

Book No. 1890

Book No. 1891

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1965

BOOK 1965

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BOOK 1965

4-671

1965

1965

FIELD NOTES

GENERAL LAND OFFICE

West Boundary

White Mountain South

Reservation

By John C. Smith - D.S.

Contract No. 12

May 16, 1890

1965

11/10
BOOK 1965 *Books* **BOOK** 1965 *Pages*

1	---	11
2	---	15
3	---	18
4	---	21
5	---	24
6	---	27
7	---	30
8	---	33
9	---	36
10	---	39
11	---	42
12	---	45
13	---	48
14	---	51
15	---	54
16	---	57
17	---	59

4. Books - Rec. Oct 10, 1890

H.P.

See Amended West
Boundary of the White
Mt. Ind. Res.

BOOK 1965

BOOK 1965

Preliminary Oaths of Assistants.

We, T. Clemons
and John W. Hibson
do solemnly swear that we will faithfully execute
the duties of Chain Carriers; that we will level the
chain upon uneven ground, and plumb the tally
pins, whether by sticking or dropping the same;
that we will report the true distance to all notable
objects, and the true length of all lines that we as-
sist in measuring, to the best of our skill and
ability.

T. Clemons Chairman

John W. Hibson Chairman

Sworn to and subscribed before me, this 18th
day of Jan, 1892

John C. Smith
U.S. Dept. Sur.

BOOK 1965

1A

We, Fred W. Lattin, C. H. Baker

C. H. Smith and H. B. Christy

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

according to instructions given us, and to the best of our skill and ability.

Flagman
Flagman
Armen {

Fred W. Lattin

C. H. Baker

C. H. Smith

H. B. Christy

Sworn to and subscribed before me this 28th

day of June 1890

John C. Smith
U.S. Dept. Sur.

Field Notes of the 18

Survey of the BOOK 1965

West Boundary of the
White Mt. Indian Reservation

By John C. Smith U.S. D.S.

Under contract ^{no. 12} Dated May 16th 1890

Survey commenced June 28th 1890
" completed Aug. 6th 1890

For final notes see Book H

List of Assistants

John W. Wilson chairman

J. Clemons "

C. H. Smith. arman

H. B. Christy "

C. H. Baker Flagman

Fred Lattin "

West Boundary

The instrument used in making this survey was an engineer transit with improved solar attachment, made by Jas. H. Quinn & Co of Philadelphia Pa., and was inspected and approved by the Surveyor General's Office in Tucson before commencement of survey.

Since my former report concerning the bearing tree described by Mr. Paul Reicher, I learned that it was destroyed by lightning some years ago.

By making diligent

White Mt. Ind. Reservation

search I found the stump covered with sand. From evidence gathered from settlers in the vicinity I decided it to be the proper tree; it also was the nearest tree from the point between the rivers.

Therefore I measure N. 50° W. 81 lbs. for the true Cor. but as this point comes in the edge of the water I established a 2nd Cor. by measuring S. 56° 25' E. 130 lbs. This being at the base of a Willow tree 2 1/2 in. in diam. I set a Granite stone 18x14x12 ins. 12 ins. in the ground

Nest Boundary

for S.W. Cor. marked N.M.I.R.
 S.W. Cor. N.C. $\frac{1}{2}$ S. br. N. 56° 20' W. 130 lbs.
 and raised
 a mound of stones 2 1/2 ft
 high 5 ft base all around
 I also marked the tree.

N.M.I.R. S.W. Cor N.C.

from which a

Willow tree 18 ins. in diam.

brs. S. 49° W. 200 chs. dist.

marked S.W. Cor. N.M.I.R.

B.T.

A. willow tree 20 ins in
 diam. brs. N. 80° 30' W. 39 lbs
 marked S.W. Cor. N.M.I.R. B.T.

A. willow tree 17 ins. in
 diam. brs. N. 28° W. 164 lbs
 dist. marked S.W. Cor
 N.M.I.R. B.T.

A. willow tree 20 ins. in
 diam. brs. N. 10° 30' W.

White Mt. Ind. Reservation,

147 links dist. marked
S.M. Cor. N. M. I. R.
B. T.

From the tree point in
the river, the same trees
have the following bearings

A. willow ^{tree} 17 ins. in diam. brs.

N. $25^{\circ}40'E$. 73 lks. ^{dist.} (previously marked)

A willow ^{tree} 20 ins. in diam.

brs. N. $47^{\circ}30'E$. 111 lks. dist.

previously marked -

A willow tree 20 ins. in

diam. brs. S. $46^{\circ}20'E$.

95 lks. dist. previously
marked -

A willow tree 18 ins. in

diam. brs. S. $12^{\circ}N$. 210

lks. dist. previously
marked.

West Boundary

The reason for establishing a Nit. Cor. will become apparent, when it is known that the Rivers rise to such a height as to submerge some of the boundary trees above the markings; which was the condition of the Rivers on my return.

This also indicates the necessity of marking a tree for Nit. Cor. as well as a stone which I did.

On the night of June 28. I took an observation on Polaris by observing

White Mt. Ind. Reservations

the eastern elongation
 which occurred at
^{hr.} 12. ^{min.} 47.30 ^{astronomical} ^{time} and I drove
 pickets on the line
 and in the morning
 I observe the magnetic
 Va. to be $12^{\circ} 15' E$.

From the course of my
 random line viz: $N 10^{\circ} 45' E$
 I subtract the azimuth
 of the star $1^{\circ} 31'$ which leaves
 $9^{\circ} 14'$ which is the angle
 I turn to the right, from
 the position as clamped
 last night.

