

Book A.

2103 BOOK 2103
FIELD NOTES

OF THE SURVEY OF THE

2103

2103

Resurvey of the Allotments belonging to the
Mogul and Navajo Indians in Twp. 31 and 32 North
R. 11 E., The retracement and Resurvey of the South boundary
of Twp. 32 N. R. 11 E., The retracement and resurvey of
Subdivision lines in Twp. 31 N. R. 11 E. and the retracement
and resurvey of Subdivision lines in Twp. 32 N. R. 11 E.

2103

Of the Gila and Salt River Basins and Meridian,
in the Territory of Arizona

AS SURVEYED BY

Sidney E. Blount, United States ~~Deputy Surveyor~~ ^{Examined Surveyor}

Under his Contract No. Instructions dated Oct 2nd and Dec. 17th, 1907.

Survey commenced Decem ber 26th, 1907.

Survey completed January 9th, 1908

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NAMES AND DUTIES OF ASSISTANTS.

<i>J. G. Kemp</i>	<i>Inspector</i>
<i>A. L. Warner</i>	<i>Masterman Chairman</i>
<i>A. D. Kline</i>	<i>Chairman</i>
<i>Norman Olin</i>	<i>Masterman & Chairman</i>
<i>H. L. May</i>	<i>Playman</i>

BOOK 2103

INDEX DIAGRAM.

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			Township 31 N., Range 11 E.		

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; 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 distances 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 instructions given us, in the survey of _____

_____, *Chainman.*
_____, *Chainman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*
_____, *Moundman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*
_____, *Axman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, *Flagman.*

Subscribed and sworn to before me this _____ }
day of _____, 190 }



Chains

BOOK 2108

- 3.10 Over stony land. on top of mesa
 South edge of Mesa bears N.W. and S.E., desc steeply
 over sandstone bluffs.
- 8.08 Foot of bluffs. bears N.W. and S.E. Enter level sandy
 bottom land bears N.W. and S.E.
- 9.90 Intersect N. ldy. of Allotment Surveys, 120 lks.
 S89°16' W. of Cor. No. 2. of Tract No. 53. -
 Set a blue line stone 17x8x6 ins., 12 ins. in the ground.
 for Closing Cor. of sec. 32 and 33.; marked. C.C.
 on N. P.C. on S. with 4 grooves on E and 2 grooves on W
 faces.
 Dig pits 24x18x12 ins crosswise on line E and W. 3 ft. and
 N. of stone 7 ft. dia and raise a mound of earth 4 ft.
 base 2 ft. high N. of cor.
 Thence on a plank line across allotment
- 40.08 Intersect S. ldy. of Tr. 100 lks. E of the Witness cor. to cor.
 of sec. 4, 5, 32. and 33 -
 Land level and hilly.
 Soil sandy and stony 2nd and 3rd rate.
 No timber

- The survey of 5 1/2 miles of line bet. sec. 33 and 34
 Ch. 4th 15^m p.m. l.m.c. Desc. off 36° 07 1/2' N. on the
 lat arc. 22° 06' S. on the decl. arc and determine a
 meridian with the solar at the 4th sec. cor.
 Thence Drum South bet. sec. 33 and 34.
 are N.W. slope of ridge over stony hilly land.
- 3.00 Top of ridge bears N.E. and S.W. desc.
- 6.00 Dry ravine course S.W. asc.
- 12.30 Top of ridge bears N.E. and S.W. desc.
- 20.00 Dry ravine course S.W. are gently
- 23.88 Intersect N. ldy. of Allotment Surveys, 79 lks.
 S89°47' W. of Cor. No. 2. of the Allotment belonging to
 Polehougera. Tract No. 51.
 Set a blue line stone 16x14x6 ins., 10 ins. in the
 ground for Closing Cor. of sec. 33 and 34, marked.
 C.C. on N. P.C. on S. with 3 grooves on E and W. faces
 Raise a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor.
 Pts impracticable
 Thence on Plank line across allotment.
- 40.00 Intersect the Cor. of sec. 3, 4, 33 and 34

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Land hilly.
Soil sandy and stony 3rd and 4th sec
No timber

January 9th 1908

Survey commenced Dec 25th 1907, and executed with a Young & Sons light mountain transit No. 10 with solar attachment; the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.

Examine the adjustments of the transit and correct the level and collimation errors then to test the solar apparatus by comparing its indications resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observations on Polaris & proceed as follows.

At the cor. of Twp 31 and 32 N., R. 10 and 11 E.
 Latitude $36^{\circ} 07' N.$ Longitude $111^{\circ} 15' W.$
 Set off $36^{\circ} 07' N.$ on the lat. arc $28^{\circ} 22' S.$ on the decl. arc and at $3^h 00^m$ p.m. l.m.t. determine a meridian with the solar and mark a point thereof by a tack driven in a stake set in the ground 5 chs N. of the cor.

At $6^h 30^m$ p.m. by my watch which is correct. local mean time observe Polaris in accordance with instructions in the Manual and mark the direction thus determined by a tack driven in a stake set 5 chs N. of the cor.

Time of observation Dec 25 th 1907	6 ^h 30 ^m
Equivalent to time of Dec 24	30 30

Time U.C. Polaris Dec 15 1907	7 ^h 52.9	↓
Reduction to Dec 24 Subtract	35.5	
Astron. time U.C. Polaris Dec 24 th	7 17.4	Subtract
Hour angle of Polaris at Observation	23 12.6	✓
Subtract from	23 56.1	
Time argument for Table VII	43.5	✓
Azimuth of Polaris	0° 17' E	

December 25th 1907

December 26th. At $7^h 45^m$ a.m. lay off the azimuth of Polaris $0^{\circ} 17'$ to the west and mark the meridian thus determined by a tack driven in the stake already set 5 chs. N. of the cor. on

BOOK 2103

which the meridian falls 0.6 in. East. of the point determined by the solar
 At 9^h 00^m a.m. level Dsch off 36° 07' N. on the lab. arc, 23° 22' S. on the decl. arc and determine
 a meridian with the solar and mark a point thereof
 by a tack driven in the stake already set 5 Chs. N. of
 the Cor.; this point falls 0.3 in. east of the point
 determined by the Paris observation.

The solar apparatus by p.m. and a.m. observations
 defined positions for meridians respectively about
 0' 31" west. and 0' 15" east. of the meridian determined
 by the Paris observation, therefore I conclude that
 the adjustments of the instruments are satisfactory.

In pursuance of my instructions dated Dec. 17th
 1907, I resurvey each of the tracts of land, previously
 allotted to the Mogon and Navajo Indians in
 Tps. 31 and 32 N. R. 11 E. in its original location as
 defined by the old allotment corners, and set new
 corners in the exact place of the old ones which
 I destroy.

In re numbering these allotments I begin with
 the tract which is nearest the N.E. Cor. in the
 smallest numbered section in each Tp., this I
 number 37 to avoid confusing with the section
 numbers in the Tp. thence numbering on, from
 east to west through each sec. and through each
 tier of secs. in the Tp. in the same order in which
 the sections in a Tp. are numbered.

I begin at the S.E. Cor. or Corner No. 1 of the
 allotment belonging to Frank Sheumpton, Tract
 No. 52., described in Patent No. 39. as the W¹/₂ of S.E.¹/₄
 of S.E.¹/₄, Sec. 34 T 32 N. R. 11 E., Latitude 36° 07' N.
 Longitude 111° 11.4' W.

The old Cor. is a sand stone with marks nearly all
 obliterated. I destroy all evidence of the Cor. and reestablish
 it in its original position as follows.

Set a blue line stone 14x8x6 ins. 10 ins. in the ground
 for Cor. No. 1. of Tract No. 52., marked $\frac{1}{2}$ on
 N.W. face.

At this Cor. I set off 36° 07' N. on the lab. arc
 23° 22' S. on the decl. arc and at 10^h 00^m a.m. level
 Dec. 26th 1907 determine a meridian with the solar.

Thence Drun.

N^o 43' W

Over level land -

- 5.00 Foot sand stone bluffs 50 ft high from N.W. and S.E. cor.
- 11.05 Top bluffs from N.W. and S.E. rise gradually
- 20.00 Intersect old allotment Cor. No. 2. which is a sand stone with marks nearly obliterated. I destroy all evidence of this cor. and re-establish it in its original position as follows.

Set a blue line stone 12x6x4 ins. 8 ins. in the ground for Cor. No. 2, of tract No. 52, marked $\frac{2}{52}$ on S.W. face.

Thence S 89° 47' W.

