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1966

BOOK # 1966

1966

Approved May 21 1891

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Book No 2.

4-871

1966

1966

### FIELD NOTES

~~GENERAL LAND OFFICE~~

West Boundary, of  
White Mountain Indian  
Reservation.

By: John C. Smith.

Contract, No 12.

May 16. 1890.

1966

| <i>miles</i> | <i>Order</i>    | <i>Page</i>             |
|--------------|-----------------|-------------------------|
| 18           | BOOK 1966       | 1                       |
| 19           | - - - - -       | 4                       |
| 20           | - - - - -       | 7                       |
| 21           | - - - - -       | 10                      |
| 22           | - - - - -       | 13                      |
| 23           | - - - - -       | 16                      |
| 24           | - - - - -       | 18                      |
| 25           | - - - - -       | 21                      |
| 26           | - - - - -       | 24                      |
| 27           | - - - - -       | 27                      |
| 28           | - - - - -       | 30                      |
| 29           | - - - - -       | 33                      |
| 30           | - - - - -       | 36                      |
| 31           | - - - - -       | 39                      |
| 32           | x - x x x - x x | 42 <u>Point no Bull</u> |
| 33           | - - - - -       | 44                      |
| 34           | - - - - -       | 46                      |
| 35           | - - - - -       | 48                      |
| 36           | - - - - -       | 50                      |
| 37           | - - - - -       | 52                      |
| 38           | - - - - -       | 54                      |
| 39           | - - - - -       | 56                      |
| 40           | - - - - -       | 58                      |
| 41           | - - - - -       | 60                      |

Field Notes of the

Survey of the

West Boundary of the White  
Mountain Indian Reservation

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

Under contract <sup>No. 12</sup> dated May. 16<sup>th</sup> 1890

Survey commenced June 28<sup>th</sup> '90.  
" completed Aug. 6<sup>th</sup> '90.

For preliminary notes see book 1

## Chains Nest Boundary

South on 18<sup>th</sup> Mile

To 12°45'E.

Ascending over E. point of hill; mark 20 chs. E. at foot of hill.

- 33.00 A pine tree 33 ins. in diam. on line, marked with 2 notches on N. & S. sides
- 38.00 Descend into a <sup>caution</sup> abrupt gully - ca E.
- 40.00 Rock in place  $3\frac{1}{2} \times 3\frac{1}{2}$  ft. above ground, for <sup>17 1/2 inch</sup> cor. marked with a + (cross) at exact cor. point. and, N. M. I. R. N. B. 17 1/2 M. and raised a mound of stone 1 1/2 ft. high 3 1/2 ft. base, alongside
- From which
- An oak <sup>tree</sup> 10 ins. in diam. to N. 2° E. 51 Mo. dist. marked.
- N. M. I. R. N. B. 17 1/2 M. B. T.

## Chains. White Mt. Ind. Reservations

On oak tree 21 ins. in diam.  
 tr. S. 85° E. 29 lbs. dist. marked  
 N. M. I. R. N. B. 17½ M. S. T.

On N. side of cañon.

44.90) Trail tr. S. E. + N. N.

Camp. July 19<sup>th</sup> 1890, at  
 small cold spring about N.  
 Chains N. of line.

47.00 Dry wash 40 lbs. with 60 S.E.  
 ascend from cañon.

53.00 Ascend ~~100~~ <sup>100</sup> abruptly.

80.00 Put a sandstone 10 1/4 x 8 ins.  
 12 ins. in the ground for  
 18 miles cor. marked N. M.

I. R. N. B. 18 M. and raised  
 a mound of stone 2½ ft.  
 high 3½ ft. base along side.  
 From which

On oak <sup>tree</sup> 19 ins. in diam. tr.  
 P. 70½ N. 80 lbs. dist.

## Chains West Boundary

marked N. M. L. R. N. B.  
18 M. D. T.

An oak tree 19 ins. in diam.  
br.  $D. 50^{\circ} E.$  71 Mts. dist.

marked N. M. L. R. N. B.  
18 M. D. T.

An oak tree 13 ins. in diam.  
br.  $D. 52^{\circ} N.$  44 Mts. dist.

marked N. M. L. R. N. B. 18  
M. D. T.

An oak tree 13 ins. in diam.  
br.  $N. 20^{\circ} N.$  55 Mts. dist.

marked N. M. L. R. N. B.  
18 M. D. T.

Soil  $3^{rd}$  <sup>rate</sup> and 4th rate.

Oak and pine timber  
Good grass.  
 $Va. 12^{\circ} 43' E.$

Chains White Mt. Ind. Reservation

South on 19<sup>th</sup> Mile.

To.  $12^{\circ} 43' E$ .

Over E. slope Mt.

10.70 Gulch 20 lbs. with co. E.

74.00 Discard.

40.00 Set a sandstone  $16 \times 15 \times 12$  ins.

10 ins. in the ground for  
18 $\frac{1}{2}$  mile cor. marked

N. M. I. R. N. B. 18 $\frac{1}{2}$  M.

and raised a mound  
of straw  $\frac{1}{2}$  ft high 3 $\frac{1}{2}$  ft.  
base alongside.

From which

a Juniper tree 16 ins. in diam.

to S.  $75^{\circ} E$ . 63 lbs. dist. marked

N. M. I. R. N. B. 18 $\frac{1}{2}$  M. D. T.

On oak tree 13 ins. in diam.

to S.  $50^{\circ} E$ . 51 lbs. dist. marked

N. M. I. R. N. B. 18 $\frac{1}{2}$  M. D. T.

## Chains West Boundary

45.00 Gulch 20 Mrs. with cor. S.E.

60.00 " 15 " " " E.

67.60 " 10 " " " N.E.

ascend to higher country.

