

BOOK 1961

1961

BOOK 1961

1961

F I E L D S   N O T E S  
OF THE SURVEY OF THE  
SOUTH BOUNDARY OF THE SAN CARLOS  
AND  
WHITE MOUNTAIN INDIAN  
RESERVATIONS.

Gila and Salt River Base and  
Meridian,

ARIZONA.

By Paul Riecker, D.S., under  
Contract dated May 19th, 1883.  
Survey commenced June 13, 1883.  
Survey completed July 24, 1883.

Meanders, Gila River 4-18.

Miles	Pages	Monst.	Pages	Monst.	Pages
1	20	1	37	16	58
2	22	2	38	17	60
3	23	3	40	<u>Miles Pages</u>	
4	24	4	41	1	66
5	25	5	42	2	68
6	26	6	43	3	68
7	27	7	44	4	70
8	28	8	46	5	71
9	28	9	48	6	71
10	29	10	49	7	72
11	30	11	50	8	72
12	31	12	53	9	74
13	32	13	54	10	75
14	33	14	56	11	76
14 - 60.20	34	15	57	12	76

Miles	Pages	"Miles	Pages"	Miles	Pages
		BOOK 1961			
13	77	13	92	28	107
14	78	14	92	29	107
15	79	15	94	30	109
1	80	16	95	31	109
2	81	17	96	32	111
3	82	18	97	33	112
4	83	19	97	34	113
5	83	20	98	35	114
6	85	21	99	36	115
7	85	22	100	37	116
8	86	23	101	38	117
9	88	24	102	39	118
10	89	25	103	40	118
11	89	26	104	40 <sup>40.49</sup>	119
12	91	27	106	1	121

Miles	Pages	Miles	Pages
2	121	42	133
3	122	43	134
4	123	44	134
5	123	45	135
6	124	45 <sup>33.06</sup>	136
7	125		
8	126		
9	126		
10	127		
11	128		
12	128		
13	129		
14	130		
15	131		
41	132		



1961  
See Amended South Bdy  
by Coulter

BOOK 1961

Field - Notes

of the  
Survey of the South  
Boundary of the  
San Carlos and White  
Mountain Indian  
Reservations  
Arizona

Made under instructions from  
Hon. J. W. Robbins, U.S.S.G.  
for Arizona  
by

Paul Riceker N. S. Dep. Sur.  
under his contract No 38.

Survey commenced June 13<sup>th</sup> 1883  
" completed July 24<sup>th</sup> 1883

1A

BOOK 1961

# Preliminary Oaths of Assistants.



We, James Gibbon and  
and Charles Warren Lewis, Coy

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability and in accordance with the instructions given us

in the Survey of the Southern  
Boundary of the San  
<sup>and White Mountain</sup>  
Carlos Indian Reservation

James Gibbon Chainman  
C. B. Warren "  
Lewis, Coy, " "

Sworn to and subscribed before me, this 13<sup>th</sup> day of

April, 1883

Paul Piecker  
Notary Public

We, E. J. Meeker and Joseph Schwarz, Asmen, and James Clark, Magman  
do solemnly swear that we will well and truly perform the  
duties of asmen and Magman  
respectively

in the establishment of corners and other duties according to  
instructions given us, and to the best of our skill and ability.

in the survey of the South  
Boundary of the San Carlos  
<sup>and White Mountain</sup>  
Indian Reservation

E. J. Meeker <sup>asmen</sup>

Joseph Schwarz <sup>asmen</sup>

James Clark <sup>this man  
Magman</sup>

Sworn to and subscribed before me this 13<sup>th</sup> day of

June, 1883

Paul Rice  
Notary Public



South Boundary San Carlos and  
White Mountain Indian  
Reservation

Meanders.

Preliminary to commencing this survey my instrument a Young & Sons 6 $\frac{3}{4}$  inch Transit with improved Patent Solar attachment, nearly new, and in perfect order, was examined at the true Meridian at Tucson and found correct.

I thence proceed to the mouth of the San Pedro River where it empties into the Gila River and on the night of the 13<sup>th</sup> June 1883. I establish a true Meridian by observation on the Star Polaris.

Survey commenced June 14<sup>th</sup>



1863  
1097  
266

BOOK 1964

## Meanders

chain

1883. before commencing I test  
my Solar Transit on the line  
established last night and  
find it correct.

---

At the South Bank of the  
Gila River, and the East  
Bank of the San Pedro River  
where the San Pedro empties  
into the Gila River I find  
the latitude to be  $32^{\circ} 59' N$   
and the Var.  $13^{\circ} 16' E$ . as per Solar  
Compass and Polaris. from this point  
a Cottonwood 36 in. dia. to  $S 35^{\circ} E$ . 81 lbs dist  
marked S. B. S. C. R. B. T.

Thence I run along the South  
Bank of the Gila River through

continued

chains

dense Cottonwood, Magnolia and  
Willows, with Meanders up the  
Gila Cañon, taking the shortest  
possible courses, as per instructions,  
to a point 10 miles towards the  
source of the Gila River.

Va.  $13^{\circ} 16' E$ 

	N. $76^{\circ} 36' E$	39.96 chs	1
N?	S $81^{\circ} 22' E$	43.84 "	2
	N. $2^{\circ} 57' E$	100.50 "	3
	N. $52^{\circ} 45' E$	28.91 "	4
	S. $87^{\circ} 35' E$	14.38 "	5
	N. $65^{\circ} 35' E$	17.35 "	6
	N. $36^{\circ} 15' E$	10.66 "	7
	N. $26^{\circ} 02' E$	9.31 "	8
	N. $79^{\circ} 30' E$	24.77 "	9
	N. $4^{\circ} 40' W$	1.86 "	10
	N. $13^{\circ} 30' E$	19.38 "	11

Meander

chains.

N 4° 00' E.	9.24 chains
June 14 <sup>th</sup> 1883.	
N. 42° 54' E.	40.22 "
N. 50° 22' E.	12.72 "
N. 69° 35' E.	35.66 "
N. 23° 15' E.	18.83 "
N. 7° 40' E.	24.88 "
N. 9° 48' W.	9.85 "
N. 2° 00' E.	6.79 "
N. 23° 12' E.	11.68 "
North	10.41 "
N. 49° 55' E.	21.89 "
S. 80° 35' E.	34.87 "
N. 2° 06' W.	29.68 "
N. 32° 28' W.	4.85 "
N. 16° 15' W.	24.42 "
N. 61° 28' W.	6.13 "
N. 23° 35' W.	22.10 "

continued

Lains

N. 27° 08' W.	11.82 chains.	29
N. 14° 28' W.	26.64 "	30
N. 0° 15' W.	4.60 "	31
N. 16° 40' E.	6.68 "	32
N. 47° 28' E.	7.69 "	33
N. 28° 40' E.	11.30 "	34
N. 31° 40' E.	5.06 "	35
N. 19° 30' E.	11.00 "	36
N. 75° 50' E.	16.50 "	37
S 74° 30' E.	7.35 "	38
N. 41° 40' E.	7.18 "	39
N. 8° 00' E.	11.71 "	40
N. 24° 50' E.	8.81 "	41
N. 36° 52' E.	6.50 "	42
N. 53° 42' E.	6.42 "	43
N. 85° 25' E.	15.60 "	44

Total 800.00 chains  
or 10 Miles from the mouth



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# Meanders

chains

of the San Pedro and Gila River, this point being subject to overflow, I ran South 2.36 ch. from the South Bank of the Gila River, where I mark a Sandstone in place  $24 \times 12 \times 12$  ins. above ground, I.M.S.B.S.C.R. for Initial Monument South Boundary San Carlos Reservation, and raised a mound of stone 5 ft. high and  $4 \frac{1}{2}$  ft. base along side. Pits impracticable, from which a Cottonwood 24 ins. dia. br N.  $73^{\circ} 30' E.$  138 lbs dist. marked I.M.S.B.S.C.R.B.T.

a Cottonwood 16 ins. dia. br S.  $63^{\circ} 30' E.$  2-17 lbs dist. marked I.M.S.B.S.C.R.B.T.

This line runs in the narrow rocky Cañon of the Gila River, it is here

continued

chain

from 1000 to 1500 ft. deep, with perpendicular Walls on both sides, There is Cottonwood, Mesquite, & Willows, and dense undergrowth along both Banks of the River, a considerable part of this line was chained in the River, there being no other passage, Since 15<sup>th</sup> 1883.

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Thence I continue on Meanders up through the Cañon of the Gila River,

Ya 13° 02' E.

S. 57° 28' E.	41.00 ch	1
N. 72° 00' E.	2.33 "	2
S. 64° 30' E.	19.59 "	3
S. 82° 50' E.	6.76 "	4

## Meanders

chains

S. 86° 50' E.	4.68 chs	5
N. 52° 25' E.	9.85 "	6
N. 87° 30' E.	4.66 "	7
N. 0° 30' E.	11.30 "	8
N. 7° 50' W.	4.33 "	9
N. 35° 40' N.	16.19 "	10
N. 13° 30' W.	9.58 "	11
N. 3° 50' W.	4.70 "	12
N. 75° 14' E.	21.00 "	13
N. 63° 25' E.	17.86 "	14
N. 6° 20' E.	38.90 "	15
N. 8° 20' E.	19.00 "	16
N. 13° 30' E.		17
N. 59° 35' E.	14.36 "	18
N. 23° 50' E.	8.35 "	19
N. 7° 00' E.	5.37 "	20
N. 7° 25' W.	8.50 "	21
N. 15° 00' E.	10.28 "	22

continued

chains

N. 34° 10' E.	25.06 chains	22
N. 39° 20' E.	23.28 "	23
N. 57° 48' E.	34.08 "	24
Inul 16 <sup>th</sup> 1883.		26
N. 67° 20' E.	11.29 "	25
S 74° 30' E.	51.14 "	26
N. 22° 40' E.	24.04 "	27
N. 36° 31' E.	63.38 "	28
N. 30° 20' E.	5.58 "	29
N. 46° 50' E.	9.05 "	30
N. 40° 12' E.	10.16 "	31
Ta 13° 00' E.		
N. 80° 10' E.	6.00 "	32
N. 20° 29' E.	16.00 "	33
N. 12° 10' E.	17.77 "	34
N. 35° 05' E.	26.96 "	35
N. 79° 40' E.	10.22 "	36
N. 86° 32' E.	4.84 "	37



Meanders

chain

S 86° 30' E.	9.96 chs	38
N. 80° 12' E.	7.60 "	39
N. 81° 10' E.	13.52 "	40
N. 68° 02' E.	5.22 "	41
N. 86° 00' E.	13.78 "	42
Incl 17 <sup>th</sup> 1883.		
S 88° 28' E.	6.93 "	43
S 81° 55' E.	5.78 "	44
S 77° 35' E.	9.36 "	45
S 80° 28' E.	30.07 "	46
S 45° 13' E.	12.05 "	47
S. 61° 10' E.	9.33 "	48
S. 50° 10' E.	25.50 "	49
S 88° 52' E.	18.10 "	50
S. 22° 45' E.	18.60 "	51
S. 88° 15' E.	21.80 "	52
S 83° 20' E.	8.90 "	53
N. 64° 22' E.	13.75 "	54

continued

\*

chains

N. 46° 33' E.	23.81 ch	55
N. 29° 18' E.	26.79 "	56
N. 51° 32' E.	14.06 "	57
N. 22° 05' E.	18.42 "	58
S. 61° 10' E.	20.36 "	59
S. 58° 20' E.	7.22 "	60
N. 88° 35' E.	6.10 "	61
N. 80° 45' E.	19.79 "	62
N. 45° 00' E.	7.66 "	63
N. 48° 00' W.	2.10 "	64
N. 49° 45' E.	13.29 "	65
Pa. 13° 06' E.		
S. 88° 55' E.	17.18 "	66
N. 26° 50' E.	18.18 "	67
N. 51° 48' E.	73.01 "	68
N. 1° 58' W.	13.84 "	69
N. 25° E.	2.00 "	70
N. 8° 50' E.	21.89 "	71

## Meanders

chains

4	N. 6° 35' W.	5.79 chains	72
	June 18 <sup>th</sup> 1883.		
	N. 71° 28' E.	15.82 "	73
	S. 30° 30' E.	4.00 "	74
	S. 43° 16' E.	38.62 "	75
	S. 65° 44' E.	40.86 "	76
	S. 89° 08' E.	6.24 "	77
	N. 46° 50' E.	5.18 "	78
	N. 42° 14' E.	11.12 "	79
	N. 25° 19' W.	29.85 "	80
	N. 12° 54' E.		
	N. 47° 28' W.	20.34 "	81
	N. 61° 59' E.	19.16 "	82
	N. 8° 50' E.	28.61 "	83
	N. 60° 05' E.	10.64 "	84
	S. 78° 02' E.	17.72 "	85
	N. 76° 05' E.	31.87 "	86
	Total to this point.	1439.71 ch	

continued

chains

or 17 Miles 79 chs 21 lbs,  
here the Cañon of the Gila River  
ends, and gradually opens into  
a wide valley.

