

1974

4

AMENDED SOUTH—BDY.

WHITE MOUNTAIN INDIAN RESERVATION.

Philip Contzen.

1974

BOOK 1974

4-671

1974

1974

FIELD NOTES
GENERAL LAND OFFICE.

1974

Amended South boundary of the
White Mountain Indian Reservation

Chains

- 36.50 Foot of descent,
and dry creek, 70 fms.
wide, course N.E.
- 36.70 Road, bears N. and S.
- 38.50 Gulch, 3 fms. wide, course
East, and ascend
- 40.00 Set a granite stone
24 x 10 x 10 ins., 18 ins.,
in the ground for
25 1/2 Mile Cor., marked
W. M. I. R. A. S. B.
on N., 25 1/2 M. on
E. and P. S. on S.
faces, and raise
a mound of stone
5 ft. base, 2 1/2 ft.
high, 3 ft. N. of cor.
No trees within limit
- 52.50 Top of ascent, bears

Amended South boundary of the
Claims

- N.E. and S.W., and
descend 90 ft. to
57.00 Gulch 10 lks. wide,
course N.E.
- 57.50 Ascend spur
- 59.00 Top of spur, bears
N.E. and S.W.; descend
- 61.00 Foot of descent, and
gulch, 25 lks. wide,
course Easterly
- 61.50 Ascend 75 ft.
- 66.40 Indian well in place, bear N 64° E. 10 chs.
- 66.50 Top of ascent, bears
N.E. and S.W.; descend
- 71.00 Foot of descent
- 72.00 Ascend 50 ft.
- 78.00 Top of ascent.
- I mark a granite
boulder ^{10 x 3 x 3 ft} in place,
with a cross (x) for

White Mountain Indian Reservation

Chambers

witness cor. to
 26 Mile cor. and
 W. C. - W. M. S. P. R. A. S. B.
 on N., 26 M. on E., and
 P. & L. on S. sides
 of boulder, and
 raise a mound
 of stone 5 ft. base,
 2½ ft. high, 8 ft.
 N. of cor. - No trees
 available.

78.50 Descend along N. side
 of steep bluff, facing
 towards the North

80.00 Cor. point for 26
 Mile cor. falls on
 perpendicular bluff
 Land rolling and
 mountainous.

Amended South boundary of the
Chains

Soil, gravelly and
stony; 4th rate.

Timber, a few scattered
cedars. Under growth
oak and canutillo.

Cacti, mescal, spanish
daga, nopal and yucca

January 29, 1898

N 68° W. on a true line
on 27th Mile

Over mountainous land,
descending

5.00 Foot of descent,

gulch, 150 lbs. wide, course N.E.
Evans Spring bears
S. W. 5 chs.

6.50 Ascend N. Spur of ridge,
bears N.E.

White Mountain Indian Reservation
 Claims

- 10.00 Top of spur, and descend
 15.20 Foot of spur, and gulch
 20 lbs. wide, course S.E.
 15.50 Ascend 60 ft.
 23.30 Top of ridge, bears
 $N 75^{\circ} E$ and $S 75^{\circ} W$;
 and descend to
 31.00 Gulch, course $S 68^{\circ} E$;
 thence along gulch
 33.00 Leave gulch, and
 ascend 40 ft.
 38.00 Top of ascent, bears
 E and W , and descend
 40.00 Set a sand stone
 $22 \times 14 \times 10$ ins., 15 ins.
 in the ground for
 $26\frac{1}{2}$ Mile cor., marked
 $W. M. S. R. A. Station N.$
 $26\frac{1}{2}$ M. on E , and

Amended South boundary of the
Chains

P. S. on S. faces;
and raise a mound
of stone, 5 ft. base,
2½ ft. high, 3 ft. N. of cor,
from which

A manzanita 4 ins. diam.
bears N 45° E. 49 lbs.
dist. marked W. M.

S. R. A. S. B. 26½ M. B. T.

A cedar 8 ins. diam. bears
S 48¼° E. 184 lbs. dist.
marked W. M. S. R. A. S.

B. 26½ M. B. T.

A cedar 14 ins. diam.,
bears S 88° E. 137 lbs.
dist. marked W. M.

S. R. A. S. B. 26½ M. B. T.

A cedar 6 ins. diam.
bears N 17¼° W. 105 lbs.

White Mountain Indian Reservation
Chains

dist. marked N. M.

S. R. A. S. B. 26½ M. B. T

Hyco peak, bears

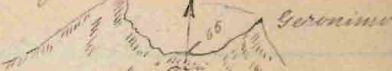
S 84° W., Geronimo

peak, bears N 54½° W.