80.00 Set a sandstone 20x20x8 ins.  
15 ins. in the ground for  
19 7/16 mil cor. marked N. M. L. R. N. B.19 M. B. S. and raised  
a mound of stone 2 1/2 ft  
high 5 ft base alongside.  
From which.An oak tree 10 ins. in diam.  
to N. 77° E. 84 Mrs. dist.  
marked N. M. L. R. N. B.  
19 M. B. S.A pine tree 13 ins. in diam.  
to S. 12 1/2° N. 80 Mrs. dist.  
marked N. M. L. R. N. B.  
19 M. B. S.



Chaco Mts. Mt. Lind. Reservation

A pine tree 19 ins. in diam.

Loc. N. 87° W. 151 Ms. dist.  
marked. N. M. I. R. N. B.  
19 M. B. T.

A pine tree 19 ins. in diam.

Loc. N. 3° W. 37 Ms. dist.  
marked. N. M. I. R.  
N. B. 19 M. B. T.

Surface mountains  
Soil 3<sup>rd</sup> rate

Pine and oak timber  
Good grass.

Loc. 13° 04' E.

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Chain West Boundary

South on 20<sup>th</sup> mile

Va.  $13^{\circ}04'$  E.

Accounting.

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

25.00 Top of N. side high mesa  
about 600ft high -

There over same.

40.00 Set a sandstone  $26 \times 10 \times 8$  ins.

17 ins. in the ground

for  $19\frac{1}{2}$  Miles cor. marked

N. M. L. R. N. B.  $19\frac{1}{2}$  Mi.

dig pits,  $24 \times 18 \times 12$  ins.

lengthwise on line 6ft. dist.

and raised a mound  
of earth  $1\frac{1}{2}$  ft high  $3\frac{1}{2}$   
ft. Face alongside.

From which

A Juniper tree 24 ins. in

chain to N.  $23^{\circ}$  E. 20 Mts.

dist. marked, N. M. L. R.

N. B.  $19\frac{1}{2}$  M. B.T.

Claim White Mt. Ind. Reservation

6.00 Discard from high mesa to  
N.E. and S.W.

0.00 Set a sandstone 22x20x12  
ins. 14 ins. in the ground  
for 20 inch cor. marked  
N. M. I. R. N. B. 20 M.  
and raised a mound  
of stone 2 1/2 ft. high 5 ft.  
base alongside  
From which, are

One oak tree 16 ins. in diam.  
bearing S. 22° E. 90 Mts. dist.  
marked, N. M. I. R. N. B.  
20 M. B. S.

One oak tree 10 ins. in diam.  
bearing S 67° N. 50 Mts. dist.  
marked N. M. I. R. N. B.  
20 M. B. S.

One oak tree 9 ins. in diam.  
bearing N. 64° N. 98 Mts. dist.

Chains West Boundary

marked, N. M. L. R.

N. B. 20 M. B.T.

As well as 16 ins. in diam.

Trs. A. 33° N. 126 Mts. dist

marked, N. M. L. R.

N. B. 20 M. B.T.

Surface rolling and rough  
Soil rocky, 3rd rate.

Oak and juniper timber

Good grass.

Var. 12° 38' E.



Chain. White Mt. Ind. Reservation

Death in 2<sup>1</sup>/<sub>2</sub> Mile

74. 12° 38' E.

Discovered

- 11.00 Gulch. 15 hrs. north co. E. ascend
- 22.00 Top. ridge bet. E. and N. about  
775 ft. high. Discovered.
- 40.00 Set a sandstone 20x10x10  
ins. 13 ins. in the ground  
for 20<sup>1</sup>/<sub>2</sub> mile cor.  
marked N. M. I. R. N. B. 20<sup>1</sup>/<sub>2</sub>  
M. and raised a mound  
of stone 1<sup>1</sup>/<sub>2</sub> ft. high 3<sup>1</sup>/<sub>2</sub> ft.  
base alongside.
- From which
- Can cut tree 6 ins. in diam.  
bet. N. 4° E. 9 hrs. dist.  
marked N. M. I. R. N. B.  
20<sup>1</sup>/<sub>2</sub> M. B. T.
- Can cut <sup>tree</sup> 12 ins. in diam.  
bet. S. 14° N. 275 hrs. dist.

Lines West Boundary

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

20 1/2 M. D. T.

80.00

Foot of Mt. to N. N. W. E.

Small hills to the West.

Set a sycamore stone

17 x 13 x 10 ins. 12 ins. in the

ground for 21 with cor.

marked N. M. L. R. N. B. 21

M. and raised a mound

of stone 2 1/2 ft. high 5 ft.

long along side.

From which

an oak tree 6 ins. in diam.

to N. 23° E. 41 Mts. dist.

marked N. M. L. R. N. B. 21

M. D. T.

A pine tree 14 ins. in diam.

to S. 23 1/2° E. 141 Mts. dist.

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

21 M. D. T.

Chavis Mts. Mt. Sub-Reservations

One oak tree 16 ins. in diam.  
 to. N. 41° N. 63 Mo. dist  
 marked. N. M. I. R. N. B. 21  
 M. B. J.

One oak <sup>tree</sup> " 10 ins. in diam. to.  
 N. 38½° N. 63 Mo. dist;  
 marked. N. M. I. R. N. B.  
 21 M. B. J.

Surface mountainous.

Soil 4th rate.

Timber mostly oak, some pine.

Grass fair.

Va. 13° E.

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## Rains West Boundary

South on 22<sup>nd</sup> Mile.

Va. 13° E.

14.70 Rains 60 Mts. wide Co. S.E.  
Water short <sup>distance</sup> down. Ascend.

31.50 Over rolling and hilly country

40.00 Set a square rock  
15x15x12 ins. 10 ins. in the  
ground for 2 1/2 mile cor.  
marked. N. M. L. R. N. O.

2 1/2 M. dug pits 24x18x12  
ins. lengthwise on line  
N. L. R. of stone 6 ft. dist.  
man raised a mound  
of earth 1 1/2 ft. high 3 1/2 ft  
base along side.

