 15° E.
72.27 1363	A pine tree, 12 ins. diam., marked N B W M I R 747, which I change to A P N B W M I R 747, on S. face, and B M F R on N. face.
	Thence I run, continuing measurement from 91st mile cor. N. 48° 15' W., Var. 15° E. Ascending along ridge.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains

- 51.45 A dead and fallen pine tree, marked N B W M I R 745, which I destroy.
- 51.78 I blaze and mark a pine tree, 14 ins. diam., A P N B W M I R 745 on S. face, B M F R on N. face, Thence I run, continuing measurement from 91st mile cor. N. 84° 35' W., Var. 15° E.
- 55.53 A tree marked W M I R 86, which I destroy.
- 61.64 A dead pine tree, marked N B W M I R 746, which I change to A P N B W M I R 746 on S. face, B M F R on N. face.
- 65.38 A pine tree, 18 ins. diam., brs. N. 59° W., 24 lks dist., marked A P 746 B T.
- 69.11 A pine tree, 18 ins. diam., brs. N. 48° E., 37 lks dist., marked A P 746 B T.
- From this cor. a sandstone, 12 x 10 x 8 ins., above ground brs. N. 65° 30' W., 4 lks dist., marked C C on N. face; and on S. face, from which
- 71.11 A pine tree, 12 ins. diam., brs. N. 32° E. 71 lks dist., marked T. 11 N R. 18 E S 33 B T.
- 71.11 A pine tree, 6 ins. diam., brs. N. 46° W., 27 lks dist., marked T. 11 N R. 18 E S 32 B T.
- Thence I run, continuing measurement from 91st mile cor. N. 67° 49' W., Var. 15° E.
- 72.27 A pine tree, 12 ins. diam., marked N B W M I R 747, which I change to A P N B W M I R 747, on the S. face, B M F R on N. face. Thence I run, continuing measurement from 91st mile cor. N. 48° 15' W., Var. 15° E.

- 77.97 A dead marked W M I R 85, which I destroy.
- 79.76 A dead and fallen tree, marked N B W M I R 748, which I destroy. Set a quartz stone, 18 x 6 x 6 ins. 12 ins. in the ground, marked A P N B W M I R 748, on S. face, B M F R on N. face.
- 81.11 A pine tree, 30 ins. diam., brs. S. 27 1/2° W., 36 lks dist., marked A P 748 B T.
- 81.11 A pine tree, 36 ins. diam., brs. S. 73 1/2° E., 54 lks dist., marked A P 748 B T.
- Thence I run, continuing measurement from 91st mile cor, N. 40° 45' W., Var. 15° E.
- 82.75 Point for the 92nd mile cor., which is a quartz stone, 16 x 16 x 4 ins., above ground with mound of stone along side and marked N B W M I R 92 M. I obliterate markings and mound of stone and remark 92 M A P 749 on S. E. face, N B W M I R on S. W. face, B M F R on N. E. face, and raise a mound of stone, 3 ft base, 2 ft high, S. E. of cor., on line.
- 82.75 A pine tree, 10 ins. diam., brs. S. 94° W., 40 lks dist., marked N B W M I R 92 M B T.
- 82.75 A pine tree, 14 ins. diam., brs. N. 81° W., 17 lks dist., marked N B W M I R 92 M B T.
- 82.75 A pine tree, 18 ins. diam., brs. N. 44 1/4° E. 34 lks dist., marked N B W M I R, 92 M B T.
- 82.75 A pine tree, 6 ins. diam., brs. S. 13 1/2° E., 30 lks dist., marked N B W M I R 92 M B T.
- Land, high, rolling mesq.
- Soil, stony, 3rd rate.
- Timber, heavy pine, oak and juniper.
- Thence I run, continuing measurement from 92nd mile cor. N. 50° W., Var. 15° E.

CHAIN SURVEY OF THE ...

- chains.
- 11.25 A pine tree, 22 ins. diam., marked N B W M I R 750, which marking I change to A P N B W M I R 750 on S. face, B M F R on N. face. Thence I run continuing measurement, N. 95° 39' W., 150 ft. Var. 15° E. Along ridge.
 - 16.25 A trail, ...
 - 20.61 A pine tree, 22 1/2 ins. diam., marked N B W M I R 751, which marking I change to A P N B W M I R 751 on S. face, B M F R on N. face. Thence I run, continuing measurement from 92nd mile cor. N. 88° 02' W., 150 ft. Var. 15° E.
 - 29.96 A pine tree, 24 1/2 ins. diam., marked N B W M I R 752, which marking I change to A P N B W M I R 752, on S. face, B M F R on N. face. Thence I run continuing measurement from 92nd mile cor. N. 88° 38' W., 150 ft. Var. 15° E.
 - 41.45 Point for the quartz stone, which is a quartz stone, 10 x 6 x 3 ins. T. above ground, marked N B W M I R 92 1/2 M, which is obliterated and remarked N A P 753 on NE. face, N B W M I R on SE. face, and around of stone, 3 ft. base, 2 1/2 ft. high. N. E. of corner from which, A pine, 10 ins. diam., br. N. 83° W., 13 lks dist., marked N B W M I R 92 1/2 M B T. A pine tree, 10 ins. diam., br. N. 57° E., 6 lks dist., marked N B W M I R 92 1/2 M B T. A juniper tree, 20 ins. diam., br. N. 15 1/2° E. 2 1/2 lks dist., marked N B W M I R 92 1/2 M B T. A pine tree, 20 ins. diam., br. N. 120° W., 120 lks dist., marked N B W M I R 92 1/2 M B T. Thence I run continuing measurement from 92nd mile cor. N. 87° 40' W., 150 ft. Var. 15° E.
 - 47.73 A pine tree, 24 ins. diam., marked N B W M I R 754, which marking I change to A P N B W M I R 754 on S. face, B M F R on N. face. Thence I run, continuing measurement from 92nd mile cor. S. 82° W., 150 ft. Var. 15° E.
 - 53.96 A pine tree, 24 ins. diam., marked N B W M I R 755, which marking I change to A P N B W M I R 755, on S. face, B M F R on N. face. Thence I run, continuing measurement from 92nd mile cor. S. 62° 55' W., 150 ft. Var. 15° E. Along ridge.
 - 60.46 A pine tree, 22 ins. diam., marked N B W M I R 756, which marking I change to A P N B W M I R 756, on S. face, B M F R on N. face. Thence I run, continuing measurement from 92nd mile cor. N. 72° W., 150 ft. Var. 15° E.
 - 64.46 Moved of stone and stone marked N B W M I R 83 which I destroy
 - 68.34 A pine tree, 18 ins. diam., marked N B W M I R 757, which marking I change to A P N B W M I R 757 on S. face, B M F R on N. face. From this cor., a quartz stone, 6 x 6 x 6 ins., above ground br. N. 30° W. 5 lks dist., marked C C on N. and I R on S. face, from which A pine tree, 25 ins. diam., br. N. 11 1/2° E. 81 lks. dist., marked T 11 N R 83 E S 31 B T. A pine tree, 10 ins. diam., br. N. 37° W. 64 lks dist., marked T 11 N R 83 E S 32 B T.

WOLLAWATTA RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

Chains.

Thence I run, continuing measurement from 92nd mile cor.
 N. 81° 17' W.,
 Var. 15° E.,
 77.69 A pine tree, 8 ins., diam., marked N B W M I R 758, which
 marking I change to A P N B W M I R 758 on S. face,
 B M F R on N. face.
 Thence I run, continuing measurement from 92nd mile cor.,
 N. 88° 30' W.,
 Var. 15° E.,
 80.34 An oak tree, 4 1/2 ins. diam., marked N B W M I R 759, which
 marking I change to A P N B W M I R 759 on S. face,
 B M F R on N. face.
 An oak tree, 8 ins. diam., brs. S. 76° W., 20 lks
 dist., marked A P 759 B T
 An oak tree 14 ins. diam., brs. N. 13° W, 53
 lks. dist., marked A P 759 B T
 Thence I run, continuing measurement from 92nd mile cor.
 N. 73° 45' W.,
 Var. 15° E.,
 82.61 Point for the 93rd mile cor., which is a sandstone, 10
 ft x 4 ins., above ground, marked N B W M I R 93 M.
 Obliterate markings and remark
 N B W M I R on S. face,
 B M F R on N. face, and raise a mound of stone, 3 ft
 high, 2 ft. high, N. face on line.
 A pine tree, 18 ins. diam., brs. S. 74° E.,
 77 lks. dist., marked N B W M I R 93 M B 1,
 A pine tree, 20 ins. diam., brs. N. 61° W.,
 67 lks. dist., marked N B W M I R 93 M B 1
 A pine tree, 12 ins. diam., brs. N. 32° W.,
 89 lks. dist., marked N B W M I R 93 M B 1.
 A pine tree, 12 ins. diam., brs. N. 30° W. 86 lks.
 dist., marked N B W M I R 93 M B 1.
 Sand, high rolling mesa.
 Soil, stony; 3rd rate.
 Timber, heavy pine and oak.
 ---00e---
 Thence I run,
 N. 77° W.,
 Var. 15° E.,
 85.10 A pine tree, 24 ins. diam., marked W M I R 82 N B 760,
 which marking I obliterate, and remark N B W M I R
 760 on S. face; B M F R on N. face.
 Thence I run, continuing measurement from 93rd mile cor.
 N. 38° 25' W.,
 Var. 15° E.,
 89.81 A pine tree, 12 ins. diam., marked N B W M I R 761, which
 marking I change to A P N B W M I R 761 on S. face,
 B M F R on N. face.
 Thence I run,
 N. 77° 25' W.,
 Var. 15° E.,
 19.15 A pine tree, 15 ins. diam., marked N B W M I R 762, which
 marking I change to A P N B W M I R 762 on S. face,
 B M F R on N. face.
 Thence I run, continuing measurement from 93rd mile cor.
 S. 82° 40' W.,
 Var. 15° E.,
 25.30 A dead pine tree, 24 ins. diam., marked N B W M I R 763,
 which marking I change to A P N B W M I R 763 on S.
 face; B M F R on N. face, from which,
 A juniper tree, 24 ins. diam., brs. S. 15° W.,
 46 lks. dist., marked A P 763 B T,
 A pine tree, 15 ins. diam., brs. N. 45° W., 32
 lks. dist., marked A P 763 B T.
 Thence I run,
 N. 80° 21' 30" W.,
 Var. 15° E.,

BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains.

- 26.50 A tree, marked W M I R, which I destroy.
- 32.22 A pine tree, 18 ins. diam., marked N B W M I R 764, which marking I change to A P N B W M I R 764 on S. face, B M F R on N. face. Thence I run, continuing measurement from 93rd mile cor. S. 43° 30' E., Var. 15° E.
- 40.90 Point for 93 1/2 mile cor., which is a quartz stone, 10 x 6 x 4 ins., above ground, with mound of stone along side and marked N B W M I R 93 1/2 M, obliterate marking and mound of stone, and remark 93 1/2 M on N. E. face, B M F R on N. E. face, and raise mound of stone, 3 ft base, 2 ft high, from which
 A pine tree 15 ins. diam., brs. N. 22° W., 49 lks. dist., marked N B W M I R 93 1/2 M B T.
 A pine tree, 24 ins. diam., brs. S. 11° E., 55 lks. dist., marked N B W M I R 93 1/2 M B T.
 A pine tree, 30 ins. diam., brs. S. 52° W., 53 lks. dist., marked N B W M I R 93 1/2 M B T.
 A pine tree, 12 ins. diam., brs. S. 42° W., 50 lks. dist., marked N B W M I R 93 1/2 M B T.
- October 20, at noon, limit, set off 43° 30' S., on the decl. arc and observe the sun on the meridian; the resulting lat. is 34° 38' N.
- Thence I run, continuing measurement from 93rd mile cor. S. 44° 18' W., Var. 15° E.
- 48.76 A pine tree 14 ins. diam., marked N B W M I R 765, which marking I change to A P N B W M I R 765 on S. face, B M F R on N. face. Thence I run, continuing measurement from 93rd mile cor. S. 82° 59' W., Var. 15° E.
- Along divide. --000--
- 50.26 A tree marked W M I R 80, which I destroy.
- 57.44 Find a dead pine tree, 8 ins. diam., marked N B W M I R 766, which I destroy and blaze and mark a pine tree, 3 ins. diam., standing close beside, A P N B W M I R 766 on S. face, B M F R on N. face. Thence I run, continuing measurement from 93rd mile cor. S. 88° 45' W., Var. 15° E.
- 70.53 A dead and fallen pine tree marked W M I R 79 N B 767, which marking I obliterate and mark a pine tree, 14 ins. diam., A P N B W M I R 767, on S. face, B M F R on N. face. A pile of stones brs. North 27 lks. dist. Thence I run, continuing measurement from 93rd mile cor. N. 84° 33' W., Var. 25° E.
- 82.24 Point for the 94th mile cor., which is a quartz stone, 12 x 6 x 4 ins., above ground, and marked N B W M I R 94 M, with mound of stone alongside. I obliterate marking and mound of stone and remark 94 M A P 768 on S. face, B M F R on N. face, and raise mound of stone 3 ft base, 2 ft high, from which
 A pine tree, 24 ins. diam., brs. S. 3° 45' W., 40 lks. dist., marked N B W M I R 94 M B T.
 A pine tree, 20 ins. diam., brs. S. 76 1/2° E., 34 lks. dist., marked N B W M I R 94 M B T.
 A pine tree, 24 ins. diam., brs. S. 30° W., 12 lks. dist., marked N B W M I R 94 M B T.
 A pine tree, 18 ins. diam., brs. S. 77 1/2° W., 37 lks. dist., marked N B W M I R 94 M B T.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains

From this cor., a sandstone 14 x 6 x 6 ins. above ground, brs. S. 85° E., 1.95 lbs. dist., marked I R on S. and C C on N. faces, from which

A pine tree, 6 ins. diam., brs. N. 54° W., 85 lks. dist., marked T 11 N R 17 S 36 B T,

A pine tree, 30 ins. diam., brs. N. 64° E., 162 lks. dist., marked T 11 N R 18 S 31 B T.

Land, high rolling mesa. Soil, stony; 3rd rate.

Timber, heavy pine and oak.

--000--

Thence I run,

N. 64° 26' W.

Var 15° E.

4.75 A dead and fallen pine tree, marked N B W M I R 769, on line, which marking I obliterate.

4.78 A pine tree, 10 ins. diam., which I mark A P N B W M I R 769 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 94th mile cor.

S. 80° 30' W.

Var 15° E.

10.55 A pine tree, 24 ins. diam., marked W M I R 770 N B 770, which marking I obliterate and remark A P N B W M I R 770 on S. face, B M F R on N. face.

Thence I run,

S. 88° 23' W.

Var 15° E.

19.71 A pine tree on line, 18 ins. diam., marked N B W M I R 771, which marking I change to A P N B W M I R 771, on S. face, B M F R on N. face.

Thence I run, continuing measurement from 94th mile cor.

S. 79° 35' W.

Var 15° E.

32.14 A juniper tree, 24 ins. diam., marked N B W M I R 772, which marking I change to A P N B W M I R 772 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 94th mile cor.

S. 83° 32' W.

Var. 15° E.

33.44 A tree on line, marked W M I R 77, which I destroy.

41.07 Point for 94 1/2 mile cor., which is a sandstone, 12 x 6 x 4 ins., above ground with mound of stone alongside, and marked N B W M I R 94 1/2. I obliterate markings and mound of stone, and remark A P N B W M I R 94 1/2 on S. face, B M F R on N. face, and raise a mound of stone, 3 ft base, 2 ft. high, E. of cor., on line.