Hay stack butte, bears

S 72½° E.

42.00 Foot of descent, and
gulch, 20 lks. wide, course
S. E.

42.50 Ascend 

54.00 Steep bluff, 50 ft. high

55.00 Top of bluff, and
continue ascending

65.00 Top of ascent, and
descend

75.00 Foot of descent, and
gulch 90 lks. wide, course
N. E., then N. W.

Amended South Boundary of the
Chains

- 75.50 Ascend along N. Slope
of Flyco peak
- 76.50 Gulch, 30 lks. wide, course
N. N. E.
- 79.00 Gulch 15 lks. wide, course
N. then N. W.
- 80.00 Set a malpais
stone $30 \times 12 \times 8$ ins., 21
ins. in the ground,
for 27 Mile Cor.,
marked W. M. S. R.
A. S. B. on N., 27 M.
on E., and P. S. on
S. faces; and raise
a mound of stone
5 ft. base, $2\frac{1}{2}$ ft.
high, 3 ft. N. of cor,
from which
A cedar, 8 ins. diam.

White Mountain Indian Reservation
Chains

bears $N 41 \frac{1}{4}^{\circ} E$ 227 lks.
dist. marked W. M.

S. R. A. S. B. 27 M. B. F.

A cedar 14 ins. diam.,
bears $S 27^{\circ} E$, 348 lks.
dist. marked W. M.

S. R. A. S. B. 27 M. B. F.

No other trees near.

Land mountainous.

Soil, gravelly and stony,
3rd and 4th rate

Timber, a few scattering
cedars, undergrowth
saw and manzanita.

Cacti, yucca, mesquite
nopal and spanish dagger

$N 68^{\circ} W$, on a true line
on 28th Mile

Amended South boundary of
chains

- Over mountainous
land; ascending
- 7.50 Top of ascent, bears
N. E. and descend 40 ft.
- 11.00 Foot of descent; and
gulch, 20 lks. wide, course
N. E.
- 12.50 Ascend 50 ft.
- 16.00 Top of ascent, bears N. $\frac{1}{2}$ S,
and descend 70 ft. to
- 25.00 Gulch 20 lks. wide, course N. $\frac{1}{2}$ S.
- 25.50 Ascend
- 40.00 Top of general ascent;
bears N. and S. - I
mark a cross (x) at
the exact cor. point
for 27 $\frac{1}{2}$ Mile cor. on
Malpais boulder 5 x 2
ft., 1 $\frac{1}{2}$ ft. above ground

The White Mountain Indian Reservations

Graves

(in place), and W.M.
 P. R. A. S. B. on N.,
 27½ M. on E., and
 P. L. on S. sides, ^{and}
 raise a mound of
 stone 5 ft. base 2½ ft
 high, 3 ft N. of cor;
 from which

A cedar 6 ins. diam.,
 bears S 40° E. 223 lks.
 dist. marked W.M.
 P. R. A. S. B. 27½ M. B. T.

A cedar 20 ins. diam.,
 bears S 60° W. 250 lks.
 dist. marked W.M.
 P. R. A. S. B. 27½ M. B. T.

No other trees within
 limits. descend

48.62 Trail from San Carlos

Amended South boundary of
chains

- to Wootan Springs,
bears N.E. and S.W.
- 49.00 Foot of descent,
ascend bluff 25 ft.
high
- 49.10 Top of bluff, thence
along S. slope of
rugged ridge, which
bears 260° W. and 160° E
- 74.50 Descend over steep bluff
20 ft high
- 79.00 Foot of ridge and
bluff
- 80.00 Set a malpais
stone $24 \times 12 \times 10$ ins.,
18 ins. in the ground,
for 28 Mile Cor., marking
W. M. S. R. A. S. B. on N.,
28 M. on E., and

the White Mountain Indian Reservation
Chains

P. L. on S. faces;
and raise a mound
of stone 5 ft. base,
 $2\frac{1}{2}$ ft. high, 3 ft. W. of
Cor., from which
A mesquite 6 ins.
diam. bears $N 32^{\circ} E$,
265 lks. dist. marked
W. M. I. R. A. S. B. 28
M. B. T.

A cedar 18 ins. diam.
bears $S 79\frac{1}{2}^{\circ} E$, 433
lks. dist. marked
W. M. I. R. A. S. B. 28
M. B. T.

