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1968

1968

Approved May 21-1891

BOOK 1968

Book No. 4.

4-671

1968

1968

FIELD NOTES

~~GENERAL LAND OFFICE~~

West Boundary of
White Mountain Indian
Reservation.

By Geo C. Smith, D.S.

Contract No 12.

May 16, 1890

1968

Miles

Index

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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 ^{no. 12} dated May 16 1890

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

1A

BOOK 1968

Chains

West Boundary

S. 8° 21' N. on 7/2nd mile
 Va. 12° 45' E.

Descending

5.80 Foot ridge; Gulch 100 yds wide cor. N.E.

Ascend

15.10 Top ridge about 400 ft. high cor. E. & N.

15.10 Trail ~~to~~ E. & N. Descend

34.70 Gulch 250 yds wide cor. S.E. ascend

40.00 Set a sandstone 16 x 14 x 12 ins. in
 ins. in the ground for
 70 1/2 mile cor. marked
 N. M. S. R. N. B. 70 1/2 M.

and raised a mound of
 stone 1 1/2 ft. high 3 1/2 ft. long
 alongside.

No trees within limits.

41.00 Top E. point ridge about 90 ft. high
 descend; Extends West

47.75 Bottom main cañon, cross
 400 yds wide. Cor. E. good water
 in place permanent

limits White Mt. Ind. Reservation.

Ascent

1,000 Top N. point ridge about 45 ft. high
ridge extends E. $\frac{1}{2}$ mile. Descend.

11,000 Foot. Gully 20 ft. wide ca. E. ascent.

2,000 Set a quartzite ^{rock} 20x14x10 ins. 13
ins. in the ground for 71st
mile ca. marked N. M. I. R.

N. B. 71 M. and raised a
mound of stone 2 $\frac{1}{2}$ ft. high 5 ft.
bar. alongside.

No trees within limits

Surface mountainous

Soil 1st and 4th rate

Dense oak, manzanita and
cedar brush in cañons.

N. 12° 25' E.

Chinus Mpt Boundary

P. $8^{\circ} 21' N.$ on 72^{nd} Mile
 Va. $12^{\circ} 25' E.$

Ascend.

10.50 Top ridge br. E. & N. about 200
 ft. high. Descend

20.50 Walk in cañon. 20 ths. wide
 co. E. ascend.

25.00 Top of rare perpendicular ledge
 of rocks. 100ft. high. br. E. & N.
 Descend.

27.70 Gully. 15 ths. wide co. N. $10^{\circ} E.$
 Walk up gully to top notch in
 limestone ledge.

37.00 Top br. E. & N. about 150ft. above
 cañon.

40.00 Put a limestone $N 41^{\circ} 12' W.$ on, 10 ins
 in the ground for $71\frac{1}{2}$ miles
 com marked N. M. J. O. N. B.
 $71\frac{1}{2}$ M. and raised a mound
 of stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$

Chains White Mt. Ind. Reservation -

ft. tall alongside -

No trees within limits.

ascend gradually to top of ridge

600 Top about 300ft. high in E.W.

Descend.

4750 Gulch 10 ft. wide ca. E. ascend

3000 Set a quartzite rock 18x16x10 ins.

12 ins. in the ground for

7^{2nd} with ca. marked N.W.

I.R. N.B. 72 m. and raised

a mound of stones 2 1/2 ft. high

5ft. tall alongside.

No trees within limits

Surface mountainous

Soil 4th val -

Dense brush in canyons.

Scattering cedar and oak trees.

Pa. 12° 25' E.

Chain West Boundary

D. 8° 21' N on 73rd mile
Va. 12° 25' E.

Ascend.

- 800 Top of ridge bet. E. and N. about
175 ft. high. Descend
- 14.25 Foot. Gulch 10ths wide heads short
distance N. to E. Ascend.
- 1850 Top, ridge bet. E. and N. about 150 ft.
high. Descend.
- 25.40 Foot. Gulch 20 ths wide to E. ascend
- 32.75 Top of hill round top about
180 ft. high. Descend.
- 40.00 Put a limestone 18x18x15 ins.
12 ins. in the ground for
73^{1/2} mile cor. marked
N. M. L. A. N. B. 73^{1/2} m.
and raised a mound of
stone 1/2 ft. high 3/2 ft. base
all around.
From which

Chains Mills Mt. Ind. Reservation

A pine tree 19 ins. in diam. tr.

N. $24\frac{1}{2}^{\circ}$ E. 33 lks. dist. marked

N. M. I. R. N. B. $72\frac{1}{2}$ M. B. T.

A pine tree 10 ins. in diam. tr.