A pine tree, 20 ins. diam., brs. S. 13° W., 63 lks. dist., marked N B W M I R 94 1/2 N B T.

A pine tree, 20 ins. diam., brs. S. 50° 45' E. 51 lks. dist., marked N B W M I R 94 1/2 M B T.

A pine tree, 12 ins. diam., brs. S. 81° W., 83 lks. dist., marked N B W M I R 94 1/2 M B T.

A pine tree, 30 ins. diam., brs. N. 64° E., 74 lks. dist., marked N B W M I R 94 1/2 M B T.

Thence I run, continuing measurement from the 94th mile cor.

S. 69° 10' W.

Var. 15° E.

54.37 A dead pine tree, marked N. B. W M I R 774, which marking I change to A P N B W M I R 774 on S. face, B M F R on N. face.

A pine tree, 24 ins. diam., brs. S. 73 1/2° E., 34 lks. dist., marked A P 774 B T.

A pine tree, 18 ins. diam., brs. N. 68 1/2° W. 25 lks. dist., marked A P 774 B T.

Thence I run, continuing measurement from 94th mile cor.

N. 85° 50' W.

Var. 20° E.

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

- chains.
- 63.07 A juniper tree, 24 ins. diam., marked N. B. W. M. I. R 775, which marking I change to A. P. N. B. W. M. I. R 775 on S. face, B. M. F. R. on N. face. Thence I run, continuing measurement from 94th mile cor. S. 88° 55' W., Var. 15° E.
- 69.38 A pine tree, 12 ins. diam., marked N. B. W. M. I. R 776, which marking I change to A. P. N. B. W. M. I. R 776 on S. face, B. M. F. R. on N. face. Thence I run, continuing measurement from 94th mile cor. S. 84° 43' W., Var. 15° E.
- 78.85 A pine tree, 18 ins. diam., marked N. B. W. M. I. R 777, which marking I change to A. P. N. B. W. M. I. R 777 on S. face, B. M. F. R. on N. face. Thence I run, continuing measurement from 94th mile cor. S. 83° 15' W., Var. 15° E.
- 82.56 Point for the 95th mile cor., which is a sandstone, 12 x 6 x 4 ins., above ground with mound of stone alongside and marked N. B. W. M. I. R 95 M. I obliterate markings and mound of stone and remark N. B. W. M. I. R 95 M. I. on S. face, B. M. F. R. on N. face, and raise a mound of stone, 3 ft base, 2 ft. high, E. of cor. A pine tree, 15 ins. diam., brw N. 73° W., 28 lbs. dist., marked N. B. W. M. I. R 95 M. B. I. A pine tree, 20 ins. diam., brw N. 70° W., 21 lbs. dist., marked N. B. W. M. I. R 95 M. B. T. A pine tree, 10 ins. diam., brw N. 66° E., 35 lbs. dist., marked N. B. W. M. I. R 95 M. B. T. A pine tree, 12 ins. diam., brw N. 72° E., 41 lbs. dist., marked N. B. W. M. I. R 95 M. B. T. Land; high rolling grass. Soil, stony; 3rd rate. Timber, heavy pine and oak.
- Thence I run, S. 84° 27' W., Var. 25° E.
- 12.20 A pine tree, 15 ins. diam., marked N. B. W. M. I. R 779 which marking I change to A. P. N. B. W. M. I. R 779 on S. face, B. M. F. R. on N. face. Thence I run, continuing measurement from 95th mile cor., N. 78° 10' W., Var. 14° E.
- 18.85 A pine tree, 22 ins. diam., marked N. B. W. M. I. R 780, which marking I change to A. P. N. B. W. M. I. R 780 on S. face, and B. M. F. R. on N. face. Thence I run, continuing measurement from 95th mile cor., N. 78° 51' W., Var. 14° E.
- 35.22 A pine tree, 20 ins. diam., marked N. B. W. M. I. R 781, which marking I change to A. P. N. B. W. M. I. R 781 on S. face, B. M. F. R. on N. face. Thence I run, continuing measurement from 95th mile cor., N. 62° 55' W., Var. 14° 45' E.
- 40.39 Point for 95th mile cor., which is a quartz stone 12 x 6 x 3 ins., above ground, with mound of stone alongside and marked N. B. W. M. I. R 95 M. I obliterate markings and mound of stone, and remark N. B. W. M. I. R 95 M. I. on S. face, B. M. F. R. on N. E. face, and raise a mound of stone 3 ft base, 2 ft. high, S. E. of cor. on line.

VOLTAVERE... BOUNDARY... MOUNTAIN... OBSERVATION

chains
 A pine tree, 30 ins. diam., brs. S. 60° W., 44 lbs
 dist., marked N B W M I R 95 M B T
 A pine tree, 14 ins. diam., brs. S. 82° E.,
 88 lbs. dist., marked N B W M I R 95 M B T.
 A pine tree, 12 ins. diam., brs. S. 66° E.,
 88 lbs. dist., marked N B W M I R 95 M B T.
 A pine tree, 15 ins. diam., brs. S. 70° E.,
 88 lbs. dist., marked N B W M I R 95 M B T.
 Thence I run, continuing measurement, from 95th mile cor.
 N. 65° 30' W.,
 A pine tree, 14 ins. diam., marked N B W M I R 782, which
 marking I change to A P N B W M I R 782 on S. face,
 Thence I run, continuing measurement, from 95th mile cor.,
 N. 50° 45' W.,
 A pine tree, 24 ins. diam., marked N B W M I R 783, which
 markings I change to A P N B W M I R 783 on S. face,
 Thence I run, continuing measurement, from 95th mile cor.,
 N. 64° 10' W.,
 A pine tree, 12 ins. diam., marked N B W M I R 784, which
 markings I change to A P N B W M I R 784 on S. face,
 Thence I run, continuing measurement, from 95th mile cor.,
 N. 67° W.,
 A pine tree, 12 ins. diam., marked N B W M I R 785,
 which markings I obliterate and remark A P N B W M I R
 785 on S. face, B M I R on N. face
 Thence I run, continuing measurement, from 95th mile cor.,
 N. 67° W.,
 A pine tree, 12 ins. diam., marked N B W M I R 786,
 which markings I change to A P N B W M I R 786 on S.
 face, B M I R on N. face
 Thence I run, continuing measurement, from 95th mile cor.,
 S. 57° 28' W.,
 Var. 14° 45' E.
 A point for the 95th mile cor., which is a quartz stone,
 96 M, with mound of stones, marked N B W M I R
 96 M, with mound of stones, marked N B W M I R
 96 M on N. E. face,
 N B W M I R on S. E. face,
 A pine tree, 15 ins. diam., brs. S. 82° E.,
 14 lbs. dist., marked N B W M I R 96 M B T.
 A pine tree, 10 ins. diam., brs. S. 82° E.,
 58 lbs. dist., marked N B W M I R 96 M B T.
 A pine tree, 12 ins. diam., brs. S. 1/4° W.,
 14 lbs. dist., marked N B W M I R 96 M B T.
 A pine tree, 10 ins. diam., brs. S. 1/4° W.,
 8 lbs. dist., marked N B W M I R 96 M B T.
 Land, high rolling mesa
 Soil, stony; 3rd rate.
 Timber, heavy pine and oak.
 A pine tree, 18 ins. diam., brs. S. 82° E.,
 14 lbs. dist., marked N B W M I R 96 M B T.
 Thence I run, continuing measurement, from 95th mile cor.,
 S. 52° 15' W.,
 A dead pine tree, marked W M I R 96 M B T, which mark-
 ings I obliterate and remark A P N B W M I R 787 on S.
 face, B M I R on N. face,
 A pine tree, 14 ins. diam., brs. S. 1/4° W.,
 35 lbs. dist., marked N B W M I R 96 M B T.
 A juniper tree, 12 ins. diam., brs. S. 82° E.,
 58 lbs. dist., marked N B W M I R 96 M B T.

NOTATION CONCERNING THE SURVEY OF THE LITTLE ROCK DISTRICT, ARKANSAS

- 17.24 A tree marked N B W M I R 788, partly destroyed by fire. Thence I run, continuing measurements from 96th mile cor. S. 13° 25' E. Var. 14° 45' E.
- 27.25 A pine tree, 18 ins. diam., marked N B W M I R 789, which marking I change to A P N B W M I R 789 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 13° 25' E. Var. 14° 45' E.
- 37.64 A pine tree, 18 ins. diam., marked N B W M I R 790, which marking I change to A P N B W M I R 790 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 13° 25' E. Var. 14° 45' E.
- 40.80 Point for the 96 1/2 mile cor., which is a bandstone, 20 x 6 x 6 inches above ground, with mound of stone along side, I and marked N B W M I R 791. Thence I run, continuing measurements from 96th mile cor. S. 13° 25' E. Var. 14° 45' E.
- 49.98 A pine tree, 18 ins. diam., marked N B W M I R 791, which marking I change to A P N B W M I R 791 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.
- 50.20 A tree and line marked N B W M I R 792, which marking I change to A P N B W M I R 792 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.
- 54.13 A dead and fallen tree with traces of marking, which marking I change to A P N B W M I R 793 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.
- 59.02 A pine tree, 18 ins. diam., marked N B W M I R 793, which marking I change to A P N B W M I R 793 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.
- 65.79 A pine tree, 18 ins. diam., marked N B W M I R 794, which marking I change to A P N B W M I R 794 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.
- 72.80 A pine tree, 18 ins. diam., marked N B W M I R 795, which marking I change to A P N B W M I R 795 on S. face. Thence I run, continuing measurements from 96th mile cor. S. 12° 5' E. Var. 14° 45' E.

chains.

Point for the 97th mile cor. which is a quartz stone,
 8.5 ft x 4 ft, 8 above ground, with mound of stone along-
 side and marked N B W M I R 97 M. Obliterate mark-
 ings and mound of stone, and raise a
 mound of stone, 3 ft. base, 2 ft. high, N. E. of cor. on line.
 A pine tree, 18 ins. diam., brs. N. 2° 45' W., 38 lks. d
 108 ft. dist., marked N B W M I R 97 M B T.
 A pine tree, 24 ins. diam., brs. N. 2° 45' W., 77 lks.
 dist., marked N B W M I R 97 M B T.
 A pine tree, 10 ins. diam., brs. S. 71° E. 28 lks.
 dist., marked N B W M I R 97 M B T.
 High rolling meadow, soil stony, 3rd rate
 timber, heavy pine and oak.

October 10, 1906.

October 11: At 7h. 30m. A.M. I set off 6° 47' S.
 on the decl. arc, and 30' 1" E. on the hor. arc, and
 determine a true meridian with the solar at the 97th
 mile cor. S. 35° W.
 Var. 14° 45' E.

Thence I run, continuing measurement from the 97th mile cor.
 Var. 14° 45' E.

A pine tree, 18 ins. diam., marked N B W M I R 797.
 Thence I run, continuing measurement from the 97th mile cor.
 Var. 14° 45' E.

A pine tree, 18 ins. diam., marked N B W M I R 798, which
 is a sapling of 1 1/2 inches to 2 inches in diameter.
 Thence I run, continuing measurement from the 97th mile cor.
 Var. 14° 45' E.

A pine tree, 18 ins. diam., marked N B W M I R 799.
 Thence I run, continuing measurement from the 97th mile cor.
 Var. 14° 45' E.

A pine tree, 24 ins. diam., marked N B W M I R 800.
 Thence I run, continuing measurement from the 97th mile cor.
 Var. 14° 45' E.

Point for the 97th mile cor. which is a quartz stone,
 8.5 ft x 4 ft, 8 above ground, marked N B W M I R 97 M.
 Obliterate markings, and raise a mound of stone,
 3 ft. base, 2 ft. high, N. E. of cor. on line.
 A pine tree, 15 ins. diam., brs. N. 2° 45' W., 36
 lks. dist., marked N B W M I R, 97 M B T.

CONTINUING MEASUREMENT FROM 97th MILE CORNER.

chains.
 A pine tree, 10 ins. diam., marked W M I R 800, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 800.

43.49 A pine tree, 12 ins. diam., marked W M I R 801, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 801.

51.91 A pine tree, 12 ins. diam., marked W M I R 802, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 802.

58.79 A dead and fallen pine tree, marked W M I R 66 N B 803, which I destroy and mark with a pile of stones, brs. N. 10° W. 36.00 dist.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 66 N B 803.

66.24 A dead and fallen pine tree, marked W M I R 804, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 804.

75.24 A pine tree, 12 ins. diam., marked W M I R 805, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 805.

77.96 A pine tree, 12 ins. diam., marked W M I R 806, which marking I change to B M F B on N.W. face, B M F B on S.E. face, B M F B on N.E. face, B M F B on S.W. face.
 Thence I run, continuing measurement from 97th mile cor., S. 15° 05' E. 36.00 dist., marked W M I R 806.

81.00 A pine tree, 12 ins. diam., marked W M I R 807, which I destroy.
 Point for the 100th mile corner, which is a sandstone, 10 ft. base, 2 ft. high.

82.56 Point for the 100th mile corner, which is a sandstone, 10 ft. base, 2 ft. high.

88 N on E. face.

Point for the 100th mile corner, which is a sandstone, 10 ft. base, 2 ft. high.

Point for the 100th mile corner, which is a sandstone, 10 ft. base, 2 ft. high.

A pine tree, 12 ins. diam., marked W M I R 807, which I destroy.