No other trees near
Land mountainous
Soil, gravelly and
stony; 4th rate

Amended South boundary of the
chains

Timber, a few scattering
cedars and mesquite
Under growth, oak
and manzanita
Cacti, yucca and mesquite

January 30, 1898

N 68° W. on a true
line on 29th Mile

Over mountainous land,
ascend along s. slope of ridge

2.50 Top of ascent, bears N. $\frac{3}{4}$ S.

3.40 Trail, from San Carlos
to Warton Springs,
bears N. E. and S. W.

10.50 Ascend bluff

11.00 Top of bluff 20 ft. high

12.00 Descend 50 ft.

13.50 Foot of descent

14.50 Ascend spur, of main ridge

White Mountain Indian Reservation

Chains

- 17.00 Top 50 ft. high, bears S.
- 17.30 Descend steep bluff, 15 ft high
- 18.50 Foot of spur and bluff; and ascend
- 25.00 Top of ascent. bears S. Wotan Springs, bear S. 20 chs.; and descend 75 ft. over boulders
- 33.70 Foot of descent; and gulch, 10 fks. wide, comes S. and ascend 180 ft
- 40.00 Set a malpais stone 30x18x5 ins. 21 ins in the ground for 28½ Mile cor., marked W.M. S.R. A. S. B. on N. 28½ M. on E., and P.S. on S. faces; and

Amended South boundary of the
Chains

raise a mound of
stone 5 ft. base, 2½ ft.
high, 3 ft. N. of cor.,
from which

A mesquite, 18 ins.

diam., bears N 12° E,

140½ lks. dist., marked

W. M. S. R. A. S. B. 28½ M. B. T.

A mesquite 18 ins. diam.,

bears North 239 lks. dist.,

marked W. M. S. R. A. S. B.

28½ M. B. T.

A cedar 12 ins. diam.,

bears S 69½° W., 112 lks.

dist., marked W. M.

S. R. A. S. B. 28½ M. B. T.

A mesquite 6 ins. diam.,

bears N 10° W., 141 lks. dist.,

marked W. M. S. R.

White Mountain Indian Reservation
Chains

- A. S. B. 28½ M. B. I.
- 41.00 Foot of bluff, 10 ft.
high
- 43.00 Top of bluff and
main ascent, bears
N. and S.
- 44.00 Descend, 75 ft. to
- 50.70 Gulch, 600 yds. wide, course
S. then S.W.
- 51.00 Ascend 50 ft.
- 65.00 Top of ascent, bears
N.W. and S.E.
- 67.00 Descend, 90 ft
- 77.50 Descend steep bluff 40 ft
high
- 78.00 Foot of bluff ³/₄ continue descending
- 80.00 Set a malpais
stone 30 x 12 x 10 ins.,
22 ins. in the ground

Amended South boundary of the
Chains

for 29 Mile Cor., marked
W. M. S. R. A. S. B.
on N. 29 M. on E.,
and P. & S. on S. faces,
and raise a mound
of stone 5 ft. base,
2½ ft. high, 3 ft.
N. of cor. - No trees
within limits.

Land mountainous
Soil, gravelly and stony,
4th rate.

Timber, a few scattering
cedars and mesquites
Undergrowth, scattering
oak and mesquite
Cacti, giant cactus,
Yucca, nopal, mescal
and acotillo

White Mountain Indian Reservation

Chains

- N68°W, on a true line
on the 30th Mile
Over mountainous
land, descending
1.00 Foot of descent, and
gulch, 6 lks. wide, course
S.W.
- 1.50 Ascend 25 ft.
- 6.00 Top of ascent, bears
N.E. and S.W., and
descend 70 ft. to
11.80 Gulch, 20 lks. wide,
course S.W.
- 12.00 Ascend S. spur of
mountain
- 18.00 Top of spur, bears S.,
and descend to
25.90 Gulch, 20 lks. wide, course
N.W.

Amended South boundary of the
Chains

- 26.00 Ascend ridge
- 30.00 Top of rocky ridge,
bears N.W. and S.E.;
and descend 120 ft.
- 37.50 Foot of descent, and
enter Burro cañon,
course N. Westerly.
- 38.00 Leave Burro cañon;
and ascend N. Slope
of rocky ridge.
Junction of 3 cañons,
bears N. 2 chs.
- 40.00+ Set a malpais
stone, 27 x 14 x 6 ins,
20 ins. in the ground,
for 29½ Mile Cor.,
marked N. M. S. R.
A. S. B. on N., 29½ M.
on E., and P. S. on