No trees within limits

80.00 Set a square rock  
16x15x12 ins. 10 ins. in the  
ground for 22 mile cor.  
marked. N. M. L. R. N. O.



Since Multi Mt. Ind. Reservation,

22 M. and raised a mound  
of stone 2½ ft. high 5 ft  
base along guide.

From which

An oak <sup>tree</sup> 16 ins. in diam. br.

N. 24° E. 170 lbs. dist. marked

N. M. I. R. N. B. 22 M. B. T.

An oak tree 10 ins. in diam.

br. S. 47° E. 83 lbs. dist.

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

22 M. B. T.

An oak tree 16 ins. in diam.

br. S. 3° E. 110 lbs. dist.

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

22 M. B. T.

An oak tree 16 ins. in diam.

br. S. 77½° N. 102 lbs. dist.

marked N. M. I. R.

N. B. 22 M. B. T.

15

BOOK 1966

Chains West Boundary

In ravine 50 lbs. wide. co.  
N.E. Spring about 10 chs. up  
ravine.

Surface rolling and hilly.  
Soil 3<sup>rd</sup> rate

Dense oak and manzanita  
brush. some oak trees,

Pa. 12° 55' C.

July 21<sup>st</sup> 1890

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Chains White Mt. Ind. Reservation,

South on 23<sup>rd</sup> Mile.

Va.  $12^{\circ}55'E$ .

Ascend.

4.00 Top of bluff on S. side  
rains to N.E. & S.W. thence

over rolling country

10.20 Indian trail <sup>to passage 8 miles E. of line.</sup>  
brs. N.E. and S.W.

40.00 ' Det a square rock

13X13X13 ins. 8 ins. in the  
ground for 22 $\frac{1}{2}$  mile  
cor. marked N. M. I. R.

N. B. 22 $\frac{1}{2}$  M. and raised  
a mound of stone 12  
ft. high 3 $\frac{1}{2}$  ft. base  
alongside.

From which

An oak <sup>tree</sup> 10 ins. in diam.

brs. N.  $8^{\circ}E$ . 102 Ms.

det. marked N. M. I. R.

N. B. 22 $\frac{1}{2}$  M. B. J.

## Chain West Boundary

An oak tree 7 ins. in diam.  
 hrs. N.  $28\frac{1}{2}^{\circ}$  N. 40 Ms. dist.  
 marked N. M. L. R. N. B.  
 $22\frac{1}{2}$  M. B. T.

80.00 An E. point small  
 rocky hill.

Set a quartz rock  
 $17 \times 17 \times 12$  ins. 11 ins. in  
 the ground for 23 mile  
 cor. marked. N. M. L. R.  
 N. B. 23. M. and raised  
 a mound of stone  
 $2\frac{1}{2}$  ft. high 5 ft. base  
 straight

No trees within limits

Surface rolling.

Set 3<sup>rd</sup> rate.

Dense magnolia & oak brush.  
 Low grass.

Pa.  $11^{\circ} 31' E.$

Shaw's White M. Ind. Reservation

Point on 24<sup>th</sup> Mile

V. 11° 31' E.

(Local attraction.)

Over small rolling hills -

30.50 Wash 35 Mts. wide co. N.

40.00 Top of bluff brs. E. and N.

Set a sandstone 19x12x10

ins. 13 ins. in the ground

for 23½ mile cor. marked

N. M. I. R. N. B. 23½ M.

and raised a mound

of stone 1½ ft. high 3½

ft. base alongside.

From which

a Juniper<sup>tree</sup> 8 ins. in diam.

brs. S. 74° E. 108 Mts. dist.

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

23½ M. B.T.

An oak tree 9 ins. in diam.

brs. N. 2° N. 24 Mts. dist.

Chain West Boundary

marked N.M.L.O. N.B.

23½ M. B.T.

49.70 Gulch 25 Mts. wide Co. N.

51.50 Trail br. N.E. - S.W.

59.30 " " S.E. - N.W.

62.00 Wash 50 Mts. wide Co. S.E.

65.00 Pass wash 50 Mts. wide Co. S.W.

65.25 Trail br. N.E. - S.W.

80.00 Set a limestone 24x20x12  
ins. 16 ins. in the ground  
for 24 mile cor. marked  
N.M.L.O. N.B. 24 M. and  
raised a mound of stone  
2½ ft. high 5 ft. base  
abovgsid.

From which

An oak tree 16 ins. in  
diam. br. N. 47° E. 76 Mts.  
dist marked N.M.L.O.  
N.B. 24 M. B.T.

## Chains White Mt. Ind. Reservations

All oak tree 19 ins. in diam.

hs. S. 24° N. 181 Ms. dist.

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

24 M. B. T. ✓

A Juniper tree 9 ins. in diam.

hs. S. 13° N. 52 Ms. dist.

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

24 M. B. T.

All oak tree 16 ins. in diam.

hs. N. 1 Ms. dist. marked

N. M. I. R. N. B. 24 M. B. T.

Surface hilly.

Soil 4<sup>th</sup> rate

Juniper and oak timber.

Some oak brush.

Grass fair.

Var. 17° 35' E.

## Chains West Boundary

South on 25<sup>th</sup> Mile.

Va. 12°35' E.

3.75 Wash 50 Ms. wide co. S.E.

7.00 " 75 " " " E.

- Water 10 Ms. N. pure and permanent

Stems Descended lower about 1/4 mile up wash.  
Ascend.25.00 Top of hill br. E. and N. about  
175 ft. high. Descend.

33.60 Gulch 15 Ms. wide co. N. Ascend

40.00 Set a limestone 17x13x7 ins. 11  
ins. in the ground for  
24 1/2 mile cor. marked  
N. M. S. R. N. B. 24 1/2 M.  
and raised a mound  
of stone 1 1/2 ft. high 3 1/2  
ft. base along side.  
From whichAn oak tree 20 ins. in  
diam. br. S. 60° E. 40 Ms.