N. 72° E. 28 lks. dist. marked

N. M. I. R. N. B. $72\frac{1}{2}$ M. B. T.

490 Foot hill! Gulch 8 lks. ride co E, ascend

000 Top low ridge tr. E. N. about 60 ft. high, Descend.

850 Gulch 15 lks. ride co E. ascend.

000 Set a granite rock $16 \times 14 \times 12$ ins. 11 ins. in the ground for 73^{rd} mile cor. marked.

N. M. I. R. N. B. 73 M. and raised a mound of stones $2\frac{1}{2}$ ft. high 5 ft. base along side.

No trees within limits.

Surface mountainous.

Soil 4th rate rocky.

Some brush on Mt. sides
70. 12° $45'$ E.

Chairs West Boundary

D. 8° 21' N. on 74th Mile.

Ta. 12° 45' E.

Ascend

6.00 Top of hill about 250 ft. high to.

E. of N. Descent.

17.50 Foot. Gulch 40 ft. wide to E.

22.50 — " 30 " " N.E.

Ascend along N. slope

40.00 Hit a limestone 15x16x12 ins.

12 ins. in the ground

for 73^{1/2} mile cor. markedN.M. & O. N. B. 73^{1/2} M.and raised a mound
of stone 1 1/2 ft. high 3 1/2 ft.
base along side.

No trees within limits -

43.00 Top E. side peak. 400 ft. high

extends N. to lower ridge.

Descent gradually

51.50 Ascend.

Trails North W. Ind. Reservation -

- 71.50 Top high mt. ridge tr. E. - W.
about 500 ft. high thence over
same.
- 70.00 Set a limestone 20x20x18 ins. 13 ins.
in the ground for 74th mile cor.
marked, N. W. I. O. N. O. 74 W.
and raised a mound of stone
2 1/2 ft. high 5 ft. base along side.
No trees within limits.
2 springs about 5 chains. N. W.
Surface mountainous
Soil 4th rate
Dense oak and magnolia
brush
Va. 12° E.
-

Chains West Boundary

D. 8° 21' N. on 75th Mile.

Va. 12° E.

Over mt. top.

1895 Spring branch 2 lbs wide co E.
good water, permanent, spring about
4 1/2 chs N.

25.00 Descend along N. slope gulch

40.00 Set a limestone 14 x 13 x 12 ins.

9 ins. in the ground
for 74 1/2 mile cor. marked
N. M. L. R. N. O. B. 74 1/2 M
and raised a mound
of stone 12 ft high 3 1/2
ft. base along side.

No trees within limits

54.00 Creek 20 lbs wide co. S.E.

good water, ascend high ridge.

75.00 Top Mt. br. Er N. 35 ft. high

Descend into El. Capitán
Canyon.

James White Mt. Ind. Reservation

8000 Set a quartzite ^{rock} 17x16x8 ins. 11
ins. in the ground for
75 mile cor. marked
N. M. I. R. N. B. 75 MI.
and raised a mound of
stone 2½ ft. high 5 ft.
base along side.

No trees within limits.

Surface mountainous
Duff 1st and 4th rate

Good grass

Dense oak and mangrove
brush on mt. sides.

Var. 12° 25' E.

August 1st, 1890.

Chino West Boundary

D. $8^{\circ} 21' N.$ on 76^{th} mile
 To. $12^{\circ} 25' E.$

Descend into El Capitán Cañon

14.50 Road trs. E. and N.

16.50 Walk 25 Mts. wide co. E. in cañon
 ascend

40.00 Put a quartzite rock $15 \times 13 \times 12$ ins.
 10 ins. in the ground for
 $75\frac{1}{2}$ mile cor. marked
 N. M. L. R. N. W. $75\frac{1}{2}$ M. dug
 pit $24 \times 18 \times 12$ ins. on line 6 ft.
 dist. and raised a mound
 of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 base along side.

No trees within limits.

44.50 Leave cañon co. E.
 about 350 ft. deep. descend
 into gulch.

61.00 Spring good water 2000 E. of here.

62.50 Walk 25 Mts. wide, co. N. E.

Chairs White Mt. Indian Reservation.

Accord

25.20 Same wash 10 kca wide co N. 15° W.

30.00 Put a sandstone 19x13x9 ins.

13 ins. in the ground for
76 mile cor, marked

N. M. I. R. H. O. 76 Mi. and
raised a mound of stone
2 1/2 ft. high 3 ft. base
alongside.

No trees within limits

Surface mountains
Soil 2nd rate

Dense oak and manzanita
brush - scattering oak trees.
Ya. 12° 30' E.