" Sand through Cañon worth less,  
perpendicular rocks rise on both  
sides to the height of from 1000 to  
3000 feet, leaving but a narrow  
rocky passage, often obstructed  
by fallen rocks, many places  
are so narrow, that miles on  
miles had to be chained in  
the stream,

Both Banks are heavily fringed  
with Willows, and dense under-  
growth, wherever there is any soil. "

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# Meanders

chains

Thence I continue on Meanders  
up and along the Gila River  
Va 12° 45' E.

N. 50° 15' E.	94.17 chains	87
N. 27° 57' E.	22.87 "	88
S 83° 57' E.	73.05 "	89
N. 60° 00' E.	145.96 "	90
S 60° 02' E.	112.00 "	91
Saw Carlo Agency br N. 25° E. about 3000 ch		
June 19 <sup>th</sup> 1883.		
S. 89° 57' E.	94.88 chs	92
N. 34° 14' E.	114.00 "	93
N 18° 02' E.	59.18 "	94
S 87° 28' E.	133.40 "	95
S 74° 54' E.	475.20 "	96
N. 88° 49' E.	195.90 "	97
June 20 <sup>th</sup> 1883.		
S 63° 44' E.	206.30 "	98
S 74° 03' E.	261.77 "	99

continued

chains

S. 30° 29' E. 400.62 chs

S. 57° 59' E. 197.30 "

Total to point north of Camp Goodwin  
2586.60 chains

or 32 Miles 26 chs 60 lbs.

This line runs through the wide valley of the Gila River and follows the River closely, to top at this point it being due north of the Flagstaff at Camp Goodwin.

Land is level,

Soil alluvial and 1<sup>st</sup> rate  
Timber dense Cottonwood, Willows  
Mesquite and dense under-  
growth throughout.

June 21<sup>st</sup> 1883.

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### Meanders

chains

#### Recapitulation.

From mouth of the San Pedro River to 10 Miles Monument

800.00

along from said Monument through the Cañon of the Gila River

1439.21

Up the Gila Valley to a point North of Camp Goodwin

2586.60

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4825.81 Total 60 Miles 25 chs 81 lks.

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## Survey of White Mountain Indian Reservation

Arriving at Camp Godwin I learned that the country along the Summit of the Gila Mts was entirely destitute of water, with but one or two exceptions, and that any water which might be had, was fast drying up, I therefore proceed at once to survey that part of the Reservation, while there remained some chance to get a small supply.

At the point of intersection of the north Bank of the Gila River, with a true Meridian through the Flagstaff at Camp Godwin, which was the point where



## White Mountain

I stopped the meander line, I  
commenced the Survey of the  
White Mountain Indian  
Reservation, this point being  
subject to overflow of river  
North on a true line

Ya.  $12^{\circ} 50' E$

- 1.05 Set a Malpais rock  $14+8+6$  ins.  
10 ins. in the ground, marked  
I.M.W.M.I.R.W.C. for Initial  
Monument White Mountain  
Indian Reservation Witness corner  
and raised a mound of stones  
alongside, Site impracticable  
from which

a Cottonwood 15 in. dia. to N.  $64^{\circ} W$  116 lbs. dia. dist.  
marked I.M.W.M.I.R.B.T

a Cottonwood 12 in. dia. to S.  $88^{\circ} E$  22 lbs. dia. dist.

## Indian Reservation continued

chain

marked I.M.W.M.I.R.B.T

Thence I continue North on a true line with same Pa.

37.55  $\frac{1}{4}$  Sec. Cor. between Secs. 7 & 12 T. 4 N.R<sub>22</sub> & R<sub>23</sub> East to East 82.55 ch

dist. which is a Post 3 ft long properly marked and notched set in mound of earth, with pits

24 x 12 x 12 ins as established exp instruction

6000

Enter Wash drains S. W. and leave Gila River Valley ascending North.

8000

A Volcanic rock in place 2 x 2 x 1 ft. above ground which I mark W.M.I.R. No. 1. with a cross (X) at exact cor. point, and build a monument of stone alongside, Pits impracticable

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## White Mountain

Chairs

Land in Valley 1<sup>st</sup> rate, thence  
Broken, and 3<sup>d</sup> rate  
Timber in Valley, Cottonwood  
Willows, etc. and dense under-  
growth thence Mesquite, Catalpa  
Paloverde and Greasewood brush.  
June 22<sup>d</sup> 1883.

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North on a true line

To  $12^{\circ} 50' E.$

Over the foothills of the Gila  
River Range of Mountains

50.05 Leave Wash course S. W.

80.00 Set a Limestone  $15 \times 14 \times 4$  ins. 10  
ins. in the ground, marked W.M. I.R.  
No 2. and raised a mound of  
stone alongside

## Indian Reservation continued

chain

Pits impracticable

Land rocky and mountainous

Soil 3d rate

Timber Magnolia Brush, Catclaw

Paloverde &amp; Greasewood Brush

Some Grass.

North on a true line

Ta  $13^{\circ}05'E$ 

over rocky Hills

10.05 Wash 30 lks wide course S. W.  
thence up Wash43.05 leave Wash and ascend N. slope  
of Hill.

80.00 Set a Hinestone 20+12+9 ins.

15 ins. in the ground marked

W. M. I. R. No 3. and raised a



## White Mountain

chain

mound of stone alongside,  
 Pts impracticable,  
 land rocky and mountainous  
 Soil 3<sup>d</sup> rate.  
 Timber, Mesquite Paloverde,  
 and Catclaw, Some Grass.

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North on a true line  
 Va  $13^{\circ}05'E$

over the foot hills of the Giles  
 Range of Mountains.  
 Ascending

80.00 Set a Malpais rock  $14 \times 10 \times 6$  ins.  
 give in the ground, marked  
 W. M. I. R. No 4 and raised a  
 mound of stone alongside,  
 Pts impracticable

## Indian Reservation continued

chains

Land mountainous and ascending  
North  
Soil 3<sup>d</sup> rate.  
Timber of Magnite, Cats claw  
Some Grass.

---

North on a true line

Va  $13^{\circ}05' E'$

40.03 Cross Summit of High Ridge  
course S. W.

60.63 Wash 30kts wide course S. W.

80.00 Set a Malpais rock 18+14+8  
ins. 12 ins. in the ground,  
marked W. M. L. R. No 5. and  
raised a mound of stone,  
alongside, Pts impracticable  
Land mountainous

## White Mountain

chairs

and ascending North.

Soil 3<sup>d</sup> rate

Timber, Mesquite, Catclaw &amp; Greasewood

Some Grass.

North on a true line

Ta  $13^{\circ} 05' E$ 

76.30 Summit high ridge to S. W.

80.00 Set a Volcanic rock 16+10+8 in

N.W. in the ground, marked

W. M. I. R. No 6. and raised a mound  
of stone alongside, Pts impracticable

Land mountainous &amp; ascending

Soil 3<sup>d</sup> rate

Timber, Mesquite &amp; Catclaw.

Some Grass.

## Indian Reservation continued

Chains

North on a true line

Va 13° 05' E!

Enters on the Main Range  
of the Gila Mountains

7.06 Deep Cañon 3000 wide course S.W.

15.00 Summit of Ridge to S.W.

45.20 Deep rocky Cañon 200 ft. deep course S.W.

80.00 Set a Volcanic rock 18+14+9 ins.

12 ins. in the ground, marked  
W. M. I. R. No 7. and raised a  
mound of stone alongside  
Pto impracticableLand very mountainous &  
ascending North

Soil rocky.

Some Bush and Grass

June 23<sup>d</sup> 1883



# White Mountain

chain

North on a true line

$\text{Va } 13^{\circ} 05' \text{ E.}$

- 35.10 Summit of high Ridge to S.W.
- 58.00 Deep Rocky Cañon 250 yds wide course E.W.
- 80.00 W Summit of high Ridge, Set a volcanic rock 157 1/2 + 10 ins. 10 ins. in the ground, marked W. M. I. R. N. 8. and raised a mound of stone alongside. Pts impracticable. Land very mountainous. Soil rocky. Some Bunch and Grass.

North on a true line

$\text{Va } 13^{\circ} 05' \text{ E.}$

- 20.06 Rocky Cañon 500 ft. deep direction S.W.

## Indian Reservation continued

Chains

- 45.20 Ascend Rocky Bluff Bank
- 80.00 Set a Volcanic rock 20+14+10 in.  
15 in. in the ground, marked  
W. M. I. R. N° 9, and raised a  
mound of stone alongside  
Pit's impracticable  
Land extremely rough and  
mountainous  
Soil rocky  
Some Bush and a few  
scattering Junipers.  
Some Grass.

North on a true line

Va 13° 25' E!

Ascending over high Rocks

80.00 a Volcanic Rock in place

30  
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# White Mountain

chain

17 + 9 + 8 ft above ground, which  
I mark W. M. I. R. No 10 with a  
cross X at exact cor. point. and  
build a mound of stone  
alongside, Pts impracticable  
land extremely rough and  
mountainous

Soil rocky and worthless

Some few scattering Oak & Juniper  
Some Grass.

---

North on a true line

Ya  $13^{\circ}25'E!$

10.65 Descending into rocky Cañon  
come S. W.

55.31 Cañon 800 ft. deep drain S. W.  
and ascend

## Indian Reservation continued

chain

8000

Near Summit of Ridge Set a  
Volcanic rock  $157 \times 12 \times 10$  ins.  $10$  in  
in the ground marked W.M.I.R. No 11  
and raised a mound of stone along it, left impression  
hand extremely rough and  
mountainous

Soil rocky, indicating mineral  
Some scattering Juniper.  
Some Grass.

North on a true line

Va  $13^{\circ} 25' E!$

19. 81 Cañon 200 ft. deep drains S.W.  
ascending

8000 Set a Volcanic rock  $24 \times 18 \times 10$   
ins.  $18$  ins. in the ground,  
marked W.M.I.R. No 12. and  
raised a mound of stone



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## White Mountain

chain

alongside, Pto impracticable  
 Land extremely rough & mountainous  
 Soil rocky and worthless.  
 Some Grass.

North on a true line

Va  $13^{\circ} 25' E!$

10.67 Descend into Cañon 700 ft. deep  
 drains S.W. and ascend over rocky  
 Mountain,

80.00 Set Volcanic rock  $23 \times 10 \times 8$  in.  
 18 ins. in the ground, marked  
 W. M. I. R. No 13. and raised a  
 mound of stone alongside, Pto  
 impracticable  
 Land extremely rough & mountainous  
 Soil rocky

## Indian Reservation continued

chain

Some Juniper and Pinon Pine  
Some good grazing.

North on a true line  
Va  $13^{\circ}25' E$

ascending over steep mountain

80.00 Set Volcanic stone 19+14+19

ins. 15 ins. in the ground,  
marked W. M. L. R. No. 14. and  
raised a mound of stone  
alongside

Pts impracticable from which  
a Cedar 24 ins. dia. br.  $S. 64^{\circ} N. 27$  lbs dist  
marked W. M. L. R. No. 14. B. T.

Land rocky and mountainous  
Soil 3<sup>d</sup> rate

Pinon Pine, Cedar & Oak

White Mountain

chauss

Good Grass.

North on a true line

To  $13^{\circ}25' E!$

Ascend to Summit

60.20 Intersect the Summit of  
the Gila Range of Mount-  
ains, br S.  $35^{\circ} E!$  and N.  $35^{\circ} W!$   
I set a Volcanic rock  $24 \times 18 \times 15$   
ins.  $18$  ins. in the ground, marked  
W. M. I. R. N. 14. 60.20 and  
raised a monument of stones  
alongside, on the solid base of  
a rock mon. 6ft high and  
5ft. base, Pits impracticable  
from which  
a Cedar 36 ins. dia. br S.  $82^{\circ} W!$  4.86 ch. dist.

## Indian Reservation continued

chain

marked W. M. L. R. N<sup>o</sup> 14 <sup>60.20</sup> B. T.Monument Not. raised upon  
the nearest summit East. broS<sup>o</sup> 35<sup>o</sup> 45' E:

Land rough and Mountainous

Soil 3<sup>d</sup> rate

Cedar and Piñon Pine.

Good grazing.

June 24<sup>th</sup> 1883



# White Mountain

chain

Finding it impossible to chain along the Summit of the Gila Range of Mountains on account of impassible precipices, I run along the north slope of the Mountains, sending the flag to the Summit of the principal Peaks, at the same time erecting and marking monuments, and number them from West to East.

From the point established and marked W.M.I.R. No 14<sup>60.20</sup> Monument No 1 bears S 35° 45' E. I run run a base line N. 75° 28' E.

To 14° 02' E.

304.00 chs from which Monument

## Indian Reservation continued

chain  
 No 1 brs S.  $24^{\circ}15'$  W. which  
 gives the following distance.

From Monument marked  
 W. M. I. R. No 14.  $60.2^{\circ}$  to Monument  
 No 1. S  $35^{\circ}45'$  E.  
 Va  $14^{\circ}02'$  E.