Then I run $N. 10^{\circ} 45' E$
 with a Variation of $12^{\circ} 45' E$
 for 36 miles and 35
 chains, where I arrive
 at a point East of

West Boundary

Chrome Butte or Peak
 Thence I proceeded to
 obtain information as
 to which is the
 correct Butte.

I took the sworn
 testimony of a
 number of the
 best posted and ^{most} prominent
 citizens of Globe
 and vicinity, which
 accompanies these notes.
 There is no doubt, but
 what the Butte I
 selected ~~being~~ ^{is} the
 correct one.

Therefore I measure
 from the point at the
 end of the railroad line
 to the highest point

White Mt. Ind. Reservation

on Chrome Butte and
 find it to be 122.63
 chains, here I set a
 "Malpais rock 18x17x9 ins.
 12 ins. in the ground
 for cor. on Chrome Butte,
 marked on N. + S. sides

N. M. I. R. N. B. C. P. Δ

and raised a mound
 of stones 5ft. high 5 $\frac{1}{2}$ ft. base
 alongside. From which

a Juniper tree 37 ins. in diam
 brs. N. 62° E. 268 lbs. ^{dist} marked
 N. M. I. R. N. B. C. P. B. T.

a Juniper tree 29 ins. in
 diam. brs. N. 75° E. 440
 lbs. dist. marked.

N. M. I. R. N. B. C. P. B. T.

a Juniper tree 33 ins. in
 diam. brs. S. 83° E. 443

West Boundary

Sts. dist. marked

N. M. I. R. N. B. C. P. B. T.

a Juniper tree 33 ins. in
diam. brs. D. 74° E. 281 Sts.

dist marked

N. M. I. R. N. B. C. P. B. T.

July 7th 1890
On the night of July 7thI take an observation
on Polaris ^{Next morning} runN. $12^{\circ} 18'$ W. on a
random line to
Sombroso Butte, and
at 24 miles and 39 chs.I arrive at a point on
the highest part of
Sombroso Butte where
I set a sandstone
 $26 \times 22 \times 4$ ins. 17 ins.
in the ground for cor
on Sombroso Butte

BOOK 1965

Mali Mt. Ind. Reservation

marked on S. N. sides
 N.M. I. R. N. B. S. B. Δ
 and raised a mound
 of stones 5 ft. base 5 ft.
 high alongside. From which
 a monument of stones with
 post in centre marked N.M. I
 R. br. S. 57° E. 34 kts. dist.

This monument was evidently
 put up by the War Dept.

No bearing trees.

Then I proceeded to
 the N. N. Cor. of the
 Reservation, where I
 found a sandstone

20 x 4 ins, 15 ins, out of
 ground, with mound of
 stones alongside. From which
 a Post ^{tree} 23 ins. in diam br.

N. 110° 15' E. ^{63 kts. dist.} marked N. N. Cor N. M. I. R.
 D. J. Δ

Chairs Nest Boundary

A pine tree 36 ins. in diam
brs. $N. 30^{\circ} E.$ 86 lbs. dist. marked

N. N. Cor. N. M. I. R. B. T.

A pine tree 10 ins. in
diam. brs. $S. 65^{\circ} E.$ 24 lbs.

+ dist. marked.

N. N. Cor. N. M. I. R. B. T.

A pine tree 24 ins. in diam.

brs. $S. 61^{\circ} N.$ 47 lbs. dist.

marked. N. N. Cor. N. M. I. R. B. T.

On the night of the 14th
of July I took an
observation on Polaris

and next morning
determined the magnetic
Variation to be $13^{\circ} 6' E.$

Thence I run

South on 1st mile

$\gamma a. 13^{\circ} 6' E.$

2.50 Edge of black mesa

Chains White Mt. Ind. Reservation

descend N. slope into valley

33.00 Pine tree 18 ins. in diam on line

40.00 Sit a sandstone 30x20x5
ins, 20 ins. in the ground
for 1/2 mile cor. marked.

N.M. I. R. N. B. 1/2 M. and
raised a mound of
stones 1 1/2 ft. high 3 1/2 ft
base alongside -
From which,

A pine tree 32 ins. in
diam. br. N. 67° E. 32 lbs.
dist marked N.M. I. R.

N. B. 1/2 m. B.T.

An oak tree 8 ins. in
diam. br. N. 12° E. 11 lbs.
dist marked.

N.M. I. R. N. B. 1/2 M. B.T.

80.00 Sit a sandstone 20x12x10
ins, 13 ins. in the ground

BOOK 1965

Chains Nest Boundary

for 1st M. Cor. marked
 N. M. I. R. N. B. 1st M. and
 dug pits 24x18x12 ins.
 lengthwise N. S. E. - N. of
 Cor. 6 ft. dist. and
 raised a mound
 of earth 2 $\frac{1}{2}$ ft. high.
 5 ft. base alongside.
 From which

A pine tree 22 ins. in
 diam. brs. N. 32° E. 89
 lbs. dist. marked

N. M. I. R. N. B. 1st M. B. T.

A pine tree 40 ins. in
 diam brs. S. 70° 30' E. 37
 lbs. dist. marked

N. M. I. R. N. B. 1st M. B. T.

A pine tree 33 ins. in
 diam. brs. S. 65 lbs.
 dist marked

Chain White Mt. Ind. Reservation

N. M. I. O. N. B. 1 M. B. T.

A pine tree 9 ins. in diam.

bn. N. $70^{\circ} 30' W.$ 84 lbs.

dist marked.

N. M. I. O. N. B. 1 M. B. T.

Surface mountainous

Soil 1st and 2nd rate

Heavy pine and oak timber

Good grass.

bn. $13^{\circ} 6' E.$

July 15th, 1890.