Over low sand ridges -

- 10.00 No. Cor. No. 3. identical with Cor. No. 2 - of the Allotment belonging to Polehogera. Tract No. 51.
- Set a blue line stone 18x12x6 ins, 12 ins, in the ground for Cor. No. 3 tract No. 52. and Cor. No. 2. tract No. 51. marked $\frac{3}{52}$ on S.E. and $\frac{2}{51}$ on S.W. face.

From this cor. the $\frac{1}{4}$ sec. cor. bet. sec. 33 and 34. T 32 N. R 11 E. bears N 1° 54' W. 2389 Ch. dist. - Thence

S 0° 43' E.

- 00.50 Descend sand stone bluffs 75 ft high from N.W. and S.E.
- 3.50 Foot cliffs - from N.W. and S.E. Enter level bottom land from N.W. and S.E.
- 15.50 Right bank of Morncofied Wash. corner N.W.
- 20.00 No. Cor. No. 4. of tract No. 52. identical with cor. No. 1. of tract No. 51.

A point in bed of Wash unsuitable for the establishment of a permanent cor.

Thence N 89° 47' E.

- .90 Right of Morncofied Wash.
- 1.15 Set a blue line stone 22x10x4 ins ¹⁸ ins. in the ground for witness cor. to Cor. No. 4. tract No. 52. identical with cor. No. 1. of tract No. 51, marked W.C. $\frac{4}{52}$ on N.E. and $\frac{1}{51}$ on N.W. face.

- 4.30 Wire fence from N.W. and S.E.
- 4.50 Road to Puba Arig from N.W. and S.E.
- 4.70 Wire fence from N.W. and S.E.
- 10.00 No. Cor. No. 1. the place of beginning Area of Tract. 76.00 ac. 79.99 ac.

BOOK 2103 Chains

Resurvey of Allotment belonging to Polchongeval
 Tract No. 51. described in Patent No. 40. as the
 $E \frac{1}{2}$ of the $SE \frac{1}{4}$ of $SE \frac{1}{4}$. Sec. 33 T. 32 N. R 11 E.

Beginning at the true point for Cor. No. 1. which falls in
 the bed of the Morncofie Wash. Thence
 No $43^{\circ} W.$ In bed of Wash.

4.50 Right bank of Morncofie Wash. Head East W.
 4.75 Road to Pula Ariz head N.W. and S.E.
 16.50 Foot of cliff head N.W. and S.E. and.
 19.50 Top of cliff head N.W. and S.E.
 20.00 Intersect Cor. No. 2 which is identical with Cor.
 No. 3 of tract No. 52. previously described.
 Thence $S 89^{\circ} 47' W.$

1.50 Descend sand stone bluff 50 ft. high. head N.W. and S.E.
 3.00 Find old witness EB lying on the ground at foot of cliff.
 Destroy this stone

10.00 Intersect the old allotment Cor. No. 3. identical with Cor. No.
 2 of allotment belonging to Laytokehe Tract No. 50. and Cor.
 No. 1 of the allotment belonging to Gaysheval Tract No. 44
 Destroy all evidence of the old Cor. and re establish it
 in its original position as follows.
 Set a blue line stone $17 \times 8 \times 4$ ins., 12 ins. in the ground.
 for Cor. No. 3 tract No 51, identical with Cor. No. 2, tract
 No. 50 and Cor. No. 1 of tract No 44, marked $\frac{3}{51}$ on
 $SE. \frac{2}{50}$ on SW. and $\frac{1}{44}$ on N.W. face.
 Thence $S 0^{\circ} 48' E.$ -
 over bottom land.

11.20 Wire fence head E and $S 80^{\circ} W.$
 11.30 Road to Pula Ariz head E and $S 80^{\circ} W.$
 12.00 Center Morncofie Wash. course S.W. over bluff.
 20.00 Intersect Cor No. 4, tract No 51. identical with Cor.
 No. 1. of tract No. 50. -
 Set a blue line stone $15 \times 5 \times 4$ ins., 10 ins. in the ground.
 for Cor. No. 4 tract No. 51., identical with Cor. No. 1. of
 tract No. 50, marked. 4-51. on N.E. and. 1-50 on N.W.
 face.
 Thence $N 89^{\circ} 47' E.$

10.00 No point for Cor. No. 1, the place of beginning.
 Area of Tract 4.99 acres

Resurvey of the Allotment belonging to Laytoheshe described in Patent No. 41, on the W 1/2 of S.E. 1/4 of the S.E. 1/4, Sec 33 Twp. 32 N. R 11 E. -

Tract No. 50.

Beginning at Cor. No. 1, identical with Cor. No. 4 of Tract No. 51 previously described.

Thence N 70° 43' W.

8.00 Monocopy Wash Course S.W.

8.70 Road to Nuba Ariz. bears N.W. and S.E.

8.80 Wire fence bears N.W. and S.E.

20.00 No Cor. No. 2. identical with Cor. No. 3 of Tract No. 51. and Cor. No. 1 of Tract No. 44. previously described.

From this cor. the 1/4 sec. cor. bet. sec. 33 and 34, Twp. 32 N. R 11 E. bears $N 21^{\circ} E. 75.70$ ch. dist.

Thence S 89° 47' W.

Over level bottom land.

9.95 No old allotment cor. No. 3. identical with cor. No. 2 of the allotment belonging to Acowershee, Tract No. 49 which is a sand stone with marks. nearly obliterated. Destroy all evidence of the old corner and re establish it in its original position as follows: Set a blue lime stone 16 x 6 x 5 ins. 12 ins. in the ground for Cor. No. 3. of Tract No. 50. and Cor. No. 2 of Tract No. 49. marked $\frac{3}{50}$ on S.E. and $\frac{2}{49}$ on S.W. face.

Thence S 0° 43' E.

Over sandy bottom land.

12.00 Right bank of Monocopy Wash Course S.

18.00 Left bank of Monocopy Wash Course S.W.

20.00 No old allotment cor. No. 4. identical with cor. No. 1 of allotment belonging to Acowershee Tract No. 49. which is a red sand stone. set loosely in a mound of stone, marks. nearly obliterated. Destroy all evidence of the old corner and re establish it in its original position as follows. Set a blue lime stone 15 x 7 x 6 ins. 10 ins. in the ground for Cor. No. 4 of Tract No. 50 and cor. No. 1. of Tract No. 49., marked $\frac{4}{50}$ on N.E. and $\frac{1}{49}$ on N.W. face.

Thence N 89° 47' E.

2.50 Foot of sand stone bluff bears N.E. and S.W. are stipey

5.50 Top of sand stone bluff bears N.E. and S.W. the course sandy land.

9.95 No Cor. No. 1 the place of beginning

Area of Tract 19. Acres December 26th 1907

Resurvey of Indian Allotments in Tps 31 and 32 N. R11E.

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Chain

Resurvey of Allotment, belonging to Acowershee described in Patent No. 43 as the $\frac{1}{2}$ of the SW $\frac{1}{4}$ of the S $\frac{1}{2}$ Sec. 33 T₃₂ N. R11 E.

Prach No. 49.

Dec. 27th At 8^h 00^m a.m. l.m. l. - S^h off. 36° 07' 21" on the lat arc 33° 18' S. on the decl. arc. and determined a meridian with the solar at Cor. No. 1,

Thence N 0° 43' W.

Over level land.

2.00 Lft bank. Monecopie Wash Course S.W.

8.00 Right bank. Monecopie Wash.

20.00 No Cor. No. 2. identical with Cor. No. 3. of Prach. No. 50. previously described.

Thence S 89° 47' W.

10.20 No old allotment Cor No. 3. identical with Cor. No 2 of the Allotment belonging to Washelover Prach No. 48. and Cor. No. 4. of Allotment belonging to Gayshewah. Prach No. 44., which is a soft sand stone, marked very dim. Destroy all evidence of the cor. and re establish it in its original position as follows. Set a blue lime stone 16 x 10 x 4 ins. 12 ins. in the ground. for Cor. No. 3. of Prach No. 49. Cor No 2, Prach No. 48. and Cor. No. 4 of Prach No. 44. marked $\frac{3}{49}$ on S.E. $\frac{2}{48}$ on S.W. and $\frac{4}{44}$ on N.E. faces.

Thence S 0° 43' E.

Descend gently over sandy land through Peach Orchard along. W^g fence line from N. 0° 43' W. and S 0° 43' E.