Chains West Boundary

S. 8° 21' N. on 47th Mile
Ta. 12° 30' E.

Locus

5.20 Mark (same) 10 Mrs. wide cor. NE,
40.00 Set a sandstone 18x17x10 ins.
12 ins. in the ground for
76 $\frac{1}{2}$ mile cor. marked
N. M. I. Q. N. B. 76 $\frac{1}{2}$ 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 16 ins. in diam. to
N. 61° E. 6 Mrs. dist. marked
N. M. I. Q. N. B. 76 $\frac{1}{2}$ M. Q. S.

An oak tree 16 ins. in diam. to
S. 5° E. 27 Mrs. dist. marked
N. M. I. Q. N. B. 76 $\frac{1}{2}$ M. Q. S.

46.50 Top of ridge to E. and N. about
500 ft. high, 3/4 mile long.

Chains White Mt. Ind. Preservation

Disund

- 52.80 Deep gulch 20 lbs. wide co. E.
Across Main Mead mountain.
- 63.70 Small cañon 16. wide 25 ft. deep
co. E.
- 80.00 Put a sand stone $15 \times 15 \times 12$ ins.
10 ins. in the ground for
77 mile con. marked
N. M. I. R. N. O. 77 M. and
raised a mound of
stone $2\frac{1}{2}$ ft. high 5 ft.
base alongside.
From which
A pine tree 20 ins. in diam. to.
D. 88° E. 26 lbs. dist. marked
N. M. I. R. N. O. 77 M. O. T.
- A pine tree 21 ins. in diam. to.
D. 26° N. 76 lbs. dist. marked
N. M. I. R. N. O. 77 M. O. T.
- A pine tree 19 ins. in diam.

Chains Head Boundary

Tr. P. $36\frac{1}{2}^{\circ}$ N. 78 lbs. dist.
 marked N. M. I. A. N. B.
 77. M. B. T.

All oak tree 20 ins. in diam.
 tr. N. 23° N. 39 lbs. dist.
 marked N. M. I. A. N. B. 77
 M. B. T.

Surface mountainous
 Soil 2nd. rate

Good grass

Dense oak and manzanita
 brush 4650 chains

Scattering pine and oak timber
 Ta. $11^{\circ}40'E$.

Chains White Mt. Ind. Reservation

S. $8^{\circ} 21' N.$ on 78^{th} Mile

Va. $11^{\circ} 40' E.$

Round Mescal Mts.

2400 Top $W.$, $E.$ and $N.$ $7100 \text{ft} =$ above
sea level. The line crosses
a little $E.$ of highest point -

4000 ^{Round} Set a sandstone $17 \times 13 \times 10$ ins.

11 ins. in the ground for
 $77\frac{1}{2}$ mile cor. marked $N. M.$

S. R. $N. B.$ $77\frac{1}{2}$ $M.$ 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 21 ins. in diam. $W.$

$N. 33^{\circ} E.$ 72 $M.$ dist. marked

$N. M. S. R. N. B. 77\frac{1}{2} M. B. T.$

An oak tree 10 ins. in diam. $W.$

$N. 9^{\circ} N.$ 49 $M.$ dist. marked

$N. M. S. R. N. B. 77\frac{1}{2} M. B. T.$

Continue to descent.

Chains West Boundary

80.00 Rock in place 6x5 ft above ground flat top, which I marked with a cross (+) at exact cor point, and N.M.I. R. N. Q. 78 M. and raised a mound of stone 2 1/2 ft. high 5 ft. base alongside.

From which

An oak tree 13 ins. in diam. to N. 74° E. 25 Mts. dist. marked N.M.I. R. N. Q. 78 M. Q. T.

A pine tree 21 ins. in diam. to S. 81° E. 50 Mts. dist. marked N.M.I. R. N. Q. 78 M. Q. T.

An oak tree 9 ins. in diam. to S. 45° E. 71 Mts. dist. marked N.M.I. R. N. Q. 78 M. Q. T.

An oak tree 9 ins. in diam. to S. 48° W. 50 Mts. dist. marked

Hains Willi Mt. Ind. Reservation.

M. M. I. R. N. O. 78 M. B. T.

Surface mountains.

Soil 4th rate

Some grass

Timber of pine, oak and juniper.

Ta. 12° 15' E.

August Ind. 1890.