## Chains White Mt. Ind. Reservation

dist marked. N. M. S. R.

N. B. 24 1/2 M. D. J.

An oak tree 10 ins. in diam.

br. N. 66. S. No. dist marked

N. M. S. R. N. B. 24 1/2 M. D. J.

Descend

45.00

Set 20 M. mile co. N. N.

Ascend.

80.00

Set a sandstone 28x13x8 ins.

18 ins. in the ground for  
25 mile co. marked. N. M.

S. R. N. B. 25 M. and

raised a mound of stones  
2 1/2 ft. high 5 ft. base  
alongside

From which

An oak tree 13 ins. in

diam br N. 13° E. 109 M. No.

dist. marked N. M. S. R.

N. B. 25 M. D. J.

## Chains West Boundary

A Juniper tree 10 ins. in diam.  
 brs. N.  $35\frac{1}{2}$ ° E. 78 Mts. dist.  
 marked N. M. L. R. H. B.  
 25 M. B. T.

An oak tree 9. ins. in diam.  
 brs. N.  $57\frac{1}{2}$ ° W. 106 Mts. dist.  
 marked N. M. L. R. H. B.  
 25 M. B. T.

An oak tree 18 ins. in diam.  
 brs. N.  $37$ ° W. 123 Mts. dist.  
 marked N. M. L. R. H. B.  
 25 M. B. T.

A monument of stones brs. N.  $37$ ° E. 104  
 Mts. dist.

Surface lilly  
 Soil 3<sup>rd</sup> and 4<sup>th</sup> rate  
 Mangarita and oak brush.  
 Grass fair  
 Va.  $12^{\circ}30'E$ .

## Chaco White Mt. Ind. Reservation.

Death on 26<sup>th</sup> Mill.

Va. 12° 30' E.

Descend N. slope

40.00

Set a limestone 6x3x12 ins, 10 ins  
in the ground for 25 1/2 mile  
cor. marked, N. M. I. R.

N. B. 25 1/2 M. and raised  
a mound of stone 1 1/2 ft.  
high 3 1/2 ft. base alongside.

From which

An oak <sup>tree</sup> 21 ins. in diam. brs.

N. 70° E. 99 Mo. dist. marked  
N. M. I. R. N. B. 25 1/2 M. B. S.

A Juniper <sup>tree</sup> 10 ins. in diam. brs.

S. 70° W. 40 Mo. dist. marked  
N. M. I. R. N. B. 25 1/2 M. B. S.

44.75

Wash 50 Mo. wide co. E. ascend.

54.10

Trail to E. and W.

68.00

Top ridge brs. E. & W. } descend  
about 90 ft. high. }

## Chain West Boundary

72.00 Subk 40 lbs. mid co. N.E. corner

80.00 Set a limestone  $18 \times 12 \times 10$  ins. 12  
ins. in the ground for 26 M.  
cor. marked N. M. I. R. N. B.  
26 M. and raised a mound  
of stone  $2\frac{1}{2}$  ft. high 5 ft. base  
alongside.

From which

An oak tree 10 ins. in diam.  
br. N.  $18^{\circ}$  E. 69 lbs. dirt marked  
N. M. I. R. N. B. 26 M. B. T.

An oak tree 19 ins. in diam. br.  
D.  $72^{\circ}$  E. 24 lbs. dirt marked  
N. M. I. R. N. B. 26 M. B. T.

An oak tree 19 ins. in diam. br.  
D.  $47\frac{1}{2}^{\circ}$  N. 23 lbs. dirt marked.  
N. M. I. R. N. B. 26 M. B. T.

An oak tree 13 ins. in diam. br.  
N.  $70^{\circ}$  N. 38 lbs. dirt marked.  
N. M. I. R. N. B. 26 M. B. T.

Chains White Mt. Nat. Reservation

Surface lily  
Soil 1<sup>st</sup> and 3<sup>rd</sup> note.  
Timber mostly oak.  
Good grass.

No. 12° 15' E.

Camp. July 22<sup>nd</sup> 1890.

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## China West Boundary

South on 27<sup>th</sup> Mile.

Va. 12° 15' E.

Descending.

11.30 Gulet 10 Mts. wide co. N.W.

Ascend

25.00 Top of ridge brs. N.W. & S.E. about  
100 ft. high. Descend.

32.50 Gulet 10 Mts. wide co. N. Ascend

36.00 Top ridge 200 ft. high brs. E. & N.  
and descend

40.00 Set a limestone 16 x 13 x 10 ins.

11 ins. in the ground for  
26 1/2 M. cor. marked N.W.

S. B. N. B. 26 1/2 M. and raised

a mound of stone  
1 1/2 ft. high 3 1/2 ft.  
base along side.

From which

An oak tree 15 ins. in diam.  
brs. S. 15° E. 53 Mts. dist. marked

## Chains West Mt. Ind. Reservoir.

N.M.I. R. N. B. 26 1/2 M. B. F.

all oak tree 12 ins. in diam.

br. N. 45° W. 110 Mo. dist. marked

N.M.I. R. N. B. 26 1/2 M. B. F. x

50.00

Foot ridge br. N. N. S. E. cross

Gulch 10 Mo. wide co. N. W.

53.00

" " " " " "

69.75

" " " " " "

74.50

Ascend over E. point spur.

80.00

Set a sandstone 18x13x10 ins.

12 ins. in the ground fr. 27 M.

corr. marked, N.M.I. R. N. B.

27 M. and raised a mound

of stone 5 1/2 ft. high 5 ft. base  
alongside.

From which

All oak tree 15 ins. in diam. br.

P. 62° E. 131 Mo. dist. marked

N.M.I. R. N. B. 27 M. B. F.

all oak tree 17 ins. in diam.