5.00 Leap orchard from land W.
20.00 No old allotment Cor. No. 4. at end of fence line.

identical with Cor. No. 1 of the Allotment belonging to Washelover, Prach No. 48. and Cor. No. 2. of the allotment belonging to Sewiltahmah, Prach. No. 37. of T₃₁ N. R11 E. This cor. was shown me by an Indian - Destroy the old cor. and re-establish it in its original position as follows.; Set a blue lime stone 16 x 8 x 7 ins. 12 ins. in the ground. for Cor. No. 4 Prach. No. 49., Cor. No. 2. Prach. No 37 and cor. No. 1. of Prach. No. 48. marked. $\frac{4}{49}$ on N.E., $\frac{2}{37}$ on S.W and $\frac{1}{48}$ on N.W. faces.

Thence N 89° 47' E.

6.50 Right bank. of the Monecopie Wash. Course S.W.

7.65 Lft. bank. of the Monecopie Wash. Course S.W.

10.18 No Cor. No. 1. the place of beginning; Area of Prach $\frac{70.38}{2039}$ acs

Resurvey of the Allotment belonging to Jayshewah,
 described in Patent No. 42. as the S.E. $\frac{1}{4}$ of the N.W.
 $\frac{1}{4}$ of the S.E. $\frac{1}{4}$, and the S.W. $\frac{1}{4}$ of the N.E. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$
 See 33 Tps 32 N, R11E.

Tract No. 44.

Beginning at Cor. No. 1. identical with Cor. No. 3 of
 Tract No. 51, and Cor. No. 2 of Tract No. 50, previously
 described

Thence $N70^{\circ}43'W$.

Over rolling land.

2.50 Foot of bluff bears N.W. and S.E. side.

6.00 Top of sandstone bluffs 50 ft. high bears N.W. and S.E.
 thence over stony land.

10.00 To Cor. No. 2.

Set a blue lime stone $14 \times 6 \times 5$ ins., 10 ins. in the ground
 marked $\frac{3}{4}$ on S.W. face.

Thence $S89^{\circ}47'W$.

Along south face of sandstone ridge.

14.00 Again descend over S.W. slope.

20.14 To the old allotment Cor. No. 3. A sand stone loosely set.
 Destroy all evidence of this cor and re-establish it in its
 original position as follows: Set a blue lime stone $16 \times 10 \times 6$
 ins., 12 ins. in the ground for Cor. No. 3, marked $\frac{3}{4}$ on
 S.E. face

Thence $S0^{\circ}45'E$.

Descend S.W. slope over stony land.

6.00 Foot of bluff bears N.W. and S.E., Enter orchard bears
 N.W. and S.E.

10.00 To Cor. No. 4 identical with cor. No. 3 of Tract No.
 49 and Cor. No. 2 of Tract No. 48, previously described.

Thence $N89^{\circ}47'E$

Over rolling sandy land.

10.20 To Cor. No. 2 of Tract No. 49, identical with Cor. No. 3
 of Tract No. 50.

20.15 To Cor. No. 1. the place of beginning.

Area of tract 20.14 acres

Resurvey of the Allotment belonging to
 Washelewee, described in Patent No. 44 as the
 W. $\frac{1}{2}$ of the S.W. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$. Sec 33 Tps 32 N, R11E.

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Tract No. 48

Beginning at Cor. No. 1 identical with Cor. No. 4 of Tract No. 49 and Cor. No. 2 of Tract No. 37, of Tps. 31 N., R11E.

The face Cor. bet. sec. 3 and 4, Tps. 31 N., R11E. bears S39°03' E 46.35 chs. dist

Thence N043'W.

Along old fence line, over level land.

15.00
20.00

Enter brush orchard trans E and W.
To Cor. No. 2, identical with Cor. No. 3 of Tract No. 49, and Cor. No. 4 of Tract No. 44, previously described in the survey of Tract No. 49, Thence S89°12'W.

Due SW slope over sandy land through orchard.

4.75
5.93
6.78
7.00
9.00
9.88

Brook 3 lks. wide comes from Peurro's Canyon course S.E. and spur.

Stone house on line.

Stone house bears S. 6 lks. dist.

Center of Street in Moneypie Indian Village bears NE and SW.

Road leading to Pata Arizona bears NW and SE.

No. a stone shown me by the Indians of the Moneypie Village and claimed as the old allotment Cor. No. 3, identical with Cor. No. 2 of the allotment belonging to Tomahquafteva Tract No. 47. Destroy all evidence of this cor. and re-establish it in its original position as follows:

Set a blue lime stone 17x14x4 ins, 13 ins. in the ground for Cor. No. 3 of Tract No. 48 and Cor. No. 2 of Tract No. 47, marked $\frac{3}{48}$ on S.E. and $\frac{2}{47}$ on S.W. faces.

From this cor. The Minimize Missionary's house bears N57½°W 5.00 chs. dist.

Thence S0°23'E.

Along top of spur through the Moneypie Village.

9.25
9.30
9.19
9.55
4.16
5.36
7.45
9.65
9.90

No. a point 10 lks E of S.W. cor. of Stone house.

Stone house on line.

No. a point 10 lks. W. of the N.E. cor. of Stone house.

Center of narrow street bears N35°E and S35°W.

Stone house on line. E. side of street.

Center of narrow street bears N35°E and W. along the point of spur, descend steeply over S. slope

No. a point 35 lks. W. of old mill built by the Mormons.

Road at foot of descent bears NE and SW. Enter level sandy land bears NE and SW.

Wire fence bears NE and SW.

To the old allotment Cor. No. 4, identical with cor. No. 1 of the allotment belonging to Tomahquafteva Tract No. 47.

Resurvey of Indraw Allotments in Tps. 31 and 32 N. R 11 E

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which is a soft sandstone 12x2x5 in. above ground. marks plain on stone, Destroy all evidence of the old cor. and re-establish it in its original position as follows.

Set a blue lime stone 18x8x6 in. 17 in. in the ground for Cor. No. 4 of Tract No. 48, and Cor. No. 2 of Tract No. 47. marked $\frac{4}{48}$ on N.E. and $\frac{1}{47}$ on N.W. faces. Thence N 89° 16' E.

Over level cultivated land.

10.00 To Cor. No. 1, the place of beginning Area of Tract. 19.88 acres

Resurvey of the Allotments belonging to Lomanguapitewa, described in Patent No. 46 as the E 1/2 of the S.E. 1/4 of the S.W. 1/4 Sec 33 T. 32 N. R 11 E. Tract. No 47.

Beginning at Cor. No. 1, identical with Cor. No. 4, of Tract No. 48, previously described.

Thence N. 0° 23' W.

Over level land.

10.10 Wire fence line N.E. and S.W.

10.35 Road line N.E. and S.W. Over level land line N.E. and S.W. Around steep rocky S. slope of spur.

12.55 To a point 35 lbs W. of old mill built by the Mormons.

14.64 Top of arch on point of spur. in center of narrow street in Morncofi's Village line N 35° E and W.

15.85 Stone house on line E side of street.

16.45 Center of narrow street in Morncofi's Village line N 35° E and S 35° W

16.81 To a point 10 lbs W. of N.E. cor. of stone house.

17.70 Stone house on line

17.75 To a point 10 lbs E of S.W. cor. of stone house.

20.00 To Cor. No. 2, identical with Cor. No. 3 of Tract. No. 48, previously described.

Thence S 89° 12' W.

5.00 Ranial course S.W. 2 ch wide.

9.94 To old allotment Cor. No. 3, identical with Cor. No. 2 of the allotments belonging to Palasmenawan Tract. No. 46, which is a lime stone 14x10x3 in. loosely

Re Survey of Indian Allotments in Twp. 31 and 32, N. R11E
(Chains)

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Set marks almost effaced. Destroy all evidence of the old cor. and re-establish it in its original position as follows;

Set a blue lime stone 14 x 10 x 5 ins. 10 ins. in the ground for Cor. No. 3 of Tract No. 47 and Cor. No. 2 of Tract No. 46. Marked $\frac{2}{47}$ on S.E. and $\frac{2}{46}$ on S.W. faces.

Two $\frac{1}{4}$ sec. Cor. bet. sec. 32 and 33 tran N 51° 48' W 39.55 Ch. dist Thence S 0° 13' E.

6.00 North of bluff bears N.W. and S.E. enters level land bears N.W. and S.E. -

20.00 No. Cor. No. 4, identical with Cor. No. 1. of Tract No. 46. and Cor. No. 3. of the allotments belonging to Sewittahmah. Tract No. 37, of Twp. 31 N. R11E., which is a sand stone 6 x 6 x 3 ins marks, obliterated, Destroy all evidence of the old cor. and re-establish it in its original position as follows: Set a blue lime stone 15 x 6 x 4 ins, 10 ins. in the ground. for Cor No. 4. of Tract No. 47, Cor. No. 1 of Tract No. 46. and Cor. No. 3 of Tract No. 37. T 31 N. R11E. Marked $\frac{4}{47}$ on N.E. $\frac{3}{37}$ on S.E. and $\frac{1}{46}$ on N.W. faces. Thence N 89° 16' E.