Chains West Boundary

D. $8^{\circ}21'N.$ on $79^{\frac{1}{2}}$ Mile
 Va. $12^{\circ}15'E.$

Discarding

425 Bottom cañon co. S.W. Leads $\frac{1}{4}$ mile
 N.E. have timber around

2650 Low cañon co. S.W.

4000 Set a limestone $15 \times 15 \times 12$ ins.

10 ins. in the ground
 for $78\frac{1}{2}$ mile cor. marked
 N. M. I. R. N. B. $78\frac{1}{2}$ M.
 and raised a mound
 of straw $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.

base alongside.
 no trees within limits.

8000 Set a limestone $17 \times 15 \times 8$ ins.

11 ins. in the ground for
 79 mile cor. marked.

N. M. I. R. N. B. 79 M.

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

Kans. Mich. Mt. Ind. Reservation

No trees within limits.

Surface mountains

Soil 4/16 rock rocky.

Timber of oak & juniper 2650' elev.

Oak brush

7a. 12° 15' E.

Chains

West Boundary

D. $5^{\circ}21'N$. on 80^{th} Mile.Va. $12^{\circ}15'E$.

Descending.

40.00 Set a limestone $20 \times 12 \times 10$ ins.
 13 ins. in the ground
 for $79\frac{1}{2}$ mile cor. marked
 W. M. L. R. W. B. $79\frac{1}{2}$ 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 along ridge to S.

46.50 Foot S. point. Subd N the mile co S.W.

47.50 Round to canyon

52.25 Bottom canyon ^{co. S.W.} ascend

64.00 Leave canyon Co. SW.

75.00 Subd N the mile co. SW

80.00 Set a limestone $20 \times 12 \times 11$ ins.
 13 ins. in the ground
 for 80 mile cor. marked

Chains White Mt. Ind. Reservation

W. M. S. R. N. D. 50 m. And
raised a mound of straw
2 1/2 ft high 5 ft. base
alongside.

S. side gulch

No. trees within limits

Surface mountainous
soil 4th rate

Very little vegetation.

Pa. 12° E.

Chains West Boundary

P. 8° 21' N. on 8^{1/2} mile
 7/4, 12° E.

Boundary along ridge about 75 ft. high

40.00 Set a limestone 20 x 12 x 12 ins.

13 ins. in the ground for
 80 1/2 mile cor. marked.

N. M. S. R. N. B. 80 1/2 M.

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

No trees within limits.

63.50 Foot S. point. Bulk 20 lbs. wide co. 5 ft.

Ascend

80.00 On S. N. point of ridge about 100 ft.

high. Set a limestone

15 x 15 x 12 ins, 10 ins. in the
 ground for 81 mile cor.
 marked N. M. S. R. N. B.

81 M. dug pits 24 x 18 x 12
 ins. on line and at right.

Chavez Kheili Mt. Ind. Reservation

angle to it. 6 ft. dist. and
raised a mound
of earth 2 1/2 ft. high 5 ft. base
alongside.

No trace within limits.

Surface rough

Depth 4th rate.

Some trash

Va. 12° 15' E.

Chains West Boundary

P. 8° 21' N. on 82nd mile.

7a. 12° 15' E.

Discard.

28.00 Gull 14. mids 20 ft. deep co. S.W.

40.00 Set a limestone 26x14x8 ins
17 ins. in the ground for
8 1/2 mile cor. marked

N. M. S. R. N. B. 8 1/2 M.

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

No pins within limits.

40.40 Gull 5 lbs. mids co. SW. into other one.

57.20 " 20 lbs " " S.E.

62.00 Enter valley 1/2 mile wide co. S.

80.00 Set a limestone 15x10x12 ins.
10 ins. in the ground for
82 mile cor. marked.

N. M. S. R. N. B. 82 M. day

pins 24x18x12 ins. on

Line Wd. Mt. Ind. Reservations

line and at right angles
to it: 6ft. dist. and raised
a mound of earth $2\frac{1}{2}$ ft.
high 5ft. tan alongside.

No trees within limits.

Surface rolling
Soil 2nd rate.

Grass poor.

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

27

BOOK 1968

BOOK 1965

Chains ~~1968~~ Boundary

D. 8° 21' N. on 83rd Mile.

Ya. 12° 15' E.

Over level country.

40.00 Set a granite rock 18x10x13 ins.
12 ins. in the ground for
82¹/₂ mile cor. marked
N. M. S. Q. N. Q. 82¹/₂ M.

and raised a mound of
stone 1¹/₂ ft. high 3¹/₂ ft.
base along side.

No trees within limits -

80.00 Set a granite rock 16x15x12
ins. 11 ins. in the ground
for 83 mile cor. marked
N. M. S. Q. N. Q. 83 M.

and raised a mound
of stone 2¹/₂ ft. high
5 ft. base along side

No trees within limits

Surface level

Chico White Mt. Sp. Parrot
and rolling -

Dist. Ind. nat.