CHAINAGE AND DISTANCE RECORDS

- chains
- A pine tree, 30 ins. diam., base N. 84° E. 74 lks. dist., marked N B W M I R 807 M B T
- A pine tree, 24 ins. diam., base N. 13 1/4° E. 50 lks. dist. W., marked N B W M I R 808 M B T
- A pine tree, 18 ins. diam., base N. 37 lks. dist. W., marked N B W M I R 809 M B T
- A pine tree, 18 ins. diam., base N. 41 1/2° W., 63 lks. dist. W., marked N B W M I R 810 M B T
- A mound of stone, 4 x 4 ft high, base N. 78° W. 63 lks. dist. W., marked N B W M I R 811 M B T
- Thence I run, continuing measurement from 98th mile cor. S. 77 1/2° W., 7.16
- A dead and fallen pine marked N B W M I R 807 2 which I destroy.
- A pine tree, 8 ins. diam., base N. 89° E., 100 lks. dist., marked A P 807 B. E. 150
- A pine tree, 24 ins. diam., marked N B W M I R 808, which marking I change to A P N B W M I R 808 on SW. face, B M F R on NE. face.
- A tree on line, marked W M I R 64, which I destroy.
- A pine tree, 24 ins. diam., marked N B W M I R 808, which marking I change to A P N B W M I R 808 on SW. face, B M F R on NE. face.
- A pine tree, 24 ins. diam., marked N B W M I R 810, which marking I obliterate and remark A P N B W M I R 810 on NE. face, B M F R on SW. face.
- A mound of stone 4 x 4 ft high, base N. 78° W., 63 lks. dist. Thence I run, continuing measurement from 98th mile cor. S. 77 1/2° W., 7.16
- A dead and fallen tree, base N. 89° E., 100 lks. dist., marked A P 807 B. E. 150
- Set a stake 4 x 4 ins., x 4 ft high, 200 lbs. stone, marked A P N B W M I R 811 on NE. face, B M F R on SW. face.
- A pine tree, 10 ins. diam., base N. 81° W., 21 lks. dist., marked A P 811 B. E. 150
- Thence I run, continuing measurement from 98th mile cor. S. 70° 15' E., 40.93
- Point for the 98 1/2 mile cor., which is a quartz stone, 6 x 5 x 4 ins., above ground, marked N B W M I R 98 1/2 M I obliterate marking and remark

MEASUREMENTS AND OBSERVATIONS...

chains

A pine tree, 18 ins. diam., marked N B W M I R 812, which marking I change to A P N B W M I R 812 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 71° 10' E., Var. 14° -45' E.--

45.14 A pine tree, 18 ins. diam., marked N B W M I R 812, which marking I change to A P N B W M I R 812 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 52° 42' E., Var. 14° 45' E.--

55.82 A pine tree, 19 ins. diam., marked N B W M I R 813, which marking I change to A P N B W M I R 813 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 52° 42' E., Var. 14° 45' E.--

57.69 A pine tree, 18 ins. diam., marked N B W M I R 814, which marking I change to A P N B W M I R 814 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 52° 42' E., Var. 14° 45' E.--

59.89 A tree marked W M I R 81, which marking I change to A P N B W M I R 81 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 52° 42' E., Var. 14° 45' E.--

67.62 A pine tree, 18 ins. diam., marked N B W M I R 816, which marking I change to A P N B W M I R 816 on NE face, B M F R on SW face.
 Thence I run, continuing measurement from 98th mile cor., S. 17° 50' E., Var. 14° 45' E.--

74.67 A pine tree, 18 ins. diam., marked N B W M I R 817, which marking I obliterate and replace with B M F R on SW face, B M F R on NE face.
 Thence I run, continuing measurement from 98th mile cor., S. 17° 50' E., Var. 14° 45' E.--

81.82 A pine tree, 18 ins. diam., marked N B W M I R 99 M, which marking I obliterate and replace with B M F R on SW face, B M F R on NE face.
 Thence I run, continuing measurement from 98th mile cor., S. 17° 50' E., Var. 14° 45' E.--

89.82 A pine tree, 18 ins. diam., marked N B W M I R 99 M, which marking I obliterate and replace with B M F R on SW face, B M F R on NE face.
 Thence I run, continuing measurement from 98th mile cor., S. 17° 50' E., Var. 14° 45' E.--

99.82 A pine tree, 18 ins. diam., marked N B W M I R 99 M, which marking I obliterate and replace with B M F R on SW face, B M F R on NE face.
 Thence I run, continuing measurement from 98th mile cor., S. 17° 50' E., Var. 14° 45' E.--

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains.

- 1.00 B M F R on N. W. face, and raise a mound of earth, 3 ft base, 2 ft high, N E of cor. on line.
An oak, 8 ins. diam., brs. S 35° W., 16 lks. dist., marked N B W M I R 99th M. cor.
- 2.00 An oak tree, 8 ins. diam., brs. S 30° E., 29 lks. dist., marked N B W M I R 99th M. cor.
- 3.00 A pine tree, 24 ins. diam., brs. S 70° E., 29 lks. dist., marked N B W M I R 99th M. cor.
- 4.00 A pine tree, 14 ins. diam., brs. S. 13° W., 43 lks. dist., marked N B W M I R 99th M. cor.
- 5.00 Mountainous land, mountainous. Soil, stony, 3 to 4 ft. Timber, heavy pine and oak.
At this point, the line leaves the divide and cuts across south of divide, east south of the divide.
Mountainous land, exceptionally difficult to survey, 51.53 chains.
- 6.00 Thence I run, S. 65° W. 10.00 chains.
- 7.00 Cross canon, 50 lks wide, flows S. Ascend steep slope.
- 8.00 12.54 Top of slope, a pine 14 ins. diam., marked N B W M I R 99th M. cor. Thence I run, continuing measurement from 99th mile cor. S. 65° W. 10.00 chains.
- 9.00 15.21 A pine tree, 30 ins. diam., marked N B W M I R 99th M. cor. I alternate this marking and remark on S. face, B M F R on N. face. A mound of stone brs. S. 35° E., 40 lks dist. Thence I run, continuing measurement from 99th mile cor. S. 60° 0' W. 10.00 chains.
- 10.00 21.80 A pine tree, 18 ins. diam., marked N B W M I R 820, which marking I change to A P N B W M I R 820 on S. face. Thence I run, continuing measurement from 99th mile cor. S. 80° W. 10.00 chains.
- 11.00 31.20 Cross canon, 100 chain wide, course S. E., ascend.
- 12.00 42.39 Point for 99th mile cor. which is a sandstone, 12 x 12 x 6 in. above ground, marked N B W M I R 99th M. I alternate this marking, and remark 99th M on E. face, N B W M I R on S. face, B M F R on N. face, and raise a mound of earth, 3 ft base, 2 ft high, S. of cor. A pine tree, 24 ins. diam., brs. S. 70° E., 18 lks. dist., marked N B W M I R 99th M. cor.
- 13.00 A pine tree, 12 ins. diam., brs. S. 45° W., 25 lks. dist., marked N B W M I R 99th M. cor.
- 14.00 A pine tree, 24 ins. diam., brs. S. 70° E., 18 lks. dist., marked N B W M I R 99th M. cor.
- 15.00 A pine tree, 12 ins. diam., brs. N. 70° W., 113 ins. dist., marked N B W M I R 99th M. cor.
- 16.00 October 11, at noon, 1:30 p.m. set off on the decl. arc and observe the sun on the meridian, the resulting latitude is 34° 16' N. Thence I run, continuing measurement from the 99th mile cor. S. 70° 40' W. 10.00 chains.
- 17.00 44.85 A pine tree, 18 ins. diam., marked N B W M I R 821, which marking I change to A P N B W M I R 821 on S. face, B M F R on N. face. 821

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains
 There I run, continuing measurement from 99th mile cor.
 N. 82° 45' W. to E. M. ...
 54.04 A pine tree 12 ins. diam. marked N. B. W. M. I. R. 822,
 which marking I change to A. P. N. B. W. M. I. R. 822 on S.
 face, B. M. F. R. on N. face.
 There I run, continuing measurement from 99th mile cor.
 N. 74° 14' W. to I. M. W. ...
 60.41 A pine tree 12 ins. diam. marked N. B. W. M. I. R. 823,
 which marking I change to A. P. N. B. W. M. I. R. 823 on S.
 face, B. M. F. R. on N. face.
 A pine tree, base N. 49° 16' W. 16 lks.
 A pine tree, base N. 33° 10' E. 20
 There I run, continuing measurement from 99th mile cor.
 N. 89° 35' W. ...
 Var. 14° 45' E.
 66.61 A pine tree, 12 ins. diam., marked, buried, which I
 mark A. P. N. B. W. M. I. R. 824 on S. face, B. M. F. R.
 on N. face.
 There I run, continuing measurement from 99th mile cor.
 N. 49° 26' W. ...
 Descend steep slope.
 76.01 Cross canon, 20 lks. wide, course ...
 81.01 Top of ridge, ...
 84.01 Point for the 100th mile cor. which is a limestone, 18
 x 14 x 4 ins. set in a mound of stone, marked
 N. B. W. M. I. R. 100. ...
 100 M on S. E. face,
 N. B. W. M. I. R. on S. W. face,
 N. B. W. M. I. R. on S. face, ...
 A pine tree, 10 ins. diam., base N. 57° E., 53
 A fir tree, 10 ins. diam., base N. 75° E. 53
 lks. dist., marked N. B. W. M. I. R. 100 M. B. T.
 A pine tree, 10 ins. diam., base N. 20° E. 50 lks.
 A pine tree, 10 ins. diam., base N. 100 M. B. T.
 A pine tree, 10 ins. diam., base N. 3° W. 21 lks.
 Land, mountainous.
 Soil, stony, 3rd rate.
 Timber, heavy pine and oak.
 Underbrush, scrub oak and black brush.
 Mountains, gr. heavily timbered, land, covered with
 dense undergrowth, exceptionally difficult to survey,
 A pine tree, 12 ins. diam., base N. 39° E. 100 M. B. T.
 A pine tree, 12 ins. diam., base N. 39° E. 100 M. B. T.
 7.00 Cross canon, 12 lks. wide, course ...
 29.00 Top of ridge.
 A pine tree, 24 ins. diam., marked N. M. I. R. 54 N. B. 825,
 which marking I change to A. P. N. B. W. M. I. R. 825
 on S. face, B. M. F. R. on N. face.
 A pine tree, 10 ins. diam., base N. 50° E. 40 lks. dist.
 There I run, continuing measurement from 100th mile cor.
 N. 36° 20' W. ...
 A pine tree, 18 ins. diam., base N. 48° E. ...
 A pine tree, 18 ins. diam., base N. 48° E. ...

MOUNTAIN SURVEYING INSTRUMENTS AND METHODS OF OBSERVATION

- chains
34.32 A pine tree, 6 ins. diam., marked N B W M I R 826, which
marking I change to A P N B W M I R 826 on S. face.
B M F R on N. face.
- 36
Thence I run, continuing measurement from 100th mile cor.
N. 100° 14' W. 140 lbs. dist., marked N B W M I R 827.
- 38
Ascend 101 M I W F M H K ...
- 44.00 The 100th mile cor., which is a quartz stone in place,
with a mound of stone alongside, and marked N B W M I R
100 M. I obliterate markings and mound of stone, and
remark
100 M on S E face, ...
N B W M I R on S W face, ...
B M F R on N E face, ...
stone 3
An oak tree, 10 ins. diam., base S. 78° W
85 lbs. dist., marked N B W M I R 100 M B T
A pine tree, 24 ins. diam., base S. 82° E,
22 lbs. dist., marked N B W M I R 100-1/2 M B T
A pine tree, 30 ins. diam., base S. 5° E., 124
lbs. dist., marked N B W M I R 100 M B T
A pine tree, 40 ins. diam., base S. 124
lbs. dist., marked N B W M I R 100 M B T
Thence I run, continuing measurement from 100th mile cor.
S. 74° 54' W. 100 lbs. dist., marked N B W M I R 101
I ... S. 74° 45' W. 100 lbs. dist., marked N B W M I R 102
Descend.
- 47.30 Cross canon, course S. W., ascend 101 M on M 101
- 55.30 A tree, marked W M I R 54, which I destroy.
- 55.38 A pine tree, 35 ins. diam., marked N B W M I R 827,
which marking I change to A P N B W M I R 827 on S.
face, B M F R on N. face.
- This is the top of ...
Thence I run, continuing measurement from 100th mile cor.
S. 84° 10' W. 100 lbs. dist., marked N B W M I R 828
W. 80° 40' E. 100 lbs. dist., marked N B W M I R 829
- 59.88 ...
74.28 Find an oak tree with markings buried
I blaze and mark a pine tree, 10 ins. diam., A P N B W
M I R 828 on S. face, B M F R on N. face.
Thence I run, continuing measurement from 100th mile cor.,
N. 88° 51' W. 100 lbs. dist., marked N B W M I R 830
W. 84° 45' E. 100 lbs. dist., marked N B W M I R 831
Descend.
- 76.28 ...
- 78.95 A tree, marked W M I R 54, which I destroy.
- 79.00 A pine tree, 10 ins. diam., marked N B W M I R 829,
which marking I change to A P N B W M I R 829 on S.
face, B M F R on N. face.
- Thence I run, continuing measurement from 100th mile cor.
S. 102° 55' W. 100 lbs. dist., marked N B W M I R 832
Var. 14° 45' E. 100 lbs. dist., marked N B W M I R 833
Descending.
- 87.48 The point for the 101 mile cor., which is a quartz stone,
12 x 12 x 6 ins. above ground, with a mound of stone
alongside, and marked N B W M I R 101 M. I obliterate
markings and mound of stone, and remark
101 M on S E face, ...
N B W M I R on S E face, ...
B M F R on N W face, ...

...AND RAISE A MOUND OF STONE 3 FT BASE, 2 FT HIGH, ...

chains. and raise a mound of stone 3 ft base, 2 ft high, ...

... 63 lks. dist., marked N B W M I R 101 M B T.

A pine tree, 24 ins diam, ... 52 lks dist., marked N B W M I R 102 M B T.

A pine tree, 24 ins diam, ... 52 lks dist., marked N B W M I R 102 M B T.

Soil, stony, 3rd rate.

Timber, heavy pine and oak.

Undergrowth, dense scrub oak and buckeye.

Mountains or high timbered land covered with dense undergrowth, exceptionally difficult to survey.

... 46 lks. dist., marked N B W M I R 101 M B T.

... 52 lks dist., marked N B W M I R 102 M B T.

... 52 lks dist., marked N B W M I R 102 M B T.

... 63 lks dist., marked N B W M I R 102 M B T.

... 71 lks dist., marked N B W M I R 102 M B T.

Thence I run, continuing measurement from 102 mile cor. S. 78° 30' W. ...

A pine tree, 24 ins diam, ... 830 on S. face, B M F B on N. face. W. 10' 88' M.

A mound of stone, ... 25 lks dist., Top of ridge.

Thence I run, continuing measurement from 101 mile cor. N. 82° 45' W. ...

A gulch, 50 lks. wide, ... 831, which marking I destroy and remark ...

Thence I run, continuing measurement from 101 mile cor. N. 53° 47' W., ...

... 85.21 ...

... 102 M on S. face,

MOUNTAIN SURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVE

chains.

N. B. W. M. I. on S. W. face; and raise a mound of stone, 3 ft base; 2 ft high; S. E. of cor. cog line.

301 R I M like sign marked N. B. W. M. I. R 102 M B T.

301 R I M like sign marked N. B. W. M. I. R 102 M B T.

68 lks. dist., marked N. B. W. M. I. R 102 M B T.

A pine tree, 30 ins diam., brs. N. 108 lks dist.

A pine tree, 24 ins diam., brs. S. 30 E. 46

301 R I M like sign marked N. B. W. M. I. R 102 M B T.

True course of this line, is N. 47° 51' W. 20.44 chs.

Land, mountainous, soil, stony, 3rd rate.

Timber, heavy pines and oak.

Undergrowth, dense scrub oak.

Mountainous or heavily timbered land, covered with dense undergrowth, exceptionally difficult to survey, 86.45 chs.

October 22nd At 7h 30 m a. m. ...

S. on the decl. arc, and 34° 17' N. on the ...

adi determine true meridian with the solar at the 102 mile cor. I ...

Thence I run, ...

Var. 32° 57' W. ...

Var. 19° 45' E. ...

Descending ...

9.00 Gulch, course S.; ascend.

16.00 A pine tree, 24 ins diam., marked N. B. W. M. I. R 833, which markings I change to A. P. N. B. W. M. I. R 833 on S. face B. M. F. R. on N. face ...

Spring brs. 8.00 chs. south. Only water within 5 miles ...

Top of ridge ...

Thence I run, continuing measurement from 102nd mile cor., ...

Var. 14° 45' E. ...

26.00 Along south slope of ridge, descending.

32.80 Gulch, course S.; ascend.

A juniper tree, 30 ins diam., marked N. B. W. M. I. R 834, which marking I change to A. P. N. B. W. M. I. R 834 on S. face ...

Thence I run, continuing measurement from 102nd mile cor., ...

Var. 14° 45' E. ...

Top of ridge ...

Free marked W. M. I. R 49, partly destroyed by fire, which I destroy.

Thence I run, continuing measurement from 102nd mile cor. N. 5° 22' W. ...

Var. 14° 45' E. ...

41.50 Along top of ridge, ascend.

Point for the 104th wire, which is a sandstone, 12 x 18 x 18 ins above ground, with mound of stone alongside, and marked N. B. W. M. I. R 103 M B T. ...