273.63 Across deep Depressions and Cañons  
 up the steep Mountain to Monument  
 No 1. Set a volcanic stone  $24 \times 15 \times 12$   
 ins. 18 ins. in the ground, marked  
 W. M. I. R. No 1. and raised a  
 mound of stone 5 ft. high 4 1/2  
 ft. base alongside, Pits imp-  
 radicable, from which  
 Monument No 2. br S  $41^{\circ}35'$  E.  
 This monument is raised upon

## White Mountain

chains

a round topped mountain, sloping first easily and smooth, but gradually the slope becomes steeper it stands somewhat isolated from the other surrounding Mts.

---

From return to Point on N. slope  
and continue same course ( $N 75^{\circ} 28' E$ )  
435.00 chs No 2. to  $S 4^{\circ} 40' E$ .  
" " " No 1. "  $S 37^{\circ} 54' W$ .

June 25. 1883.

Thence  $S 39^{\circ} 21' E$ .

to  $14^{\circ} 02' E$ .

260.00 chs No 3. bears  $S 0.10' E$ .

530.49 " No 3' "  $S 25^{\circ} 30' W$ .

" " " " 4 "  $S 3^{\circ} 10' W$ .

" " " No 5 " South

June 26<sup>th</sup> 1883.

## Indian Reservation continued

chains

Thence same course (S 39° 21' E)

720.00 chs No 2 brs S 71° 14' W.

" " " " 4 " S 26° 50' W.

800.00 " No 5 " S 34° 45' W.

June 27<sup>th</sup> 1883.1150.00 <sup>chs</sup> End of this course <sup>is also on line with No 9</sup> from this  
Point to chain to No 8 brs S 8° 45' E.132.80 June 28<sup>th</sup> 1883.

The foregoing triangulation will  
give the following distances.

From Monument No 1 to Mon-  
ument No 2 S 41° <sup>21</sup>35' E.

Ta 14° 02' E.

<sup>51</sup>  
478.44 Set a Volcanic stone 24 x 18 x 12



# White Mountain

chains

ins. 18 ins. in the ground, marked  
W. M. I. R. N° 2. and raised a  
monument of stone 6 ft. high  
4 1/2 ft. base alongside, pit  
impracticable, from which  
a cedar 36 ins. dia. br. N. 28° 30' E. 67 lks. dist.  
marked W. M. I. R. N° 2. B. T.

Monument No 3. br S. 53° 16' E.

This Monument is raised upon  
a sharp, rocky Peak, turret shaped  
and near center of Mountain.

From Monument No 2 to  
Monument No 3. S <sup>56° 09'</sup> 53° 16' E.

via 14° 02' E.

132.3C  
135.50

across rocky cañons & Mts.  
Set a limestone 21 x 16 x 10 ins.

15 ins. in the ground, marked

## Indian Reservation continued

Chain

W.M. I.R. No 3. and raised a monument of stone 4 ft. high 5 ft. base alongside, Rio unpracticable. from which Monument No 4. br S.  $64^{\circ} 28' E$ . This Peak is the highest in this part of the Mountain. is round topped and very rocky and can easily be identified by its height and dimensions.

---

From Monument No 3 to  
Monument No 4. S  $64^{\circ} 28' E$   
Va  $13^{\circ} 20' E$

<sup>19</sup> 164.20 across High Mountain ridge, and deep Cañons, a Tohavic rock in place 3x3+2 ft.

White Mountain

chain

above ground which I mark  
 W. M. I. R. No 4. with a cross (X)  
 at exact point, and raised  
 a mound of stone 5 1/2 ft. high  
 5 ft. base alongside, Pits  
 impracticable from which  
 Monument No 5. b. S. 49° 20' E.  
 This monument is erected upon  
 a round topped rather smooth  
 Mountain, near the center of  
 the Gila Range of Mountains.

From Monument No 4 to Mon-  
 ument No 5. S <sup>45. 26</sup> 49° 20' E.  
 Va 13° 20' E.

33.49  
 31.80

a Rock in place 3 x 2 x 2 ft.  
 above ground, marked W. M. I. R. No 6

## Indian Reservation continued

chains

with a cross (X) at exact corner point, and raised a mound of stone 7ft. high 6ft. base, along side, Pits impracticable, from which a Pine 12 in. dia. to N.  $85^{\circ}$  W. 2.04 ch dist. marked W.M.I.R. N<sup>o</sup> 5.B.T

a Pine 11 in. dia. to  $S 44^{\circ}$  E. 5.5 lbs dist. marked W.M.I.R. N<sup>o</sup> 5.B.T.

Monument No. 6. bears  $S 40^{\circ} 50' E'$ .  
This monument is raised upon the high Bluffs immediately North West of Paymaster's Park.

---

From Monument No 5 to  
Monument No. 6.  $S 40^{\circ} 50' E'$   
chaining. Va.  $13^{\circ} 20' E'$   
Descending over high Rocks



## White Mountain

chain

57.77 Set a Volcanic rock  $2\frac{1}{2} \times 12 + 12$  ins.

18 ins. in the ground, marked  
W. M. I. R. No 6. and raised a mound  
of stone, 6 ft. high and 5 ft. base  
alongside Pits impracticable,  
from which

a Cedar 34 ins. dia. br N.  $22^{\circ} 30' E$ . 156 chs dist.  
marked W. M. I. R. No 6. B. T.

a Cedar 22 ins. dia. br N.  $88^{\circ} W$ . 107 chs dist.  
marked W. M. I. R. No 6. B. T.

a Cedar 24 ins. dia. br S.  $15^{\circ} 10' W$  2.83 chs dist.  
marked W. M. I. R. No 6. B. T.

This monument is directly West  
of Paymasters Trail and about  
200 yds North of Paymasters Tank.

---

From Monument No 6. to Mon

## Indian Reservation continued

chain

monument No 7. I continued S.  $46^{\circ}50' E$ .  
Chaining.

Pa.  $13^{\circ}20' E$ .

0.08 Trail N+S.

1.60 Wash drains North 5 lbs wide  
ascending over Bluffs

41.26 Summit of Bluffs, mark  
Volcanic Rock in place,  $3\frac{1}{2} \times$   
 $2\frac{1}{2}$  ft above ground, marked  
W. M. I. R. No 7. with a cross (X) at  
exact corner point, and raised  
a monument of stone 7 ft.  
high  $5\frac{1}{2}$  ft. base alongside,  
Pts impracticable from which  
a Gunter 11 in. dia. br N.  $40^{\circ} W$ . 69 lbs dist  
marked W. M. I. R. No 7. B. T.  
A Pine 10 in. dia. br West 1.33 lbs dist.  
marked W. M. I. R. No 7. B. T.  
Monument No 8 br  $576^{\circ}00' E$ .

# White Mountain Indian

chains

This monument stands upon the high Bluffs immediately South East of Paymasters Park.

From Monument No 7 to Mon. No 8. S 76° 05' E.

363.20 <sup>7a 13° 20' E'</sup>  
 over Rocky Mountains descending East.  
 Set a Granite <sup>stone</sup> 18 x 10 x 8 ins. 12 ins. in the ground, marked W. M. I. R. No 8. and raised a mound of stone, 4 1/2 ft high 5 ft. base alongside. Pts impracticable, from which <sup>springed</sup> a cedar 4 ft. dia. br N. 8° 45' E. 110 chodist marked W. M. I. R. No 8. B. T.

Monument No 9. br S 63° 38' E. The point at <sup>East</sup> end of last triangulation, br N. 8° 45' W. 132.80 ch.

## Reservation continued

This monument is on the East  
 Bank of a Wash. with permanent  
 water in Tanks, water Tank bears  
 $N. 33^{\circ} E.$  about  $\frac{3}{4}$  of a mile  
 dist. it is near the place where  
 about a year since, 10 or 12  
 persons were killed by the  
 Apaches.

---

I now return to point  $S 39^{\circ}$   
 $21' E.$  1150.00 chains, from which  
 my last triangulation was  
 taken, and run

$S 77^{\circ} 29' E.$

$7a 13^{\circ} 20' E.$

256.30 chs No 9. br  $S. 28^{\circ} 23' N.$

372.80 " " 9 "  $S. 57^{\circ} 09' N.$



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## White Mountain

chains

372.80 chs No 10. to S<sup>1</sup>.2°15'N." " " 11 " S<sup>1</sup>24°46'E.

641.00 " " 11 " South

707.66 " " 10 " S<sup>1</sup>42°40'N.

The above triangulation will  
give the following distances.

June 30<sup>th</sup> 1883.

From Monument No 8 to  
Monument No 9. S<sup>63°14'</sup>38'E.

167.00 across rocky mountains ascending towards the East  
163.15 Set a direct line 20 + 16 + 12 ins.

15 ins. in the ground marked  
W.M.I.R. No 9. and raised a  
monument of stones 8 ft high  
8 ft. base alongside, pits imp-  
racticable, from which

## Indian Reservation continued

Main

Monument No 10 is  $S. 29^{\circ} 30' E.$   
 This Monument is raised upon  
 the highest Mountain in this  
 vicinity, it is sloping slightly  
 near the top north East and  
 South west, and thence falls  
 off very steep. This Monument  
 can plainly be seen for many  
 miles on account of its lofty  
 position, showing clear against  
 the sky.

From Monument No 9 to  
 Monument No 10.  $S. 29^{\circ} 30' E.$   
 $28.55'$   
 $7 a 13^{\circ} 20' E.$

366.26 across deep depressions and Cañons.  
 367.00 Sit a Volcanic rock 20416 + 12000

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# White Mountain

1500. in the ground, marked W.M.I.R. No 10. and raised a monument of stone alongside 6ft high 5ft base, Pits impracticable from which Monument No 11 to S 66° 30' E.

This Monument stands upon a round conical Hill with steep but even slopes, it is not as high as the Peaks East and West but can be easily identified as no similar shaped Mtn is in the vicinity.

From Monument No 10 to Monument No 11. S 66° 30' E.  
To 13° 00' E.

## Indian Reservation continued

ains

04.53

11.25

Across deep Cañons and high Bluffs

Set a Volcanic rock  $27418 \pm 15$  in.

20 in. in the ground, marked

W. M. I. R. No. 11. and raised a

summit of stone 6 ft high and

5 ft base alongside Pits impract-

icable, from which Monument

No 12 has  $S'72^{\circ}13'E$ .

This Monument is raised upon

one of the steepest and highest

Peaks, and is the Center of

a separate group of Mountains

rising <sup>far</sup> above its surroundings

I now return to end of last

course chained ( $S'77^{\circ}29'E$  707.66 ch.)

but finding it almost impossible



White Mountain Indian

chains

to continue, I run with short distances down Bonito Cañon as follows.

$N$  a  $13^{\circ}00' E$   
 $S$   $30^{\circ}15' E$  24.00 chs  
 $S$   $20^{\circ}15' E$  40.00 chs  
 $S$   $47.40' E$  18.50 "  
 $S$   $30^{\circ}40' E$  93.80

Total 176.30 chs

July 11<sup>th</sup> 1883.  
 Thence I run

$S$   $83^{\circ}29' E$  35.41 leave Cañon (Corner)  
 " " 80.31 N 116°  $S$   $35^{\circ}2' N$   
 " " " " 12"  $S$   $1^{\circ}18' N$   
 " " " " 13"  $S$   $12^{\circ}40' E$   
 " " " " 14"  $S$   $34^{\circ}10' E$   
 " " " " 15"  $S$   $55^{\circ}01.2' E$   
 " " " " 16"  $S$   $49^{\circ}10' E$

thence continue same course

## Recreation continued

8. 83° 29' E.

Ya 12° 48' E.

473.00 chs No 11. to S 65<sup>38</sup>' W.

" " " 12 " S 48° 10' W.

" " " 13 " S. 30° 15' W.

" " " 14 " S 17° 40' W.

" " " 15 " S 9° 27' E.

" " " 16 " S. 11° 30' E.

The above triangulation will  
give the following distances.

July 2<sup>d</sup> 1883

From Monument No 11 to Mon-  
ument No 12 S <sup>70</sup> 72° <sup>03</sup> 13' E.

Ya 13° 00' E.

line runs over high Bluffs and  
precipices

# White Mountain

chairs

232.72

235.85

A Burnt Sandstone in place  
 10 x 10 x 6 ft above ground, marked  
 W. M. I. R. No 12, with a cross (X) at  
 exact cor. point, and raised a  
 monument of stones 6 ft high 5 ft  
 base alongside, Pts impracticable  
 from which Monument No 13.  
 to  $S 47^{\circ} 40' E$ .

This monument is raised  
 upon a very rugged and high  
 Mountain and is almost  
 inaccessible, and is nearly as  
 high as No 11.

---

From Monument No 12 to Mon-  
 ument No 13.  $S 47^{\circ} 40' E$ .  
 $48^{\circ} 19'$   
 to  $12^{\circ} 54' E$ .

## Indian Reservation continued

chain

line runs over high Bluffs and precipices.

167.12

169.25

A Burnt Sandstone in place, 20 x 15 x 10 ft above ground, marked W. M. U. R. No 13. with a cross (x) at exact cor. point. and raised a monument of stones 6 ft. high 5 1/2 ft. base alongside, Pts impracticable, from which Monument No 14 to N 55° 02' E.