Chains West Boundary

South on 2nd mile.Va. $13^{\circ} 6' E.$

5.56 Road brs. E. and W.

7.00 Dry creek 40 lbs. wide
co. W. tributary canyon creek
ascend mt. ridge brs. E. & W.40.00 Set a sand stone $15 \times 12 \times$
10 ins. 10 ins. in the
ground for $1\frac{1}{2}$ M. cor.
marked N. M. I. R. N. B.
 $1\frac{1}{2}$ M. and raised a
mound of stone $1\frac{1}{2}$ ft
high $3\frac{1}{2}$ ft. base along side
From whichA pine ^{tree} 19 ins. in diam.
brs. N. $12^{\circ} E.$ 7 lbs. dist.
marked N. M. I. R. N. B.
 $1\frac{1}{2}$ M. B. T.A pine tree 19 ins. in
diam. brs. S. $13^{\circ} E.$ 30 lbs.

Rainier Mts. Nat. Ind. Reservation

dist marked

N. M. I. R. N. B. $1\frac{1}{2}$ M. B. T.

48.50 Top of ridge bet. E. & N.
descent, 800 ft high

" Pit 25 ins in diam on line

49.50 " 32 " " " "

80.00 Set a sandstone $24 \times 24 \times 12$
ins. 16 ins. in the ground

for 2nd cor. marked. N. M.

I. R. N. B. 2 M. and

raised a mound of
stone $2\frac{1}{2}$ ft high 5 ft.
base alongside.

From which

An oak tree 12 ins. in diam.

bet. N. 50° E. 42 lbs. dist
marked. N. M. I. R. N. B.

2 M. B. T.

An oak ^{tree} 12 ins. in diam.

bet. S. 37° E. 40 lbs. dist

Chain West Boundary

marked N. M. I. R. N. B.
2 M. B. T.

One oak ^{tree} 10 ins. in diam.
brs. S. 33° W. 41 Mts. dist

marked N. M. I. R.

N. B. 2 M. B. T.

One oak ^{tree} 13 ins. in diam.
brs. N. 72° W. 45 Mts. dist

marked N. M. I. R.

N. B. 2 M. B. T.

Surface mountainous
Soil 1st rate and rocky.
Heavy pine and oak timber
Good Grass.

N. 13° 6' E.

Chains Whit Mt. Ind. Reservation

South on 3rd mill.

Va. 13° 6' E.

Descending N.E. 5th.

→ 50 #¹ ^{Footbridge on} Cross branch Cañon creek 25

Mis. wide co. S.W. water in it.

Thence ^{ascend} along N. slope Mt.

cut by small ridges and gullies

40.00 Set a sandstone 26x12x10
ins. 17 ins. in the ground for
2½ M. cor. marked

N. M. I. R. N. B. 2½ M.

and raised a mound
of stone 1½ ft. high 3½
ft. base alongside.
From which

A pine tree 30 ins. in diam
br. S. 55° E. 34 lbs dist-
marked N. M. I. R.

N. B. 2½ M. B. T.

Chain Knot Boundary

A pine tree 16 ins. in diam.
 brs. S. 11° N. 65 lbs. dist.
 marked N. M. J. R.

N. B. 2 1/2 M. B. T.

52.00

Top of spur ^{75 ft. +} brs. N. E. & S. W.
 toward Canine creek. Secured

80.00

Set a limestone 24 x 22 x 8
 ins. 16 ins. in the ground
 for 3 M. cor. marked
 N. M. J. R. N. B. 3 M.

and raised a mound
 of stone 2 1/2 ft. high
 5 ft. base alongside.
 From which

A pine tree 22 ins. in
 diam. brs N. 30° E. 35 lbs.
 dist. marked N. M.
 J. R. N. B. 3 M. B. T.

An oak tree 9 ins. in
 diam. brs. S. 71° E. 86 lbs.

White Mt. Ind. Reservation

dist marked N.M. I.

I. R. N. B. 3 M. B.T.

A pine tree 12 ins. in
diam. brs. S. 73° N. 48 lbs.

dist marked N.M.

I. R. N. B. 3 M. B.T.

All oak tree 6 ins. in

diam. brs. N. 28° N. 52 lbs.

dist marked N.M.

I. R. N. B. 3 M. B.T.

Surface unmountainous

Soil rocky 3rd. rate

Heavy pine and oak timber.

Good grass.

N. 13° E.

Chains West Boundary

South on 4th Mile.

Va. $130^{\circ}6' E.$

Descend.

9.00 Foot as per ^{tr.} N.E. & S.W. cross
 creek 20 lbs. wide loc. SW.
 and ascend over broken
 slope of Mt.

32.50 Top ^{at} int. tr. N.E. & SW.
 about 100 ft. above canyon creek.

Descend.

40.00 Set a limestone $24 \times 14 \times$
 12 ins. 16 ins. in the ground
 for $3\frac{1}{2}$ M. Cor. marked
 N.M. I. R. N. B. $3\frac{1}{2}$ M.
 and raised a mound
 of stone ^{$1\frac{1}{2}$ ft. high} $3\frac{1}{2}$ ft. base
 along side.

From which

One oak ^{tree} 16 ins. in diam.
 tr. S. $13\frac{1}{2}^{\circ} E.$ 30 lbs. dist.
 marked. N.M. I. R.

Chains White Mt. Ind. Reservation

N. B. $3\frac{1}{2}$ M. B. T.

A pine tree 19 ins. in diam.
 hrs. N. 47° W. 27 lbs. shot
 marked N. M. I. R. N. B.
 $3\frac{1}{2}$ M. B. T.