Over level land

10.00 No. Cor. No. 1. the place of beginning. Area of Tract ~~17.78~~ ^{19.94} acres

December 27th 1907

Re Survey of Allotments belonging to Charley Palasmenawah described in Patent No. 47 as the W $\frac{1}{2}$ of the S.E $\frac{1}{4}$ of the S.W. $\frac{1}{4}$ of Sec. 33, Twp. 32, N. R11E Tract No. 46.

December 28th Ah. 8^h 30^m a.m. l.m.l. Dub. off. 36° 07' N. on the lat arc., 23° 16 $\frac{1}{2}$ ' S. on the decl. arc. and determine a meridian with the solar ah. Cor. No. 1. identical with Cor. No 4. of Tract No. 47, and Cor. No. 3 of Tract No. 37. T 31 N. R11E. previously described Thence N 10° 13' W.

Over level land.

14.00 Bear level land bears N.W. and S.E. over S.W. slope of bluff.

20.00 No. Cor. No. 2. identical with Cor. No. 3 of Tract No. 47. previously described

Claims

- 5.00 Thence S89°26'W.
Foot of bluff toward N.W. and S.E. Enter level land toward N.W. and S.E.
- 9.79 No. the old allotment cor. no. 3. identical with cor. no. 1, of the allotment belonging to Powahmintowah Tract No. 45, which is a red sand stone, 10 x 6 x 5 in. set in a mound of stone the marked out stone nearly obliterated, I destroy all evidence of this cor. and re establish it in its original position as follows; Set a blue lime stone 16 x 8 x 6 in. 12 in. in the ground for Cor. no. 3, of Tract No. 46. and Cor. no. 1, of Tract No. 45, marked $\frac{3}{46}$ on S.E. and $\frac{1}{45}$ on N.W. face
Thence S0°03'W.
Over level cultivated land.
- 20.00 No. old allotment cor. no. 4 which is a sand stone mark obliterated, I destroy all evidence of this cor. and re establish it in its original position as follows; Set a blue lime stone 14 x 6 x 5 in., 10 in. in the ground for Cor. no. 4, marked $\frac{4}{46}$ on N.E. face.
- Thence N89°16'E.
Over level land.
- 9.86 No. cor. no. 1 the place of beginning Area of Tract. 19.82 acres

Resurvey of the Allotment belonging to Powahmintowah, described in Patent No. 48 as the S $\frac{1}{2}$ of the N.W. $\frac{1}{4}$ of the S.W. $\frac{1}{4}$ Sec 33 T32N. R11E. Tract No. 45

Beginning at Cor. no. 1, identical with cor. no. 3 of Tract no. 46, belonging to Charley Pakamenawah previously described.
From this cor. the $\frac{1}{4}$ ac. cor. bet. sec. 32 and 33 T32N. R11 E. bears N41°10'W 32.70 ch. dist.
Thence, N0°03'E.
Over level land.

9.94 No. old allotment cor. no. 2, which is a sand stone loosely set mark nearly obliterated, I destroy all evidence of the old cor. and re establish it in its original position as follows; Set a blue lime stone 15 x 9 x 6 in.

BOOK 2108

- 10 ins. in the ground for Cor. No. 2, marked $\frac{2}{45}$ on S.W. face.
Thence $S 89^{\circ} 08' W$.
Over very broken badland ridges and deep ravines.
- 16.00 Foot of bluff toward N.W. and S.E. Enter level bottom land.
- 20.32 Destroy old allotment Cor. No. 3 which is a sand stone. marks obliterated. I destroy all evidence of the old cor. and reestablish it in its original position as follows: Set a blue line stone $16 \times 6 \times 4$ ins. 10 ins. in the ground for Cor. No. 3. marked $\frac{3}{45}$ on S.E. face.
Thence $S 0^{\circ} 03' W$.
Over level sandy land.
- 10.00 No old allotment Cor. No. 4 which is a sand stone $4 \times 3 \times 2$ ins. above ground, marks obliterated. I destroy all evidence of the old cor. and reestablish it in its original position as follows: Set a blue line stone $16 \times 10 \times 6$ ins. 12 ins. in the ground for Cor. No. 4 marked $\frac{4}{45}$ on N.E. face.
Thence $N 89^{\circ} 16' E$.
- 14.16 Top of Dam built by the Mormons. toward N.E. and S.W.
- 20.36 No corner No. 1, the place of beginning
Area of Tract 20.52 acres

December 28th 1907

Re Survey of the allotments belonging to Saman Vitse, described in Patent No. 50 as the N.W. $\frac{1}{4}$ of the N.E. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ and the S.W. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ of the N.E. $\frac{1}{4}$ Sec. 32. Twp. 32. N. R. 11 E.

Tract No. 37.

Beginning at Cor. No. 1, which is a sand stone with marks nearly obliterated. I destroy all evidence of the old cor. and reestablish it in its original position as follows: Set a blue line stone $16 \times 15 \times 4$ ins. 10 ins. in the ground for Cor. No. 1 marked $\frac{1}{37}$ on N.W. face.

December 30th At 8^h 00^m am. I set off $36^{\circ} 07' N$, on the lat. arc. $23^{\circ} 09' S$, on the decl. arc and determine a meridian with the solar.

- Thence N¹⁰°01'E.
- 10.00 Foot of sandstone cliffs, leads level land toward N.W. and S.E. are steeply over S.W. slope of cliffs.
- 17.50 Top of bluffs toward N.W. and S.E. thence over nearly level stony land.
- 20.00 To the old allotment cor. no. 2 which is a lime stone loosely set in a mound of stone. Destroy all evidence of the old cor. and re. establish it in its original position as follows; Set a blue lime stone 14x10x6 ins. 10 ins. in the ground for Cor. no 2, marked $\frac{2}{37}$ on S.W. face. Show this Cor. the 1/4 sec cor. bet. sec. 32 and 33. T³² N, R11E. bear. S60°51'E 1029 ch. dist. ✓
- Thence S89°16'W.
- Over level stony land.
- 4.10 To edge of bluffs toward N.E. and S.W. desc. abruptly
- 6.50 Foot of descent. Cross dry ravine 50 lbs. wide 20 ft deep course South and.
- 10.00 To Cor. no 3, identical with cor. no. 2, of the Allotment belonging to Charley Ditzgetee. Tract. no. 38. Set a blue lime stone 14x14x4 ins. 10 ins. in the ground. marked $\frac{3}{37}$ on S.E. and $\frac{2}{38}$ on S.W. face.
- Thence S0°01'W.
- Desc. gently over S.E. slope.
- 00.40 Road leads to Ruba Ariz toward N.W. and S.E.
- 10.00 To Cor. no 1, of Tract no. 38, identical with cor. no. 2, of Allotment belonging to Charley Ditzgetee Tract no. 39. A point in the bottom of a dry ravine 15 lbs wide, 5 ft. deep course S.E.
- 13.40 Foot of descent. Cross road toward N80°W and S80°E.
- 13.65 Wire fence toward N.W. and S.E. Enter level land toward N.W. and S.E.
- 20.00 To old allotment cor. no. 4 which is a red sand stone mark, entirely obliterated. Destroy the old cor. and re establish it in its original position as follows. Set a lime stone 18x10x5 ins. 12 ins. in the ground for Cor. no. 4 marked $\frac{4}{37}$ on N.E. face.
- Thence N89°16'E.
- Over level sandy land.
- 00.60 Wire fence toward N.E. and S.W.
- 3.26 Wire fence toward N.E. and S.W.
- 10.00 To Cor. no. 1 the place of beginning Area of Tract 20.00 acres

BOOK 2103

Resurvey of the Allotments belonging to Charley Stogsdale, described in Patent no. 51. as the $\frac{5}{2}$ of the SW $\frac{1}{2}$ of the NE $\frac{1}{4}$ Sec 32, Twp 32 N, R 11 E.,
Tract No. 38.

Beginning at Cor. no. 2. of this tract identical with Cor. no. 3. of Tract no. 37. previously described.

Thence S 89° 06' W.

Over stony hilly land.

00.45 Road to Nuba Ariz head NW. and SE.

19.70 No. Cor. no. 3 which is a mound of stone, I destroy all evidence of this cor. and re establish it in its original position as follows, Set a lime stone 15 x 6 x 6 ins. 10 ins. in the ground for Cor. no. 3, marked $\frac{3}{38}$ on S.E. face.

Thence S 0° 07' E.

Descend. over stony land.