This monument is raised upon a Mountain nearly similar in character and appearance as the one last described, and is somewhat lower, in the same group of Mountains.

---



## White Mountain Indian

chains

From Monument No 13 to Mon-  
ument No 14. N.  $55^{\circ} 02' E$ .

To  $12^{\circ} 48' E$

line runs over high rocky ridges,  
and deep canyons down into

Borrito Cañon.

194.65  
196.00

On East Bank of Borrito Creek  
I set a Granite Boulder  $12 \times 10 \times 8$   
ins. 8 ins. in the ground, marked  
W. M. I. R. N. 14. and raised a  
monument of stones  $4\frac{1}{2}$  ft high  
5 ft base alongside it to impracticable  
from which

a Cottonwood 36 ins. dia. to  $S 21^{\circ} W$ . 22 ch. dist.  
marked W. M. I. R. N. 14. B. T.

Monument No 15. to N.  $55^{\circ} 02' E$

This monument is near some  
Cliff dwellings which are in the

## Reservation continued

Cairns

perpendicular Wall on East side of  
Cañon and somewhat south of  
this Monument.

---

From Monument No 14 to Mon-  
ument No 15. N. <sup>57. 21</sup> 55° 02' E!

Pa 12° 48' E!

line runs over steep ridge, and  
deep Cañon.

187.11

183.25

a Volcanic rock in place 3x2x2  
ft above ground, marked W.M.I.R  
No 15. with a cross (X) at exact cen-  
ter, and raised a monument  
of stones, 7 ft. high 6 ft. base  
alongside, Pts impracticable  
from which Monument No 16  
brs S. 17° 30' E!

16' 50"

White Mountain Indian

chain

This Monument is raised upon a sharp rocky Peak rising abruptly from Bonito Cañon

From Monument No 15 to  
 Monument No 16.  $16^{\circ} 50'$   
 $S' 17^{\circ} 30' E'$   
 $Ta 12^{\circ} 48' E'$

100.77  
 104.00

line runs across deep precipice,  
 a Volcanic rock in place 6 x 5 x 3  
 ft. above ground, <sup>marked W.M. I.R. No 16</sup> with a cross (x)  
 at exact cor. point. - and raised  
 a monument of stone, 6 ft  
 high and 5 ft. base alongside  
 from which Monument  
 No 17 bears N.  $37^{\circ} 30' E'$

This monument is raised upon the highest Mountain

## Reservation continued

chain  
East of Bonito Creek it is flat topped with rocky Bluffs near its Summit.

---

Now return to end of last course chained ( $S 83^{\circ} 29' E$  473 ch) and continue as follows, ascending towards the Summit of the Gila Range of Mountains.

To  $13^{\circ} 00' E$

$S. 60^{\circ} E$  115.44 ch

$S. 28^{\circ} 30' E$  98.15 "

$N. 86^{\circ} 30' E$  84.83 "

This last course <sup>and distance</sup> I find from calculation to be required to intersect the  $109^{\circ} 30'$  Meridian West of Greenwich at the



## White Mountain Indian

chains

Summit of the Gila Ranch  
of Mountain.July 3<sup>d</sup> 1883From Monument No 16 to  
Monument No 17.N. <sup>36</sup>37° <sup>22</sup>30' E.

To 12° 54' E.

268.54

across deep canon, and steep sluff.

263.50

To South East Corner of the

White Mountain Indian

Reservation in longitude 109° 30'

West of Greenwich and in North

Latitude 33° 06' 10", from the

Records of the U. S. Surveyor

Generals office in Tucson I

find that the Astronomical Mon-

ument, established on the

Boundary line bet. New

## Reservation continued

Lains

Mexico and Arizona near the Silver City and Clifton Road is in North latitude  $32^{\circ} 41' 19''$  and in longitude  $109^{\circ} 02' 59'' 75$

West of Greenwich, this is connected with the public surveys it being 26.00 chs South of, and 79.60 chs East of cor. to Secs 27, 28, 33 & 34 S. 85. R 32 E. G + S. River Meridian.

I connect my survey with  $\frac{1}{4}$  Sec. cor. bet. Secs. 7 & 12 S. 4. S.

Rs 22 & 23 E. which point I find to be in north latitude  $33^{\circ} 07' 50''$  and which point is 82.55 chs East of the North and South line through Camp Goodwin, computing the distances, from

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# White Mountain Indian

chains

the Boundary line to <sup>a point south of</sup> Camp Goodwin we have 59 Miles 02 chs 15 lbs from boundary line to intersection of lat.  $32^{\circ}41'19''$  with North and South line through Goodwin.

The latitude of S. E. corner of Reservation is  $33^{\circ}06'10''$  and of astronomical Monument  $32^{\circ}41'19''$  allowing 10.88 chs for convergence we have a distance in this lat. from the Boundary line to a point north of Goodwin in same lat of 58 Miles 71 chs 27 lbs and distance from  $109^{\circ}30'$  to  $109^{\circ}02'57''$  of 26 Miles 07 chs 92 lbs.  
hence 58 M. 71 chs 27 lbs  
minus 26 . 07 . 92 "

## Reservation continued

Gives<sup>as</sup> the distance from a point  
 north of Goodwin to <sup>long.</sup>  $109^{\circ}30'$  West  
 of Greenwich a distance along same  
 latitude of 32 M. 63 chs 35 lks  
 from the ~~crosses~~ and distances  
 run I find, <sup>by falling</sup> that my last  
 course and distance must  
 be  $N. 86^{\circ}30' E. 84. 83.$  chs in order  
 to meet the conditions, namely to  
 find the point of intersection of  
 the Gila Range of Uto. with long.  
 $109^{\circ}30'$  W. of Greenwich. at which  
 Point I set a Volcanic rock  $36 \times 12 \times 12$  ins  
 $27$  ins. in the ground, marked S. E. C.  
 W. M. I. R.  $109^{\circ}30'$  and raised a mon-  
 ument of staves 7 ft. high 6 ft. base  
 alongside, Pits impracticable. from which  
 a Cedar 12 ins. dia. on north 1.90 chs dist.



## White Mountain Indian Reservation, continued

marked S. E. C. W. M. H. R. B. T.

a Cedar 12 in. dia. by N. 80° W. 2.72 chodist  
marked S. E. C. W. M. H. R. B. T.

This monument is raised upon a prominent  
round Mountain flat on top, and rocky towards  
the South, it slopes towards North and East  
towards Eagle Creek and South and West  
towards Bonito Creek and is on Summit  
of Main Range of Mountains.

The Gila Mountains are throughout rocky  
and barren, with but little water, and  
occasionally a few scattering trees, there is  
some grass,

This survey was accompanied with a  
great deal of hardship, to every one engaged  
in it, and without the utmost perseverance  
it could not have been accomplished.

July 4<sup>th</sup> 1883.

Survey of South Boundary San  
 Carlos Reservation continued

2100

At a point where a due North line through the Flagstaff at Camp Goodwin intersect the South Bank of the Gila River I commenced my survey of the South Boundary of the San Carlos Reservation, having first telegraphed for permission to run the line from East to West instead as per contract from West to East, for the following reasons in examining the Meander lines, it will be seen that the portion lying West of San Carlos are short distances, and the Eastern portion, are all long, I further discovered that the 15 miles run South through Camp

# South Boundary

chain

Goodwin, are on comparatively level ground, while the 15 miles on the West side run over the roughest kind of country, my closings would therefore be likely to be more satisfactory if I took advantage of this, as it would enable me to produce at least as far as the Coalfields the exact angles as obtained from meandering the River, and have the distance of 15 miles South and parallel to <sup>the</sup> River, as near correct as possible, I now run South on a true line  $\gamma a 12^{\circ}40' E$ .

2.45 to a place not subject to overflow, where I set a



## San Carlos Reservation

chains

- Malpais rock 15710 + 6 ins. 10  
ins. in the ground, marked  
S. B. S. C. ~~175~~ <sup>IM</sup> and raised a mound  
of stone alongside, Pits impracticable
- 13.95 Cross Road to Camp Thomas <sup>to</sup> S. E.
- 52.29 Top of Round Butte and leave  
Gila Valley <sup>to</sup> S. E. over high Hills
- 72.15 a Wash 3000 wide course N. E.
- 80.00 Set a granite 24 + 20 + 6 ins. 18 ins.  
in the ground, marked S. B. S. C. ~~175~~ <sup>175</sup>  
and raised a mound of stone along-  
side, Pits impracticable
- Land <sup>rock and</sup> 1<sup>st</sup> rate in valley, then  
3<sup>d</sup> rate
- Timber, in Valley <sup>dense</sup> Mesquite Catclaw  
Paloverde  
Some Grass on Hills.
-



East

## South Boundary

chain

South on a true line

Ta 12° 40' E'

6.05 Descent into Cañon drains N. E.

12.09 Summit high ridge to N. E.

74.75 Enter deep Wash drains N. E.

80.00 Set a granite stone 12 x 10 x 5 in

8 in. in the ground, marked

S. B. S. C. ~~2~~ M. and raised a

mound of stone alongside,

Pits impracticable.

Land <sup>mountain</sup> High, and intersected  
by deep Washes.Soil 3<sup>d</sup> rateTimber Mesquite Brush, Catclaw,  
& Palo verde,

Some Grass.

South on a true line

East

## San Carlos Reservation

chains

N<sub>120</sub> 40' E.

6.00

Leage Wash drains N. E.

16.00

Cross Goodwin valley <sup>5/8</sup> m. N. E. & S. W.

29.75

Flagstaff at Camp Goodwin, of which find the remains  $1\frac{1}{2}$  ft high, above ground, 1 ft. in dia. At this point I set a Granite  $18 \times 18 \times 7$  ins. 12 ins. in the ground marked I. M. S. B. S. C. dug pits  $4 \times 4$  ft square 18 ins. deep North and South of corner <sup>5/8</sup> ft. dist. and raised a mound of earth  $3\frac{1}{2}$  ft. high and 6 ft. base alongside,

July 5<sup>th</sup> 1883.

39.25

Cross Goodwin Creek 5 lbs wide corner N. E.

30.00

Set a Granite  $14 \times 12 \times 4$  ins. 10 ins. in the ground, marked S. B. S. C. <sup>3</sup> M. dug pits  $24 \times 18 \times 12$  ins. N & S. of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft. high  $4\frac{1}{2}$  ft. base,

# South Boundary

chain

alongside,  
Land level,  
Soil 1<sup>st</sup> rate  
Timber Cottonwood, Mesquite,  
Dense undergrowth of Willows

---

South on a true line

N  $12^{\circ} 45' E$ .

68.00 Cross Road to N. E.

80.00 Set a Granite 12+10+8 ins. 8 ins.  
in the ground, marked S.B.S.C. #M.  
dig pit 24+18+12 ins. N of stone  
5 1/2 ft. dist. and raised a mound  
of earth 2 ft high 4 ft base  
alongside,  
land level.

Soil 1<sup>st</sup> rate

Timber, Cottonwood, Mesquite

## San Carlos Reservation

Spains

Willows & dense undergrowth  
Some grass.

---

South on a true line

$\gamma a 12^{\circ} 45' E!$

- 11.00 leave Goodwin Valley to N. Ex S. W.  
and as usual
- 47.76 Summit of steep ridge to N.  $10^{\circ} W$ .
- 80.00 Set a granite stone 1579 + 3 in. 10  
in. in the ground, marked S. B.  
S. C. & M. and raised a mound  
of stone alongside, Pts impracticable  
hard rocky and hilly & mountainous  
Soil 3<sup>d</sup> rate  
Timber Mesquite & Catclaw Bush  
Good grass.
- 

South on a true line



# South Boundary

Chain

Ya. 120 45' E.

over rolling foothills.

77.00 Cross Wash 30 ft wide, come N. E.

80.00 Set a Granite 15 x 8 x 5 ins.

10 ins. in the ground, marked  
S. B. S. C. & M. and raised a  
monument of stones along side  
Pits unpracticable.

Land rolling

Soil 3<sup>d</sup> rate

Timber dense Mesquite + Catclaws  
and Spanish cactus.

Good Grass.

South on a true line

Ya 120 45' E.

over rolling foothills

80.00 Set a Quartzite 9 x 8 x 7 ins.

## San Carlos Reservation

chain

6 in. in the ground, marked S.B.S.C. 7 M.  
 dug pits 24+18+12 in. N.S. of stone  
 5 1/2 ft. dist. and raised a mound  
 of earth 2 ft. high 4 1/2 ft. base,  
 alongside.

Hard rolling

Soil 3<sup>d</sup> rate

Timber dense Mesquite & Catalpa

Good Grass.

July 6<sup>th</sup> 1883

South on a true line

N $\alpha$  12 $^{\circ}$  45' E.

over level and rolling ground

8000 Set a Granite 12+10+6 in. 8 in.

in the ground, marked S.B.S.C. 8 M.

dug pits 24+18+12 in. N.S. of stone  
 5 1/2 ft. dist. and raised a mound  
 of earth 2 ft. high 4 1/2 ft. base alongside

BOOK 1961

# South Boundary

chain

Land rolling & level

Soil 3<sup>d</sup> rate

Timber <sup>decid</sup> Magnolia & Catalpa

Good grass.