## Chains Not Boundary

to. S. 36° E. 102 Mo. dist. marked  
 N. M. L. R. N. B. 27 M. B. T.

On oak tree 10 ins. in diam. to  
 S. 53° N. 35 Mo. dist. marked  
 N. M. L. R. N. B. 27 M. B. T.

On oak tree 7 ins. in diam. to  
 S. 53° N. 87 Mo. dist. marked  
 N. M. L. R. N. B. 27 M. B. T.

Surface rough - lilly.

Soil 3rd rate

Thick oak & some pine timber.  
 Grass good.

Va. 12° 15' E.

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## Chico Mts. Ind. Reservation.

Route on 28<sup>th</sup> Mile.

Va. 12° 15' E.

Ascending.

- 4.00 Top. E. end spur: 85 ft. high. W. E. & N. Descend.
- 8.20 Foot. spur. Gull 9 hrs. wide co. E.
- 21.40 Deep gull. 15 hrs. wide co. E. ascend.
- 31.50 Top. ridge 110 ft. high. W. E. & N. Descend.
- 40.00 Set a sandstone 16x14x9 ins. 10 ins. in the ground for 27 $\frac{1}{2}$  mile cor. marked N.M. I. R. N.B. 27 $\frac{1}{2}$  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 8 ins. in diam. W. D. 53° E. 75 hrs. dist. marked N.M. I. R. N.B. 27 $\frac{1}{2}$  M. O.T.

## Chains West Boundary

- All oak tree 15 ins. in diam.  
 No. 0.48<sup>00</sup>N. 18 No. dist. marked  
 N.M.L.R. N.B. 27<sup>1</sup>/<sub>2</sub> M. B.T.
- 42.30 Gulch 4 No. wide Co. E. ascend
- 48.00 Top. ridge 100ft. high No. E. + N. descend
- 58.15 Foot ridge No. E. + N. cross gulch  
 5 No. wide Co. E. ascend
- 71.50 Top. ridge 200ft. high No. E. + N.  
 Descend
- 80.00 Set a sandstone 17X13X11 ins.  
 11 ins. in the ground for 28 m.  
 Co. marked N.M.L.R. N.B.  
 28 M. and raised a mound  
 of stone 3<sup>1</sup>/<sub>2</sub> ft. high 5 ft.  
 base alongside.  
 From which  
 All oak tree 11 ins. in diam.  
 No. 7, 10<sup>1</sup>/<sub>2</sub> E. 86 No. dist.  
 marked. N.M.L.R.  
 N.B. 28 M. B.T.

Rainier Forest Mt. Sub. Reservation

all oak tree 16 ins. in diam.

hs. N. 62° E. 58 lbs. dist.

marked N. M. I. A. N. B.

28 M. B. T.

all oak tree 11 ins. in diam.

hs. S. 18° N. 30 lbs. dist.

marked. N. M. I. A.

N. B. 28 M. B. T.

all oak tree 10 ins. in diam.

hs. N. 90° N. 32 lbs. dist.

marked. N. M. I. A. N. B.

28 M. B. T.

Surface mountainous

Soil 2<sup>nd</sup> and 4<sup>th</sup> rate

Thick oak timber some pine.

Good grass

Na. 12° 15' E.

RM

Chain Not Boundary  
 South on 29<sup>th</sup> Mile.  
 Var. 12° 15' E.

Descending.

- 6.10 Gulch 20 lbs. wide co. E. ascend.
- 20.00 Top ridge bet. E. and N. 400 ft. high  
 descend
- 34.50 Gulch 50 lbs. wide co. E. ascend.
- 4000 Set a sandstone 18 x 2 x 10 ins. 12  
 ins. in the ground for 28 1/2 mile  
 on marked. N.M. S. R. N. B. 28 1/2 M.  
 and raised a mound of stone  
 1 1/2 ft. high 3 1/2 ft. base alongside  
 From which
- A Juniper <sup>tree</sup> 20 ins. in diam. bet.  
 S. 27° E. 89 lbs. dist. marked.  
 N.M. S. R. N. B. 28 1/2 M. B.T.
- A Juniper <sup>tree</sup> 26 ins. in diam. bet.  
 N. 16° N. 40 lbs. dist. marked  
 N.M. S. R. N. B. 28 1/2 M.  
 B.T.

## Chains Shiloh Mt. Ind. Reservation.

80.00 Set a sandstone 18" 16 x 8 ins.

12 ins. in the ground for

29 with cor. marked <sup>N. M. I. R. N. B.</sup> 294m. and raised a mound  
of stone 2 1/2 ft. high 5 ft. base  
alongside.

From which on

One oak <sup>tree</sup> 11 ins. in diam. br.

N. 15° E. 55 lbs. dist. marked

N. M. I. R. N. B. 29 M. B. T.

A Juniper tree 30 ins. in diam.

br. N. 63° E. 64 lbs. dist. marked

N. M. I. R. N. B. 29 M. B. T.

One oak <sup>tree</sup> 11 ins. in diam. br.

S. 75° E. 53 lbs. dist. marked

N. M. I. R. N. B. 29 M. B. T.

A Juniper tree 26 ins.

in diam. br. S. 73° N. 90

lbs. dist. marked. N. M. I. R.

N. B. 29 M. B. T.

Chain. West Boundary of

Surface mountainous  
Soil 4<sup>th</sup> - 10<sup>th</sup> rocky

Thick oak and Juniper trees.

Some pines.

Grass fair.

7a. 12° 15' E.

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## Chains White Mt. Ind. Reservation

Death in 30<sup>th</sup> Mile.

Tn. 12°15' E.

9.00 Descend.

25.65 Wash. 65 lbs. ridge or mt. ascend

40.00 Set a sand stake 1651618 ins. 11 ins. in  
the ground for 29½ Mile cor.

marked N. M. I. A. N. B. 29½ M.

and raised a mound of  
stone 1 1/2 ft. high 3 1/2 ft. base  
slingside.