10.00 No. Old allotment, Cor. no. 4. identical with Cor. no. 3. of the Allotment belonging to Charley Stogsdale Tract no. 39. and Cor. no. 2. of the Allotment belonging to Shov North's Tract no. 40., which is a solid stone set loosely in a mound of stone and not marked. I destroy all evidence of the old cor. and re establish it in its original position as follows: Set a blue lime stone, 15 x 6 x 5 ins. 10 ins. in the ground for Cor no. 4 of Tract no. 38., Cor. no. 3 of Tract no. 39, and Cor. no. 2 of Tract no. 40. marked $\frac{4}{38}$ on N.E., $\frac{3}{39}$ on S.E. and $\frac{2}{40}$ on S.W. faces.

Thence N 89° 06' E.

Over steep S. slope of Bluffs.

19.67 No. Cor. no. 1 identical with Cor. no. 2. of Tract no. 39. A point in the bottom of ravine unsuitable for the establishment of a permanent cor., therefore at

19.82
19.72 Set a blue lime stone 14 x 12 x 4 ins. 10 ins. in the ground for witness Cor. to Cor. no. 1, Tract no. 38 and Cor no. 2 of Tract no. 39. marked W.C. $\frac{1}{38}$ on N.W. and $\frac{2}{39}$ on S.W. faces.

From the witness cor. a stone hook bears N 20° E about 6.00 chs dist.

A stone house bears S 77 $\frac{1}{2}$ ° W about 8.00 chs. dist.

Thence, from Cor. point in bed of ravine, I run

N 0° 01' E.

9.60 Road to Nuba Ariz head NW. and SE.

Resurvey of Indian Allotments in Twp 31 and 32 N, R 11 E.
 (Chand)

BOOK 2103

10.00 No Cor. No. 2, the place of beginning
From this cor. the 1/4 sec cor. bet. sec. 32 and 33. Twp 32 N,
R 11 E. bear S 75° 38' E 1962 ch. dist.
Area of Tract 19.68
49.73 acres.

Resurvey of the Allotments belonging to Charley
Styger, described in Patent No. 51, and the
N.W. 1/4 of the S.E. 1/4 of Sec 32 Twp 32 N, R 11 E.
Tract No. 39.

Beginning at the old allotment cor. no. 1, identical
with cor no. 3 of the allotment belonging to
Mahshenimptewa Tract No. 43, and Cor. No.
2, of the Allotment belonging to Hosteen Clitsory
Tract No. 43, which is a red sand stone
6x6x4 ins above ground, ^{III}VIII on S.E., II-XII on SW.
faces, other marks too dim to read, identify all
evidence of this cor. and re establish it in its
original position as follows: Set a blue lime
stone 16x12x6 ins, 12 ins in the ground for cor.
no. 1 of Tract No. 39, Cor. no. 2 of Tract No. 43 and
Cor. no. 3 of Tract No. 43, marked, 3/4 on N.W.
1/2 on S.W. and 2/3 on S.E. faces.
Thence N 0° 01' E.
Over level land.

- 10.00 No Cor. No. 4 of Tract No. 37.
- 16.35 Wire fence bears NW and S.E. Over level land bears NW
and S.E., are S.E. slope over hilly land
- 16.60 Road to ranch house bears N 80° W and S 80° E.
- 20.00 No Cor. No. 2, in bottom of dry ravine, 15 ch. ^{N 89° 06' E} of
the witness cor. to Cor. no. 1 Tract no. 38. and cor. no.
2, Tract no. 39, previously described.
Thence S 89° 06' W. over hilly land.
- 19.67 No Cor. No. 3, identical with Cor. no. 4 of Tract No.
38. and cor no. 2 of Tract No. 40, previously described
Thence S 0° 07' E.
Down bluff.
- 1.75 Foot of bluff bears E and W. Enter level land bears E and W.
- 7.95 Road to ranch bears N.E. and S.W.
- 10.55 Wire fence bears E and W.

BOOK 2108

18.45 Old Canal. built by the mormons. flows West.
 20.00 P.O. the old allotment cor. NO. 4, identical with
 cor. NO. 3. of the allotment belonging to Herten Chitewy
 Prach. NO. 42. Cor. NO 2. of the allotment belonging to
 Dshlaclal pahdannee Prach. NO. 41, and Cor. NO.
 1 of the allotment belonging to Shoe Noelthi Prach
 NO. 40. which is a sand stone 12x2x6 ins.
 marked. $\frac{III}{XII}$ on S.E. face. I destroy all evidence of
 this corner and re establish it in its original
 position as follows. Set a blue lime stone, 24x
 8x8 ins, 18 ins. in the ground for cor. of Prach. 39.
 40 - 41 and 42. , marked. $\frac{4}{39}$ on N.E. $\frac{3}{42}$ on S.E.
 $\frac{2}{41}$ on S.W. and $\frac{1}{40}$ on N.W. faces.
 From this cor. a Navajo Hogan bears S45°E 4.50 Ch.
 dist.
 Thence N89°07'E.
 Over level land.

19.40 Old Canal. constructed by the mormons, course N.W.
 19.60 No Cor. NO. 1. the place of beginning
 Area of Prach ³⁹ ³³ 37.42 acres.

Resurvey of the Allotment belonging to Shoe
 Noelthi described in Patent No. 53 as the N.E. $\frac{1}{4}$
 of the S.E. $\frac{1}{4}$ of sec. 32 Twp. 32 N. R 11 E.
 Prach No. 40.

Beginning at Cor. NO. 1, identical with cor.
 NO. 4 of Prach NO. 39. Cor NO. 3 of Prach NO. 42. and
 Cor. NO 2. of Prach NO. 41., previously described.
 From this cor. the cor. of sec. 56. 31 and 32. on the
 S. side of Twp. 32 N. R 11 E. bears S70°40' W 4.385 Ch. dist. ✓
 Thence. N0°07'W.
 Over level land.

1.55 Old Canal. built by the mormons flows West.
 9.45 Wire fence bears East W.
 12.05 Road to ranch bears NE and SW.
 18.25 Level land at foot of bluff bears East W and
 steep S. slopes.
 20.00 No Cor. NO. 2. identical with Cor. NO. 3. of Prach NO.
 39, and Cor. NO 4. of Prach NO. 38 previously described

Chain

BOOK 2103

Thence S89°07' W.

Over S. face of bluffs.

17.70 Road to Nuba Ariz. bears N.E. and S.W.

19.77 No. Cor. No. 3. Set a blue lime stone, 15 x 7 x 4 ins 10 ins. in the ground for Cor. No. 3. marked $\frac{3}{40}$ on S.E. face

Thence South.

Descend bluffs.

00.40 Road to Nuba Arizona bears N.E. and S.W.

11.70 Road to ranch. at foot of bluffs bears N.E. and S.W. Enter level bottom land bears N.E. and S.W.

16.40 Old Canal. built by the Mormons Course S.W.

20.00 No. Cor. No. 4. identical with Cor. No. 3. of the allotment belonging to Ishlaclalphah danute Neach. No. 41. which is a sand stone 6 x 6 x 4 ins. mark nearly all obliterated. Destroy the old cor. and re establish it in its original position as follows; Set a blue lime stone 14 x 13 x 4 ins 10 ins. in the ground for Cor. No. 4. of Tract No. 40 and Cor. No. 3. of Tract No. 41, marked $\frac{4}{40}$ on N.E. and $\frac{3}{41}$ on S.E. face.

Thence N89°08'E.

Over level sandy land.

1.30 Old Canal. built by the Mormons Course N.W.

18.00 Same Canal Course S.W.

19.78 No. Cor. No. 1 the place of beginning Area of Tract. 3955 Acres

December 30th 1887

Resurvey of the Allotments belonging to Washewintewa described in Patent No. 49. as the W $\frac{1}{2}$ of the S.E. $\frac{1}{4}$ of the S.E. $\frac{1}{4}$ Sec. 32 T $\frac{32}{N}$ R $\frac{11}{E}$.

Tract No. 43.

Beginning at Cor. No. 1. which is a sand stone, loosely set. marked $\frac{I}{VIII}$ on N.W. face. Destroy the old cor. and re establish it in its original position as follows. Set a blue lime stone 16 x 6 x 6 ins., 10 ins in the ground for Cor. No. 1. marked $\frac{1}{43}$ on N.W. face.

Dec 31st at 9^h 00^m a.m. Line set off. 36°07' N. on the lat. arc. 23°07' S. on the decl. arc and

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determine a meridian with the solar
Thened from $N 0^{\circ} 01' E$.

Descend bluffs.