South on a true line

N<sup>o</sup> 12° 45' E'

39.00 Enter Bottom of Black Rock Wood drain <sup>60'</sup> N.E.

69.78 A Road to N. 70° E'

80.00 Set a Granite <sup>stone</sup> 8 + 8 + 8 in. 5 in. in  
the ground, marked S.B.S.C. 9 M  
dig pit 24 x 18 x 12 in. N.W. of stone  
5 ft. dist. and raised a mound  
of earth 2 ft high 4 ft. base  
alongside,

Land mostly level

Soil 1<sup>st</sup> rate in Bottom 3<sup>d</sup> rate <sup>the way</sup>

Timber dense Magnolia some cottonwood

## San Carlos Reservation

chains

and undergrowth  
 Good grass.

---

South on a true line

Va 12045 E.

11.00 leave Bottom land and ascend  
 over hills

8.00 Set a granite stone 12 x 6 x 6 in.  
 8 in. in the ground, marked  
 S. B. S. C. 70 M. and raised a  
 mound of stone alongside, Pts  
 impracticable,  
 Land rocky and hilly  
 Soil 3<sup>d</sup> rate  
 Mesquite & Catclaw brush  
 Good grass.

---



## South Boundary

chain

South on a true line

Ta 12° 45' E!

80.00 Set a Granite stone 15 x 7 x 6 in.

10 in. in the ground, marked

S. B. S. C.  $\frac{11}{2}$  M. dig pits 24 + 18 + 12

in. W. of stone 5 1/2 ft. dist. and

raised a mound of earth 2 ft.

high 4 1/2 ft. base alongside, from which

a Mesquite 12 in. dia. to N. 80° W. 118 lbs dist.

marked S. B. S. C. 4 M. B. T.

Land broken and stilly

Soil 3<sup>d</sup> rate

Mesquite &amp; Catclaw brush.

Some Grass

South on a true line

Ta 12° 45' E!

80.00 Set a Granite 10 x 8 x 8 in. 7 in.

# Sau Carlos Reservation

chains

in the ground, marked S.B.S.C.<sup>12</sup>M.  
dug pits 24 x 18 x 12 in. N+S. of stone  
5 1/2 ft dist. and raised a mound  
of earth 2 ft high 4 1/2 ft. base, along  
side,

Land broken

Soil 3<sup>rd</sup> rate

See Mesquite x Catalpa brush

Good Grass

July 7<sup>th</sup> 1883

South on a true line

N 12° 45' E

4000 A Road to N. 20° E. + S. 20° W.

8000 Set a Quartzite 14 x 8 x 6 in. 10 in.  
in the ground, marked S.B.S.C.<sup>13</sup>M.  
dug pits 24 x 18 x 12 in. N+S. of stone  
5 1/2 ft. dist. and raised a mound  
of earth 2 ft high 4 1/2 ft. base

South Boundary

chain

alongside,  
 Land level etc  
 Soil 3<sup>d</sup> rate  
 Heavy Mesquite & dense Catclaws  
 Good Grass

South on a true line

Va 12° 45' E!

80.00 Set a Quartzite stone 12 x 9 x 8 in.  
 8 in. in the ground marked  
 S. B. S. C. <sup>diag pits 24 x 18 x 12 in. grad. of stone 1/4 ft. dist.</sup> 1/4 M., and raised a  
 monument of earth and stone  
 alongside from which  
 a Mesquite tree. N. 18° E. 142 ch. dist.  
 marked S. B. S. C. 1 M. B. T.  
 Land nearly level  
 Soil 3<sup>d</sup> rate  
 Heavy Mesquite & dense Catclaws

## San Carlo Reservation

chain

good grass.

South on a true line

To  $12^{\circ}40' E$ .

8000 Set a granite stake  $18 \times 10 \times 10$  in. 12 in. in the ground, marked S.B.S.C. S.E.C. dug pits  $24 \times 18 \times 12$  in. N & W of cor.  $5 \frac{1}{2}$  ft. dist. and raised a mound of earth  $3 \frac{1}{2}$  ft high  $5 \frac{1}{2}$  ft base alongside, from which a Mesquite 10 in. dia. to  $N. 52^{\circ}45' W$ . 98 lbs dist marked S.B.S.C. S.E.C. 15 M. B.T.

A Mesquite 70 in. dia. to  $S. 89^{\circ} E$  26 lbs dist marked S.B.S.C. S.E.C. 15 M. B.T.

Land nearly level

Soil 2<sup>d</sup> & 3<sup>d</sup> rate

Dense Mesquite, Catclaw Palmetto

Some good grass.



## South Boundary

Chains.

Being now 15 Miles South  
from the Gila River on a line  
through Camp Goodwin, I now  
proceed to lay off the same  
bearings, parallel to the River  
as obtained by ~~the~~ Meandering  
the River.

From the point just established  
I run N.  $57^{\circ} 59' W.$  on a true line  
To  $12^{\circ} 40' E.$

across broken foothills.

80.00 Set a Granitestone  $17+10+6$  ins.  
12 ins. in the ground, marked  
S. B. S. C. 1 M. dug pits  $24+18+12$  ins.  
<sup>on line</sup>  
on both sides of stone,  $5\frac{1}{2}$  ft. dist.  
and round a monument of  
Earth and stones along side  
Land broken  
Soil 3<sup>d</sup> rate

## San Carlos Reservation

chain

Good Mesquite Catclaw and Palo Verde,  
Good Grass.

---

N.  $57^{\circ} 59' W.$  on a true line

$\backslash$   $12^{\circ} 40' E!$

80.00 Set a granite stone  $18 \times 14 \times 12$  in.  $12$   
in. in the ground, marked S. B. S. C.

2 M. dug pits  $24 \times 18 \times 12$  in. on line  
on both sides of stone,  $5\frac{1}{2}$  ft. dist.

and raised a monument of earth  
and stone alongside, from which

2 Mesquite 12 in. dia.  $7\frac{1}{2}$  ft.  $77.99$  dist. marked S. B. S. C. 2 M. B. T.

Land broken

Soil 3<sup>d</sup> rate

Mesquite Catclaw and Palo Verde  
Good Grass.

---

N.  $57^{\circ} 59' W.$  on a true line

# South Boundary

chains

37.00

End of this come, Set a Granite stone  
 18x15x12 in. 12 in. in the ground, marked  
 S. C. R, dug pits 24x18x12 in. on line  
 on both sides of stone  $5\frac{1}{2}$  ft. dist. and  
 raised a mound of <sup>earth and</sup> stone along side.  
 Thence Iron N.  $30^{\circ} 29'$  W.  $120$  m. true line  
 Ta  $12^{\circ} 40' E$ .

43.00

Set a Granite stone 12x9x6 in. 8 in.  
 in the ground, marked S. B. S. C. M  
 and raised a mound of stone, along side.  
 Pits impracticable  
 Land ascending West & mountainous  
 Soil 3<sup>d</sup> rate  
 Mesquite, Catclaw & Palo Verde  
 Good grass.  
July 8<sup>th</sup> 1883

N.  $30^{\circ} 29'$  W. on a true line  
 Ta  $12^{\circ} 40' E$ .

## San Carlos Reservation

chain	ascending Santa Teresa Mts.
10.00	Enter Wash drain N. 20° E'
43.00	leave Wash
45.00	Summit of high ridge to N. E'
50.21	Descent into Wash drain. N. E'
57.00	leave Wash
65.19	Summit ridge to N. 50° E'
75.00	Center of rocky Wash 30 lbs wide drain N. 50° E'
80.00	Set a Granite stone 1579 x 6 ins. 10 ins. in the ground, marked S.B.S.C. 4 M. and raised a mound of stone, alongside Pts impracticable Land rocky and mountainous Soil 3d rate Some Mesquite, x Catclaw, Bush. Good Grass.

N. 30° 29' W. on a true line  
Va 12° 48' E'



# South Boundary

chains

ascend steep Mountain ridge

8.50 Summit of Ridge <sup>to</sup> N. 50° E. descent

20.00 Bottom of Cañon 300 ft wide drain N. E.

55.57 Summit of high Ridge N. E.

63.00 Rocky gulch 300 ft wide drain N. 70° E.

80.00 A Rock in place 157 1/2 ft above ground, which I mark S. B. S. C. 5 M. with a cross at exact cor. point.

and raised a monument of stone alongside, on Summit of highest Mountain, from which a juniper 2 ft. dia. to S. 30° W. 80 ft dist marked S. B. S. C. 5 M. B. T.

Land rocky and mountainous  
Soil rocky & d. salt.

Some juniper & Mesquite trees.

Good grass.

## San Carlos Reservation

chain

N.  $30^{\circ}29'N$ . on a true line  
 Va  $13^{\circ}05'E$

Descent over Mountain ridges

40.28 Rocky Gulch 200ft. deep drain N.E.

45.00 Ridge to N. E.

53.20 Rocky Gulch 200ft. deep drain N.E.

70.05 Summit Ridge <sup>(KARST?)</sup> N.  $25^{\circ}E$

80.00 Set a Granite  $18 \times 7 \times 6$  ins. 12 ins. in  
 the ground, marked S.B.S.C. 6 M.  
 and raised a monument of  
 stone alongside, Pts unpracticable  
 sand mountainous & rocky  
 Soil 3<sup>d</sup> rate  
 Good grazing.

N.  $30^{\circ}29'N$ . on a true line  
 Va  $13^{\circ}05'E$

2.55 a wash 300 wide drain N.  $30^{\circ}E$

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## South Boundary

chain

- 10.81 Summit Ridge to N. E.  
 15.91 a Wash 25 lbs wide drains N. E.  
 25.81 Summit of Ridge to N. E.  
 39.71 a Wash 20 lbs wide drains N. <sup>50°</sup> E.  
 55.09 Summit of Ridge to N 18° E.  
 65.00 a Wash 25 lbs wide drains N. 18° E.  
 70.00 Summit of Ridge also North  
 80.00 Set a granite <sup>stone</sup> 18' x 7' x 6 ins. 12 ins. in the  
 ground, marked S. B. S. C. 7 M. and  
 raised a monument of stone along with  
 Pit impracticable  
 Land rolling steep mountains very broken  
 Soil 3<sup>d</sup> rate  
 Good Grass.

N. 30° 29' W. on a true line

N. 13° 05' E.

- 11.57 a Wash 30 lbs wide course N. 10° E.



## San Carlos Reservation

chains

- 24.00 Summit of Ridge to N. E.
- 39.62 End of this course, Set a Granite 24x20x18  
ins. 18 ins. in the ground, marked S.C.R.  
and raised a monument of stone  
alongside, Pits impracticable  
Thence I run N 74° 03' W. on a true line  
7a 13° 05' E.  
over high steep hills
- 37.20 Cross Black Rock Wash 150 lbs wide course S. 30° E.
- 40.38 Set a Granite stone 15x10x8 ins. 10 ins.  
in the ground, marked S. B. S. C. 8 M.  
and raised a monument of stone  
alongside, Pits impracticable from which  
a Cottonwood 30 ins. dia to S. 10° W. 206 lbs dist  
marked S. B. S. C. 8 M. B. T.  
Land broken & mount almost  
Soil 3<sup>d</sup> rate  
Some Cottonwood & good grass.

July 9<sup>th</sup> 1883



## South Boundary

Chains

N.  $74^{\circ} 03' W.$  on a true line  
 To  $13^{\circ} 05' E.$

Ascending

23.15 Summit of Ridge to South

31.08 Gulch 30 lbs wide drains S. E.

20.00 Near Summit of Divide bet. Black Rock  
 Wash and Godwin Creek a Rock in

Place  $3 + 2 + 1$  ft above ground, marked  
 S. B. S. C. 9 M. with a cross (x) at exact  
 cor. point, and raised a monument  
 of stone alongside, Pts impracticable  
 from which

a Juniper 24 in. dia. to N.  $67^{\circ} W.$  96 lbs dist  
 marked S. B. S. C. 9 M. B. T.

Land unmountainous

Soil 3<sup>d</sup> rate

Some Juniper good grass.

## San Carlos Reservation

chain

N.  $74^{\circ} 03' W.$  on a true line  
 Va  $13^{\circ} 05' E!$

- 10.90 Descending over high hills  
 31.65 a Wash 35 lks wide drains N. W.  
 71.50 Summit of Ridge  $N 20^{\circ} E!$   
 80.00 Set a Granite  $12+12+8$  lvs. 8 lvs. in  
 the ground, marked S. B. S. C. 10 M.  
 and raised a monument of stone,  
 alongside, Pitts impracticable, from which  
 a Mesquite tree bears dia. 65.  $45^{\circ} E!$  18 lks dist.  
 marked S. B. S. C. 10 M. B. T.  
 Land mountainous  
 Soil 3<sup>d</sup> rate  
 Some Mesquite and good grass.