103 M B T. ...

N. B. W. M. I. R on W. face ...

N. B. W. M. I. R on E. face, and raise a mound of stone, 3 ft base, 2 ft high; S. of cor. cog line.

302 R I M like sign marked N. B. W. M. I. R 102 M B T.

302 R I M like sign marked N. B. W. M. I. R 102 M B T.

A pine tree, 14 ins diam., brs. N. 66° W. 21 lks.

103 M B T. ...

103 M B T. ...

8645

Chains.

dist., marked N B W M I R 102 1/2 M B T. H
 8. empty to pine trees 14 ins. diam., brs. S. 19° 45' E
 . 200 lks. dist., marked N B W M I R 102 1/2 M B T.
 89. 2. 2 oak tree, 201 lks. diam., brs. S. 45° E., 9
 T R M SOI lks. dist., marked N B W M I R 102 1/2 M B T.
 Thence I run, continuing measurement from 102 mile cor.,
 T R M SOI lks. dist., marked N B W M I R 102 1/2 M B T.
 . 201 lks. dist., marked N B W M I R 102 1/2 M B T.
 42.32 A tree marked N B W M I R 835, destroyed by fire.
 81. A mound of stones in large mound of stone, and mark it A P
 . I N B W M I R 835 on S. face, B M F R on N. face.
 A pine tree, 10 ins. diam., brs. S. 10° W.,
 40 lks. dist., marked A P 835 B T.
 An oak tree, 8 ins. diam., brs. S. 52 1/2° E., 35
 lks. dist., marked A P 835 B T.
 Thence I run, continuing measurement from 102 mile cor.,
 N. 14° 45' W., 100 lks. dist., marked N B W M I R 835.
 Var. 14° 45' E.
 43.62 A tree, marked W M 408--48 on line, which I destroy.
 Descend steep slope.
 55.42 1/2 ridge, 20 lks. wide, course S. 1/2 S. 1/2 E.
 62.72 Top of ridge, 10 lks. wide, course S. 1/2 S. 1/2 E.
 80 62.77 A pine tree 12 ins. diam., marked N B W M I R 836, which
 marking I change to A P N B W M I R 836 on S. face,
 B M F R on N. face.
 A pine tree, 12 ins. diam., brs. S. 65 1/2° W.,
 39 lks. dist., marked A P 836 B T.
 A pine tree, 14 ins. diam., brs. S. 65 1/2° W., 81
 lks. dist., marked A P 836 B T.
 Thence I run, continuing measurement from 102 mile cor.,
 N. 14° 45' W., 100 lks. dist., marked N B W M I R 836.
 Var. 14° 45' E.
 Along top of ridge, 80 lks. wide, course S. 1/2 S. 1/2 E.
 65.71 A pine tree, 18 ins. diam., marked N B W M I R 837,
 which marking I change to A P N B W M I R 837 on S
 face, B M F R on N. face.
 Thence I run, continuing measurement from 102 mile cor.,
 S. 83° 47' W., 100 lks. dist., marked N B W M I R 837.
 Var. 14° 45' E.
 Descend steep slope.
 77.82 1/2 ridge, 20 lks. wide, course S. 1/2 S. 1/2 E.
 . 200 lks. dist., marked N B W M I R 837.
 80.58 A pine tree 14 ins. diam., marked N B W M I R 838,
 80.58 which marking I change to A P N B W M I R 838 on S.
 face, B M F R on N. face, from which
 A mound of stones, brs. S. 50° W., 25 lks. dist.
 Thence I run, continuing measurement from 102 mile cor.,
 N. 45° W., 100 lks. dist., marked N B W M I R 838.
 Var. 14° 45' E.
 Along crest of ridge.
 84.18 The point for the 103 mile cor. which is a quartz stone,
 8 x 6 x 6 ins. above ground, with mound of stone
 6 x 6 x 6 ins. above ground, marked N B W M I R 103 1/2 M B T.
 . 200 lks. dist., marked N B W M I R 103 1/2 M B T.
 B M F R on S. face, and mound of stone, 3
 ft base, 2 ft. high, top of cor. from which
 Thence I run, continuing measurement from 102 mile cor.,
 S. 62° W., 23 lks. dist., marked N B W M I R 103 1/2 M B T.
 . 200 lks. dist., marked N B W M I R 103 1/2 M B T.
 T R M SOI lks. dist., marked N B W M I R 103 M B T.
 . 200 lks. dist., marked N B W M I R 103 M B T.
 A pine tree, 14 ins. diam., brs. S. 40° E., 34 lks.
 dist., marked N B W M I R 103 M B T.
 A pine tree, 10 ins. diam., brs. S. 75° E., 31
 lks. dist. marked N B W M I R 103 M B T.
 Land, mountainous.

6

WOLTA... OBSERVATION

Chains.

- Soil, stony, 3rd rate.
- Timber, heavy pine and oak.
- Undergrowth, dense scrub oak and buck brush.
- Mountainous or heavily timbered land, covered with dense undergrowth, exceptionally difficult to traverse.
- Thence I run, N. 42° 36' W.,
- 15.53 A pine tree, 24 ins. diam., marked N. B. W. M. I. R. 839, which marking I change to A. P. W. B. M. I. R. 839 on S. face, B. M. F. R. on N. face.
- Thence I run, continuing measurement from 103 mile cor. N. 51° W.,
- 23.20 An oak tree, 18 ins. diam., marked N. B. W. M. I. R. 840, which marking I change to A. P. W. B. M. I. R. 840 on S. face, B. M. F. R. on N. face.
- Thence I run, continuing measurement from the 103 mile cor. N. 51° W.,
- 27.70 A pine tree, 24 ins. diam., marked N. B. W. M. I. R. 841, which marking I change to A. P. W. B. M. I. R. 841 on S. face, B. M. F. R. on N. face.
- Thence I run, continuing measurement from 103 mile cor. N. 51° W.,
- 33.00 A pine tree, 20 ins. diam., marked N. B. W. M. I. R. 842, which marking I change to A. P. W. B. M. I. R. 842 on S. face, B. M. F. R. on N. face.
- A mound of stone, br. N. 51° W., 50 lks. dist.
- Thence I run, continuing measurement from 103 mile cor., S. 77° W.,
- 42.06 The 103 mile cor., which is a sandstone, 6 x 6 x 4 ins. above ground with mound of stone alongside, and marked N. B. W. M. I. R. 103. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 103 on S. face, B. M. F. R. on N. face, from which
- An oak tree, 10 ins. diam., br. N. 61 lks. dist., marked N. B. W. M. I. R. 104. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 104 on S. face, B. M. F. R. on N. face, from which
- A pine tree, 18 ins. diam., br. N. 48 lks. dist., marked N. B. W. M. I. R. 105. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 105 on S. face, B. M. F. R. on N. face, from which
- A pine tree, 18 ins. diam., br. N. 46 lks. dist., marked N. B. W. M. I. R. 106. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 106 on S. face, B. M. F. R. on N. face, from which
- A pine tree, 18 ins. diam., br. N. 50 lks. dist., marked N. B. W. M. I. R. 107. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 107 on S. face, B. M. F. R. on N. face, from which
- Thence I run, continuing measurement from 103 mile cor. S. 70° 11' W.,
- Var. 15° E.
- Descend.
- 44.96 Gulch, 20 lks. wide, course S E, marked N. B. W. M. I. R. 108.
- 53.28 A pine tree, 18 ins., in diam., marked N. B. W. M. I. R. 109. M. I. obliterate markings and mound of stone, and remark N. B. W. M. I. R. 109 on S. face, B. M. F. R. on N. face, from which
- Thence I run, continuing measurement from 103 mile cor.

NOITAVH... OBSERVATION

Chains. N. 77° 42' W., Var. 15° E.
 Along south slope of ridge...
 63.28 Top of ridge, extends SE and NW.
 63.42 A pine tree, 20 ins. diam., marked A P N B W M I R 844, on S. face, B M F R on N. face. Original tree not found.
 Thence I run, continuing measurement from 103 mile cor. 88 S. 18° 03' W., 15° S. A of course I obliterate marking I change to A P N B W M I R 845 on S. face, B M F R on N. face.
 Thence I run, continuing measurement from 103 mile cor. 88 S. 18° 30' W., 15° S. A of course I obliterate marking I change to A P N B W M I R 846 on S. face, B M F R on N. face.
 77.02 Find dead and fallen tree marked W M I R 440 B 846, 6 ins. diam. A P N B W M I R 846. On S. face, B M F R on N. face, and raise a mound of 2 1/2 inches of stone beside.
 Thence I run, continuing measurement from 103 mile cor. 88 S. 18° 45' W., 15° S. A of course I obliterate marking I change to A P N B W M I R 847 on S. face, B M F R on N. face.
 85.59 Point for 104 mile cor., which is a quart of stone, 6 x 4 x 8 ins., above ground, with a stone alongside, 104 M on N. E. face, and a mound of stone, 3 ft. base, 2 ft. high, N.E. of cor. On line.
 A pine tree, 30 ins. diam., 58 lbs. dist. marked N B W M I R 104 M B T, 102 lbs. dist. marked N B W M I R 104 M B T.
 A pine tree, 14 ins. diam., 86 lbs. dist., marked N B W M I R 104 M B T.
 A pine tree, 12 ins. diam., 126 lbs. dist., marked N B W M I R 104 M B T.
 Land, mountainous, soil, stony, 30 ins. diam. Timber, heavy, 30 ins. diam. Undergrowth, dense scrub oak, and black brush. The undergrowth, heavily timbered, land covered with dense growth, and is difficult to survey, 85:59
 Thence I run, continuing measurement from 104 mile cor. on the decl. 88 S. 18° 00' W., 15° S. A of course I obliterate marking I change to A P N B W M I R 104 M B T on the decl. The resulting measurement is 104 miles.
 Thence I run, continuing measurement from 104 mile cor. on the decl. 88 S. 18° 00' W., 15° S. A of course I obliterate marking I change to A P N B W M I R 104 M B T on the decl. The resulting measurement is 104 miles.
 18.60 Gulch, 20 ins. diam., 102 lbs. dist. marked N B W M I R 104 M B T.
 26.60 Top of ridge, extends SE and NW.
 41.80 Point for the 104 mile cor., falls on sandstone, 12 x 12 ins. above ground, with mound of stone alongside, and marked N B W M I R 104 M. I obliterate marking and mound of stone, and remark

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

Chains. 104 1/2 M on N E face,
 N B W M I R on S E face,
 B M F R on N W face, and raise a mound of stone
 3 ft. base, 2 ft high, N E of cor on line.
 A pine tree, 15 ins. diam., brs. S. 24° E.,
 16 lks. dist., marked N B W M I R 104 1/2 M B T.
 A pine tree, 30 ins. diam., brs. N. 51 1/4° W., 16
 lks. dist., marked N B W M I R 104 1/2 M B T.
 A pine tree, 18 ins. diam., brs. N. 22° W 62 lks
 dist., marked N B W M I R 104 1/2 M B T
 A pine tree, 12 ins. diam., brs. S 60 1/2° W,
 46 lks dist., marked N B W M I R 104 1/2 M B T
 Top of slope.
 Thence I run, continuing measurement from 104 mile cor.
 S. 48° 58' W.
 Var. 15° E.
 Across flat.
 Begin ascent.
 51.80 A dead stump on top of ridge, marked W M I R 840 N B 847,
 57.80 which marking I obliterate and remark A P N B W M I R
 847 on S. face, B M F R on N. face.
 A mound of stone, 5 ft base, bears N. 26 1/2° E
 15 lks. dist.
 A pine tree, 18 ins. diam., bears N. 52 lks
 dist., marked A P 847 B T.
 A pine tree, 18 ins. diam., brs. N. 43° W. 71
 lks. dist., marked A P 847 B T.
 Thence I run, continuing measurement from 104 mile cor.
 N. 62° W.,
 Var. 15° E.
 Along top of ridge.
 69.94 A dead pine tree, marked N B W M I R 848, which marking
 I change to A P N B W M I R 848 on S. face, B M F R
 on N. face.
 A pine tree, 6 ins. diam., brs. S. 82° E., 70
 lks. dist., marked A P 848 B T.
 An oak tree, 8 ins. diam., brs. S. 37° E., 43
 lks. dist., marked A P 848 B T.
 Thence I run, continuing measurement from 104 mile cor.
 N. 88° 35' W.
 Var. 15° E.
 Descending.
 76.74 A tree on line, marked W M I R, which I destroy.
 82.40 Point for 105th mile cor. falls on sandstone, 12 x 10 x
 6 ins. above ground, with mound of stone alongside, and
 marked N B W M I R 105 M. I obliterate markings and
 mound of stone, and remark
 105 M A P 849 on E. face,
 N B W M I R on S. face,
 B M F R on N. face, and raise a mound of stone,
 3 ft. base, 2 ft. high, E of cor on line.
 A pine tree, 10 ins. diam., brs. N. 23° E., 21
 lks dist., marked N B W M I R 105 M B T.
 A pine tree, 12 ins. diam., brs. S. 76 1/2° E, 34
 lks dist., marked N B W M I R 105 M B T.
 A pine tree, 15 ins. diam., brs. S. 44 1/4° E.,
 45 lks. dist., marked N B W M I R 105 M B T.
 A pine tree, 12 ins. diam., brs. S. 34 1/2° W. 40
 lks dist., marked N B W M I R 105 M B T.
 Land, mountainous.
 Soil, stony, 3rd rate.
 Timber, heavy pine and oak.
 Mountainous land, heavily timbered, exceptionally
 difficult to survey, 82.40 chs.

NOLTA RESERVATION NORTH BOUNDARY WESTERN MOUNTAIN INDIAN RESERVATION

chains

October 13: At 7h.30m. I set off 7°32' S. on the decl. arc, and 34°17' N. on the lat A arc, and determine a true meridian, with the solar at the 105 1/2 mile cor.
 Thence I run, continuing measurement from the 105 mile cor.
 N. 53° 35' W.,
 Var. 15° E.

49.75 A pine tree, 24 ins. diam., marked N B W M I R 855, which marking I change to A P N B W M I R 855 on SW face, B M F R on NE face.
 Thence I run, continuing measurement from 105 mile cor.,
 N. 53° 35' W.,
 Var. 15° E.

55.45 Tree marked N B W M I R 856, destroyed. I mark a pine tree, 24 ins. diam., A P N B W M I R 856 on S. face, B M F R on N. face.
 Thence I run, continuing measurement from 105 mile cor.
 N. 28° 10' W.,
 Var. 14° 45' E.

62.10 A pine tree, 24 ins. diam., marked W M I R 41, N B 857, which marking I destroy and remark A P N B W M I R 858 on S W face, B M F R on N E face.
 Thence I run, continuing measurement from 105 mile cor.
 N. 54° 45' W.,
 Var. 15° 45' E.

69.40 Gulch, 50 lks. wide, course S., abundant.
 72.88 A pine tree, 24 ins. diam., marked W M I R 40, N B 858, which marking I destroy and remark A P N B W M I R 858 on S. face, B M F R on N. face.
 Mound of stone, brs. N 47° W., 133 lks. dist., on point of ridge, extending N. and S.

Thence I run, continuing measurement from 105 mile cor.,
 S. 54° 54' W.,
 Var. 14° 45' E.
 Descending.

79.48 Logch, 1.00 chain wide, course S., abundant.
 82.16 Point for 106 mile cor., on a quartz stone, 12 x 10 lks. dist., with mound of stone alongside, marked N B W M I R 106 M. E. obelisk markings and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

85.17 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

88.17 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

91.17 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

94.17 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

97.17 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.
 A pine tree, 24 ins. diam., marked N B W M I R 106 M. E. on S. face, and mound of stone, with remark A P N B W M I R 106 M. E. on N. face.