No grass.

Palo Verde and mesquite
brush -

70. 12° 15' E

Chains West Boundary

D. $8^{\circ}21'N.$ on $84\frac{1}{2}$ mile
 Va. $12^{\circ}15'E.$

31.50 Enter Disappointment valley co. E.

34.50 Wash 75 lbs. side co. E.

40.00 Set a granite rock $18 \times 14 \times 12$ ins.
 12 ins. in the ground for
 $83\frac{1}{2}$ mile cor. marked
 N. M. L. R. N. O. $83\frac{1}{2}$ M. dug
 pits $24 \times 18 \times 12$ ins. in line
 left dist. and raised
 a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base alongside.
 No trees within limits

50.60 Road to E. and N.

55.50 Leave Disappointment valley co. E.
 Around Dripping Spring Mts.

80.00 Set a granite rock $19 \times 17 \times 9$
 ins. 13 ins. in the ground
 for 84 mile cor. marked
 N. M. L. R. N. O. 84 M.

Sanis N. Hill Mt. Ind. Reservation

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

No trees within limits.

Surface level ^{and} broken.

Soil 1st and 4th rate.

No grass.

Mesquite and Palo Verde brush.

70. 12° E.

August 4th 1890.

Chains West Boundary

S. $8^{\circ}21'$ W. on 85th Mile
 Ta. 12° E.

Desced.

- 1.00 Enter tributary wash to Disappointment
 valley. Co. N.E.
- 11.50 Leave wash. Start ascend over
 rough hills.
- 36.30 Wash 20 lbs. wide co. N.E.
- 40.00 Set a limestone $18 \times 14 \times 12$ ins. 12
 ins. in the ground for $84\frac{1}{2}$
 inch cor. marked. N. M. L. R.
 N. B. $84\frac{1}{2}$ M, and raised
 a mound of stone $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base along side.
 No trees within limits
- 42.50 Wash 20 lbs wide co. N.E.
- 62.50 " " " " " N.E. ascend
- 72.00 Top ridge on N.E. r.o.v. about
 100 ft high descend.

Line White Mt. Ind. Reservation.

000 Set a limestone 20x14x12 ins., 13
ins. in the ground for 85
mils. on. marked N. M.
I. R. N. B. 85 M. and
raised a mound of
straw 2½ ft. high 5 ft. base
alongside -

No trees within limits.

Surface rough hills and ridges

Soil 4th rate

Magubi and Palo Verde brush -

Var. 12°/0'E.

Chains West Boundary

S. 8° 21' N. on 86th Twp. line

Va. 12° 10' E.

Descent

6.00 Foot ridge, Wash 25th Mo. ridge co N.E.
 9.75 Wash (same) " " " N.W.
 18.00 " 15. " " N.E.

Good water at last crossing
 also permanent, a good spring
 known as Dan Carrol's, is up
 the wash about 15 chains.

Ascent

40.00 Put a limestone 25 x 18 x 10 ins
 47.00 17" ins in the ground for.
 " 85 1/2 mile cor. marked N.W.
 " In O. N. B. 85 1/2 M. and
 " raised a mound of stone
 4 1/2 ft. high 3 1/2 ft. base
 5 alongside
 " No trees within limits

Chains White Mt. Ind. Reservation.

- 43.50 Trail to E. end Mt.
- 44.00 " " " " (sand)
- 45.00 " " " " "
- 45.25 " " " " "
- 46.00 " " " " "
- 46.50 " " " " "
- 50.75 " " " " "
- 70.00 Top mt. ridge about 2000 ft.
above valley, to E. Mt. Descend
- 80.00 Set a limestone 20x18x15 ins. 13
ins. in the ground for 86 miles
cor. marked N. M. I. R.
- N.B. 86 m. and raised a mound
of stone 2½ ft. high 5 ft. base
alongside.
- No trees within limits.
- Surface mountainous
soil 4th rate.
- Mosquito and oak forest.
- Pa. 12° 15' E.

Chains West Boundary

S. $80^{\circ} 21' N.$ on 87^{th} Mile.Ta. $12^{\circ} 10' E.$

Descent

850 Foot ridge, Gulch 20 lbs. wide co. N.N. ascend.

3150 Top main mt. of Dripping Spring range about 2500 ft. high to E. and N. Descend.

4000 Set a granite rock $15 \times 12 \times 12$ ins., 10 ins. in the ground for $86^{\frac{1}{2}}$ mile cor. marked N. M. L. R. N. B. $86^{\frac{1}{2}}$ M. and raised a mound of straw $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base along side. No trees within limits.