5.00 Foot of bluff bears E and W. Enter level land bears E and W.

12.00 Moneopie Wash. 150 lbs wide Course S.W.

16.60 Old canal built by the Mormons Course N.W.

20.04 No. Cor. No. 2, a sand stone mark obliterated. I
destroy the old cor. and reestablish it in its original
position as follows. Set a blue line stone $16 \times 6 \times 4$ ins.
12 ins. in the ground for Cor. No. 2. marked $\frac{2}{43}$ on S.W.
face.

Thened $S 89^{\circ} 16' W$.

Over level sandy land.

9.99 No. Cor. No. 3 identical with Cor. No. 1 Tract No. 39,
and Cor. No. 2 of Tract No. 42, previously described
Thened $S 0^{\circ} 01' W$.

Over level land.

00.50 Old Canal, built by the Mormons Course N.W.

8.00 Moneopie Wash. 150 lbs wide banks 15 ft high. Course
 $N 80^{\circ} W$, ascend bluffs.

20.00 No. Cor. No. 4 identical with Cor. No. 1 of the
Allotment belonging to Horsten Clitroy Tract No.
42, which is a sand stone $10 \times 6 \times 5$ ins. marked
 $\frac{1}{4}$ on N. face. I destroy the old cor. and reestablish
it in its original position as follows: Set a blue
line stone $16 \times 6 \times 5$ ins. 12 ins. in the ground
for Cor. No. 4 of Tract No. 43 and Cor. No. 1 of
Tract No. 42. marked $\frac{4}{43}$ on N.E. and $\frac{1}{42}$ on
N.W. face.

Thened $N 89^{\circ} 16' E$ —

Along steep N. face of bluffs.

10.00 No. Cor. No. 1. the place of beginning
From this cor. the 4 sec. Cor. to sec. 4 and 5 Tps. 31 N, R 11 E.
bears $S 14^{\circ} 19' E$ 3620 lbs. dist.

Area of Tract ^{19.99} 20.00 acres.

Resurvey of the Allotment belonging to Horsten
Clitroy, described in Patent No. 512 as the SW $\frac{1}{4}$ of the
SE $\frac{1}{4}$ of Sec 32, Tps. 32 N, R 11 E.
Tract No. 42.

Chain

Beginning at Cor. no. 1 identical with cor. no. 47. the allotment belonging to Nashenimptewa Tract no. 43. previously described.

Thence N 0° 01' E. -

ascend N. slope.

12.00 Mound of Wash. 150 lbs. wide. Banks 15 ft. high Course N 80° W. Enter level land toward N.E. and S.W.

19.50 Old canal built by the Mormons Course N.W.

20.00 To Cor. no. 2. identical with Cor. no. 1. of Tract no. 39. and Cor. no. 3 of tract no. 43., previously described
Thence S 89° 07' W

Over level land.

00.25 Old canal. built by the Mormons Course N.W.

19.66 To cor. no. 3. identical with cor. no. 4 of Tract no. 39. cor. no. 1 of Tract no. 40. and Cor. no. 2 of Tract no. 41 previously described in resurvey of Tract no. 39.
Thence S 0° 07' E.

Over level bottom land.

10.00 Mound of Wash 150 lbs. wide banks 15 ft. high Course S 80° W.

14.65 To the old witness Cor. to cor. no. 4 of allotment belonging to Horsten Clitroy and Cor. no. 1. of allotment belonging to Deliaelal pahnancee. which is a sand stone 14 x 2 x 12 ins, above ground firmly set, marked W.C. XII on E face. Destroy all evidence of this cor.

14.75 To foot of bluff level level land toward N.E. and S.W. ascend steep N. slope

16.25 Top of steep ascent and bluff. 30 ft. above bottom land. Thence over rolling land.

20.00 Set a blue line stone 15 x 6 x 5 ins. 10 ins. in the ground for Cor. no. 4 of Tract no. 42. and Cor. no. 1. of Tract no. 41, marked $\frac{4}{42}$ on N.E. and $\frac{4}{41}$ on N.W. faces.

Thence N 89° 05' E.

Over stony hilly land. along N. face of bluff.

19.68 To Cor. no. 1 the place of beginning.

Area of Tract 39.38 acres

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Resurvey of the Allotment belonging to
Ishla Lalpandannee.
Tract No. 41Beginning at Cor. No. 1, identical with Cor No. 4
of Tract No. 42, previously described.Thence $N 0^{\circ} 07' W$.

Desc. N slope of bluffs.

3.75 Descend abruptly into Monocofie Valley.

5.25 Peak of steep descent. Enter level bottom land cross N.E. and S.W.

10.00 Monocofie Wash 150 lks. wide Course $S 80^{\circ} W$.20.00 To Cor. No. 2, identical with Cor. No. 3 of Tract No. 42,
Cor. No. 4 of Tract No. 39, and Cor. No. 1 of Tract No. 40, previously
described. in the resurvey of Tract No. 39.Thence $S 89^{\circ} 08' W$.

Over level bottom land.

1.78 Old Canal. Course S.W.

18.48 Same Canal Course N.W.

19.78 To Cor. No. 3, identical with Cor. No. 4 of Tract

No. 40 previously described

Thence South

Over level land.

6.25 Monocofie Wash. 125 lks wide banks 20 ft high Course
S.W.20.00 To the old allotment Cor. No. 4 which is a sand stone
14 x 12 x 6 ins. set firmly in a mound of stone marked
(IV - XIII) on N.E. face. Destroy all evidence of the old
Cor. and re establish it in its original position
as follows: Set a blue line stone 16 x 8 x 6 ins. 10 ins.
in the ground for Cor. No. 4 marked $\frac{41}{41}$ on N.E. face
Thence $N 89^{\circ} 05' E$.

Ascend N.W. slope over broken stony land

19.80 To Cor. No. 1 the place of beginning.

Area of Tract 3958 acres.

Resurvey of the Allotment belonging to
Sewittahmah, described in Patent No.
45, as the N.W. $\frac{1}{2}$ of the N.W. $\frac{1}{4}$ of the N.E. $\frac{1}{4}$ and the N.E. $\frac{1}{4}$ of the
N.E. $\frac{1}{4}$ of the N.W. $\frac{1}{4}$ Sec. 4. Twp. 31 N. R. 11 E.

Albany

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Tract No. 37.

Beginning at cor No 1 which is a sand stone 8x6x4 in above ground mark nearly obliterated identify all evidence of the old cor. and re establish it in its original position as follows: Set a blue line stone 17x9x6 ins. 11 ins in the ground. for Cor No. 1 marked $\frac{1}{37}$ on NW face

Thence N045'W

Over level land

5.00 Monocline Wash 200 lbs. wide course SW.
10.00 No cor No. 2 identical with cor. No. 4 of the allotment belonging to Acowashed and Cor. No 1 of the allotment belonging to Nashedewal previously described.
Thence S89°16'W

Over level land.

10.00 Distinct cor. No. 4 of Tract No. 48, identical with Cor No. 1 of Tract No. 47.
20.00 No Cor. No. 3:1 identical with Cor No. 4 of Tract. No. 47, and Cor. No 1 of Tract. No. 46 previously described.
Thence South.

Over level land

8.00 Monocline Wash. 150 lbs. wide banks 20ft high. Course S80°W are. sand bluffs.
10.00 Set a blue line stone 18x6x6 ins 12 ins. in the ground. for Cor No. 4, marked $\frac{4}{37}$ on NE face
Thence N89°16'E.

Along N slope of bluffs

10.00 Pass bluffs bear N.W. and S.E. Enter level bottom land bear N.W. and S.E.

~~79.98~~ No cor. No 1 the place of beginning
From this cor. the 4 rec. cor. bear rec 3 and 4, T 31 N R 11 E. bear S48°17'E 39.02
S41°48'E 37.00 chs dist.

Area of Tract. 2000 acres.
19.99

Dec 31st 1907

Survey of Allotments in Twp. 31 and 32 N, R 11 E.

BOOK 2103

In subdividing the agricultural land, designated by the Superintendent of the Western Navajo School at Tuba Arizona, along the Mowcopie Wash., into allotments of 5 acres each, I locate the tracts with respect to their agricultural value, adaptability to irrigation, and in conformity with the lines and corners of the old survey as found in making the re-survey of the 16 original allotments, and number them in the same order in which I re-numbered the old allotments in making the re-survey, beginning with Tract no. 53, and continuing.

Tract No. 53.

Beginning at Cor. no. 3 of Tract no. 45 which is heretofore described, I mark $\frac{1}{53}$ on N.W. face of the stone, for Cor. no. 1, of this Tract.

Thence $N70^{\circ}03'E$.