1.71 A pine tree, 24 ins. diam., marked W M I R 39 N B 859, which marking I destroy and remark A P N B W M I R

NORTHWEST QUARTER SECTION 10, TOWNSHIP 14N, RANGE 10E, SECTION 10, COUNTY OF WYOMING, STATE OF WYOMING

chains.

2 'S. 41° 50' W. 100 ft. to 859 on S. face, B.M. E. No. on NW. side.

A mound of stone, brs. S. 50° W., 55 lks. dist.,
 Top of ridge. Thence I run, continuing measurement from 106 mile cor.,
 S. 41° 50' W. 101 ft. to 860 on S. face,
 Var. 14° 45' E.

18.63 A pine tree, 15 ins. diam., marked N.B.W.M.I.R. 860, which
 marking I change to A.P.N.B.W.M.I.R. 860 on S.E. face,
 B.M.F.R. on N.W. face.

A mound of stone, brs. N. 72° 32' W., 53 lks. dist.
 Thence I run, continuing measurement from 106th mile cor.,
 S. 72° 32' W., 101 ft. to 861 on S. face,
 Descend.

23.99 A pine tree, 15 ins. diam., marked N.B.W.M.I.R. 861,
 which I mark A.P.N.B.W.M.I.R. 861 on S. face B.M.F.R.
 on N.W. face.

Thence I run, continuing measurement from 106 mile cor.,
 S. 72° 32' W., 101 ft. to 862 on S. face,
 Descend.

26.99 Gulch, 1.00 chain wide, course S. 72° 32' W., 101 ft. to 862 on S.
 34.76 A pine tree, 18 ins. diam., marked N.B.W.M.I.R. 862 on S.
 face B.M.F.R. on N.W. face.

A mound of stone, brs. N. 35° W., 1.40 chs. dist.
 A tree marked N.E.R. 37, which I destroy (on line).
 This is top of ridge.

Thence I run, continuing measurement from 106 mile cor.,
 S. 31° 25' W., 101 ft. to 863 on S. face,
 Var. 14° 45' E.

38.76 Descend.

42.12 Ravine, course S. 11° 36' W., 1.00 chs. dist.

Point for 106 1/2 mile cor., which is a sandstone, 18 x 10
 x 8 ins., above ground, marked N.B.W.M.I.R. 106 1/2 M.
 I obliterate marking, and remark, 106 1/2 M. on S. face,
 B.M.F.R. on N.W. face, and a mound of stone, 3
 ft. diam., 2 ft. high, top of cor. from which

A pine tree, 15 ins. diam., brs. N. 37 1/2° W., 28
 lks. dist., marked N.B.W.M.I.R. 106 1/2 M. B.T.

A pine tree, 20 ins. diam., brs. S. 35° W., 127
 lks. dist., marked N.B.W.M.I.R. 106 1/2 M. B.T.

A sandstone, 2 ins. diam., brs. S. 11° 36' W., 57 lks.
 marked N.B.W.M.I.R. 106 1/2 M. B.T.

A pine tree, 15 ins. diam., brs. S. 49° W., 127
 lks. dist., marked N.B.W.M.I.R. 106 1/2 M. B.T.

Thence I run, continuing measurement from 106 mile cor.,
 S. 12° 12' W., 101 ft. to 864 on S. face,
 Var. 14° 45' E.

54.45 Along east side of ridge

A pine tree, 15 ins. diam., marked N.B.W.M.I.R. 864, which
 marking I change to A.P.N.B.W.M.I.R. 864 on S.E. face,
 B.M.F.R. on N.W. face.

A mound of stone, brs. S. 11° 36' W., 1.00 chs. dist.,
 A sandstone, 2 ins. diam., brs. S. 11° 36' W., 57 lks., which I destroy.

Thence I run, continuing measurement from 106 mile cor.,
 S. 11° 36' W., 101 ft. to 865 on S. face,
 Var. 14° 45' E.

56.85 Descend.

60.45 Cross blazed line, brs. E and W.

65.05 Gulch, 1.00 chain wide, course S. 11° 36' W., 1.00 chs. dist.

Tree on line, marked N.B.W.M.I.R. 35, which I destroy

WYOMING RESERVE NORTH BOUNDARY WHERE ADJACENT TO THE NATIONAL RESERVE

chains.

65.45 Top of slope, below which is a 81' ... A S. 12° E.
 67.45 A pine tree, 30 ins. diam., marked N B W M I R 865, which marking I change to A P N B W M I R 865 on E face, B M F R on W face.
 Thence I run, continuing measurement from 106 mile cor., S. 26° 38' W.

71.60 A pine tree, 6 ins. diam., marked N B W M I R 866, which marking I change to A P N B W M I R 866 on E face, B M F R on W face.
 Thence I run, continuing measurement from 106 mile cor., S. 38° 17' W.

76.55 A pine tree, 15 ins. diam., marked W M I R 34 N B 867, which marking I change to A P N B W M I R 867 on SE face, B M F R on NW face.
 Almond of stone, 4 lbs. brs. N. 59° W., 32 lbs. dist.
 Thence I run, continuing measurement from 106 mile cor. S. 8° 15' W.

84.19 Point top 107 mile cor., falls on a sandstone, 18 x 6 x 6, knobby above ground, with mound of stone alongside. Sand marked N B W M I R 107. I substitute marking and mound of stone, and remark.
 107 M. A. P. 868 on N face, B M F R on E face.
 B M F R on W face, and raise a mound of stone, 3 ft. high, 22 ft. high, NW of cor. on line.
 A oak tree, 8 ins. diam., brs. S. 53° 45' E. 48 lbs. dist. marked N B W M I R 107 M B T.
 A pine tree, 18 ins. diam., brs. N. 70° E., 37 lbs. dist. marked N B W M I R 107 M B T.
 A pine tree, 12 ins. diam., brs. N. 70° W., 85 lbs. dist., marked N B W M I R 107 M B T.
 A pine tree, 18 ins. diam., brs. N. 59° W., 83 lbs. dist., marked N B W M I R 107 M B T.

Land, clover, timothy, etc.
 Soil, 3rd rate, stony.
 Timber, heavy pine and oak.
 Mountainous, heavily timbered land, exceptionally difficult to survey.
 Thence I run, S. 11° E.,
 Var. 14° 45' E.

Along crest of ridge.
 11.68 A pine tree, 18 ins. diam., marked N B W M I R 869, which marking I change to A P N B W M I R 869 on E face, B M F R on W face.
 Thence I run, continuing measurement from 107 mile cor., S. 23° 34' E.

22.37 Find a small stone and mound of stone, marked W M I R 33, which marking I destroy, and in mound of stone I set a sandstone, 18 x 6 x 8 ins., which I mark A P N B W M I R 870 on SE face, B M F R on NW face.
 A pine tree, 15 ins. diam., brs. S. 72 1/4° W., 61 lbs. dist., marked A P 870 B T.
 A pine tree, 18 ins. diam., brs. S. 23° W., 75 lbs. dist., marked A P 870 B T.
 Thence I run, continuing measurement from 107 mile cor., N. 72° W.,
 Var. 14° 35' E.

D. K. Deputy

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

- chains Descend.
- 31.12 A pine tree, 18 ins. diam., marked N 80 E M 871, which marking I change to A P B W M I R 872, on E face, B M F R on N. face. Thence I run, continuing measurement from 107th mile cor., N 86° 15' W. Var. 14° 35' E.
- 32.42 Canon, 1.00 chain wide, ascend.
- 39.12 A dead and fallen pine tree, marked N 52 E B 872, which marking I change to A P B W M I R 872 on E face, B M F R on NW face; alongside a mound of stone alongside, from which, a mound of stone, 4 ft. base, by S 16° W like dist., Thence I run, continuing measurement from 107 mile cor., S 1° 14' W. Var. 81° 45' E.
- 42.57 Point for 107 1/2 mile cor., falls on sandstone, 12 x 12 x 36 in. above ground, with mound of stone alongside, marked N B W M I R 107 1/2 M B T. I obliterate markings and mound of stone, and make N B W M I R on E. face, B M F R on W. face, and raise a mound of stone, 23 ft. base, 2 ft. high, N. of cor., from which, a pine tree, 14 in. diam., N 42° W., 47 lks. dist., marked N B W M I R 107 1/2 M B T. A pine tree, 13 in. diam., N 70° W., 44 lks. dist., marked N B W M I R 107 1/2 M B T. A pine tree, 14 in. diam., N 54 1/2° W., 45 lks. dist., marked N B W M I R 107 1/2 M B T. A pine tree, 18 in. diam., S. 58 1/2° W., 48 lks. dist., marked N B W M I R 107 1/2 M B T. Thence I run, continuing measurement from 107th mile cor., S 80° 25' E. Var. 14° 45' E.
- 48.27 A pine tree, 18 in. diam., which marking I change to A P N B W M I R 873 on E. face, B M F R on N. face. Original tree along ridge, dead and fallen. Thence I run, continuing measurement from 107th mile cor., S. 25° 25' E. Var. 14° 45' E.
- 53.23 Along crest of ridge. A pine tree, 12 in. diam., marked N B W M I R 874, which marking I change to A P N B W M I R 874 on E. face, B M F R on W. face. Thence I run, continuing measurement from 107th mile cor., S. 10° 03' E. Var. 14° 43' E.
- 57.40 Along ridge. A pine tree, 15 in. diam., marked N B W M I R 875, which marking I change to A P N B W M I R 875 on E. face, B M F R on W. face. Thence I run, continuing measurement from 107th mile cor., S. 21° 13' E. Var. 14° 45' E.
- 62.59 A pine tree, 6 in. diam., marked N B W M I R 876, which marking I change to A P N B W M I R 876 on E. face, B M F R on N. face. Thence I run, continuing measurement from 107th mile cor., S. 16° 08' W. Var. 24° 45' E.

NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains
65.68 A pine tree, 24 ins. diam., marked W M I R 30 N B 877, which markings I obliterate and remark A P N B W M I R 877, on S. face; B M F R on N. face. A mound of stone, 4 ft. base, brs. N. 15 lks. dist., Thence I run, continuing measure ent. from 107th mile cor. N. 50° 47' W., Var. 14° 5' E.

65.42 A pine tree, 18 ins. diam., marked N B W M I R 878, which markings I change to A P N B W M I R 878, on S. face; B M F R on N. face. Thence I run, continuing measurement from 107 mile cor. N. 84° E., Var. 14° 45' E.

81.22 Descend.
85.46 Cross main canon, 1.00 chain wide, course S.; ascend. Point for the 108th mile cor., falls on a sandstone, 10 x 6 x 12 ins. above ground, with mound of stone along side and marked N B W M I R 108 M. I obliterate markings and mound of stone and remark, 108 M on E face; N B W M I R on S. face; B M F R on N. face, and raise a mound of stone 3 ft base, 2 ft high, E. of cor. on line. A pine tree, 24 ins. diam., brs. N. 52° W., 34 lks. dist., marked N B W M I R 108 M B T. An oak tree, 12 ins. diam., brs. N. 35° E., 52 lks. dist., marked N B W M I R 108 M B T. A pine tree, 24 ins. diam., brs. N. 45° E., 65 lks. dist., marked N B W M I R 108 M B T. A pine tree, 30 ins. diam., brs. S. 41° E., 55 lks. dist., marked N B W M I R 108 M B T.

Band, mountainous.
Soil, stony, 4th rate.
Timber, heavy pine and oak.
Mountainous, heavily timbered land, exceptionally difficult to survey, 85.46 chs.

Thence I run, N. 82° 20' W., Var. 14° 45' E.

Ascend.
4.10 Cross ravine, course SE; ascend.
11.00 Top of ridge.
12.00 A pine tree, 24 ins. diam., marked W M I R 20 N B 879, which marking I obliterate and remark A P N B W M I R 879, on S. face; B M F R on N. face. A mound of stone, brs. S. 55° E., 45 lks. dist. Thence I run, continuing measurement from 108th mile cor., N. 36° 04' W., Var. 14° 45' E.

Along ridge.
24.01 A pine tree, 18 ins. diam., marked N B W M I R 880, which marking I change to A P N B W M I R 880 on S.W. face; B M F R on N. face. Thence I run, continuing measurement from 108th mile cor. N. 8° 48' W., Var. 14° 45' E.

42.46 Point for the 108th mile cor. falls on a sandstone, 12 x 10 x 4 ins., above ground, marked N B W M I R 108 M. I obliterate markings, and remark

RESERVATION

chains
 100 M on S. E. face,
 N B W M I R on S W face,
 B M F R on N E face, and raise a mound of stone,
 3 ft. base, 2 ft. high, S. E. of cor. on line,
 A pine tree, 15 ins. diam., brs. N. 36° E., 24
 lks. dist., marked N B W M I R, 108 M B T.
 A pine tree, 18 ins. diam., brs. S. 86 1/4° E.,
 49 lks. dist., marked N B W M I R, 108 M B T.
 A pine tree, 20 ins. diam., brs. S. 61° W., 60
 lks. dist., marked N B W M I R, 108 M B T.
 A pine tree, 6 ins. diam., brs. S. 72 1/4° W., 26
 lks. dist., marked N B W M I R, 108 M B T.
 Thence I run, continuing measurement from 100 mile cor.,
 N. 8° W.,
 Var. 14° 45' E.
 49.43 A pine tree, 15 ins. diam., marked N B W M I R 881,
 which marking I change to A P N B W M I R 881, on
 S. W. face, B M F R on N. E. face
 Thence I run, continuing measurement from 108th mile cor.,
 N. 68° 03' W.,
 Var. 14° 45' E.
 49.43 Begin descent
 56.33 Canon, 40 lks. wide, course S., ascend
 57.49 A dead oak, marked N B W M I R 882, which I destroy, and
 mark with oak 12 ins. diam., N B W M I R, 882 on
 S. W. face, B M F R on N. E. face, standing close beside dead
 oak, and raise a mound of stone alongside.
 Thence I run, continuing measurement from 108th mile cor.,
 N. 65° 43' W.,
 Var. 14° 45' E.
 61.72 A dead pine tree, 24 ins. diam., marked N B W M I R 883,
 which marking I change to A P N B W M I R 883, on S.
 W. face, B M F R on N. E. face
 A pine tree, 12 ins. diam., brs. S. 43° E., 36
 lks. dist., marked A P 883 B T.
 An oak, 8 ins. diam., brs. N. 62° E., 35 lks. dist
 marked A P 883 B T.
 Thence I run, continuing measurement from 100th mile cor.,
 N. 64° 55' W.,
 Var. 14° 45' E.
 66.72 Top of ridge, brs. N. and S.
 Descend.
 80.35 Canon, 2.00 chs. wide, course S: ascend
 86.22 Point for 100 mile cor., falls on sandstone, 10 x 10 x
 3 ins., above ground, with mound of stone alongside,
 and marked N B W M I R 100 M B T. obliterate markings,
 and mound of stone, and remark
 100 M on S. E. face,
 N B W M I R on S W face,
 B M F R on N E face and raise a mound of
 stone, 3 ft. base, 2 ft. high, S. E. of cor., on line
 An oak tree, 12 ins. diam., brs. S. 43° E., 42
 lks. dist., marked N B W M I R, 100 M B T.
 A pine tree, 18 ins. diam., brs. S. 43° E., 9
 lks. dist., marked N B W M I R, 100 M B T.
 A juniper tree, 10 ins. diam., brs. S. 43° W., 13
 lks. dist., marked N B W M I R, 100 M B T.
 A pine tree, 6 ins. diam., brs. N. 65° W., 21
 lks. dist., marked N B W M I R, 100 M B T.
 Land, mountainous
 Soil, stony, 3rd rate.
 Timber, heavy pine, spruce and oak.
 Mountainous, heavily timbered land, exceptionally dif-
 ficult to survey, 86.22 chs.