White Mountain Indian Reservation

Chains

- S. faces; and raise
a mound of stone
5 ft. base, $2\frac{1}{2}$ ft.
high, 3 ft. N. of cor;
No trees within limits
- 43.50 Top of ridge, bears
N. and S.; and descend
70 ft
- 51.00 Foot of descent,
and ascend spur
- 52.50 Top of spur, bears N.W.S.,
and descend 50 ft.
- 55.50 Foot of descent.
- 56.00 Burro creek, 20 lbs.
wide, course S.W.
- 58.50 Same creek 60 lbs.
wide, course N.E.; then
N.W.
- 59.00 Ascend steep sand-

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Amended South boundary of the
Chains

- stone bluff, 40 ft.
high
- 60.00 Top of bluff, and
ascend
- 62.00 Sand stone bluff 10 ft
high
- 64.00 Top of ascent,
and descend over
steep bluffs 100 ft high
- 67.00 Foot of bluffs
along
- 68.50 S. edge of Burro
creek, course N. 68° W
- 70.00 Gulch, 10 lks. wide,
course N.
- 72.50 Leave S. edge of
Burro creek, course
N. N. E.; and ascend
over bluff 20 ft. high
- 75.00 Top of ascent, bears

White Mountain Indian Reservation
Chains

N. N. E. and S. S. W.,
and enter gently rolling
mesa.

80.00 Set a malpais
stone $22 \times 20 \times 10$ ins.,
15 ins. in the ground
for 30th Mile Cor.,
marked W. M. I. R.
A. S. B. on N., 30 M.
on E., and P. S.
on S. faces, and
raise a mound of
stone 5 ft. base, $2\frac{1}{2}$
ft. high, 3 ft. N. of Cor.
Land mountainous,
and rolling
Soil, gravelly and
stony; 2nd and 4th rate
Timber, a few scattering

Amended South boundary of the
Chains

cedars. ; under growth
oak, cauntillo, mesquite
and cats claw.

Cacti, mescal, yucca,
nopal, dolla, scotillo
and giant cactus.

February 1. 1898

N 68° W. on a true
line on 31st Mile
Over gently rolling
mesa

10.00 Descend to

11.00 Gulch, 10 lks. wide, course
N. ; and ascend

20.00 Top of ascent, bears
Easterly and Westerly

21.70 Gulch, 20 lks. wide, course
N.

White Mountain Indian Reservation

Chains

- 24.00 Gulch, 4 lks. wide, course N.
- 26.30 Gulch, 2 lks. wide, course N.
- 38.40 Trail, bears N.W. and S.E.
- 40.00 Set a quartzite stone
 22x16x8 ins., 15 ins. in
 the ground for 30½
 Mile Cor., marked
 W. M. I. R. A. S. B.
 on N., 30½ M. on E.
 and P. I. on S. faces,
 and raise a mound
 of stone 5 ft. base,
 2½ ft. high, 3 ft. N. of cor.,
 from which
 A mesquite 6 ins. diam.
 bears N+2¾°E., 86 lks.
 dist., marked W. M.
 I. R. A. S. B. 30½ M.
 B. I. - No other trees within
 limits.

Amended South boundary of the
Chains

42.50 South bank of Gila
River and mouth
of Hawk Cañon.
At this point which
is above high water
mark, I set a quartz
stone 25 x 15 x 6 ins.,
18 ins. in the ground
for meander cor.
and terminal cor.,
of the Amended South
boundary of the White
Mountain Indian Reservation,
marked W. M. I. R.
A. S. B. on N., 30 M.
42.50 CHS on E., P. L.
on S., and M. C.
on W. faces, and
raise a mound of

White Mountain Indian Reservation

chains

stone 5 ft. base $2\frac{1}{2}$
ft. high, E. of cor.,
from which

A jaw 6 ins. diam,
bears $S 34\frac{3}{4}^{\circ} W.$ 4.13 chs.
dist. marked W. M.

S. R. A. S. B. 30 M. 42.50 chs.

M. C. B. T.

A mesquite 8 ins. diam,
bears $N 77\frac{1}{2}^{\circ} E.$ 59 lks.
dist. marked W. M.

S. R. A. S. B. 30 M. 42.50

chs. M. C. B. T.

Mescal Mountain, bears
 $S 42^{\circ} W.$ — A mound
of stone 3 ft. base,
 $2\frac{1}{2}$ ft. high at the
intersection of the
left banks of Hank

Amended South boundary of the

Cañon and Gila River
and cañon, bears

W.

$S 30^{\circ} E$, 11.04 lks. dist.

No other signs of
monuments visible.