5.00 Set a line stone 16x9x4 ins, 12 ins. in the ground, for cor. no. 2, marked $\frac{2}{53}$ on S.W. face.

Thence $S89^{\circ}16'W$.

Over level land

10.18 Intersect line 1-2 of tract no. 37. 5.00 $N10^{\circ}1'E$ Ch. H. of Cor. no. 1. Set a line stone 14x6x5 ins 10 ins in the ground, for Cor. no. 3, marked $\frac{3}{53}$ on S.E. face.

Thence $S0^{\circ}01'W$

5.00 No cor no. 1, Tract no. 37, which is identical with cor. no. 4, of this tract, I mark $\frac{4}{53}$ on N.E. face of stone.

Thence $N89^{\circ}16'E$.

10.18 No cor. no 1, the place of beginning Area of Tract 5.09 acres

Survey of Tract No. 54

Beginning at Cor. no 1 Tract no. 37, which I mark on S.W. face $\frac{2}{54}$, for Cor. no. 2.

Thence $S89^{\circ}16'W$.

10.00 No cor no. 4, of Tract no. 37, which I mark on S.E. face $\frac{3}{54}$ for Cor. no 3.

Thence $S0^{\circ}01'W$

Jan. 1-1908 at 9^h-00^m. am. East off $36^{\circ}07' N$ on the lot. at $25^{\circ}07' P$ on the ded. arc, and determine a true meridian with the Inclin at cor. No. 3 Tract No. 45.

- 5.00 No cor. no. 4. identical with cor. no. 3 of Tract no. 55. Set a blue lime stone $16 \times 6 \times 5$ ins 17 ins in the ground, marked $\frac{4}{54}$ on N.E. and $\frac{3}{55}$ on S.E. face.
Thence $N 89^{\circ} 16' E$.
- 10.00 No cor. no. 1. identical with cor no. 2. Tract no. 56 cor. no. 3 Tract no. 57. and cor no. 4 of Tract. no. 56 Set a blue lime stone $16 \times 9 \times 4$ ins, 17 ins in the ground, marked $\frac{1}{54}$ on N.W. $\frac{4}{56}$ on N.E., $\frac{3}{57}$ on S.E. and $\frac{2}{55}$ on S.W. face.
Thence $N 0^{\circ} 01' E$.
- 5.00 No cor. no. 2. the place of beginning Area of Tract 500 acres

Survey of Tract No. 55

Beginning at Cor. no. 2 of Tract no. 43., which I mark on N.W. face $\frac{1}{55}$ for Cor. no. 1

Thence $N 0^{\circ} 01' E$.

- 5.00 No cor. no. 2. identical with cor no. 1 Tract no 54 Cor. no. 4 of Tract no. 56 and Cor. no. 3 of Tract. no 57 previously described, in survey of Tract no 54
Thence $S 89^{\circ} 16' W$.
- 10.00 No cor. no. 3 identical with cor. no. 4 of Tract. no. 54, previously described.
Thence $S 0^{\circ} 01' W$.
- 5.00 No cor. no. 3 of Tract. no. 43. Cor. no. 2 of Tract no. 42. and cor. no. 1. of Tract. no. 39., which I mark on N.E. face $\frac{4}{55}$ for cor no. 4.
Thence $N 89^{\circ} 16' E$.
- 9.99 No cor. no. 1. the place of beginning Area of Tract 500 acres
Set off $73^{\circ} 03' P$ on the decl. arc and at $12^{\text{h}} 03^{\text{m}}$ of M. l.m.t. observe the sun on the meridian, the resulting lat. being $36^{\circ} 07' N$.
- Survey of Tract No. 56.
Beginning at cor. no. 3 of Tract no. 45, identical with cor. no. 1 of Tract no. 53; which I mark on S.W. face $\frac{2}{56}$ for Cor. no. 2.
Thence $S 89^{\circ} 16' W$.
- 10.18 Intersect Cor. no. 4 Tract no 53. identical with Cor. no. 1. of Tract. no. 37 and Cor. no. 2 of Tract no. 54.

Survey of Allotments in Nos 31 and 32 N. 11 E.

BOOK 2103

- which I mark on S.E. face $\frac{3}{56}$ for cor No. 3
 Thence $S0^{\circ} 01' W$.
- 5.00 No Cor. No. 4, identical with cor no. 3 of Tract No. 57
 Cor No. 2 of Tract No. 55 and Cor No. 1 of Tract No. 54
 previously described in the survey of Tract No. 54
 Thence $N48^{\circ} 16' E$.
- 10.18 Subsects the line 3-4 of Tract No. 45, 5.00 ch. NO. 3 E
 of Cor. No. 4.
 Set a blue limestone $16 \times 6 \times 4$ ins, 10 ins. in the
 ground, for cor No. 1, identical with Cor. No. 2
 of Tract No. 57, marked $\frac{1}{56}$ on N.W. and $\frac{2}{57}$
 on S.W. faces.
 Thence $N0^{\circ} 03' E$.
- 5.00 No cor No. 2. the place of beginning.
 Area of Tract 5.09 acres

Survey of Tract No. 57.

- Beginning at Cor. No. 4 of Tract No. 45 which I
 mark on N.W. face $\frac{1}{57}$ for Cor. No. 1
 Thence $N0^{\circ} 03' E$.
- 5.00 No Cor. No. 2, identical with cor. No. 1 of Tract,
 No. 56, previously described.
 Thence $S89^{\circ} 16' W$.
- 10.18 No Cor. No. 3, identical with cor. No. 4 of Tract No. 56
 Cor No 1, Tract No. 54 and Cor No. 2 of Tract No. 55
 previously described in the survey of Tract No. 54.
 Thence $S0^{\circ} 01' W$.
- 5.00 No Cor No. 1 of Tract No. 55 identical with Cor. No.
 1 of Tract No. 43, which I mark on N.E. face $\frac{4}{57}$ for
 Cor. No. 4.
 Thence $N48^{\circ} 16' E$.
- 10.18 No Cor No. 1 the place of beginning
 Area of Tract 5.09 acres

Jan 1st 1908

Survey of Tract No. 58.

Beginning at Cor. No. 4 of Tract No. 45 identical with
 Cor. No. 1 of Tract No. 57, previously described, which I mark
 on S.W. face $\frac{2}{58}$ for cor. No. 2 of this tract

- 5.09 Thence Iron $S 89^{\circ} 16' W$.
Over level land.
- 7.00 No. Cor. no. 3. identical with cor. no. 2. of Tract no. 59.
Set a blue line stone $17 \times 8 \times 6$ ins. 12 ins. in the ground,
marked $\frac{2}{58}$ on S.E. and $\frac{2}{59}$ on S.W. faces.
Thence $S 0^{\circ} 02' W$.
Over level land.
- 10.00 Right bank. Monocopia Wash. bears N.W. and S.E.
- 10.00 No Cor. no. 4. identical with cor. no. 1 of Tract no. 59., cor.
no. 2 of Tract no. 60 and cor. no. 3 of Tract no. 61. A point in
bed of Wash, unsuitable for the establishment of a permanent
cor. -
Thence $N 89^{\circ} 16' E$.
- 00.50 Right bank of Monocopia Wash. bears N.W. and S.E.
- 00.76 Set a blue line stone $16 \times 9 \times 6$ ins. 12 ins. in the ground for
Witness Cor. to cor. no. 4 of Tract no. 58. Cor. no. 1 of Tract
no. 59., cor. no. 2 of Tract no. 60, and cor. no. 3 of Tract no. 61
marked W.C. $\frac{4}{58}$ on N.E., $\frac{3}{61}$ on S.E., $\frac{2}{60}$ on S.W. and $\frac{1}{59}$ on N.W.
faces
- 5.09 No Cor. no. 1. identical with cor. no. 2. of Tract no. 61.
Set a blue line stone $15 \times 6 \times 6$ ins. 10 ins. in the ground
marked $\frac{1}{58}$ on N.W. and $\frac{2}{61}$ on S.W. faces
This cor. is situated on remains of old dam, built by the Monocopia
Thence $N 0^{\circ} 03' E$.
over level land
- 10.00 No Cor. no. 7. the place of beginning.
Area of Tract 509 acres
at this cor. pt. 91.30 N. on the lat. line $36^{\circ} 07' \pm N$ on the lat. line
 $22^{\circ} 58' P$ on the decl. arc. and determine a true meridian with
the solar

Survey of Tract No. 59.