KONTAK... BOUNDARY... MOUNTAIN... RESERVATION

chains.

Thence I run,

N. 65° 03' W.,

Var. 14° 45' E.

4.37

A dead pine tree, marked N B W M I R 884, which marks I change to A P N B W M I R 884 on S. face, B M F R

on N. face. A pine tree, 12 ins. diam., brs. S. 65° E., 61 lks. dist., marked A P 884 B T.

An oak, 12 ins. diam., brs. S. 25° E., 41 lks. dist., marked A P 884, B T.

Thence I run, continuing measurement from 109th mile cor.

N. 54° W.,

Var. 14° 45' E.

-5.37

Top of ridge.

7.65

Find tree, marks destroyed by fire, where I set a sandstone, in mound of stone, and mark A P N B W M I R 885 on S. face, B M F R on N. face.

A pine tree, 24 ins. diam., brs. N. 80° W., 44 lks. dist., marked A P 885 B T.

A pine tree, 24 ins. diam., brs. N. 81° W., 50 lks. dist., marked A P 885 B T.

Thence I run, continuing measurement from 109th mile cor.,

N. 75° 15' W.,

Var. 14° 45' E.

16.05

Canon, 1.00 chain wide, course S; ascend.

23.25

A pine tree, 18 ins. diam., marked N B W M I R 886, which marking I change to A P N B W M I R 886 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 109th mile cor. West,

Var. 14° 45' E.

26.25

Top of ridge, extends S; descend.

39.70

Canon, 3.00 chs. wide, both ways; ascend.

42.32

Point for 109 1/2 mile cor., falls on a sandstone, 12 x 6 x 6 ins. above ground, with mound of stone alongside, and marked N B W M I R 109 1/2 M. Obliterate marking and mound of stone, and remark, 109 1/2 M on E. face, N B W M I R on S. face, B M F R on N. face, and raise a mound of stone, 3 ft. base, 2 ft. high. A pine tree, 10 ins. diam., brs. S. 41° E., dist., marked N B W M I R 109 1/2 M B T.

A pine tree, 12 ins. diam., brs. S. 67° W., 13 lks. dist., marked N B W M I R 109 1/2 M B T.

A pine tree, 6 ins. diam., brs. S. 57° W., 9 lks. dist., marked N B W M I R 109 1/2 M B T.

Thence I run, continuing measurement from 109 1/2 mile cor.

N. 87° 30' W.,

Var. 14° 45' E.

44.32

Top of ridge, descend.

45.75

A pine tree, 15 ins. diam., marked N B W M I R 887, which marking I change to A P N B W M I R 887 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 109 1/2 mile cor.

N. 87° 34' W.,

Var. 14° 45' E.

55.55

Canon, 3.00 chs. wide, course S; ascend.

65.44

A pine tree, 18 ins. diam., marked N B W M I R 888, which marking I change to A P N B W M I R 888 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 109 1/2 mile cor.

N. 87° 34' W.,

Var. 14° 45' E.

descend.

RESERVATION.

chains.

Top of ridge.

Thence I run, continuing measurement from 100th mile cor.
S. 0° 30' E.

71.50 Along east brink of ridge. A pine tree, 15 ins. diam., marked N B W M I R 889, which marking I change to P N B W M I R 889 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 109th mile cor.
S. 51° 47' W. Var. 14° 45' E.

81.00 descend.

85.11 Canon, 1.00 chain wide, course S: ascend.

Point for 110 mile cor., 8 x 6 x 6 ins. above ground, marked N B W M I R 110. I oblit-
erate markings and remarks.

08 A mound of stones, 33' base, 22' high, on line, S. 25 1/2° E.

01 A pine tree, 24 ins. diam., marked N B W M I R 110 M B T, 48 lks. dist., marked N B W M I R 110 M B T, A pine tree, 15 ins. diam., marked N B W M I R 110 M B T, 48 lks. dist., marked N B W M I R 110 M B T, A pine tree, 15 ins. diam., marked N B W M I R 110 M B T, 48 lks. dist., marked N B W M I R 110 M B T.

Land mountainous.

Soil, stony; 3rd rate.

Timber, heavy pine and oak.

Mountains heavily timbered, exceptionally difficult to survey.

Thence I run,
S. 31° 24' W.
Var. 14° 45' E.

11.73 A pine tree, 24 ins. diam., marked N B W M I R 891, which marking I change to P N B W M I R 891 on S. face, B M F R on N. face.

with in top of ridge, which extends N and S.

Thence I run, continuing measurement from 110 mile cor.
S. 0° 30' E.

18.92 A pine tree, 14 ins. diam. marked N B W M I R 892, which marking I change to P N B W M I R 892 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 110 mile cor.
S. 0° 30' E. Var. 14° 45' E.

27.67 A pine tree, 24 ins. diam. marked N B W M I R 893, which marking I change to P N B W M I R 893 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 110th mile cor.
S. 0° 30' E. Var. 14° 45' E.

36.73 A pine tree, 24 ins. diam., marked N B W M I R 894, which marking I change to P N B W M I R 894 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 110 mile cor,

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains.

S. 36° 35' W.

Var. 14° 45' E.

40.63 A pine tree 8 ins. diam., which I mark A P N B W M I R 895 on S. face, B M F R on N. face. Original tree destroyed.

Thence I run, continuing measurement from 110 mile cor.

S. 30° 25' W.

Var. 14° 45' E.

41.59 Point for 110 mile cor. falls on a quartz stone, 6 x 6 ins. above ground, with mound of stone alongside, and marked N B W M I R 110 M. I obliterate marks and mound of stone, and remark.

110 M on N E face,

B M F R on N W face, and raise a mound of stone, 3 ft base, 2 ft high, N E. of cor. on line.

A pine tree, 10 ins. diam., brs. S. 47° E.

25 lks. dist., marked N B W M I R 110 M B T

A pine tree, 8 ins. diam., brs. N. 62° W., 17 lks. dist., marked N B W M I R 110 M B T.

A pine tree, 8 ins. diam., brs. S. 4° E., 32 lks. dist., marked N B W M I R 110 M B T

A pine tree, 10 ins. diam., brs. S. 70° W., 37 lks. dist., maked N B W M I R 110 M B T.

October 13, 1906.

--00e --

October 14: 2 At 7 1/2. 30 a.m. 1 m.t., I set off 7° 54' S. on the decl. arc, and 34° 16' N. on the lat arc, and determine a true meridian, with the solar at the 110 mile cor.

Thence I run, continuing measurement from 110 mile cor.

S. 29° 13' W.

Var. 14° 45' E.

43.29 Find a dead pine tree, 6 ins. diam., marked N B W M I R 896, which I destroy, and set a stake 4 x 4 ins x 4 ft long in mound of stone, and mark A P N B W M I R 896 on S. face, B M F R on N. face.

A pine tree, 14 ins. diam., brs. N. 21° W., 19 lks. dist., marked A P 896 B T.

A pine tree, 6 ins. diam., brs. N. 71° E. 14 lks. dist., marked A P 896 B T.

Center peak of three high peaks brs. S. 42° 11' W., Thence I run, continuing measurement from 110th mile cor.

S. 82° 05' W.

Var. 14° 45' E.

Descending abruptly.

55.79 Canon, 50 lks. wide, course S; ascend steep grade.

64.89 A tree marked W M I R 21 N B 897, which I destroy, I set a sandstone, 20 x 6 x 28 ins. in mound of stone, marked A P N B W M I R 897 on S. face, B M F R on N. face.

A pine tree, 12 ins. diam., brs. S. 80° W., 28 lks. dist., marked A P 897 B T.

A pine tree, 14 ins. diam., brs. N. 37° W. 17 lks. dist., marked A P 897 B T.

Top of ridge, extends N. and S.

Thence I run, continuing measurement from 110 mile cor

S. 69° 03' W.

Var. 14° 45' E.

Descending abruptly.

72.69 Canon, 40 lks. wide, course S; ascend.

85.89 Top of ridge, 1/2 m. wide, course S; ascend.

86.28 Point for the 110 mile cor. falls on a sandstone, 16 x 4 x 6 ins., above ground, with mound of stone alongside, and marked N B W M I R 111 M. I obliterate marking and mound of stone, and remark.

chains.

111 M A P 898 on S. E. face.
N B W M I R on S. W. face,
B M P R on N E face, and raise a mound of stone,

3 ft base, 2 ft. High, S E of cor. on line.
A pine tree, 10 ins. diam. brs. 33° E., 40

lks. dist., marked N B W M I R 111 M B T.
A pine tree, 14 ins. diam., brs. 35 lks. dist.

marked N B W M I R 111 M B T.
A pine tree, 12 ins. diam., brs. S. 25° W., 34

lks. dist., marked N B W M I R 111 M B T.
A pine tree, 10 ins. diam., brs. S. 25° W., 34

lks. dist., marked N B W M I R 111 M B T.
A pine tree, 10 ins. diam., brs. S. 17° W., 25 lks.

dist., marked N B W M I R 111 M B T.
A tree marked W M I R 21, which I destroy.

Land, mountainous. Soil, stony, 3rd rate.
Timber, heavy pine and oak.

Mountainous heavily timbered land, exceptionally difficult
to survey, 86.28 chs.

Thence I run, S. 15° W., 15' W.,
S. 15° W., 15' W.,

Descend 1/2 hr.
Descend abruptly.

12.50 Cross canon, 50 lks. wide, ascend S. ascend.
14.00 A pine tree, 30 ins. diam., marked N B W M I R 899,

33.15 which marking I change to A P N B W M I R 899 on S. E.
face, B M P R on N W face.

Top of ridge.
Thence I run, continuing measurement from 111 mile cor.,

S. 14° E.,
Var. 14° 45' E.

along ridge.
A pine tree, 12 ins. diam., marked N B W M I R 900, which

39.37 marking I change to A P N B W M I R 900 on S. E. face,
B M P R on N W face.

A mound of stone, 26° W., 70 lks. dist.,
Also a tree, marked W M I R 29, which marking I destroy.

Thence I run, continuing measurement from 111 mile cor.,
S. 14° 45' W., 14' W.,

43.29 Point for the 111 mile cor falls on sandstone, 12 x
8 x 4 ins., above ground, with mound of stone along-

side, and marked N B W M I R 111 M B T. These markings and mound of stone, and iron mark

111 M A P 901 on N E face, B M P R on N W face,
B M P R on N W face, and raise a mound of stone,

3 ft base, 2 ft. high, N E of cor. on line.
A pine tree, 18 ins. diam., brs. N. 86° E.,

88 lks. dist., marked N B W M I R 111 M B T
A pine tree, 24 ins. diam., brs. S. 47° E.,

76 lks. dist., marked N B W M I R 111 M B T
A pine tree, 26 ins. diam., brs. S. 47° E., 76

lks. dist., marked N B W M I R 111 M B T.
A pine tree, 8 ins. diam., brs. S. 18° W., 15 lks.

dist., marked N B W M I R 111 M B T.
From this cor., Sombrero Butte brs. S. 20° W.

Four peaks of Mt. McDowell brs. S. 41° W.,
Apache mountain, brs. S. 2° 45' W.

Thence I run, continuing measurement from 111 mile cor.,
S. 76° 10' W.,

Var. 14° 45' E.
A pine tree, 8 ins. diam., marked N B W M I R 902

50.61

RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION

chains.

which marking I change to A P N B W M I R 902 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 111 mile cor., S. 51° 18' W.,

Var. 14° 45' E.

Descend.

59.91 Gulch, 50 lks. wide, course S.; ascend.

68.11 Lake of clear, fresh water, 2.00 chs. wide, 150 ft. deep. No other water within five miles.

72.81 Top of ridge, hrs. S.

73.00 Tree marked N M I R 18, which I destroy.

A pine tree, 15 ins. diam., marked N B W M I R 903, which marking I change to A P N B W M I R 903 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 111 mile cor., S. 89° 19' W.,

Var. 14° 45' E.

Descend along ridge.

79.86 A pine tree, 15 ins. diam., marked N B W M I R 904, which marking I change to A P N B W M I R 904 on S. face, B M F R on N. face.

Thence I run, continuing measurement from 111th mile cor.

S. 69° W.,

Var. 14° 45' E.

85.31 Point for the 112th mile cor. falls on a sandstone, 14 x 12 x 3 ins. above ground, marked N B W M I R 112 M I obliterate markings and remark.

Set a sandstone 112 M A P 905 on N E face,

B B W M I R on S E face.

B M F R on N W face, and raise a mound of stone, 3 ft. base, 2 ft. high, N E of cony. on line.

A pine tree, 15 ins. diam., hrs. N. 35° W. 43 lks. dist., marked N B W M I R 112 M B T.

A pine tree, 6 ins. diam., hrs. N. 62½° E.

A pine tree, 35 lks. dist., marked N B W M I R 112 M B T.

A pine tree, 15 ins. diam., hrs. N. 68° E.,

hrs. N. 30 lks. dist., marked N B W M I R 112 M B T.

A pine tree, 14 ins. diam., hrs. S. 50½° E.,

hrs. N. 47 lks. dist., marked N B W M I R 112 M B T.

Land, mountainous.

Soil, stony, 3rd water.

Timber, heavy pine and oak.

Mountains, heavily timbered land, exceptionally

difficult to survey, 65.31 chs. N.

October 14: At noon, I set off 89 N. on the decl. arc and observe the sun on the meridian; the resulting lat. is. 34° 14' N.

Thence I run,

S. 57° 48' W.,

Var. 14° 45' E.

Descend abruptly.

16.50 Canon, 3.00 chs. wide, 300 ft. deep; course S.; ascend.

19.00 Ascend abruptly.

39.15 Top of ridge.

Find a dead and fallen tree, marked N B W M I R 17 N B 906, which I destroy.

Set a sandstone, 18 x 8 x 6 ins. in mound of stone, which I mark A P N B W M I R 906 on S. face, B M F R on N. face.

A pine tree, 225 ins. diam., hrs. N. 30° E.

A pine tree, 18 ins. diam., hrs. N. 20° E.

Thence I run, continuing measurement from 112 mile cor. S. 89° 19' W.,

Var. 14° 45' E.

Along ridge.

41.58 Point for 112½ mile cor., falls on a sandstone, 24 x 18

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MONTEZUMA RESERVE NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains.

A pine tree, 12 ins. diam., brs. N. 22 1/2° W., 35 lks. dist., marked A P 910 B T. Thence Z run, continuing measurement from 113 mile cor., N. 56° 48' W.

33.62 Descend abruptly.
43.11 Point for the 113 1/2 mile cor.

Var. 14° 45' E. Falls on a sandstone place, 18 x 18 x 18 ins. above ground, marked N B W M I R 113 1/2 M B T. I obliterate markings, and remark 113 1/2 M on S E face. N B W M I R on S W face. B M F R on N E face, and raise a mound of stone, 3 ft. base, 2 ft. high, S E of cor. on line.

A pine tree, 36 ins. diam., brs. N. 84° E. 52 lks. dist., marked N B W M I R 113 1/2 M B T. A pine tree, 15 ins. diam., brs. N. 33 1/2° W., 39 lks. dist., marked N B W M I R 113 1/2 M B T. A pine tree, 12 ins. diam., brs. N. 68 1/2° W., 30 lks. dist., marked N B W M I R 113 1/2 M B T. An oak tree, 10 ins. diam., brs. N. 21° E., 24 lks. dist., marked N B W M I R 113 1/2 M B T.