47.50 Foot of mt. hrs. N. E. + S. W.
 Cross creek dry, 20 lbs. and
 Co. Mt. to Cannon creek.
 Ascend over N. slope ridge
 top about 10 ds E.

70.40 Oak tree 20 ins. in diam. in line.

80.00 Set a limestone $30 \times 20 \times 12$
 ins. 20 ins. in the ground
 for 4 M. cor. marked
 N. M. I. R. N. B. 4 M. and
 raised a wd. of stone
 $2\frac{1}{2}$ ft high 5 ft base
 alongside.
 From which
 an oak tree 20 ins. in

Chain West Boundary

diam. trs. N. 86° E. 35 lbs
dist. marked.

N. M. I. R. N. B. 4 M. D. J.

An oak tree 22 ins. in
diam. trs. S. 19° W. 54 lbs.

dist. marked N. M. I. R.

N. B. 4 M. D. J.

An oak ^{tree} 20 ins. in diam.

trs. S. 36° W. 25 lbs.

dist. marked.

N. M. I. R. N. B. 4 M. D. J.

A pine tree 22 ins. in
diam. trs. N. 45° W. 22

lbs. dist. marked.

N. M. I. R. N. B. 4 M. D. J.

Surface Mountainous
Drill rocky.

Juniper Pine and Oak timber
Good grass.

Ta. 13° 6' E.

Chains White Mt. Ind. Reservation

South on 5th Mile.

Va. 13° 6' E.

Along N. slope

10.00 Descend into Cañon creek
over precipitous cliffs40.00 Set a sandstone 30x20x8
ins. 20 ins. in the ground
for 4½ M. cor. marked
N. M. I. R. N. B. 4½ M.and raised a mound
of stone 1½ ft. high 3½
ft. base alongside.

From which

A pine tree 12 ins. in diam.

brs. N. 30° E. 10 Mts. dist.
marked N. M. I. R.

N. B. 4½ M. B. J.

A pine tree 16 ins. in diam. brs.

N. 48½° W. 13 Mts. dist. marked
N. M. I. R. N. B. 4½ M. B. J.July 16th 1890.

Chains, West Boundary

4150 Cañon creek 50 lbs. wide
Co. S.E. Clear, cold permanent
water. ascend side
of cañon abruptly.

52.00 Gulch 10 lbs. wide Co. E. into
cañon creek. good water.

77.00 Gulch 10 lbs. wide Co. E.
no water

80.00 Set a quartz rock
15x15x10 ins. 10 ins. in the
ground for 5 M. cor. marked
N. M. I. O. N. B. 5 M.
dug pits 24x18x12 ins
lengthwise on line N. S. E.
and N. of stone 6 ft.
dist. and raised a
mound of earth. 2 1/2 ft.
high 5 ft. base along side.
From which
an oak tree 14 ins. in

Chino White Mt. Ind. Reservation

diam. trs. N. 19° E. 46 lbs.
dist. marked.

N.M. I. R. N. B. 5 M. B. T.

A pine tree 26 ins. in diam.
trs. S. 59° E. 65 lbs. dist.
marked. N. M. I. R.

N. B. 5 M. B. T.

An oak tree 16 ins. in
diam. trs. S. 64° N. 60 lbs.
dist. marked. N. M. I. R.

N. B. 5 M. B. T.

A pine tree 19 ins. in diam.
trs. N. 52° N. 38 lbs. dist-
marked N. M. I. R. N.

B. 5 M. B. T.

Surface mountainous
Soil rocky, some 1st rate.
Heavy pine & oak
Good grass.

Tr. 13° 6' E.

Chinus Nest Boundary

South on 6th Mile.

Va. 13° 6' E.

Ascending along E. slope of steep side of cañon.

Cañon creek about 800 ft. E.

40.00

Set a sand stone 35 X 20 X 4 ins. 23 ins. in the ground for 5 1/2 M. cor. marked N. M. I. R. N. B.

5 1/2 M. and raised a mound of stones 1 1/2 ft. high 3 1/2 ft. base always north from which

A pine tree 5 ins. in diam. brs. N. 34° E. 10 lbs. dist. marked. N. M. I. R.

N. B. 5 1/2 M. B. T.

A pine tree 13 ins. in diam. brs. N. 89° N. 16 lbs. dist. marked. N. M. I. R.

Chains White Mt. Ind. Reservation

N. B. 5 1/2 M. O. T.

52.50 Small spring good water on
line 00 E.

57.50 A pine tree 40 ins. in diam.
on line marked with 2
notches on N. & S. sides.

75.00 Descend along N. slope
Gull.

80.00 Set a sandstone 18x12x90 ins
17 ins. in the ground
for 6 m. cor. marked
N. M. I. R. N. B. 6 M.

and raised a mound
of stone 7 1/2 ft. high. 5 ft.
base along side
From which

A Juniper tree 24 ins. in
diam. Trs. N. 69° E. 61 Mo.
dist marked N. M.
I. R. N. B. 6 M. O. T.

Chains Nest Boundary

A pine tree 24 ins. in diam.
 hrs. $S. 59^{\circ} E.$ 37 lbs. dist
 marked N. M. I. R.

N. B. 6 M. B. T.

An oak tree 6 ins. in
 diam. hrs. $S. 20^{\circ} N.$ 103 lbs.
 dist marked. N. M.

I. R. N. B. 6 M. B. T.

A pine tree 24 ins. in
 diam. hrs. $N. 85^{\circ} W.$
 136 lbs. dist; marked

N. M. I. R. N. B. 6 M.

B. T.

Surface mountains

Soil mostly rocky, some 1st rate
 Pine, Juniper and Oak timber
 Good Grass.