4650 Trail to E. and N. Gulch 20 lbs wide co. S.E. ascend.

5900
6090 Prospect hole very deep 486 ft.:

6970 Trail, on top ridge to E. N. about 90 ft. high, descend.

Chaves White Mt. Ind. Reservation

8000 Set a limestone 20x10x10 ins. 13
ins. in the ground for 87
mils cor. marked, W. M.
I. R. H. O. 87 M. and
raised a mound of stone 2 1/2
ft. high 5 ft. base alongside.
No trees within limits

Surface mountainous
Soil 4th rate

Mesquite, greasewood and
Palo Christi brush -
Ta. 1150' C.

Chico West Boundary

D. 8° 2' N. on 87th Mile

Ta. 11050'E.

Descending N. slope of ridge.

8.00 Track 25 links wide cor. SE.

11.30 " " " " " " 0.74.

28.20 " " " " " " 0.5E.

31.80 " " " " " " 0.74.

35.20 " " " " " " 0.5E. ascend.

40.00 Out a limestone 17x14x12 ins.

11 ins. in the ground for 87^{1/2}
mile cor. marked N.W.M.L. P. N. B. 87^{1/2} M. and
raised a mound of stone
8^{1/2} ft. high 3^{1/2} ft. base
along side.

No trees within limits.

Out top low ridge from Mt. on
the West. Descend.Small spring about 30 chs. East
August 5th 1890. *

Notes White Mt. Ind. Reservation

4500 Foot low ridge, Gulch 25 ft. deep 25 ft. wide
wide 00. D.E. road along E. end
of high Mt.

8000 Set a limestone 26 x 14 x 12 ins.
17 ins. in the ground for
88 mile cor. marked N.M. & R.
N.O. & M. and raised a
mound of stone 2 1/2 ft.
high 5 ft. face alongside
No. trees within limits,
Surface mountainous
Soil 4th rot
Scattering ocobillo, mesquite
and greasewood bush.
Ta. 11° 45' E.

Chambers West Boundary

S. $8^{\circ}21'$ W. in 89th mile.

Pa. $11^{\circ}45'$ E.

Along broken E. end of mt.

8.00 Top E. end of spur about
200ft high. descend.

16.00 Trail to E. and N.

18.00 Foot spur. descend into cañon

27.25 Middle cañon to E. ascend

28.50 Leave cañon about 90ft deep.

31.90 Trail to N.W. cor. E. from Carrol's
mines to Dudleyville.

4000 Set a limestone $20 \times 17 \times 16$ ins

13 ins. in the ground for

$88\frac{1}{2}$ mile cor. marked

N. M. S. R. N. C. $88\frac{1}{2}$ M. and

raised a mound of

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

ft. base along side

No trees within limits.

Continue along E. end mt.

Chains White Mt. Ind. Reservation

70.00 Set a limestone 17X14X9 ins.
11 ins. in the ground for
89 mile cor. marked
H. M. I. R. H. B. 89 M.

and raised a mound
of stone 2 1/2 ft. high
5 ft. base alongside.
No trees within limits.

Surface mts,

sell 4th rate

Greenwood and ocotillo brush

Ta. 11050'E

Chains West Boundary

S. 8° 21' N. on 90th Mile.
To 12° 50' E.

Along E. end mt. cut by gulches.

40.00 Set a limestone 16x14x10 ins
11 ins. in the ground
for 89 1/2 mile cor.
marked N. M. S. R. N. C. 89 1/2 M.

and raised a mound
of stone 1 1/2 ft. high 3 1/2 ft.
bare ^{along side} ~~no trees~~ without limits.

Outtop Gila range - mts. about
1500 ft. high to S.E. N. descend
into Gila valley, over bluffs

46.90 Bluff 50 ft. high. to E. N.

49.50 " 20 ft. " " " "

52.95 " 60 ft. " " " "

55.00 " 45 ft. " " " "

80.00 Set a limestone 16x14x10
ins. 11 ins. in the
ground for 90 mile cor.

Chains Mt. Mt. Ind. Reservation

marked, N. M. S. R.
N. B. 90 M. and
raised a mound of
stone 2½ ft. high 5 ft.
base alongside.

No trees within limits

Surface mountainous

Soil 4th rate

Mesquite and cactus brush

Ta. 12° 10' E.

Chain West Boundary

$0.8^{\circ} 21' N.$ on $9\frac{1}{2}$ mile
 $72.12^{\circ} 10' E.$

Descend more gradually
 over low ridges.