October 14, 1906. At 7 h. 30 m. a.m. I set off 8° 17' S. on the decl arc; and 34° 16' N. on the lat arc, and determine a true meridian with the solar at the 113 1/2 mile cor. Thence I run, continuing measurement from the 113 mile cor. N. 57° 18' W. Var. 14° 45' E. Descend.

48.11 Foot of slope; ravine course S.; ascend.
56.11 Top of ridge. Descend.
65.11 Foot of slope, band, 50 lks. wide, course S. 10° W., ascend.
82.23 Top of ridge. Find a pine tree, 24 ins. diam., 50 lks. to right of line, marked W M I R 114 N B 911, which markings I destroy, and remark A P N B W M I R 911 on S face, B M F R on N. face.

A mound of stone, brs. S. 21° E., 22 lks. dist. Thence I run, continuing measurement from 113 mile cor. S. 51° 51' W. Var. 14° 45' E. Descend abruptly.

86.93 Point for the 114th mile falls on a sandstone, 24 x 20 x 12 ins. set in a mound of stone, marked N B W M I R 114. I obliterate markings, and remark 114 M on S W face. N B W M I R on S W face, and raise a mound of stone, 3 ft. base, 2 ft. high, N E of cor. on line.

A pine tree 15 ins. diam., brs. S. 79° E. 48 lks. dist., marked N B W M I R 114 M B T. A pine tree, 18 ins. diam., brs. S. 59 3/4° E, 45 lks. dist., marked N B W M I R 114 M B T. An oak, 6 ins. diam., brs. N. 78 1/4° E., 68 lks. dist., marked N B W M I R 114 M B T. A juniper tree, 12 ins. diam., brs. N. 82 1/2° E 74 lks. dist., marked N B W M I R 114 M B T.

Land, mountainous. Soil, stony, 3rd rate. Timber, heavy pine, oak and fir. Mountainous, heavily timbered land, exceptionally difficult to survey, 86.93 chs.

Land, mountainous. Soil, stony, 3rd rate. Timber, heavy pine, oak and fir. Mountainous, heavily timbered land, exceptionally difficult to survey, 86.93 chs.

RESURVEY NORTH BOUNDARY WHITE MOUNTAIN INDIAN RESERVATION.

chains.

Thence I run, S. 52° 05' W. 9 A. 1000 ft. Var. 14° 45' E. Descend abruptly.

18.40 Canon, 2.00 chs. wide, course SE; ascend.

28.50 Ravine, course SE; ascend abruptly.

32.00 Point of ridge, extends SE; descend.

41.00 Ravine, course E; ascend.

48.75 Point for the 114 mile cor., falls on limestone in place, 24 x 24 x 18 ins. above ground, with mound of stone alongside, and marked N B W M I R 114 1/2 M. I obliterate markings and mound of stone, and remark, 114 1/2 M on N E face, N B W M I R on S E face, and raise a mound of stone, 3 ft base, 2 ft high, N E of cor. on line.

An oak, 10 ins. diam., brs. N. 47° E., 20 lks. dist. marked N B W M I R 114 1/2 M B T

An oak, 6 ins. diam., brs. N. 75° E., 42 lks. dist. marked N B W M I R 114 1/2 M B T.

An oak, 3 ins. diam., brs. N. 39° W., 19 lks. dist., marked N B W M I R 114 1/2 M B T.

An oak, 10 ins. diam., brs. N. 21° W., 30 lks. dist., marked N B W M I R. 114 1/2 M B T

Thence I run, continuing measurement from 114 mile cor. S. 52° 05' W. 1000 ft. Var. 14° 45' E. Ascend abruptly

56.87 A dead pine tree, 18 ins. diam., marked N B W M I R 912, which marking I change to A P N B W M I R 912 on S E face, B M F R on N W face.

A pine tree, 20 ins. diam., brs. S. 92° W. 45 lks. dist., marked A P 912 B T

A pine tree, 15 ins. diam., brs. S. 77° W. 10 lks. dist., marked A P 912 B T

Thence I run, continuing measurement from 114 mile cor. S. 55° 38' W. Var. 14° 45' E. Descending along ridge

70.08 A pine tree, 30 ins. diam., marked N B W M I R 913, which marking I change to A P 913 on S E face, B M F R on N W face.

Thence I run, continuing measurement from 114 mile cor., S. 16° 15' W., Var. 14° 45' E.

Along ridge.

Point for the 115 mile cor., falls on a quartz stone, 18 x 12 x 8 ins. above ground, with mound of stone alongside, and marked N B W M I R 115 M. I obliterate markings and mound of stone, and remark, 115 M on N E face, N B W M I R on S E face, B M F R on N W face, and raise a mound of stone 3 ft base, 2 ft high, N E of cor. on line.

A pine tree, 12 ins. diam., brs. N. 51° E. 27 lks. dist. marked N B W M I R 115 M B T.

A pine tree, 14 ins. diam., brs. N. 89° E. 19 lks. dist., marked N B W M I R 115 M B T.

A pine tree, 10 ins. diam., brs. S. 59° E. 15 lks. dist., marked N B W M I R 115 M B T

A pine tree, 6 ins. diam., brs. S. 27 1/2° E. 22 lks. dist., marked N B W M I R 115 M B T

Land, mountainous and heavily timbered, exceptionally difficult to survey, 84.35 chs.

NO. 7. TERRITORY NORTH BOUNDARY WITH MOUNTAIN INDEX OBSERVATION

chains

October 15: At noon, I set off, 8° 23' S. on the decl arc, and observe the sun on the meridian; the resulting lat. is 34° 14' N.

Thence I run, S. 43° 30' W., Var. 14° 45' E.

0.90 A pine tree, 30 ins. diam., marked N B W M I R 914, which marking I change to A P 914 on S E face, B M F R on N. W. face.

Thence I run, continuing measurement from 115 mile cor. S. 67° 25' W., Var. 14° 45' E.

descend.

30.90 Ravine, course S. W.

33.50 Cross same ravine.

34.90 Cross canon, 2.00 chs wide, course S; ascend.

42.80 Point for 115 1/2 mile cor. Falls on sandstone 18 x 10 x 4 ins. above ground, with mound of stone alongside, marked N B W M I R 115 1/2 M B T. I obliterate markings and mound of stone, and remark, 115 1/2 M on S. face,

N B W M I R on E. face,

B M F R on N. W. face, and raise a mound of stone, 3 ft base, 2 ft. high, N. E. of cor. on line.

A pine tree, 6 ins. diam., brs. S. 43° E., 24 lks dist.; marked N B W M I R 115 1/2 M B T.

A pine tree, 15 ins. diam., brs. E. 33 lks. dist., marked N B W M I R 115 1/2 M B T.

A pine tree, 14 ins. diam., brs. N. 26° W., 31 lks. dist., marked N B W M I R 115 1/2 M B T.

A pine tree, 8 ins. diam., brs. N. 51 1/4° W., 32 lks. dist., marked N B W M I R 115 1/2 M B T.

Thence I run, continuing measurement from 115 mile cor. S. 52° 05' W., Var. 14° 50' E.

Ascend.

56.80 Top of slope.

57.62 A dead pine tree, marked N B W M I R 915, which marking I change to A P N B W M I R 915 on S E face, B M F R on N. W. face.

A pine tree, 20 ins. diam., brs. N. 15° E., 25 lks. dist., marked A P 915 B T.

A pine tree, 15 ins. diam., brs. S. 35° E. 15 lks. dist., marked A P 915 B T.

Thence I run, continuing measurement from 115 mile cor. S. 48° 23' E., Var. 14° 45' E.

Descend.

62.99 A juniper tree, 30 ins. diam., marked N B W M I R 916, which marking I change to A P N B W M I R 916 on SW face, B M F R on NW face.

Thence I run, continuing measurement from 115 mile cor., N. 79° W., Var. 14° 45' E.

70.59 At canon, 50 lks. wide, course S; ascend.

79.83 A pine tree, 28 ins. diam., marked N B W M I R 917, which marking I change to A P N B W M I R 917 on S W face, B M F R on N E face.

Top of ridge.

Thence I run, continuing measurement from 115 mile cor., N. 16° 53' E., Var. 14° 45' E.

85.15 Point for 116 mile cor. Falls on sandstone, 15 x 15 x 122 ins. above ground, with mound of stone alongside, and marked N B W M I R 116 M. I obliterate marking and mound of stone, and remark, 116 M on S. face, N B W M I R on W. face, B M F R on E. face, and raise a mound of stone, 3 ft base, 2 ft. high, S. of cor. on line.

NO. TAUGHT-BEQUIST-NORTH BOUNDARY-CHIEF MOUNTAIN INDIAN RESERVATION.

chains.

A pine tree, 24 ins. diam., brs. S. 85° W. 15 lks. dist., marked N B W M I R 116 M B T,
 A pine tree, 15 ins. diam., brs. N. 40° E., 59 lks. dist., marked N B W M I R 116 M B T.
 A pine tree, marked N B W M I R 116 M B T, 10 ins. diam., brs. S. 60 1/4° E. 59 lks.
 A pine tree, 12 ins. diam., brs. N. 7 1/2° W. 44 lks. dist., marked N B W M I R 116 M B T.
 Land, mountainous.
 Soil, stony, 3rd rate.
 Timber, heavy pine and oak.
 Mountainous, heavily timbered land, exceptionally difficult to survey, 85.15 chs.

Thence I run,

N. 11° 18' E.

Var. 14° 50' E.

A dead pine tree, 30 ins. diam., marked N B W M I R 918, which marking I change to A P N B W M I R 918 on S W face, B M F R on N E face.

I raise a mound of stone alongside, from which,

A pine tree, 20 ins. diam., brs. S 14 1/4° E, 32 lks. dist., marked A P N B W M I R 918 B T

A pine tree, 18 ins. diam. brs. S 33 1/2° E, 35 lks. dist., marked A P A P N B W M I R 918 B T.

Thence I run, continuing measurement from 116 mile cor., N. 129° 30' W. 1/2 dist., marked A P A P N B W M I R 918 B T.

Var. 14° 45' E. W

Ascending along ridge

12.35 Mound of stone 4 ft. base, on line.

15.40 A pine tree, 14 ins. diam., marked N B W M I R 919,

which marking I change to A P N B W M I R 919 on W face, B M F R on E face.

Thence I run, continuing measurement from 116 mile cor,

N. 6° 14' W.

Var. 14° 45' E.

Descend.

19.80 Canon, spur S W, ascend.

42.54 Top of ridge

Point for 116 1/2 mile cor. falls on sandstone, 6 x 4 x 12

ins. above ground, with mound of stone alongside, and

marked N B W M I R 116 1/2 M B T. I obliterate markings, and

mound of stone, and re-mark

116 1/2 M A P 920 on S face,

N B W M I R on W face,

B M F R on E face, and raise a mound of stone,

3ft base, 2 ft. high, S. of cor. skyline.

An oak, 12 ins. diam., brs. W 24 lks. dist., marked

N B W M I R 116 1/2 M B T.

A juniper, 10 ins. diam., brs. N 54 1/2° E., 60 lks

dist., marked N B W M I R 116 1/2 M B T

A pine tree, 20 ins. diam., brs. S. 60 1/2° E., 85

lks. dist., marked N B W M I R 116 1/2 M B T.

A pine, 15 ins. diam., brs. S. 39 1/4° W., 82 lks

dist., marked N B W M I R 116 1/2 M B T.

A mound of stone, brs. W. 8° 40' W. 40 lks. dist.

Thence I run, continuing measurement from 116 mile cor.

N. 26° 41' E.

Var. 14° 50' E.

Ascending along crest of ridge.

53.38 A pine tree, 12 ins. diam., marked N B W M I R 921,

which marking I change to A P N B W M I R 921 on SW

face, B M F R on E face.

Thence I run, continuing measurement from 116 mile cer.

N. 36° E.

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chains.

59.64 Original tree destroyed by fire. I mark a pine tree, 30 ins. diam., standing beside original tree, A.P.N.B.W.M.I.R 922 on W face, B.M.F.R on E face.
Thence run, continuing measurement from 116 mile cor., N. 46° 50' E.,
Var. 14° 50' E.

72.16 A pine tree, 15 ins. diam., I mark A.P.N.B.W.M.I.R 923 on W face, B.M.F.R on E face, near old tree. Original tree destroyed by fire.
Thence run, continuing measurement from 116 mile cor., N. 28° 44' E.,
Var. 14° 50' E.

80.02 A pine tree, 18 ins. diam., marked V.I.N.B. 924, which markings I destroy, and remark A.P.N.B.W.M.I.R 924 on W face, B.M.F.R on E face.
A mound of stone, 4 ft base, brs. S. 62° E., 15 lks. dist.
Thence I run, continuing measurement from 116 mile cor. N. 17° 45' E.,
Var. 14° 50' E.

82.91 Point for the 117 mile cor., falls on a sandstone, 12 x 18 x 13 ins. above ground, with found of stone alongside, and marked A.P.N.B.W.M.I.R 117 M. All obliterate markings, and mound of stone, and remark, 117 M. on S. face, N.B.W.M.I.R on W. face, B.M.F.R. on E. face, and raise a mound of stone, 43 ft base, 2 ft high, S. of cor. on line.
A pine 14 ins. diam., brs. N. 66 1/2° W., 21 lks dist., marked N.B.W.M.I.R 117 M.B.T.
A pine 18 ins. diam., brs. S. 66° E., 76 lks. dist. marked N.B.W.M.I.R 117 M.B.T.
A pine tree, 14 ins. diam., brs. N. 82 1/2° E., 82 lks. dist., marked N.B.W.M.I.R 117 M.B.T.
A pine, 10 ins. diam., brs. N. 37 1/2° W., 15 lks. dist., marked N.B.W.M.I.R 117 M.B.T.

Land, mountainous.
Soil, stony, Bra rate.
Timber, heavy pine, fir and oak.
Mountainous, heavily timbered land, exceptionally difficult to survey, 82-91 chs.

Thence run, N. 11° 31' E.,
Var. 14° 50' E.

Descend abruptly.
Ravine, 20 lks wide, course W; ascend abruptly.

13.00 Top of ridge.
15.75 A pine tree, 14 ins. diam. marked W.M.I.R.N.B. 925, which markings I destroy, and remark A.P.N.B.W.M.I.R 925 on W face, B.M.F.R on E. face.

October 15, 1906.

Oct. 16: At 7h. 50m, a.m. I set off 8° 39' N. on the decl. arc, and 17° N. on the lat. arc, and determine true meridian with the solar at the 925 angle.
Point 811 N.I.W.M.I.R.

Thence run, continuing measurement from 117 mile cor., N. 39° 17' E.,
Var. 14° 50' E.

24.65 Canon, 50 lks. wide, course W. ascend.

32.12 Find a pine tree 16" diam. on line marked N.B.W.M.I.R 926, which I destroy, and remark A.P.N.B.W.M.I.R 926 on W. face.