N.  $74^{\circ} 03' W.$  on a true line

Va  $13^{\circ} 05' E!$

In Wash drains N.  $70^{\circ} W.$

## South Boundary

Chain

35.82 Cross Goodwin Creek 90 lbs wide, drain N.  $30^{\circ} 00'$   
thence across rich Bottom

53.00 leave Bottom

58.77 End of course, a Rock in place in small  
Wash  $4 \times 4 \times 2$  ft. above ground, which  
I mark S. C. R. with a cross (X)  
at exact <sup>cor.</sup> point. and raised a  
monument of stones alongside,  
Pts impracticable,

Thence I run N.  $63^{\circ} 44' W.$  on a true line  
To  $12^{\circ} 45' E'$

12.30 a Wash 30 lbs wide drains S. E.

21.23 Set a Granite  $10 \times 10 \times 8$  ins. 7 ins. in  
the ground, marked S. B. S. C. 11 M.  
and raised a mound of stone alongside  
Pts impracticable, this is near rocky  
Gulch ~~on~~ East side.

Land rocky and mountainous  
Soil 3<sup>d</sup> rate

# San Carlos Reservation

chains

Good grazing, some scattering  
Juniper trees.

---

N.  $63^{\circ} 44' W.$  on a true line  
Ta  $12^{\circ} 45' E!$

- 34.00 Summit of Ridge to S.  $15^{\circ} W.$   
46.98 a Wash 3000 wide drains South  
56.08 Summit of ridge South  
62.27 a Rocky Wash 2000 wide drains South  
67.81 Summit of ridge to South  
80.00 Set a granite  $12 + 12 + 6$  ins. 8 in. in  
the ground, marked S.B.S.C. 12 M.  
and raised a monument of stone,  
alongside, pits impracticable.  
Land rocky and uncut across  
Soil 3<sup>d</sup> rate  
Some scattering Juniper + Mesquite  
Good grass.



# South Boundary

X  
chain

N.  $63^{\circ} 44'$  W. on a true line  
Ta  $12^{\circ} 45'$  E!

Ascending

- 15.00 <sup>a</sup>Gulch 300ks wide drains S. E.
- 40.12 Summit of Ridge to S. E. thence over high Rocks ascending.
- 80.00 Set a granite  $12 \times 10 \times 6$  ins. 8 ins. in the ground, marked S.B.S.C. 13 M. and raised a monument of stone alongside, thence on Westerly slope of high Ridge, Pitts impracticable Land rocky and mountainous Soil 3<sup>d</sup> rate  
Some juniper trees  
Good grazing.

---

N.  $63^{\circ} 44'$  W. on a true line  
Ta  $12^{\circ} 45'$  E!

## San Carlos Reservation

Laird

descending into deep Cañon

~~cross the gap~~15.57 Cañon 3000 wide drains S.  $15^{\circ}$  E.

25.07 ascending.  
End of this course, set a Granite  
stone  $24 \times 12 \times 8$  ins. 18 ins. in the ground  
marked S. C. R. and raised a  
monument of stones along with  
Pts impracticable,

July 10. <sup>th</sup> 1883.Thence I run S.  $88^{\circ} 49'$  W. over the lineTo  $12^{\circ} 45'$  E.

at this place I begin to ascend over  
the <sup>Turnbull</sup> Turnbull Range of Mountains,  
the line runs over high rocks  
and cliffs, which are almost  
impossible,

13.50 Summit of Ridge to N.  $20^{\circ}$  E.

29.00 Deep Rocky cañon drains North through E

43.00 Rocky Bluffs on West side of Cañon

54.93 Set a Granite stone  $19 \times 11 \times 10$  ins. 13 ins.

# South Boundary

chain

in the ground, marked S.B.S.C. 14M.  
and raised a monument of stone  
alongside, Pite impracticable.

Land extremely rocky and mountainous  
Soil worthless

Some juniper & Pinon Pine.

S. 88° 49' W. on a true line  
Va 12° 45' E'

<sup>ascending</sup>  
over high rocky Bluffs

80.00 a Granite Rock in Place 2 + 4 + 6 ft  
above ground, I mark S.B.S.C. 15M.  
with a cross (X) at exact corner points  
and raised a monument of a tree  
alongside, Pite impracticable  
Land rocky and mountainous

Soil worthless

Some juniper & Pinon Pine.

July 11, 1883.



## San Carlos Reservation

Chain

S 88° 49' W. on a true line

Ta 12° 45' E.

8.08 High rocky Point. Ta 14° 10' E.

39.16 High rocky Point near Summit

10.77 End of this course Set a Granite 20x15x10

in. 15 in. in the ground, marked

S. C. R. and raised a monument  
of stone alongside, Pts impracticable

Thence Iron N. 74° 38' W. on a true line

Ta 12° 54' E.

across deep wide Cañon

19.23 on East side of Wash Set a Granite

stone 30x20x15 in. 22 in. in the

ground, marked S. B. S. C. 16 M. and

raised a monument of stone alongside }

Pts impracticable.

Land rocky and mountainous

Soil worthless

Heavy Juniper Pine and Manzanita & oak



## South Boundary

Chain

N.  $74^{\circ} 38' W.$  on a true lineVa  $12^{\circ} 54' E.$ 

ascending over steep rocky mountain

- 7.00 A Wash 20 lbs wide across N.  $20^{\circ} E.$
- 31.73 Summit of high Ridge to South
- 60.20 Cross High Mountain ridge, north of high Round Point to N.  $20^{\circ} E.$  and descent
- 70.88 Cross High Ridge to N. W.
- 100.00 In deep wooded gulch set a Granite  $14 \times 11 \times 9$  ins. 10 ins. in the ground, marked S.B.S.C. 17 M. and raised a monument of stone alongside, Pit impracticable from which a jumper 20 ins. dia. to S.  $36^{\circ} E.$  18 lbs dist. marked S.B.S.C. 17 M. B.T.
- A Union Pine 20 ins. dia. to N.  $28^{\circ} W.$  75 lbs dist. marked S.B.S.C. 17 M. B.T.
- Land extremely rough and unmountainous  
Soil 3<sup>d</sup> rate  
Heavy Cedar, Pine and oak timber

## San Carlos Reservation

Chains

Good Grass.

N.  $74^{\circ} 38'$  W. on a true lineVa  $12^{\circ} 54'$  E!

41.57 Cross Hell Gate Cañon drain N. E!

July 12<sup>th</sup> 1883.47.23 a Ridge to E. Va  $13^{\circ}$  E!

8000 a Rock in place  $2\frac{1}{2} \times 2 \times 1$  ft. above ground, marked S. B. S. C. 18 M. with a cross (X) at exact cor. point, and raised a monument of stone along side. Pts impracticable, this is on Summit of Ridge. to S  $10^{\circ}$  W.  
 Land mountainous

Soil 3<sup>d</sup> rate

Good grass &amp; fine timber.

N.  $74^{\circ} 38'$  W. on a true line

# South Boundary

Chains

To 13° 00' E'

Ascending

42.00 a Wash 20ft wide drain S 10° W.

57.45 Summit of high Ridge to S 20° W.

80.00 On West Bank of deep gulch set a granite stone 19 x 12 x 8 in. 13 in. in the ground marked S. B. S. C. 19 M. and raised a monument of stone alongside,

Pth impracticable

Land unmountainous

Soil 3<sup>d</sup> rate

Heavy timber

Fine grass.

To 74° 38' W. on a true line

To 13° 00'

Ascending

19.11 Summit of Highest Range, and

## San Carlos Reservation

chain

Main Divide to N. 30° E. raise  
Monument on line 6 ft high and  
5 ft. base, thence descend over steep  
ridges and deep cañons.

76.68 Summit of Ridge to West

80.00 Set a Granite Rock 14+10+5 in. 16 in.  
in the ground, marked S. B. S. C. 20 M.  
and raised a monument of stone  
along side, Rts impracticable  
Land mountainous

Soil 3<sup>d</sup> rate

Heavy Burch

Some grass.

July 13. 1883

N. 74° 38' W on a true line

To 13° 00' E.

Descending.  
Head of Arivaipa

15.65 ~~a~~ deep Cañon 200 ft. deep drains South



South Boundary

chains	
27.56	Summit high Ridge to South
32.00	a Wash 20 lks wide <sup>drains</sup> S. 80° W.
37.86	a Ridge to S. 80° W.
52.00	a Wash 35 lks wide drains S. 80° W
68.52	a Ridge to S. 80° W
80.00	Set a Granite stone 15 x 10 x 8 ins. 10 ins. in the ground, marked S.B.S. C. 21 M. and raised a monument of stone alongside, Pts impracticable Land mountainous and rough Soil 3 <sup>d</sup> rate Heavy Burch Some Grass.

N. 74° 38' W. on a true line,  
Va. 12° 58' 8"

According to East slope of Mineral Mtn

55.97 End of this corner, Set a Shalestone

## San Carlos Reservation

claims

30 x 30 x 10 lvs. 22 ins. in the ground  
marked S.C.R. and raised a  
monument of stone alongside, Pts  
impracticable,

Thence true N.  $87^{\circ}28'N$ . on a true line  
ascending very precipitous slope, line  
runs over <sup>Summit</sup> South end. Va  $13^{\circ}00' E$

24.03 Sit a Limestone 14 x 10 x 6 lvs. 10 ins. in  
the ground, marked S.B.S.C. 22 M.  
and raised a monument of stone  
alongside, Pts impracticable,  
Land rocky and mountainous  
Soil worthless

No timber in grass.

July 14<sup>th</sup> 1883

N.  $87^{\circ}28'N$  on a true line  
Va  $13^{\circ}00' E$

44.58 On steep ridge br S.  $20^{\circ} E$  raise

## South Boundary

Chain

- 56.00 Line monument 6ft high  
Summit of Ridge to South.
- 80.00 Set a Volcanic stone on S. slope  
of Mineral Hill near top 20 x 13 x 11  
in. 15 in. in the ground, marked  
S. B. S. C. 23 M. and raised a mon-  
ument of stone alongside, Pt  
impracticable,  
Land rocky and mountainous  
Soil worthless.  
No timber, no grass.

N.  $87^{\circ}28'N$ . on a true line

To  $13^{\circ}00' E$

- 29.37 End of this course, and set a volcanic  
rock 15 x 13 x 9 in. 10 in. in the ground  
Marked S. C. R. and raised a  
monument of stone alongside

## San Carlos Reservation

Chains

Pits impracticable

Thence Iron S<sup>18°02'</sup>W. on a true line  
Va 13<sup>00</sup> E.

Across deep cañon.

23.50 Cañon 500 ft. deep drains S. W.

43.00 Rocky Point

50.63 a Rock in place 3 x 2 x 2 ft. <sup>above ground</sup> which I  
mark S. B. S. C. 24 M. with a cross (X)at exact corner point, and raised  
a monument of stone alongside

Pits impracticable

Land mountainous

Soil 3<sup>d</sup> rate

Good Grass

S. 18° 02' W. on a true line

Va 13.00 E.

8.55 End of this course, Set a volcanic



## South Boundary

chains

rock 12 + 8 + 8 in. 8 in. in the ground  
marked S. C. R. and raised a mon-  
ument of stone alongside, Pts imp-  
racticable

Thence 9 in  $S'34^{\circ}14'N$ . on a true line  
Ta  $13^{\circ}30'E$

along North slope of Hill

71.45 Set a Burnt sandstone 18 + 10 + 5 in.  
12 in. in the ground marked S. B.  
S. C. 25 M. and raised a mon-  
ument of stone alongside, Pts  
impracticable.

Land unmountainous

Soil 3<sup>d</sup> rate

Some good grass.

---

$S'34^{\circ}14'N$ . on a true line

Ta  $13^{\circ}30'E$

## San Carlos Reservation

chain

21.00 Cross trail to Amraypa Cañon

26.25 A Wash 30th wide to S. W.

42.55 End of this course Set a Volcanic rock  
 20+12+10 ins. 15 ins. in the ground,  
 marked S. C. R. and raised a  
 monument of stone alongside  
 Pts impracticable

Thence I run N.  $89^{\circ}57'W$  on a true line  
 Ta  $13^{\circ}30'E$

along Wash drains S. W.

35.00 leave Wash drains S. W.

37.45 Set a Volcanic rock 17+13+10 ins.  
 12 ins. in the ground, marked S. B. S. C. 26 M  
 and raised a monument of  
 stone alongside, Pts impracticable  
 This is on West side of Wash.

Land mountainous

Soil 3<sup>d</sup> rate

Some good grass.

# South Boundary

chains

N.  $89^{\circ} 57'$  W. on a true line,  
Ta  $13^{\circ}$  E.

22.87 Summit of Ridge to South

45.33 " " " " "

55.33 End of this course Set a Sandstone  
 $15 \times 10 \times 8$  ins. 10 ins. in the ground,  
marked S. C. R. and raised a  
monument of stone alongside, Pt  
impracticable

Thence N.  $60^{\circ}$  W. on a true line  
Ta  $13^{\circ}$  E!