From which a

A pine tree 21 ins. in diam. no.

N. 85° E. 50 lbs. dist. marked

N. M. I. A. N. B. 29½ M. B. 5.

A pine tree 22 ins. in diam. no.

S. 24° E. 25 lbs. dist. marked.

N. M. I. A. N. B. 29½ M. B. 5.

Ascend.

51.00 Top. of high ridge or mt. 1500 ft.  
above center no. E. N. descend into

Chino West Boundary

8000 Canon Co. E. heads 1 Mile West.  
 Set a sandstone 23x20x6 ins. 16  
 ins. in the ground for 30  
 miles on marked N. M. I. R.  
 N. B. 30 M. and raised a  
 mound of stone 2 1/2 ft.  
 high 5 ft. base alongside.

From which

A Juniper tree 35 ins. in diam.  
 hrs. N. 27 1/2° E. 64 hrs. dist.  
 marked, N. M. I. R. N. B.  
 30 M. B. J.

An oak <sup>tree</sup> 12 ins. in diam. hrs.  
 N. 84° E. 60 hrs. dist. marked  
 N. M. I. R. N. B. 30 M. B. J.

An oak tree 14 ins. in diam.  
 hrs. N. 89° W. 40 hrs. dist. marked  
 N. M. I. R. N. B. 30 M.  
 B. J.



Chavis Mts. Mt. Lind. Reservation

a Juniper tree 24 ins. in  
diam. in N. 13 1/2 W.

32 Mo. dist. marked

N. M. I. R. N. B. 30 M. B. J.

Surface mountainous  
Soil 2nd rate and rocky.

Oak, pine and juniper timber  
Grass fair.

Va. 12-15-E.

## Chains West Boundary

North on 31<sup>st</sup> Mile.

Va. 12° 15' E.

Descend into cañon,  
1875 Bottom of cañon, wash 70 lbs.  
wide co. E. water in spring  
1/2 mile E. Ascend.

Camp July, 23rd, 1890.

30.00 Leave cañon to E. and  
ascend toward Double 20 Butte

40.00 Set a sandstone 16x16x11 ins,  
pins, in the ground for  
30 1/2 inch circ. marked  
N.W. 1/4. N.E. 1/4. S.W. 1/4. S.E. 1/4. and  
raised a mound of  
stone 1/2 ft. high 3 1/2 ft.  
bar alongside.

From which

a Juniper tree 31 ins. in  
diam. to N. 5° E. 81 lbs.  
dist. marked

Chains White Mt. Sed. Reservation

N.M.I. R. N. B. 30 1/2 M. B. T.

A Juniper tree 17 ins. in diam.  
 W. 72° E. 57 Mts. dist.

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

30 1/2 M. B. T.

Country slopes W.W. toward  
 Cherry creek.

80.00

Set a sandstone 16x14x10 ins.

10 ins. in the ground for

3/4 mile. cor. marked

N.M. I. R. N. B. 31 M. and

raised a mound of stone

3 1/2 ft. high 5 ft. base alongside.

From which

An oak tree 21 ins. in diam.

W. 71° E. 57 Mts. dist. marked.

N.M. I. R. N. B. 31 M. B. T.

A Juniper tree 24 ins. in

diam. W. 55° E. 65 Mts.

dist. marked. N.M. I. R.

Chains West Boundary

N. B. 31 M. B. T.

All oak tree 21 ins. in diam.  
 br. S. 22° W. 40' No. dist. marked.

N. M. I. R. N. B. 31 M. B. T.

all oak tree 19 ins. in diam. br.  
 S. 64° W. 81' No. dist. marked.

N. M. I. R. N. B. 31 M. B. T.

Surface in mountainous

Soil rocky 3<sup>rd</sup> rate.

Timber, oak and juniper a few  
 pine in cañon

Ford grass.

Ta. 12° 15' E.

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Chimney Mts. Mt. Ind. Reservation

Point on 3<sup>rd</sup> mill.

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

Ascend.

20.85 To monument previously established on Sombroso Butte. From which

✓ A sharp peak br. S.  $45^{\circ} E$ .

✓ Top high mt. on south side of

✓ Oak River br. S.  $6\frac{1}{2}^{\circ} E$ .

✓ Sombroso Chiquito br. S.  $6\frac{1}{2}^{\circ} N$ .

✓ Round top peak br. N.  $51\frac{1}{2}^{\circ} E$ .

✓ Highest point Graham Mts. br. S.  $30^{\circ} E$ .

✓ Highest point Pinal Mts br. S.  $42^{\circ} N$ .

I additionally mark the cor. star

31.26 M. P. S.  $12^{\circ} 18' E$ .

which is the course of the true line connecting Sombroso Butte with Chimney Peak or Butte.

7,100 ft above sea level.

Chain West Boundary

From this monument I run S.  $12^{\circ}18'E$ .

The course of the true line  
was determined by observation  
on the star Polaris.

23.00 Descend from Romero Butte,  
40.00 Set a sandstone  $20 \times 18 \times 12$  ins, 15 ins  
in the ground for  $31\frac{1}{2}$  mile cor.  
marked N. M. L. R. N. B.  $31\frac{1}{2}$  M.  
and raised a mound of stone  
 $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base alongside.  
No trees within limits.

80.00 Set a sandstone  $18 \times 12 \times 10$  ins.  
12 ins. in the ground for  
37 mile cor. marked N. M. L. R.  
N. B. 32 M. and raised a  
mound of stone  $2\frac{1}{2}$  ft. high  
5 ft. base alongside.  
No trees within limits.

*Desfas maculata*  
Set 4<sup>th</sup> rate all rocks on Butte  
Some grass on N. side Butte  
Scattered Juniper Trees  $N. 12^{\circ}15'E$ .