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Chains.

which marking I change to A P N B W M I R 926 on N
 face, B M F R on S face,
 Mound of stone, 3 ft. base, N. 77° W., 34 lks. dist.
 Top of ridge.
 Thence I run, continuing measurement from 117 mile cor.
 N. 58° 16' E.,
 Var. 14° 50' E. N. 100° 00' W.
 Along top of ridge...
 040.22 A pine tree, 18 ins. diam., marked N B W M I R 927,
 which marking I change to A P N B W M I R 927 on W.
 face, B M F R on E. face.
 Thence I run, continuing measurement from 117 mile cor.
 N. 29° 30' W.,
 Var. 14° 50' E. N. 100° 00' W.
 429.48 Point for the 117 1/2 mile cor., falls on sandstone, 12 x
 12 x 4 ft. above ground, marked N B W M I R 117 1/2 M
 I obliterate marking and remark
 117 1/2 M on S face,
 N B W M I R on W face,
 B M F R on E. face, and raise a mound of stone,
 3 ft base, 2 ft. high, S. of cor. on line.
 A pine, 10 ins. diam., brs. S. 75° E., 24 lks.
 dist., marked N B W M I R 117 1/2 M B T.
 A pine, 11 1/2 ins. diam., brs. N. 65 1/2° E., 29
 lks. dist., marked N B W M I R 117 1/2 M B T.
 A pine, 18 ins. diam., brs. N. 130° E., 28
 lks. dist., marked N B W M I R 117 1/2 M B T.
 A pine, 8 ins. diam., brs. N. 130 1/4° W., 38 lks.
 dist., marked N B W M I R 117 1/2 M B T.
 Thence I run, continuing measurement from 117 mile cor.
 N. 19° 46' W.,
 Var. 14° 50' E. N. 100° 00' W.
 Descend
 61.13 Canon, 2.00, ch. wide, course WSW, ascend.
 62.13 Road tip Rimer's ranch on Canon Creek, brs. SSW and NNE.
 76.93 Top of ridge
 81.95 Head and fallen tree, marked N B W M I R 928, which
 I destroy.
 82.08 I mark a sandstone, 18 x 12 x 12 ins. above ground,
 A P N B W M I R 928 on S. face, B M F R on N. face, and
 I raise a mound of stone beside it. From this cor.
 A pine tree, 13 ins. diam., brs. N. 30° W., 45
 lks. dist., marked A P 928 B T
 A pine tree, 24 ins. diam., brs. S. 60 1/2° E., 70 lks.
 dist., marked A P 928 B T.
 Thence I run, continuing measurement from 117 mile cor.,
 N. 16° W.,
 Var. 14° 50' E. N. 100° 00' W.
 84.36 Point for the 118th mile cor., falls on sandstone, 18
 x 8 x 6 ins. above ground, marked N B W M I R 118 M,
 I obliterate markings, and remark
 118 M A P 929 on S. face,
 N B W M I R on W. face,
 B M F R on E. face, and raise a mound of stone,
 3 ft base, 2 ft. high, S. of cor. on line.
 A pine tree, 10 ins. diam., brs. S. 25 1/2° E., 53
 lks. dist., marked N B W M I R 118 M B T.
 A pine tree, 6 ins. diam., brs. S. 57° W., 50 lks.
 dist., marked N B W M I R 118 M B T.
 A pine tree, 12 ins. diam., brs. S. 60 1/2° W.,
 52 lks. dist., marked N B W M I R 118 M B T.
 A pine tree, 14 ins. diam., brs. N. 70 1/4° W.,
 27 lks. dist., marked N B W M I R 118 M B T.
 Land, mountainous.
 Soil, stony, 3rd rate.
 Timber, heavy pine and oak.
 Mountainous, heavily timbered land, exceptionally dif-
 ficult to survey, 84.36 chs.

chains.

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- 2.81 Thence I run,
N. 10° 25' W.,
Var. 14° 45' E,
A dead and fallen pine tree, marked W M I R N B 930,
and mound of stone, 5 ft. base. I destroy markings, and
mark a sandstone, 24 x 18 x 3 ins., and set in a mound
of stone, marked A P N B W M I R 930, on S face, B M F R
on N. face, from which,
A pine tree, 6 ins. diam., bears West, 48 lks.
dist., marked A P 930 B T.
A pine tree, 24 ins. diam., brs. N. 58°
E. 59 lks dist., marked A P 930 B T.
- Thence I run, continuing measurement from 118 mile cor.,
N. 29° 38' W.,
Var. 14° 45' E.
- 8.81 Descend abruptly.
- 21.81 Cañon, 500 ft. deep, course S; ascend abruptly.
- 27.81 Perpendicular ascent.
- 34.21 A pine tree, 18 ins. diam., marked M M on N, N B W M I R
931 on S W face, and W M I R 3, on NE face. I destroy
these markings, and remark A P N B W M I R 931 on SW.
face, B M F R on NE. face.
A mound of stone, 4 ft. base, brs. S. 56° E., 12
lks dist.
A mound of stone, 4 ft. base, brs. S. 72° W.,
48 lks. dist.
Remond's ranch brs. S. 67° 15' W.
- Thence I run, continuing measurement from 118 mile cre.
N. 60° 12' W.,
Var. 14° 45' E.
- descending abrupt slope.
- 43.40 Point for the 118 1/2 mile cor., falls on a sandstone in
place, 24 x 24 x 18 ins. above ground, with mound
of stone, alongside, and marked with cross (x) for
exact cor. point, and N B W M I R 118 1/2 M. I ob-
literate the markings, and mound of stone, and remark
W M I R 118 1/2 M on NE face,
and raise a mound of stone, 3 ft. base, 2 ft.
high, S E of cor., on line.
A pine tree, 48 ins. diam., brs. N. 60 1/2° E., 32
lks. dist., marked N B W M I R, 118 1/2 M B T
A pine tree, 24 ins. diam., brs. N. 52° W., 51
lks. dist., marked N B W M I R 118 1/2 M B T.
A pine tree 36 ins. diam., brs. N. 14 1/2° E. 71
lks. dist., marked N B W M I R 118 1/2 M B T.
A pine tree, 24 ins. diam., brs. S. 36 1/2° W 80
lks. dist., marked N B W M I R 118 1/2 M B T.
- Thence I run, continuing measurement from 118 mile cor
W 62° 38' W,
Var. 14° 45' E.
- Descend.
- 45.00 Cross cañon, 50 lks. wide, course S; ascend.
- 56.20 Top of slope, thence along top of ridge.
- 55.00 Point for the 119 mile cor. falls on a sandstone in place
36 x 24 x 18 ins. above ground, with mound of stone
alongside, and marked with cross (x) for exact mile
point, and N B W M I R 119 M. I obliterate the
marking and mound of stone; and remark,
119 M on NE face,
N B W M I R on S W face,
B M F R on N E face, and raise a mound of
stone, 3 ft. base, 2 ft. high, S E of cor. on line.
A juniper tree, 24 ins. diam., brs. S. 30 1/2° E.
22 lks. dist., marked N B W M I R 119 M B T
A spruce 12 ins diam., brs. N. 85 1/2° E., 28
lks. dist., marked N B W M I R 119 M B T
A juniper tree, 24 ins. diam., brs. N. 51° W, 39
lks. dist., marked N B W M I R 119 M B T
A juniper tree, 20 ins. diam., brs. S. 41° 45' W
35 lks. dist., marked N B W M I R 119 M B T.

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chains

Land, mountainous.

Soil, stony, 3rd rate.

Timber, heavy pine, oak, juniper and spruce.

Mountains heavily timbered land, exceptionally difficult to survey.

Rancho of Ranero's ranch, bears S. 43° W. 47' 30" to base of mountain peak of McDowell Mts. S. 36° 45' W. to top of mountain.

... ..

... ..

... ..

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... ..

10.20 Descend.

20.00 Cross canon, 50 lks wide, course S. ascend top of slope.

27.00 A dead pine tree, 24 ins. diam., marked N. B. W. M. I. R. 932, which marking I destroy. In blaze a pine tree, 40 lks. to right of 119th mile cor. marked N. B. W. M. I. R. 932, on S. and B. M. F. R. of These Mts. Continuing measurement from 119 mile cor. N. face of Mts. S. 65° W. 14' 45" E. to top of mountain.

33.00 Find a dead and fallen tree marked N. B. W. M. I. R. 933, which I destroy.

38.00 Mark a sandstone place, 40 x 24 x 12 ins. above ground, with cross (x) for exact angle point, and A. P. N. B. W. M. I. R. 933 on S. face, and B. M. F. R. on N. face, and

43.00 A false mound of stone, alongside, from which, A pine tree, 12 ins. diam., bears N. 10° W., 42 lks. dist., marked A. P. 933 B. T.

48.00 A pine tree, 15 ins. diam., bears N. 33 1/4° W., 65 lks. dist., marked A. P. 933 B. T.

53.00 These Mts., continuing measurement from 119 mile cor. to (k) on N. 80° W. 31 lks. dist., marked A. P. 934 B. T.

58.00 A mound of stone, 5 ft. base, 4 ft. high, and a dead pine tree, marked N. W. Cor. W. M. I. R. 933 N. B. I. R. 934. I destroy these markings and mark

63.00 A sandstone, 24 x 18 x 12 ins. set in mound of stone, N. B. W. M. I. R. 934, on S. and B. M. F. R. on N. faces, from which

68.00 A pine tree, 25 ins. diam., bears N. 80° W. 31 lks. dist., marked A. P. 934 B. T.

73.00 A pine tree, 25 ins. diam., bears N. 38° W., 36 lks. dist., marked A. P. 934 B. T.

78.00 These Mts., continuing measurement from 119th mile cor. to (l) on N. 80° W. 31 lks. dist., marked A. P. 934 B. T.

83.00 A sandstone, 24 x 18 x 4 ins. above ground, and firmly set in the ground, marked N. W. Cor. W. M. I. R. 119 1/2 M., with mound of stone, 5 ft. base, 3 ft. high, W. of

88.00 A pine tree, 24 ins. diam., bears S. 62 1/2° W., 46 lks. dist., marked N. W. Cor. W. M. I. R. 119 1/2 M. B. T.

93.00 A pine tree, 18 ins. diam., bears S. 64° 10' E., 24 lks. dist., marked N. W. Cor. W. M. I. R. 119 1/2 M. B. T.

98.00 (A) pine tree, 14 ins. diam., bears N. 11° 45' E., 63 lks. dist., marked N. W. Cor. W. M. I. R. 119 1/2 M. B. T.

103.00 A pine tree, 18 ins. diam., bears N. 18° 35' W., 129 lks. dist., marked N. W. Cor. W. M. I. R. 119 1/2 M. B. T.

108.00 The second peak from the north of the Four McDowell peaks, bears S. 36° 10' W. to base of mountain.

113.00 The west building of Ranero's ranch bears S. 36° 43' W., at this cor. October 16, 1906, at 2h. 30m. p.m., 1 m.t., I set off 8° 48' S. on the declivity and 54° 17' 30" N. on the flat. I also and determine a true meridian with the solar.

118.00

123.00

128.00

133.00

138.00

143.00

148.00

153.00

158.00

163.00

168.00

chains.

BOOK 2070

185

Thence I run,

South on a blank line over abrupt point of cliff. I find a blazed line and monuments thereon. I run south to the top of a high ridge, from which Sombrero or Plemose Butte is visible, and find that the N W cor. of the White Mountain Indian Reservation as located by Deputy Wallace in 1887, and re-established by me in its original position, is due north of Sombrero or Plemose Butte.

December 1, 1906.

GENERAL DESCRIPTION.

The line of this survey follows in general, the south edge of the Black Mesa near the divide between the waters of the Little Colorado and Salt Rivers. The first twelve miles run over Bald Mountain, at a general elevation of 10,000 feet, through dense heavy fir and spruce. Descending from this mountain, the line crosses through a rolling plateau for ten miles part of which is open land covered with fine native grass, the soil being a fine loam, very fertile. There is plenty of water in several small lakes which are the heads of the Little Colorado and Salt Rivers. This region is the best grazing land in Arizona. Beyond, the line passes over a rolling mesa, gradually descending through heavy pine and scattering oak timber to about the 70th mile corner where it strikes a limestone country, covered with scrub oak and pine and manzanita. The last twenty miles, the line leaves the "Rim" and cuts across the points of the sharp ridges pointing to the south. Part of this is almost impassable. The heavy timber and undergrowth through which most of the line passes made it very difficult to survey. All of the original angle points and mile corners as established by Wallace in the original survey, I re-established, and blazed heavily the entire line, so that it can be readily followed.

Jesse B. Wright
U. S. Deputy Surveyor.

Thence I run, South on a black line over a point of cliff. I find a black line and monument hereon. I run south to the top of a hill ridge, from which Romero & Pinosco Range is visible, and find that the W. cor. of the White Mountain Indian Reservation is located by Deputy Wallace in 1887, and re-established by me in its original position, to the north of Romero or Pinosco Range.

December 1, 1908.

GENERAL DESCRIPTION.

The line of the survey follows in general, the south edge of the Black Mesa near the divide between the west-ers of the Little Colorado and Salt Rivers. The divide twelve miles over Bald Mountain, at a distance of 10,000 feet, through dense heavy timber. Describing from this mountain, the line crosses through a rolling plateau for ten miles part of which is open land covered with fine native grass, the soil being a fine loam, very fertile. There is a heavy water in several small lakes which are on the divide of the Little Colorado and Salt Rivers. The reason is the best grazing land in Arizona. Beyond, the line passes over a rolling mesa, gradually descending through heavy pine and scattered oak timber to about the 7000 mile corner where it strikes a limestone ridge, covered with scrub oak and pine and manzanita. The last two miles of the line leaves the "Rim" and runs across the foot of the sharp ridge to the south. Part of this is almost impassable. Heavy timber and undergrowth through which west of the line passes made it very difficult to survey. All of the original angle points and mile corners as established by Wallace in the original survey, I re-established, and placed heavily the entire line, so that it can be readily followed.

U. S. Deputy Surveyor.

LIST OF NAMES

BOOK 2070

A list of the names of the individuals employed by Jesse B Wright
a, United States Deputy Surveyor, to assist in running, measuring, and

marking the lines and corners described in the foregoing field notes of the survey of The
North bdy of the White Mountain Indian Reservation

showing the respective capacities in which they acted:

Leslie C Millar, Chairman.

Arthur Pogue, Chairman.

Moundman.

Moundman.

John Lewis, Axman.

Albert L Penrod, Axman.

James A Penrod, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Jesse B Wright
United States Deputy Surveyor, in surveying all

those parts or portions of the North bdy of the White Mountain
or San Carlos Indian Reservation

between rps 15 to 27E inclusive

of the Gila &
Salt River meridian, of Arizona, which are represented

in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor

General for Arizona

Leslie C Millar, Chairman.

Arthur Pogue, Chairman.

Moundman.

Moundman.

John Lewis, Axman.

Albert L. Penrod, Axman.

James A Penrod, Flagman.

Subscribed and sworn to before me this 18th
day of Oct, 1906



Jesse B Wright
U. S. Dep. Surveyor

BOOK I, 2070

Jesse B. Wright, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 6 day of August, 1906, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The north boundary of the San Carlos or White Mountain Indian Reservation from the North East to the North West corners

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of the meridian, in the of the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Jesse B. Wright United States Deputy Surveyor.

Subscribed by said Jesse B. Wright, and sworn to before me this 14th day of November, 1906

Allan D. Jaynes CLERK U.S. DISTRICT COURT FOR FIRST JUDICIAL DISTRICT, ARIZONA.



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz; January 14, 1909

The foregoing field notes of the survey of the North Bdy. of the White Mountain Indian Reservation through Ranges 15 to 27 E. inclusive of the Gila and Salt River Base and Meridian, in the Territory of Arizona.

executed by Jesse B. Wright U.S. deputy surveyor under his contract No. 141, dated August 6, 1906, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described survey, has been correctly copied from the original notes on file in this office.

United States Surveyor General.