- 15 Wash 10 Mr. mile co. SW.
 5.00 " 10 " " " "
 23.40 " 6 " " " " "
- 40.00 Set a marpaio rock $10 \times 12 \times 11$ ins.
 10 ins. in the ground for
 $90\frac{1}{2}$ mile cor. marked
 N.M. & R. N.B. $90\frac{1}{2}$ M.
 and raised a mound
 of stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
 face alongside.
- No trees within limits
- 42.00 Wash 5 Mr. mile co. SW.
 79.00 Enter wash co. SW.
 80.00 Set a granite rock $16 \times 14 \times 12$
 ins. 11 ins. in the ground
 for 91 mile cor. marked

Trains Phil. Mt. Ind. Reservation

N. M. I. R. N. B. 91 M.

and raised a mound
of stone 2½ ft. high 5 ft.
bare alongside

No trees within limits.

Surface hilly

Soil 4th rate

Mesquite and catclaw brush

7a. 12° 15' E.

Chains West Boundary

S. $80^{\circ}21'$ W. on 9 $\frac{1}{2}$ mile
Ta. $12^{\circ}15'$ E.

In wash

3.00 Leave wash co. S.H.

24.90 Wash 75 hrs. wide co. S.H.

40.00 Set a granite rock $14 \times 12 \times 12$
ins. 9 ins. in the ground
for 9 $\frac{1}{2}$ mile cor. marked
N.M. I.Q. N.O. 9 $\frac{1}{2}$ M. and
raised a mound of
stone $1\frac{1}{2}$ ft. high $3\frac{1}{2}$
ft. base alongside.

No trees within limits

44.50 Enter Gila valley. co. E.H.

44.90 Trail to E. and N.

60.80 Irrigating ditch 15 hrs. wide
co. S.H.

70.75 Road to E. and N.

78.15 Right bank north channel
Gila River co. N.

Thames Wh. Mt. Ind. Reservation

79.15 Left bank.

2000 Set a granite rock,
17X11X11 ins. 11 ins. in the
ground for 92 mile cor.
marked. N.M.L.R. N.O. 92 M.
and raised a mound
of stone 2½ ft high
5 ft. tall alongside
From which.

A cottonwood tree 21 ins. in diam.
br. 0.1° E. 172 lbs. dia: marked
N.M.L.R. N.O. 92 M. O. 5.

No other trees within limits
Surface hilly. ⁴⁰⁰ level
Soil 1st and 4th rate
Scattering mesquite and
cottonwood trees

To. 12° 15' E.

Chains West Boundary

0.8° 21' N. on 93rd mile

Ya. 12° 15' E.

Over river bottom

14.70 To a point - 10 Mos. N. of

true N.W. cor. N.M. Land. Co.

previously established by me.

and I mark 92.18 m. on Witness cor.

The true point is 41.50 chains

north and 5007 chains West of the

cor. to sections 23, 24, 25 and 26

Sp. 5° 15' E.

Surface level and rolling

Soil 3rd rate, Willows and cottonwood timber

August 6th 1890

White Mt. Ind. Reservation

General Description.

The West Boundary of the White Mt. Ind. Reservation passes through a mountainous country, from the beginning to end.

From the Gila River to Chino Butte the country is barren with no timber and little water, with the exception of a portion on the North side of the Mescal Mts, which is well watered, with good grazing and timber lands.

In the Dripping Spring Mts, there are a number of mining locations mostly in copper and

silver ore veins.

The famous Grand mines are in these mts, but are about 3 miles on the Reservation.

Dissapointment Valley is being utilized as a stock range. Mr. Geo. Blair and several others having locations in it to the West of the boundary line. This valley though small would be a good location for a storage reservoir, as the land is very rich and easy to cultivate. While camping in the valley, I was attracted by a dull roar, and in a few minutes

a vast volume of water came down in a solid wall - the result of a cloud burst; although the skies were clear overhead, I learned that these cloud bursts are of frequent occurrence in the rainy season. All this waste water could be easily saved.

In the vicinity of Chrome Butte the appearance of the country is more inviting, water is quite plentiful and oak and juniper trees are found with some sycamore and cottonwoods in the gulches and around springs.

The country between Salt River and Pombroo Butte is barren of timber and water, except near the base of the Butte.

The water in Salt River is salty to such an extent that it is very disagreeable to the taste. The saline character is caused by the salt-springs, about 20 miles above as near as I could ascertain. From Pombroo Butte to the N. W. Cor. is a fine country, thickly timbered with pine, juniper and oak. Grass is abundant

and water is found at intervals of four or five miles, in nearly any direction.