Va. $12^{\circ} 30' E.$

Chains White Mt. Ind. Reservation

South on 7th Mile.

Va. 12° 30' E.

Descending gradually

40.00

Set a sandstone 20x14x10
ins. 13 ins. in the ground
for 6 $\frac{1}{2}$ mile cor. marked
N. M. I. R. N. B. 6 $\frac{1}{2}$ M.
and raised a mound
of stone 1 $\frac{1}{2}$ ft. high
3 $\frac{1}{2}$ ft. base alongside.
From which

An oak tree 18 ins. in
diam. br. N. 15° E. 112 lbs.
dist. marked N. M. I. R.
N. B. 6 $\frac{1}{2}$ M. B. T.

A pine tree 34 ins. in diam
br. S. 80° N. 12 lbs. dist.
marked N. M. I. R.
N. B. 6 $\frac{1}{2}$ M. B. T.

Chains West Boundary

Descending flat gently.

8000

Set a sand stone 24x15x9
ins. 16 ins. in the ground
for 7 mils cor. marked
N. M. I. R. N. B. 7 M.

and raised a mound
of stone 2 $\frac{1}{2}$ ft. high
5 ft. base along side.

From which

a pine tree 19 ins. in diam.
brs. N. 8° E. 64 lbs. dist.
marked. N. M. I. R.

N. B. 7 M. B. T.

A pine tree 16 ins. in
diam. brs. S. 85° E. 44
lbs. dist. marked

N. M. I. R. N. B. 7 M. B. T.

a pine tree 21 ins. in
diam. brs. S. 23° E. 48
lbs. dist. marked N. M.

Grand White Mt. Ind. Reservation

I. O. N. B. 7 M. B. T.

A pine tree 19 ins. in
diam. Trs. N. 66° W. 5 Mo.
dist marked. N. M.

I. O. N. B. 7 M. B. T.

Surface rolling
Soil 2nd rate

Pine and oak timber

Good Grass

Var. 12° 30' E.

Chain West Boundary

South on 8¹/₂ MileVa. $12^{\circ} 30' E.$

25.00

40.00

Ascend gently -

Set a sandstone $16 \times 14 \times 18$
 ins. 10 ins. in the ground
 for $7\frac{1}{2}$ mile cor. marked
 N. M. S. R. N. B. $7\frac{1}{2}$ M.
 and raised a mound
 of stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base alongside.
 From which

A pine tree 10 ins. in diam.
 brs. $0.77\frac{1}{2}^{\circ} E.$ 33 lbs.
 dist. marked.

N. M. S. R. N. B. $7\frac{1}{2}$ M. O. T.

A pine tree 24 ins. in
 diam. brs. $N. 69^{\circ} N.$
 58 lbs. dist. marked
 N. M. S. R. N. B. $7\frac{1}{2}$
 M. O. T.

White Mt. Ind. Reservation

- 56.52 A pine tree 43 ins. in diam.
on line, marked with 2 notches
on N. & S. sides.
- 44.00 A pine tree 42 ins. in diam.
on line; marked with 2
notches on N. & S. sides.
- 80.00 At a fossiliferous stone
30 x 16 x 8 ins. 20 ins. in
the ground for 8 miles.
Cor. marked. N. M.
I. R. N. B. & M. and
raised a mound
of stone 2 1/2 ft high
5 ft base alongside.
From which
A pine tree 13 ins. in
diam. Tr. N. 51° E. 126
lbs. dist. marked
N. M. I. R. N. B. & M.
B. G.

35

Chain West Boundary

A pine tree 21 ins. in diam.
trs. S. 31° E. 82 lbs. dist.
marked N. M. I. R. N. B.
8 M. B. J.

A pine tree 21 ins. in diam.
trs. S. 27° N. 61 lbs. dist.
marked N. M. I. R. N.
B. 8 M. B. J.

A pine tree 19 ins. in
diam. trs. N. 87° W. 65 lbs.
dist. marked N. M. I. R.
N. B. 8 M. B. J.

Surface rolling
Dirt 1st and 2nd rats
Heavy pine timber some oak.
Good grass.
Va. 12° 30' E.

Chains White Mt. Ind. Reservation

South on 9th Mile

Va. 12° 30' E.

Over rolling and broken
country.

550

Wash 10 Mts. wide Co. N.

4000

Set a limestone 18x14x10
ins. 12 ins. in the ground
for 8½ mile cor. marked
N. M. I. R. N. B. 8½ M.
and raised a mound
of stone 1½ ft. high 3½
ft. base alongside.
From which

A Juniper ^{tree} 24 ins. in diam.
Trs. N. 35° E. 44 Mts.
dist. marked N. M.
I. R. N. B. 8½ M. O. T.

A pine tree 26 ins. in
diam. Trs. S. 62° E. 38 Mts.
dist. marked

Chain. West Boundary

N. M. L. R. N. B. 8 1/2 M. B. E.

43.59 Same mark 10 Mts. wide co. SE.

48.50 Pine tree 48 ins in diam. on
line: marked with 2 notches
on N. & S. sides.49.50 Same mark 10 Mts. wide co. N.
Ascend.

60.00 Descend.

74.00 Gulch. 10 Mts. wide Co. N.

80.00 Set a sandstone 20x14x11
ins 13 ins. in the ground
for 9 mile cor. marked
N. M. L. R. N. B. 9 M.
and raised a mound
of stone 2 1/2 ft. high
5 ft. base alongside.
From which
a pine tree 30 ins. in diam.
br. N. 27° E. 30 Mts. dist.
marked. N. M. L. R. N. B.