8.06 a Wash drains S.  $70^{\circ}$  W. 30 lbs wide

21.08 " " " South 25 " "

24.67 Set a limestone  $12 \times 10 \times 7$  ins. 8 ins.  
in the ground marked S. B. S. C. 27 M.  
and raised a monument of  
stone alongside, Pt impracticable  
Land unmountainous  
Soil 3<sup>d</sup> rate

## San Carlos Reservation

chains

Good grazing.

July 15<sup>th</sup> 1883

N. 60° W. on a true line

Va 13° 00' E'

46.00 Summit of high ridge to N. E.

66.00 A Spring 2 chs north of line

68.00 a Wash 2 chs with drain N. E'

80.00 Set a Volcanic rock 30 x 12 x 10 ins.

22 ins. in the ground, marked

S. B. S. C. 28 N. and raised a mon-

ument of stone alongside, Pt

impracticable

Land unmountainous &amp; rocky

Soil 3<sup>d</sup> rate & rocky

Some good grass.

N. 60° W. on a true line



# South Boundary

chains

Ya 13° 00' E'

5.80

Set Witness Mon. near edge of Bluffs  
 1.53 chs S. 60° E'. from end of this  
 course, a <sup>large</sup> Rock in place, which I  
 mark S. C. R. with a cross (x) at  
 exact cor. point, and raised a  
 monument of stone alongside  
 Pts impracticable.

3.00  
6.35

thence I run S. 60° W. on a true line  
 Ya 13.00 E'.  
 Cross Rock Gulch drains North  
 Bluff Bank and  
 offset 1.53 chs N. 30° W. to line, then from  
 point  
 on line the Deer Creek Coal fields  
 bear N. 28° 30' W about 1 1/2 miles  
 dist. then ascending

41.00

Summit of Divide by N.S.

72.67

Set a Sandstone 20 x 10 x 6 ins. 15 cm.  
 in the ground, marked S. B. S. C 29 M.  
 and raised a mound of stone  
 alongside, Pts impracticable

## San Carlos Reservation

Chains

Land mountainous  
Soil rocky and 3<sup>d</sup> cat  
Some good grass.

S<sup>60</sup>° W. on a true line.

Va 13° 00' E!

73.29  
6 71

End of this course Set a Volcanic  
rock 18 x 12 x 10 ins. 12 ins in the  
ground marked S. C. R. and  
W.C. 30 M.  
and raised a monument of stone  
alongside Pit impracticable.

Thence 9 mi N. 83° 51' W. on a true line

Va 13° 00' E!

over steep high Hills x Mountains

6.71

30 Miles. do not set this corner  
the corner just established being  
marked as witness and can be easily  
seen from here,

# South Boundary

chains

45.00 Summit of steep Hill to N. E. S. W.

66.38 End of this course, Set volcanic rock 18 x 16 x 10 ins. 12 ins. in the ground, marked S. C. R.

and raised a monument of stone, along with, Pts impracticable,

Having now passed the coal fields and being instructed to run my lines parallel to the general course of the corresponding portions of the Gila River, such lines to be made as long as practicable, consistent with reasonable parallelism I avail myself of this privilege, especially since I have produced all the actual lines so far, until passed the coal fields,

I now run S 49° 15' W. which I find will very nearly divide into equal parts the small <sup>corresponding</sup> portion <sup>of the Gila River</sup> which



## San Carlo Reservation

Diary

- may be too much or too little <sup>on either side</sup>  
 the camp being the green cone for the next 13 small meanders
- 9.00 A gulch 200 yds wide course West.
- 9.60 Summit of Ridge to E.W.
- 13.62 Set a Quartzite 16+12+8 lbs. 11 ins. in  
 the ground, marked S. B. S. C. 31 M.  
 and raised a mound of stone larger.  
 Pit impracticable, from which  
 An Oak 15 in. dia. to S 20° W. 23 lbs dist  
 marked S. B. S. C. 31 M. B. T.  
 An Oak 18 in. dia. to West 165 lbs dist  
 marked S. B. S. C. 31 M. B. T.  
 Land very rough & mountainous  
 Soil 3<sup>d</sup> rate  
 Some scattering oak & juniper  
 Some grass.

July 16.<sup>th</sup> 1883

S 49° 10' W. on a true line  
 Va 12.54' E'



## South Boundary Survey

chains

Ascend over steep Mountain

6000 A deep rocky Wash 30 lbs and <sup>6</sup> N 20° W  
ascend over high rocky Hills8000 Set volcanic rock 16+11+7 ins. 11 ins.  
in the ground, marked S. B. S. C. 32 M.  
and raised a mound of stone along side.  
Pts impracticableLand very rocky and mountainous  
Soil 3<sup>d</sup> rateMesquite, Oak and juniper  
Some Grass.

S 49° 10' W. on a true line

N 12° 54' E!

along westerly slope of divide bet.  
Oak and Deer Creek.8000 Set a volcanic rock 12+10+7 ins. 8 ins.  
in the ground, marked S. B. S. C. 33 M.

## Carlos Reservation

chains

and raised a mound of stone alongside  
Pts impracticable.

Band rocky and mountainous

Soil 3% rate

Some Oak and Juniper

Some good grass.

S 49° 10' W. on a true line

Na. 12° 54' E!

Ascending

21.14 Summit of ridge to E + W.

66.45 End of this course, a Hinestane in place

3 x 3 x 2 ft. above ground, which I mark

S. C. R. and raised a monument of  
stone alongside, Pts impracticable.

Thence I run a mean course for the  
next 17 small meanders, which will  
divide very nearly into equal parts, the small

## South Boundary Survey

chains

fractions, on both sides of the line,  
corresponding to the Gila River  
S.  $67^{\circ} 05'$  N. on a true line

$\gamma$  a  $12^{\circ} 48'$  E.

Across rocky Ridge to N. W.

- 13.55 Set a Volcanic rock  $26 \times 14 \times 7$  ins. 18 lbs.  
in the ground, marked S. B. S. C. 34 M.  
and raised a monument of stone  
alongside, Pits impracticable  
Land mountainous  
Soil 3<sup>d</sup> rate  
Some grass.
- 

S.  $67^{\circ} 05'$  N. on a true line

$\gamma$  a  $12^{\circ} 48'$  E.

across deep rocky Cañon

- 41.20 Deep Cañon 400 ft. deep to N.  
ascend over rocky Bluffs

## Carloo Reservation

chains

80.00

Set a Volcanic rock  $16+14+7$  lms. 11 lms.  
in the ground, marked S. B. S. C 35 M.  
and raised a monument of stone  
alongside, Pits impracticable a  
Spring about 10 chs to north of line.  
Land very broken, and mountainous.  
Soil 3<sup>d</sup> rate

Some good grass.

July 17<sup>th</sup> 1883

S.  $67^{\circ} 05' N.$  on a true line

To  $12^{\circ} 48' E!$

78.00

Same Cañon again, <sup>350 ft. deep</sup> drain S. W.

80.00

Rock in place  $6+4+2$  ft. above ground  
marked S. B. S. C. 36 M. with a cross (X)  
at exact corner point, and raised  
a monument of stone alongside,  
Pits impracticable,  
Land broken, and mountainous



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## South Boundary San

chains

Soil 34 rate

Some Mesquite and Juniper

Some Grass.

S. 67° 05' W. on a true line

No 12° 48' E.

40.95 End of this corner, on divide bet.  
Ash Creek and Arivaype creek  
Set volcanic rock 12 + 10 + 8 ins. 8  
ins. in the ground, marked S. C. R.  
and raised a monument of stone  
alongside Pto impracticable  
Thence I run a mean course for  
the next 30 small meanders, which  
will give the Reservation a little  
more, than the mean, but  
which is effect on the last corner  
me,

## Carlos Reservation

Chain

S.  $73^{\circ} 14' N.$  on a true lineTa  $12^{\circ} 48' E.$ 

ascending.

39.05

Set a volcanic rock  $12 \times 10 \times 5$  ins.

8 ins. in the ground, marked S. B. S. C 37 M.

and raised a monument of stone

alongside, Pto impracticable

Land Hilly

Soil 3<sup>d</sup> rate

Mesquite, Juniper, and Catclaw

Some Grass

S.  $73^{\circ} 14' N.$  on a true lineTa  $12^{\circ} 48' E.$ 

80.00

Set a volcanic rock  $16 \times 10 \times 6$  ins.

11 ins. in the ground, marked S. B. S. C

38 N. and raised a monument

of stone alongside, Pto impracticable

Land level, and rocky

# South Boundary San

chains

Soil 3<sup>d</sup> rate  
 Mesquite and Catclaw  
 No grass.

---

80.00 S<sup>73°14'</sup> W. on a true line  
 ascending slightly and gradually, slope  
 N a 12° 48' E.  
 Set Volcanic rock 12 x 8 x 7 in. 8 ins.  
 in the ground, marked S.B.S.C. 39M.  
 and raised a monument of  
 stone, alongside, Pts impracticable  
 Land level and rocky  
 Soil 3<sup>d</sup> rate  
 Dense Mesquite brush and Catclaw  
 Some grass.

---

S<sup>73°14'</sup> W. on a true line  
 N a 12° 48' E.

## Carlos Reservoir

Elevation

ascending steep mountain.

31.00 Summit of high ridge to West.

38.50 a <sup>deep</sup> Wash 300k wide drains North

72.50 Summit of Ridge to West

80.00 Set volcanic rock  $12 \times 12 \times 8$  in. 8 in.  
in the ground, marked S. B. S. C. 40 M.and raised a monument of stone  
alongside, Pits unpracticable

Land mountainous and rocky

Soil 3<sup>rd</sup> rate

Good grass.

S.  $73^{\circ} 14' N$ . on a true lineN  $12^{\circ} 48' E$ 

Descent into deep Cañon

9.65 Cañon 400ft. deep drain N. N.

45.49 End of this course Set a volcanic rock  
 $20 \times 12 \times 8$  in. 15 in. in the ground



# South Boundary San

chains

marked S. C. R. and raised a monument of stone alongside, Pts unpracticable, from which a group of 24 ins. dia. br S.  $52^{\circ} W.$  5.97 chs dist marked S. C. R. B. T. this is near highest Summit of the Galileo Range of Mountains

July 18<sup>th</sup> 1883

Hence I run a mean course for the next 28 small meanders, which will take from the Reservation a little more than the mean, but which is offset by the last course run  $S. 51^{\circ} 42' W.$  on a winding line

$N. 12^{\circ} 48' E.$

387.57 chs I set a temporary corner <sub>at 41, 42, 43, 44 & 45 miles</sub> I now return to the Initial Monument established 10 miles from the mouth of the San Pedro River, up the Gola River and 2.36 chs from the River

Carlo Reservoir

chain

from South Bank of Gila River  
 These 2 run, South on a true  
 line,

72. 80 from Embel Monument.  $\gamma_a$   $13^{\circ} 07' E!$   
 ascend steep Mountain  $\gamma_b$  facing
75. 16 from South Bank of Gila River I mark  
 a Rock in place  $2+2+2\frac{1}{2}$  above ground for Witness Cor.  
 to 1<sup>st</sup> Mile Monument it being a very  
 conspicuous place, Marked S. B. S. C I M. W. C.  
 and raised a monument of stone 7ft high  
 alongside, Pits unpracticable
- 80.00 The Cor. for 1<sup>st</sup> mile, do not set same,  
 Land mountainous  
 Soil 3<sup>rd</sup> rate  
 Good grass. Some Juniper

South on a true line

$\gamma_a$   $13^{\circ} 07' E!$

26. 13 Summit of high ridge  $60$   $S^{\circ} 20^{\circ} E!$

South Boundary Saw

chain

80.00 on high Ridge Set a Sandstone 18+12+8 in  
 12 in in the ground, marked S.B.S.C. 2 M.  
 and raised a monument of stone  
 alongside, Pits impracticable  
 land very mountainous  
 Soil 3<sup>d</sup> rate  
 Good grass, Some Juniper

---

South on a true line

N<sup>o</sup> 13° 07' E'

Descending over steep mountain

56.00 Deer Creek 40 lbs wide corner S.W.

Ascending over high Mountain

80.00 Set Volcanic rock 14+12+7 in. 10

in in the ground, marked S.B.S.C. 3 M.  
 and raised a monument of stone  
 alongside, Pits impracticable  
 land very mountainous  
 Soil 3<sup>d</sup> rate

## Carlos Reservoir

chain

Good grass, some Juniper

---

South on a true line

$\gamma = 13^{\circ} 07' 8''$

Ascending steep mountain

54.50

Summit of ridge for Ex N.  
 build monument for witness. on line  
 Descend steep mountain

80.00

Set a granite  $14 \times 10 \times 6$  ins. 10 in.  
 in the ground marked S. B. S. C. 4 M.  
 and raised a monument of stone  
 alongside, Pts unpracticable  
 Land very mountainous

Soil's rate

Good grass, some Juniper

---

South on a true line

$\gamma = 13^{\circ} 00' 8''$



## South Boundary Run

clim

- 12.37 Summit of ridge to E and descends  
over precipices
- 65.30 Ash Creek 800ft deep drains N. 75° W.  
ascend over steep Mts
- 80.00 Set a Limestone 12+9+6 ins. 8 ins. in the  
ground marked S. B. S. C. 5 M. and raised  
a monument of stone alongside,  
Pt. Unpracticable  
at 500 yds. dist. S. 70° E. 22 ft. dist. marked S. B. S. C. 5 M. B. T.  
Land extremely broken + mountainous  
Soil 3<sup>d</sup> rate  
Some grass.
- 

South on a true line

Va 13° 00' E.

ascending over high hills

- 80.00 Set a Sandstone 12+10+7 ins. 8 ins. in  
the ground, marked S. B. S. C. 6 M. and  
raised a monument of stone alongside

## Carlos Reservation

Station

Pit impracticable, this is on East side of road  
 Land mountainous  
 Soil 3<sup>d</sup> rate  
 Good Grass, Dense Mesquite brush.