Near the N. W. cor. Canon creek furnishes an abundance of water for stock.

About two miles S. W. of the N. W. cor. Mr. H. J.

Raymer, has a ranch and raises a variety of vegetables cereals, and Timothy hay.

and down Canon creek

from his ranch are locations by Leroy Gregory and J. D. Wheli.

Irrigation in this vicinity is not necessary -

For preliminary notes see

Book 1 - John C. O'Neill

U.S.D.S.
October 10, 1890

List of Names.

A List of the Names of Individuals employed by

John C. Smith U. S. deputy
surveyor, to assist in running, measuring, or marking the lines

and corners described in the foregoing Field Notes of the survey

of

*The West Boundary
of the White Mountain
Indian Reservation*

Showing the respective capacities in which they acted.

W. Clemons Chainman.

John H. Wilson Chainman.

C. H. Smith *H. B. Christy* Axeman.

C. H. Baker *Fred H. Lottin* Flagman.



54
Final Oath of Assistants.

BOOK 1963

We hereby certify that we assisted John C. Smith U. S. Deputy Surveyor, in surveying all those parts or portions of

The West
Boundary of the White
Mountain Indian
Reservation

as 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.

John W. Miller Chairman.

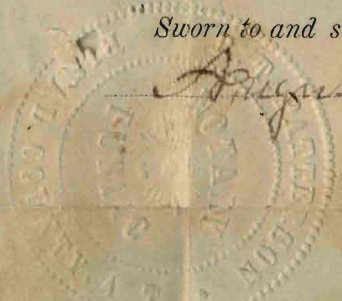
W. B. Christy Axeman.

Fred W. Gatter Flagman.

Sworn to and subscribed before me, this 9 day of

August, 1880

R. E. Patterson
Notary Public



List of Names.

BOOK 1968

A List of the Names of Individuals employed by

John C. Smith

U. S. deputy

surveyor, to assist in running, measuring, or marking the lines

and corners described in the foregoing Field Notes of the survey

of The White Mountain

Indian Reservation

West Boundary

Showing the respective capacities in which they acted.

J. Clemons

Chainman.

John H. Wilson

Chainman.

C. H. Smith - H. B. Chisley

Axeman.

C. H. Baker Fred W. Latta

Flagman.



56
Final Oath of Assistants.

BOOK 1968

We hereby certify that we assisted John C. Smith
U. S. Deputy Surveyor, in surveying
all those parts or portions of The West
Boundary of the White-
Mountain Indian
Reservation.

as 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 ^{my} 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.

J. Clemens Chainman.
..... Chainman.
..... Axeman.
..... Flagman.

Sworn to and subscribed before me, this 9 day of
August, 1890
H. W. Patterson
Notary Public



Final Oath of Assistants.

57

BOOK 1968

I hereby certify that I assisted John C. Smith

U. S. Deputy Surveyor, in surveying

all those parts or portions of

The
West Boundary White Mt
Ind. Reservation

as 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 ~~my~~ 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.

Chainman.

Chainman.

Axeman.

W. Baker Flagman.

Sworn to and subscribed before me, this 10th day of

Oct, 1886

J. C. Smith

Sur.

56

List of Names.

BOOK 1968

A List of the Names of Individuals employed by
 *U. S. deputy*
surveyor, to assist in running, measuring, or marking the lines
and corners described in the foregoing Field Notes of the survey
 of

Showing the respective capacities in which they acted.

..... *Chainman.*

..... *Chainman.*

..... *Axeman.*

..... *Flagman.*

Final Oath of Deputy Surveyor.

51

BOOK 1968

I, John C. Smith
 S. Deputy Surveyor, do solemnly swear that in pursuance of
 instructions received from Royal A. Johnson
~~John Wasson~~, United States
 Surveyor-General for Arizona, bearing date the 16
 day of May 1889, 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 Surveying Manual, and the laws of the
 United States, surveyed all those parts or portions of

The West Boundary of
the White Mt Ind. Reservation

as are represented
 in 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 surveys have been established and perpetuated
 in strict accordance with the Surveying Manual, printed instruc-
 tions, the special instructions of the United States Surveyor-
 General for Arizona, and in the special manner described in the

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field notes, and that the foregoing are the true Field Notes
such survey, and should any fraud be detected I will suffer
penalty of perjury, under the provisions of an act of Congress
approved August 8, 1846

John C. Smith

U. S. Deputy Surveyor

Sworn to and subscribed before me this 10th day
October, 1890

Palmer Johnson
U. S. Survey General
District of Arizona

BOOK 1968