Lower White Mt. Ind. Reservation

9 M. B. T.

A pine tree 19 ins. in diam.
 brs. S. 84° E. 13 Ms. dist.
 marked - N. M. I. R.

N. B. 9 M. B. T.

An oak tree 12 ins. in
 diam. brs. S. 46° N. 119 Ms.
 dist. marked N. M. I.

R. N. B. 9 M. B. T.

An oak tree 10 ins. in diam.
 brs. N. 67° W. 50 Ms. dist.
 marked. N. M. I. R. N. B.

9 M. B. T.

Surface hilly

Soil rocky 3rd rate

some 1st rate.

Heavy pine & oak timber.

Good grass.

Jan. 12° 30' E.

Chain Nest Boundary

South on 10th Mile

Va. 12° 30' E.

- 14.00 Pine tree 14 ins. in diam.
on line marked with 2
notches on N. & S. sides
- 28.50 Gully 20 lbs. wide co. SE.
- 40.00 Set a sandstone 16x14x10 ins
10 ins. in the ground for
9½ mile cor. marked
N. M. I. R. N. B. 9½ M.
and raised a mound
of stone 1½ ft. high 3½
ft. base alongside.
From which
A pine tree 12 ins. in
diam. to N. 6° N. 41 lbs.
dist marked. N. M.
I. R. N. B. 9½ M. B. E.
An oak tree 16 ins. in
diam. to N. 45° N. 67

White Mt. Ind. Reservation

No. dist. marked

N.M.I.R. N.B. 9 1/2 M.B.T.

Camp July, 17th 1890.

- 42.70 A pine tree 55 ins. in diam.
on line, marked with 2
notches on N. & S. sides
- 57.00 An oak tree 15 ins. in diam.
on line marked with 2
notches on N. & S. sides
- 66.50 Gull. 10 M. wide co. E.
- 78.00 Descend.
- 80.00 Put a sandstone 13x13x12 ins
8 ins in the ground for
60 mile cor. marked
N.M.I.R. N.B. 10 M.
and raised a mound
of stone 2 1/2 ft. high
5 ft. base alongside.
From which
A pine tree 12 ins. in diam.,

7
 Rain West Boundary

Tr. S. 81° E. 71 Mts. dist.
 marked N. M. I. R. N. B.
 10 M. B. T.

A pine tree 19 ins. in diam.
 Tr. S. 36° E. 148 Mts. dist.
 marked N. M. I. R. N. B.
 10 M. B. T.

Can oak tree 10 ins. in
 diam. Tr. S. 20° E. 72 Mts. dist.
 marked N. M. I. R. N. B.
 10 M. B. T.

A pine tree 16 ins. in diam.
 Tr. N. 10° N. 75 Mts. dist. marked
 N. M. I. R. N. B. 10 M. B. T.

Surface hilly.

Rock 2nd rate.

Heavy pine & oak timber

Good grass.

Va. 12° 30' E.

White Mt. Ind. Reservation.

South on 11th Mile

to 12° 30' E.

Descend

2.00 Wash 40 lbs wide co. S.E.
ascend high hill - Mt. Hs.

S.E. + N.W.

5.77 A pine tree 25 ins. in diam. on
line marked with 2 notches
on N. + S. sides.

40.00 Set a sandstone 18x12x10
ins. 12 ins. in the
ground for 10^{1/2} mile cor.
marked N. N. S. N. N. B. 10 1/2 M.
and raised a mound of
stone 1 1/2 ft. high 3 1/2 ft.
base along side.

From Irish

A pine tree 13 ins. in diam.
to N. 16° E. 82 lbs. dist.
marked N. N. S. N. B.

Chain Nest Boundary

10 1/2 M. B. T.

A pine tree 13 ins. in diam.
 trs. S. 3 1/2° N. 83 N. dist
 marked N. M. I. R.

N. B. 10 1/2 M. B. T.

54.65 A pine tree 17 ins. in diam.
 on line marked with 2
 notches on N. & S. sides.

66.95 a pine tree 14 ins diam.
 on line, marked with
 2 notches on N. & S. sides.

80.00 Top of mt. trs. E. & N. about
 1000 ft. above surrounding
 country. descend.

Set a sandstone 30x10x7
 ins. 20 ins. in the ground
 for 11 mil cor. marked
 N. M. I. R. N. B. 11 M.

and raised a mound
 of stone 2 1/2 ft. high

Chain Hill Mt. Ind. Reservation.

5 ft. base along side.

From which

A pine tree 11 ins. in diam.

tr. N. 7° E. 34 Mo. dist.
marked. N. M. I. R.

N. B. 11 M. B. T.

A pine tree 11 ins. in diam.

tr. S. 25° E. 16 Mo. dist.
marked N. M. I. R.

N. B. 11 M. B. T.

A Juniper tree 21 ins. in diam

tr. S. 9° E. 19 Mo. dist.
marked. N. M. I. R. N. B.

11 M. B. T.

^{oak tree}
A 16 ins. in diam tr. N. 67°

N. 9 Mo. dist. marked.

N. M. I. R. N. B. 11 M. B. T.

Surface mountainous
soil 3rd rate

Heavy pine timber, some oak & juniper

Grass fair

Va. 12° 15' E.

Chains West Boundary

South on 12th Mile.Va. $12^{\circ} 15' E$.

Proceeding over rolling country.

40.00 Set a sandstone $15 \times 13 \times 11$
 ins. 10 ins. in the ground
 for $1\frac{1}{2}$ mile cor. marked
 N. M. I. R. N. B. $1\frac{1}{2}$ M.

and raised a mound
 of stone $\frac{1}{2}$ ft. high $3\frac{1}{2}$
 ft. base. Along side,
 From which

A pine tree 16 ins. in diam.
 brs. $D. 12\frac{1}{2}^{\circ} E$. 41 lbs. dist.
 marked. N. M. I. R. N. B.
 $1\frac{1}{2}$ M. B. J.