## Chains White Mt. Ind. Reservation

South <sup>12° 15' E.</sup> <sub>in</sub> 33<sup>rd</sup> mile.

To 12° 15' E.

Descending

- 18.00 Trail on N.E. r.d.N.
- 30.00 Subl 1<sup>st</sup> side co. S.W. Foot  
of Double Butte, Thence over  
N. end. Mt. ridge
- 40.00 Set a granite stone 18x12x12 ins. 12  
ins. in the ground for 32<sup>1</sup>/<sub>2</sub>  
mils on. marked N.M.I.R.  
N. O. 32<sup>1</sup>/<sub>2</sub> M. and raised a  
mound of stone 1<sup>1</sup>/<sub>2</sub> ft. high 3<sup>1</sup>/<sub>2</sub> ft.  
base alongside.
- No trees within limits
- July 24<sup>th</sup> 1890,
- 54.00 Top N. end. Mt. ridge 300 ft.  
high. extends 1 Mile E. Descend  
over large granite boulders.
- 80.00 Set a granite stone 15x12x12 ins. 10  
ins. in the ground for 33

Chain Mark Boundary

mile cr. marked N. M. I. R.  
N. B. 33 M. and raised  
a mound of stone 2½ ft.  
high 5 ft. wide along side.  
No trees within limits.

Surface mountainous  
Soil 4<sup>th</sup> rate

No timber

Some grass.

Ya. 12° 15' E.

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## Chains White Mt. Ind. Passcations

<sup>12° 18' E.</sup>  
Ditch in 34<sup>th</sup> mile.

<sup>20.</sup> 12° 15' E.

- 27.50 Descending over granite boulders.  
Foot spur w. S. E. & N. W. cross  
trail w. S. E. & N. W. ascend
- 38.00 Top ridge 60 ft. high w. E. N.  
Descend.
- 40.00 Set a granite stone 14x14x14 ins.  
9 ins. in the ground for  
33<sup>1</sup>/<sub>2</sub> mile cr. marked  
N. W. L. R. N. B. 33<sup>1</sup>/<sub>2</sub> mi.  
and raised a mound  
of stone 1 1/2 ft. high 3 1/2  
ft. base along grade  
Notes within limits
- 52.00 Foot spur w. E. N. cross  
trail w. S. E. & N. W.  
thru over granite flat.
- 80.00 Set a granite stone 14x13x10 ins  
15 ins. in the ground for

Chains West Boundary

34 miles cor. marked N. M.

N.R. N. B. 34 M. and raised  
a mound of stone 2 1/2  
ft. high 5 ft. base alongside

No trees within limits

Surface hilly & rolling.

Soil 4<sup>th</sup> rate

Fair grass.

N 12° E.

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Chavis Mts. Mt. Ind. Reservations

South <sup>12° 18' E.</sup> 35<sup>1/2</sup> Mi.

Va. 12° E.

Over flat.

40.00 Set a conglomerate rock  
13x13x13 ins. 8 ins. in  
the ground for 34<sup>1/2</sup> mile  
Cor. marked N. M. I.

R. N. B. 34<sup>1/2</sup> M.: dug  
pit 24x18x12 ins. ~~and~~  
line N. 12° 18' W. pl. 12° 18' E.

6 ft. dist. from stem, and  
raised a mound of  
earth 1<sup>1/2</sup> ft. high, 3<sup>1/2</sup> ft.  
base alongside

No trees within level's  
crescent ridge

54.50 Top ridge W. N. E. r. S. W. 100 ft.  
high descend into canyon.

80.00 Set a granite stone 24x16x14 ins.  
16 ins. in the ground for

## Chains West Boundary

35' Mich. cor. marked N. M. S. R.  
 N. B. 35 M. dug pits 24x18x  
 12 ins. on line and at right:  
 angles to line 6ft. dist. and  
 raised a mound of earth  
 1½ ft. high 5ft. base  
 alongside.

No trees within limits  
 Surface flat & hilly.  
 Soil 3rd rot.

Some grass.

Scattering brush

Va. 12° 15' E.

---

Chains. White Mt. Ind. Reservations

On  $12^{\circ}18'E$ . on 36 mile.

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

Descending.

0.00 Bottom crevices on S.W. good water in holes. permanent.

Ascend.

26.00 Top ridge on N.E. & S.W. about 200 ft. high, Descend

47.00 Foot ridge: Gull 13 Mts. <sup>wide</sup> on S.W.

Ascend

40.00 Set a gnomon: stem 15x12x11 ins 10 ins. in the ground for 35 1/2 with on. marked

N. M. L. R. N. B. 35 1/2 rd. and raised a mound of stone 1 1/2 ft. high 3 1/2 ft. base along side

No trees with in vicinity

43.00 Top ridge on N.E. & S.W. 90 ft. high Descend.

## Chain's West Boundary.

- 48.00 Gull 20 lbs. wide co. S.W.  
Ascend
- 62.00 Top ridge bet. N.E. & S.W. about  
100ft. high; Descend
- 71.00 Gull 20 lbs. wide co. S.W. <sup>ascend</sup>
- 80.00 Top ridge bet. N.E. & S.W. about  
200ft. high -  
Set a sandstone 17x13x10 ins.  
11 ins. in the ground for 36 inch  
cor. marked N.W. & S.W. N.B.  
36 M. and raised a  
mound of stone 2½ ft.  
high 5 ft. base along ridge.  
No trees within limits.  
→ Descend  
Surface rough & hilly.  
Soil 4½ rate  
No timber, some oak brush  
Va. 12° 15' E.
-

Chinle White Mt. Ind. Reservation

O.  $12^{\circ} 18' E.$  on  $37^{\frac{1}{2}}$  mile

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

Descend

37.50 Wash 50 lbs. mids in cañon co. Mt.  
ascend across gullies and over ridges.

37.50 Gull. 5 lbs. mids Co. N.

40.00 Set a sandstone  $20 \times 12 \times 9$  ins.  
3 ins. in the ground for  $36^{\frac{1}{2}}$   
mile cor. marked N. W.