Land, gently rolling
and level

Soil, loam, 2nd rate

No timber, undergrowth
scattering oak, mes-
quite and catsclaw.

February 2, 1898

x

Note: In the execution
of this survey I destroyed
all monuments, except
the Initial Monument,
which I found to be
correct, originally

White Mountain Indian Reservation

established by U. S.
Deputy Surveyor Samuel
Lagan.

General Description
From the initial monu-
ment to the 7th Mile
Cor. this line runs
over rolling mesa
land, crossing
dry washes and
gulches having a
north easterly trend.
From the 7th Mile
Cor. the land is
mountainous, except
an east half mile
near the mouth of
Hawk Cañon, which

initial

Amended South boundary of the

is level mesa land. There is some good oak timber along the E. and W. slopes of Mount Turnbull, also some good pine, and cedar timber is near the $7\frac{1}{2}$, 9 and $18\frac{1}{2}$ Mile corners.

There are many indications of mineral along the line. An attractive formation of limestone exists near the $18\frac{1}{2}$ Mile cor. or on the the left bank of Kelly Gulch; and numerous indications of copper

White Mountain Indian Reservation

can be seen here.

The land along the line is unfit for agricultural purposes, there are, however, a few strips near Goodwin wash and the mouth of Hawk Cañon which could be cultivated. - Grass is good on the entire line; there is very little permanent water, only during the winter, water can be found in most of the gulches. There are some springs within a reasonable

Amended South boundary of the White Mountain Indian Reservation - Concluded.

Distance of the line, viz- Indian Springs are situated about 2 Miles S. Easterly of Mount Turnbull, "S" wash Springs, about $\frac{1}{2}$ Mile N. Westerly of 14 Mile Cor. and Bitter Springs about 1 Mile Northerly of 15 $\frac{1}{2}$ Mile cor., respectively.

The Gila River is open on the south side at the mouth of Hawk R. Cañon but bluffs of an igneous character close in on one half mile above and about 4 mile below.

Philip Couzger,
Compassman & W. S. Deputy Surveyor.

List of Names.

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A List of the Names of the Individuals
employed by *Philip Contzen*
U. S. Deputy Surveyor, to assist in running, meas-
uring and marking the lines and corners described
in the foregoing Field Notes of the survey of the

*Amended South boundary
of the White Mountain
Indian Reservation*

of the Gila and Salt River Base and Meridian, in
the Territory of Arizona, showing the respective
capacities in which they acted.

C. Barthelmy Chainman.

F. J. Van Sicker Chainman.

R. S. Knowles Chainman.

Chainman.

J. D. Cox Axeman.

James Craig Axeman.

J. L. Lee Flagman.



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Final Oath of Assistants.

We hereby certify that we assisted Philip
Coutzen U. S. Deputy Surveyor, in
surveying all those parts or portions of the

Amended South Boundary
of the White Mountain
Indian Reservation,

of the Gila and Salt River Base and Meridian, in
the Territory of Arizona, 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.

Caimiro Bartolomeo Chainman.
J. J. Van Sicker Chainman.
R. S. Knowles Chainman.

..... Chainman.

W. J. [unclear] Axeman.

John's Craig Axeman.

D. Lee Flagman

Sworn to and subscribed before me, this 4th

day of February, 1895.

Theodore D. Morris
Notary Public.

[SEAL.] my commission expires
Sept 12 A. D. 1900



Final Oath of U. S. Deputy Surveyor. 207

I, Philip Contzen
~~Compassman and~~
 U. S. Deputy Surveyor, do solemnly swear that in
 pursuance of ~~a contract~~ ^{Special Instructions} received from ~~Royal A.~~ ^{George}
~~Johnson~~, United States Surveyor-General for Ari-
 zona, bearing date of the 4th day of

October 1897, I have well, faith-
 fully, and truly, in my own proper person, and in
 strict conformity with the instructions furnished by
 the United States Surveyor-General for Arizona,
 the Manual of Surveying Instructions, and the
 laws of the United States, surveyed all those parts
 or portions of the

Amended South
Boundary of the
White Mountain
Indian Reservation

~~of the Gila and Salt River Base and Meridian, in~~
 the Territory of Arizona, 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 Manual of printed instructions,
 the special instructions of the United States Sur-
 veyor-General for Arizona, and in the specific

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

Philip Coopers
Compassman & U. S. Deputy Surveyor.

Sworn to and subscribed before me this *21st*

day of *February*, 189*7*

George Chriet
U. S. Surveyor General for Arizona

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