---

South on a true line

To 13° 00' E

Descending over hills

8000 Set a Sandstone 16+12+5 in. 11 in.  
 in the ground, marked S.B.S.C 7M  
 and raised a monument of stone  
 alongside, Pit impracticable  
 Land mountainous, thus rolling

Soil 3<sup>d</sup> rate

Dense Greasewood, Catalpa, <sup>W</sup> Mesquite  
 Bush, Good Grass.

July 20<sup>th</sup> 1883

# South Boundary San

Chain

South on a true line

$N\alpha 13^{\circ} 00' E'$

57.00 A deep rocky Cañon 200ft deep drains S. side these over foot hills.

80.00 Set a Limestone  $20+12+8$  lms. 15 lms. in the ground, marked S.B.S.C. 8 M. and raised a monument of stone along side. Pts impassible, Land unmountainous

Soil 3<sup>rd</sup> rate

Mesquite Catecharr + Palo verde  
Some Grass.

South on a true line

$N\alpha 13^{\circ} 00' E'$

over rolling foot hills

80.00 Set a Granite  $14+7+6$  lms. 9 lms in the ground marked S.B.S.C. 9 M.

## Carlos Reservation

chains

and raised a monument  
of stone alongside, Pto impracticable  
Land Hilly

Soil 3<sup>d</sup> rate

<sup>Some</sup> Mesquite Cactus & Palo Verde  
Some Grass.

---

South on a true line

N  $13^{\circ} 00'$  E

41.00

<sup>ascending</sup>  
Enter deep cañon drain S. M.

90.00

W Summit of high Bluff Set

Volcanic rock 15711 + 8 lvs. 10 in. in

the ground, marked S. B. S. C. 10 M.

and raised a monument of  
stone alongside, Pto impracticable  
Land mountainous

Soil 3<sup>d</sup> rate

Mesquite Cactus & Palo Verde  
Some Grass

---



## South Boundary San

Lains

South on a true line

Ya 13°00' E!

4.00

leave Cañon drains S. 60° W.  
thence over rough Foot hills

80.00

Set a Sandstone 16 + 8 + 8 lvs. 11 lvs.  
in the ground, marked S. B. S. C. 11 M.  
and raised a monument of stone  
alongside Pt. unperceptible from  
which a Paloverde gum. dia. brs S 40° W. 35 lvs. dist  
marked S. B. S. C. 11 M. B. T.

Land mountainous

Soil 3<sup>d</sup> rateMesquite Greasewood, Paloverde  
Some grass.

South on a true line

Ya 13°00' E!

55.00

Enter deep Wash on S. 65° W.

## Carlo Reservation

Chain

65.95

leave it drains S. 65° W.

80.00

Set a Volcanic rock 20 x 18 x 10 ins.  
 15 ins. in the ground, marked S.B.S.C. 12 M.  
 and raised a monument of stone alongside  
 Pts impracticable from which  
 a Palo Verde 8 ins. dia. br S 20° W. 35-lb. dist  
 marked S. B. S. C. 12 M. B.T.

a Palo Verde 7 ins. dia. br N. 50° E. 65-lb. dist  
 marked S. B. S. C. 12 M. B.T.

Land mountains

Elev 3<sup>d</sup> rate

Mesquite Greasewood Palo Verde  
 Some grass.

---

 South on a true line

N 13° 00 E'

61.12

Enter Cañon drains S. 62° W

73.20

leave it.

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## South Boundary San

chain

8000

Set a Red Sandstone 30419 + 12 in.

22 in. in the ground, marked S.B.S.C. 13M.

and raised a monument of stone,

alongside, Pits unpractically, from which

a Paloverde 12 in. dia. on S45° W. 35th dist

marked S.B.S.C. 13M. B.T.

Land mountainous

Soil 3<sup>d</sup> rate

Mesquite, Paloverde + Catclaw

Some good grass.

South on a true line

Va 13000 E.

57.09

Enter deep Cañon drain S. 55° W

57.00

leave cañon

78.00

Enter deep Cañon S. 50° W

80.00

Cannot set this corner, it fell into

Wash Set Witness cor.

Land mountainous, Soil 0<sup>d</sup> rate

Mesquite, Catclaw + Paloverde, Some grass.

## Carlos Reservation

chains

South on a true line

 $\gamma = 13^{\circ}00' E.$ 

9.58 leave Wash

10.00 Set a Sandstone  $12 \times 6 \times 6$  ins. 8 ins. in the ground, marked S. B. S. C. 14 M. W. C. and raised a monument of stone alongside, Pts impracticable,

41.00 Enter Cañon drains S.  $50^{\circ} W.$ 

52.50 leave Cañon

66.20 Intersect temporary cor. on E & W. line 1.64 chs West of temporary corner

80.00 Set a Granite stone  $33 \times 27 \times 18$  ins. 25 ins. in the ground, marked S. B. S. C. 15 M. and raised a monument of stone 6 ft. high 5 ft. base alongside, Pts impracticable from which a Paloverde 8 ins. dia. to S  $10^{\circ} W.$  150 lbs dist marked S. B. S. C. 15 M. B. T.



## South Boundary San

chains

a Paloverde 8 ins. dia. br. N. 80° W. 162 chs. dist.  
marked S. B. S. e. 15 M. B. T.

Land unmountainous

Soil 3<sup>d</sup>. rate

Mesquite, Catclaw + Paloverde

Some Grass.

July 21<sup>st</sup> 1883

Just return to Monument

Marked S. C. R. 45.49 chs. S. 73° 14' W  
from 40 Mile corner and run  
S 49° 38' W. on a true line

Va 12° 54' E.

5.30 Summit of the Geliuro Ranch

of Mountain br. N 80° W. S 10° E.

34.57 <sup>they descend steeply</sup>  
a limestone 2+1+1 ft. above ground  
which I mark S. B. S. C. 41 M.  
with a cross (x) at exact corner  
point, and raised a monument

## Carlos Reservation

data

of stones alongside, Pto impracticable.

Land very steep + mountainous

Soil 3<sup>d</sup> rate

Good grass + scattering juniper

---

S 49° 38' W. on a true line

W 12° 54' E

Descending steeply

2000 a Sandstone 3+3+2 ft. above ground

which I mark S. B. S. C. 42 M.

with a cross (X) at exact corner point, and raised a mon-

ument of stones alongside,

Pto impracticable

Land very steep + mountainous

Soil 3<sup>d</sup> rate

Some good grazing, scattering juniper

---

## South Boundary Saw

c chain

S: 49° 38' W. on a true line  
Va 12° 54' 8"

Over steep mountain ridges

13.00 High Rocky Bluff and descend

78.00 Enter large Wash drain West

80.00 Set a Sandstone 18 + 10 + 8 ins. 12 ins.

in the ground marked S. B. S. C. 43 M.  
and raised a monument of stone  
alongside, Pits impracticable  
from whichA Paloverde 10 ins. dia br N. 20° E. 26 lbs dist  
marked S. B. S. C. 43 M. B. T.

Lard summit above

Soil 3<sup>d</sup> rate

Mesquite Paloverde &amp; Cato clarr

Some grass.

S: 49° 38' W. on a true line

## Carlos Reservation

chain

Va 12° 54' E.

15.00

leave Wash

37.00

Enter Wash 4.50 chs with course N.

65.00

" " 3.94 " " "

80.00

Set a Sandstone 15+11+7 ins. 10 ins.  
in the ground, marked S. B. S. C. 44 M.

and raised a monument of stone

Longside, Pits impracticable

Land mountains

Soil 3<sup>d</sup> rate

Mesquite Paloverde &amp; Catclaw

Some grass.

S: 49° 38' N. on a true line

Va 13° 00' E.

13.00

Enter Wash 6.20 chs with course N.

80.00

Set a Sandstone 12+7+4 ins. 8 ins.  
in the ground, marked S. B. S. C. 45 M.



## South Boundary Saw

Chains

and raised a monument of  
stone alongside, Pits impracticable  
Land monuments

Soil 3<sup>d</sup> rate

Some Mangrove, Cato claw & Paloverde-bush  
Some grass.

---

S.  $49^{\circ}38'W.$  on a true line

Va  $13^{\circ}00'E.$

24.10 Enter Wash 3 chs wide, corner West

33.06 the S. E. cor. and Monument

Marked S. B. S. C. 15 M.

Land monuments

Soil 3<sup>d</sup> rate

Some Mangrove, Cato claw and Paloverde-bush

Some grass.

July 22<sup>d</sup> 1883.

BOON 1961  
328  
345  
88737

# Carlo Reservation

## General Description.

Throughout this survey I have found no parcel or piece of cultivated land along the boundary line run by me, not one acre is utilized for any purpose whatever by the Indians, near San Carlos <sup>near</sup> my meander lines I found a few small pieces, of poorly cultivated land, The land in the Gila Valley is of the richest kind, and there is fine grazing along its Bottoms, north of the Gila Range of Mountains this is an extensive plain 30 to 40 miles long x 10 miles

## South Boundary Stan

Chain

wide, which if it could be utilized by White men, would make as fine a stock range as could be found in the U. S. along the coalfields or any part East or West of the same, the Indians have never and no doubt will never make use of any of the lands of the Reservation.

There are many indications of Mineral along the South Boundary, ~~and~~ but with the exception of the work near the coalfields which I estimate to amount to \$20,000 nothing has been done in the way of development.

Herewith enclose the original of a protest handed me

## Carlos Reservoir.

by the original discoverers of the coalfields at the time of making the survey, requesting me to incorporate the same in my report, I can only state that it was not an easy matter for them to know whether or not they were trespassing on the Reservoir or not, owing to the mountainous character of the whole country. they could certainly not tell, without an accurate survey.

Paul Piecker

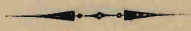
U. S. Dep. Surveyor

August 4<sup>th</sup> 1883.



# List of Names.

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A List of the Names of Individuals employed by

*Paul Riecker*

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 South Boundary of the San Carlos and White Mountain Indian Reservation*

Showing the respective capacities in which they acted.

*James Giffon* Chainman.

*C. B. Warren*

*Levi's Cox* Chainman.

*E. J. Meeker* Axeman

*Joseph Schwarz* Axeman.

*James Clark* Flagman.

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# Final Oath of Assistants.

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We hereby certify that we assisted Paul  
Riecker U. S. Deputy Surveyor, in surveying  
 all those parts or portions of the South  
Boundary of the San Carlos  
and 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 estab-  
 lished according to the instructions furnished by the United  
 States Surveyor-General for Arizona.

James Gibbon Chairman.

W. H. Brown Chairman.

Wm. H. Cox  
E. J. Mieroff Axeman.

James Clark <sup>his mark</sup> Flagman.

Joseph Johnson Monumentman

Sworn to and subscribed before me, this 25<sup>th</sup> day of

July, 1883.

Paul Riecker  
 Notary Public

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Final Oath of Deputy Surveyor.

BOOK 1961

I, Paul Riccker

U. S. Deputy Surveyor, do solemnly swear that in pursuance of instructions received from J. W. Robbins, United States

Surveyor-General for Arizona, bearing date the June 13<sup>th</sup>

day of June 1883, 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 South Boundary of the  
San Carlos and White  
Mountain Indian  
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 instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the



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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

BOOK 1961

Paul Riecker

U. S. Deputy Surveyor.

Sworn to and subscribed before me this 6<sup>th</sup> day of

August, 1883

John W. Gray  
notary Public





## U. S. Surveyor General's Office,

Tucson, Arizona, October 15, 1883.

The foregoing Field Notes of the Survey of the  
 South Boundary of the  
 San Carlos and White  
 Mountain Indian  
 Reservations,

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
 ted by Paul Reicker,

Deputy Surveyor, under his contract of the 19<sup>th</sup>,  
 day of May, 1883, having been

critically examined and the necessary corrections and explana-  
 tions made, the said Field Notes and the surveys they describe  
 are hereby approved.

J. W. Robbins  
 Surveyor General.

San Pedro to Camp Goodwin 1 to 17  
 Camp Goodwin North to Triangulation 19 to 30  
 Triangulation 31 to 64  
 South 15 miles from Camp Goodwin 64 to 80  
 Parallel with Gila River 80 to 120  
 South 15 miles from 10 Mile Point 120 to 132  
 Correction on last line 132 to 133