I. O. N. B.  $36^{\frac{1}{2}}$  M. and  
raised a mound of stone  
 $1^{\frac{1}{2}}$  ft. high  $3^{\frac{1}{2}}$  ft. base  
alongside.

No trees within limits

42.50 Gull. 5 lbs. mids Co. N.

50.30 " 10 " " " "

57.75 " 10 " " " S.W.

ascend

63.00 Top ridge to. N.E. & S.W. about  
 $250$  ft. high descend.

## Chains West Boundary

- 8000 Foot ridge to N.E. + S.W. Mark  
1 ch. wide ov. st. ~~...~~
- 5000 Set a sandstone  $15 \times 12 \times 12$  ins.  
10 ins. in the ground for 37  
with cor. marked N.W. S.E.  
N.W. 37 M. and raised a  
mound of stone  $2\frac{1}{2}$  ft. high.  
5 ft. base along side.  
No trees within limits  
Surface uneven  
Soil 4<sup>th</sup> rate  
No timber  
Va.  $12^{\circ} 15' E.$
-



## Chains White Mt. Land. Reservation

D. 12° 18' E. on 38<sup>th</sup> Mile.

Ta. 12° 15' E.

Ascend.

19.50 Top of ridge bet. N.E. & S.W.  
about 300 ft. high. Descend33.75 Foot. Wash 25 Mts. wide co.  
S.W. ascend40.00 Top of ridge bet. N.E. & S.W. about  
400 ft. high. andDug a sandstone 17x13x10 ins. 11 ins.  
in the ground for 37 $\frac{1}{2}$  mile cor.  
marked N.W. & S.W. B.37 $\frac{1}{2}$  M. and raised a  
mound of stone 1 $\frac{1}{2}$  ft. high  
3 $\frac{1}{2}$  ft. base alongside.

No trees within limits

Descend

62.00 Foot ridge! Wash 150 Mts. wide.  
Co. S.W. ascend

Stains West Boundary

80.00 Set a sandstone 20x10x10 ins. 13 ins. in the ground for 38 mile cor. marked N.M.S. Co. N.D. 38 M. and raised a mound of stone 2 1/2 ft. high 5 ft. long alongside.

No trees within limits

Barren mountainous

Soil 4th rate

Grass fair

No. 12° 15' E.

---

## Chains White Mt. Land Reservation

D. 12° 18' E. on 39th Mile.

N. 12° 15' E.

Ascending mt. ridge.

850

Top of ridge bet. N.E. & D.M.  
about 350 ft. high, Descend

950

Foot of ridge; Wash 30 Sps.

Mile co. D.M. Ascend

10.00

At a sandstone 18 1/2 x 12 1/2 ins. 12  
ins. in the ground for  
3 1/2 mile cor. marked N.M.I.O. N.B. 3 1/2 M. and  
raised a mound of about 1 1/2  
ft. high 3 1/2 ft. tall alongside  
No trees within limits.

11.00

Top of ridge bet. N.E. & D.M. about  
500 ft. high. Descend.

15.00

Bottom canon co. D.M. ascend

16.00

Top of mt. ridge bet. N.E. & D.M.  
about 800 ft. above country on S.  
and 300 ft. above country on N.

## Chains West Boundary

61.50 Trail to N.E. of N. D. Ground.

80.00 Set a sandstone 18x12x12 ins.  
 12 ins. in the ground for  
 39 mile cor. marked N.M. & R.  
 N.B. 39 M. and raised a  
 mound of stone 2 1/2 ft high  
 5 ft. base along side  
 of no trees within limits  
 Surface mountainous  
 Soil 4<sup>th</sup> rate  
 Some grass.

Va. 12° 15' E.

---

Chains Nishi Mt. Ind. Reservation

D. 12° 18' E. on 40<sup>th</sup> mile

Va. 12° 15' E.

Descending to Salt River.

40.00

Set a limestone 18x12x12 ins.

12 ins. in the ground for  
39½ mile cor. marked N.M.

I.R. N.B. 39½ M. and

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

No trees within limits

42.15

Set at 15 Mo. mile co. D.

Descend more gradually

0.00

Set a limestone 18x12x12 ins.

12 ins. in the ground  
for 40 mile cor. marked  
N.M. I.R. N.B. 40 M. and

raised a mound of  
stone 2½ ft. high 5 ft.  
base alongside

Chain's West Boundary

No trees within limits

Surface mountainous

Soil 4<sup>th</sup> rate

Scattering Brush

Va. 12° 15' E.

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## Chains White Mt. Ind. Reservations

D.  $12^{\circ} 18' E.$  on 41<sup>st</sup> MileVa.  $12^{\circ} 15' E.$ 

23.00 Descend into tax cañon ca. S.E.

26.00 Bottom cañon 100 yds wide ascend

40.00 Leave cañon, about 100 ft. deep

and set a limestone  $18 \times 16 \times 8$  ins.  
12 ins. in the ground for40 $\frac{1}{2}$  mile cor. markedN.M. I. R. N. B. 40 $\frac{1}{2}$  M.and raised a mound  
of stone  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft.  
base alongside.

No trees within limits

56.00 <sup>Enter</sup> Wash co. S.E.

60.75 Leave wash co. S.E. ascend

80.00 Set a limestone  $20 \times 12 \times 12$  ins.

13 ins. in the ground for

41 mile cor. marked

N.M. I. R. N. B. 41 M.

and raised a mound

Chain West Boundary

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

No trees within limits.

Surface mountainous  
soil 4th rate

Scattering greasewood and  
mesquite brush

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

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See final notes in Book 4



BOOK 1966

Louis White Mt. Ind. Reservations.