A pine tree 13 ins. in
 diam. brs. $N. 25^{\circ} N$.
 85 lbs. dist. marked.
 N. M. I. R. N. B. $1\frac{1}{2}$
 M. B. J.

chain White Mt. Ind. Reservation

66.00 Trail ^{to Indian village 18 miles S.E. of line} brs. N. N. + S. E.

80.00 Set a sand stone $14 \times 12 \times 12$ ins. 9 ins. in the ground for 17 mil. cor. marked N. M. I. O. N. B. 12 M.

and raised a mound of stone $2\frac{1}{2}$ ft. high 5 ft. base alongside. From which

A Juniper tree 33 ins. in diam. brs. N. 47° E. 96 Ms. dist. marked. N. M. I. O. N. B. 12 M. B. J.

A Juniper ^{tree} 50 ins. in diam. brs. S. 12° E. 98 Ms. dist. marked N. M. I. O. N. B. 12 M. B. J.

A Juniper tree 26 ins. in diam. brs. S. 35° N. 110 Ms. dist. marked. N. M. I. O.

N. B. 12 M. B. J.

No other trees within limits.

Chain West Boundary

Surface rolling slope South
Dirt lot note.

Pine, Juniper & some oak timber.
Good grass.

74. 12° 15' E.

Stations White Mt. Ind. Reservation

Smith on 13th mile

Pa. $12^{\circ} 15' E.$

Over gently rolling country.

Slopes S. timber not

so thick less pine more

juniper.

0.00

Set a sandstone $14 \times 13 \times 13$ ins

9 ins. in the ground for

$12\frac{1}{2}$ miles cor. marked

N. M. I. R. N. B. $12\frac{1}{2}$ M.

and raised a mound

of stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$

ft. base along side.

From which

an oak ^{tree} 13 ins. in diam.

tr. S. $79^{\circ} E.$ 33 Mts. dist.

marked. N. M. I. R.

N. B. $12\frac{1}{2}$ M. B. T.

A pine tree 19 ins. in diam.

tr. S. $54\frac{1}{2}^{\circ} N.$ 35 Mts.

Chains Nest Boundary

dist. marked N. M.

I. R. N. B. 12 1/2 M. D. J.

59.50 Trail N. W. and S. E.

60.00 Gulch 15 Mts. wide co S. E.

80.00 Lota sandstone 14x12x12 ins

9 ins. in the ground for
13 milt cor. marked

N. M. I. R. N. B. 13 M.

and raised a mound

of stone 2 1/2 ft high

5 ft. base along side.

From which

On east ^{side} 10 ins. in chain.

br. N. 59° E. 120 Mts. dist

marked. N. M. I. R. N. B.

13. M. D. J.

A Juniper tree 26 ins. in

diam. br. S. 8° N. 171 Mts.

dist. marked. N. M. I.

R. N. B. 13 M. D. J.

Chains Mt. Mt. Ind. Reservation

a pine tree 24 ins. in diam.
 hrs. N. 4° N. 88 Mo. dist.
 marked. N. M. I. A. N. B.
 13 M. B. T.

a pine tree 21 ins. in diam.
 hrs. N. 38° N. 146 Mo.
 dist. marked. N. M.
 I. A. N. B. 13 M. B. T.

Surface rolling
 Soil 1st rate

Pine, juniper and oak timber
 Good grass
 Va. 12° 15' E

Chain ~~Next~~ BoundarySouth on 14th Trail

Va. 12° N. E.

10.00 Gutch 12 Ms. wide cor. E.

25.70 Trail hrs E. and N.

26.70 Gutch 10 Ms. wide cor. E.

40.00 Set a sandstone $5 \times 14 \times 12$ ins.

10 ins. in the ground for

13 $\frac{1}{2}$ mile cor. markedN. M. I. R. N. B. 13 $\frac{1}{2}$ M.and raised a mound
of stone 1 $\frac{1}{2}$ ft. high 3 $\frac{1}{2}$
ft. base along side.

From which

A Juniper Tree 13 ins. in diam.

hrs. N. 70° E. 34 Ms. dist.

marked. N. M. I. R. N. B.

13 $\frac{1}{2}$ M. B. I.

A Juniper 24 ins. in diam.

hrs. S. 60° E. 38 Ms. dist.

marked. N. M. I. R.

chain with M. Ind. Reservation

N. B. 13 $\frac{1}{2}$ M. B. T.

Camp, July, 18th, 1890.

80.00 Set a sandstone 14x12x12 ins

9 ins. in the ground for
14 inch circ. marked

N. M. I. O. N. B. 14 M.

and raised a mound
of stone 2 $\frac{1}{2}$ ft. high 5 ft. base
alongside.

From which

A pine tree 13 ins. in diam.
br. N. 43° E. 140 lbs. dist.
marked. N. M. I. O. N. B.

14 M. B. T.

A Juniper 10 ins. in diam.
br. S 69° E. 31 lbs. dist.
marked. N. M. I. O. N. B.

14 M. B. T.

A pine tree 21 ins. in diam.
br. S. 8° E. 202 lbs. dist.

Chain West Boundary

marked N. M. S. R. N. B.
14 M. B. T.

A pine tree 19 ins. in diam.
brs. S. 11° N. 183 lbs. dist-
marked N. M. S. R. N. B.
14 M. B. T.

Surface rolling.
Dial 1st set.

Juniper and Pine timber
Good grass.
Va. 12° 30' E.

Chains North Mt. Ind. Reservation

South on 15th Mile.

Va. 12° 30' E.

- 2,000 Wash. 14th Mo. side co. E.
- 19,000 a tree marked No. 17, N.M.I.R.
W. E. 10 Mo.
- 20,000 Descend into cañon.
- 40,000 Set a sandstone 16x15x8 ins.
10 ins. in the ground for
14 1/2 mile cor. marked.
N.M.I.R. N.B. 14 1/2 M.
and raised a mound
of stone 1 1/2 ft. high 3 1/2
ft. base alongside.
From which
One oak ^{tree} 6 ins. in diam.
W. S. E. 47 Mo. dist.
marked N.M.I.R.
N.B. 14 1/2 M. B. 5.
No other suitable trees
within limits.

Chains Nest Boundary of

4550 Bottom of cañon 250 ft.
 deep. c. E. creek 60 ft. wide
 water in holes. 60, E. ascend

5800 Top of S. side of cañon.
 Descend into another cañon

70.20 Bottom cañon c. E. ascend

80.00 Set a flinty rock 26x17x9
 ins. 17 ins. in the ground
 for 15 mile cor. marked
 N. M. I. A. N. B. 15 M.

and raised a mound
 of stone 2½ ft. high
 5 ft. tall. alongside
 From which

All oak tree 13 ins. in diam.
 to N. 9° E. 23 Mts. dist.
 marked. N. M. I. A. N. B.
 15 M. B. J.

All oak tree 11 ins. in diam.
 to N. 41½° E. 40 Mts. dist.

Chains Hill Mt. Ind. Reservation

marked N. M. I. R. N. B.

15 M. B. S.

a Juniper ^{tree} 24 ins. in diam
br. S. 30 lbs dist. marked

N. M. I. R. N. B. 15 M. B. S.

on east tree 16 ins. in diam.

br. S. 56 1/2 N. 39 lbs. dist.

marked. N. M. I. R. N. B.

15 M. B. S.

Surface mts. & rolling
Soil 2nd & 4th rate

Pine Juniper & oak timber

Good grass.

Va. 12° 40' E.

Chains West Boundary

South on 16th Mile.

Va. 12° 40' E.

Descend.

11.00 Getch 10 lbs. with co. S.E.

15.50 " " " " N.E.

ascend.

35.00 Descend.

40.00 Set a sandstone 14 X 14 X 11 ins.

9 ins. in the ground for

15 1/2 mile cor. marked

N. M. I. R. N. B. 15 1/2 M.

and raised a mound of

stone 1 1/2 ft. high 3 1/2 ft.

base alongside.

From which an oak ^{tree} 11 ins.

in diam. br. N. 40° E. 31

No. dist. marked, N. M.

I. R. N. B. 15 1/2 M. B. I.

An oak tree 10 ins. in

diam br. S. 22° E. 64

Chains White Mt. Ind. Reservation

- 69.70 No. dist marked. N. M. I. R.
N. B. 15 1/2 M. W. J.
Wash 20 No. side on S.E.
ascend
- 78.00 Top of hill to N. N. & S.E.
Descend.
- 80.00 Set a sandstone 18x16x9 ins.
12 ins. in the ground
for 16 Milt cor marked
N. M. I. R. N. B. 16 M-
and raised a mound
of stone 2 1/2 ft high 5 ft.
wide along side.
- No trees within limits
Surface lumpy and broken.
Dirt just water
Scattering pine, oak & juniper.
Good grass.
- Antenna ranch about 1 1/2 miles N.
Ta. 12° 40' C.

5-40

Chains West Boundary

Death on 17th Mile

Va. 12° 40' E.

Descending along S.E. slope
of hill

1330 Wash. 75 lbs. wire co. S.H.

40.00 Set a sandstone 20x12.9 ins.
15 ins. in the ground for
16 1/2 inch cor. marked
N. M. I. R. N. B. 16 1/2 M.
and raised a mound
of stone 1 1/2 ft. high 3 1/2
ft. base alongside.

From which

An oak tree 21 ins. in diam.
brs. N. 73° N. 18 lbs. dist.
marked. N. M. I. R.
N. B. 16 1/2 M. B. T.

an oak tree 21 ins. in
diam. brs. N. 38° N. 6 lbs.
dist. marked. N. M.

Chains White Mt. Ind. Reservation.

L. R. N. B. 16 $\frac{1}{2}$ M. B. T.

97.50 Saw wash 75 lbs side cor. C. E.

80.00 Set a sandstone 18x16x8 ins.

12 ins. in the ground
for 17 side cor. marked

N. M. L. R. N. B. 17 M. and
raised a mound of stone
2 $\frac{1}{2}$ ft. high 5 ft. base
along side.

From which

a pine tree 21 ins. in diam. to.

N. 57° E. 108 lbs. dist.

marked. N. M. L. R. N. B.

17 M. B. T.

A pine tree 19 ins. in diam.

to. S. 64° E. 57 lbs. dist.

marked. N. M. L. R.

N. B. 17 M. B. T.

A pine tree 16 ins. in diam.

to. S. 32° N. 61 lbs. dist.

Chain West Boundary

marked N. M. L. R.

N. B. 17 M. B. T.

A pine tree 19 ins. in
diam. to. $A. 5^{\circ} N. 102$

No. dist. marked. N. M. L. R.

N. B. 17 M. B. T.

Surface mountainous
Dirt 3rd ratePine, oak and juniper timber
Good grassVar. $12^{\circ} 45' E.$

For final notes see book 4

BOOK 1965

White Mt. Land Reservation