- Beginning at the true point for Cor. no. 1. in the bed
of the Monocopia Wash. 75 lbs. $S 89^{\circ} 16' W$ of W.C.
Thence $N 0^{\circ} 02' E$. In wash
- 3.00 Right bank of Monocopia Wash. bears N.W. and S.E. Over level land.
- 10.00 No Cor. no. 2. identical with cor. no. 3. of Tract no
58 previously described.
Thence $S 89^{\circ} 16' W$.
Over level land
- 5.09 No Cor. no. 4. of Tract no. 57. identical with cor. no. 2.
of Tract no. 43 and Cor. no. 1. of Tract no. 55 previously
described. which I mark on S.E. face $\frac{2}{59}$ for cor. no. 3
Thence $S 0^{\circ} 01' W$

Chains

BOOK 2103

- Over level land.
 3.40 Old Canal built by the Mormon Course $N80^{\circ}W$.
 8.00 Mornepie Wash, 150 lbs. wide built 20 ft high Course $N80^{\circ}W$
 10.00 Set a blue limestone $16 \times 6 \times 6$ ins 12 ins. in the ground
 for Cor. No. 4, identical with Cor. No. 3 of Tract
 No. 60, marked $\frac{4}{59}$ on N.E. and $\frac{3}{60}$ on S.E. faces.
 Thence $N89^{\circ}16'E$.
 Over level land
 4.50 Left bank of Mornepie Wash, bears N.W. and S.E.
 5.09 No point for Cor. No. 1 the place of beginning.
 Area of Tract 5.09 acres

Survey of Tract No. 60.

Beginning at Cor. No. 1 of Tract No. 43, previously
 described, which I mark on N.E. face $\frac{4}{60}$, for Cor. No. 4
 of this Tract.

Thence $N89^{\circ}16'E$.

around Sandstone bluff.

- 5.09 Set a limestone $18 \times 12 \times 4$ ins, 12 ins in the ground,
 for Cor. No. 1, identical with Cor. No. 4 of Tract No. 61
 marked $\frac{4}{61}$ on N.E. and $\frac{1}{60}$ on N.W. faces.

Thence $N0^{\circ}02'E$.

Down bluff.

- 6.00 Foot of bluff bears E and S.W. Enter level land bears E and S.W.
 10.00 No. Cor. No. 2, identical with Cor. No. 1, Tract No. 59, Cor. No.
 4 of Tract No. 58 and Cor. No. 3, Tract No. 61

A point in the bed of the Mornepie Wash, 75 lbs $S89^{\circ}16'W$
 of W.C. described in the Survey of Tract No. 58.

Thence $S89^{\circ}16'W$.

- .59 Left bank of Mornepie Wash, Enter level land bears N.W. and S.E.
 5.09 No Cor. No. 3, identical with Cor. No. 4 of Tract No. 59,
 previously described.

Thence $S0^{\circ}01'W$.

Over level land.

- 5.00 Level land bears N.E. and S.W. around N. slope
 10.00 No Cor. No. 4, the place of beginning
 Area of Tract 5.09 acres

Survey of Tract No. 61

Beginning at Cor. No. 4, identical with Cor. No. 1 of Tract No. 60.

Thence $N 89^{\circ} 16' E$.

Descend over sandstone bluff.

5.09 Set a blue line stone $18 \times 10 \times 6$ ins., 12 ins. in the ground for Cor. No. 1, marked $\frac{1}{61}$ on N.W. face!

Thence $N 0^{\circ} 03' E$.

3.50 Monocline Wash. covered with 150 lbs white sand 20 ft high

10.00 No Cor. No. 2, identical with Cor. No. 1 of Tract No. 58 previously described.

Thence $S 89^{\circ} 16' W$.

over level land.

4.34 No Witness Cor. to Cor. No. 4 Tract No. 58, Cor. No. 3 Tract No. 61 Cor. No. 2 Tract No. 60 and Cor. No. 1 of Tract No. 59, described in the Survey of Tract No. 58:

5.09 No true point for Cor. No. 3 in the bed of the Monocline Wash.

Thence $S 0^{\circ} 2' W$.

10.00 No Cor. No. 4 the place of beginning.
Area of Tract 5.09 acres

Jan 2nd 1908

Survey of Tract No. 62.

Jan 3rd 1908! At 9^h 00^m am. l.m.l. Det off. $36^{\circ} 07' N$ on the lat. line, $22^{\circ} 53' S$ on the decl. arc and determine a meridian with the solar alt. Cor. No. 3 of the Allotment belonging to Jayshwah Tract No. 44 which I mark out on S.W. face $\frac{2}{62}$ for Cor. No. 2 of this tract.

Thence D run $S 89^{\circ} 12' W$.

Desc W. slope, bluffs

3.00 Enter bottom land, covered with brush trees head N.W. and S.E.

7.40 Cross track 2nd circle from Reservoir Canyon Council S.W. and bluffs, head or chord, head N.E. + S.W.

9.88 Set a blue line stone $16 \times 6 \times 7$ ins., 12 ins. in the ground for Cor. No. 3, marked $\frac{3}{62}$ on S.E. face. The Mogui Day School building head N 20' W 350 lbs dist.

Thence $S 43' E$.

Desc. gradually over S. slope

Survey of Allotments in Pps, 31 and 32 N, R11 E
Claims

BOOK 2103

5.00 Set a blue limestone 15x10x7 ins. 10 ins. in the ground.
for Cor. no. 4, identical with cor. no. 3 of Tract no. 63
marked $\frac{4}{62}$ on N.E. and $\frac{3}{63}$ on S.E. faces.

Thence N 89° 12' E.

Due E. slope bluff.

3.50 Foot deep cross brook 2 hrs. wide Course S.E. Enter orchard from N.W. and

8.00 Pass orchard from N.W. and S.W.

9.88 Intersect the line 3-4, of Tract no. 44, 5 chs $\frac{1}{2}$ W of cor.

no. 4. Set a blue limestone 15x10x6 ins., 10 ins. in
the ground. for Cor. no. 1, identical with cor. no. 2
of Tract no. 63, marked $\frac{1}{62}$ on N.W. and $\frac{2}{63}$ on S.W. faces.

Thence, N 0° 45' W.

5.00 To Cor. no. 2. the place of beginning.

Area of Tract. 4. 94 acres

Survey of Tract. No. 63.

Beginning at Cor. no. 4, Tract. no. 44, identical with
cor. no. 3 Tract no. 49, and cor. no. 2 Tract no. 48, described
in the survey of Tract. no. 49, which I mark on N.W. face
 $\frac{1}{63}$ for Cor. no. 1 of this tract.

Thence N 0° 45' W. are S.W. slope of bluff

5.00 To cor. no. 2, identical with cor. no. 1 of Tract no.
62, previously described.

Thence S 89° 12' W.

Due W. slope of bluff.

1.88 Foot step desc. Enter peach orchard from N.W. and S.E.

6.38 Brook 2 hrs wide course S.E. comes from Reservoir Canyon
are. E. slope, Leave orchard from N.E. and S.W.

9.88 To cor. no. 3, identical with cor. no. 4 of Tract no. 62
previously described.

Thence S 0° 43' E

Due gently S. slope

2.00 Road from E and W

5.00 Intersect Cor. no. 3 of Tract no. 48, identical with cor.
no. 2 of Tract. no. 47, described in the survey of Tract.
no. 48, which I mark on N.E. face $\frac{4}{63}$ for cor. no. 4
of this Tract.

Thence, N 89° 12' E

00.88 Road to Nuts/Big from N.W. and S.E.

Chains

BOOK 2103

- 2.88 Center of Street in Mormon Village from N.E. and S.W.
- 3.10 Stone house from S. 6 lbs. dist.
- 3.95- Stone house on line.
- 5.13 Brook 3 lbs. wide course S.E. comes from the Reservoir Canyon. Enter Ar. below. From N.W. and S.E. are gently.
- 7.88 No. Cor. no. 1 the place of beginning area of Tract 4.94 acres.

Survey of Tract No. 64

Jan 3rd A.M. 11th 10th p.m. I. m. l. set off $36^{\circ}07'$ N. on the lot. are. $22^{\circ}52\frac{1}{2}'$ S. on the decl. arc and determine a meridian with the solar alt. Cor. no. 4 of the Allotments belonging to Powahmintowah Tract. no. 45 identical with Cor. no. 1 of Tract no. 57 and Cor. no. 2 of tract no. 58, which I mark on S.E. face $\frac{3}{64}$, for cor no 3 of this Tract.

Thence Drive. $S0^{\circ}03'W$,
over level sandy land.

- 5.00 Set a blue line stone 16x9x5 ins. 12 ins. in the ground, for Cor. no. 4, identical with Cor. no. 3 of Tract no. 67, marked $\frac{4}{64}$ on N.E. and $\frac{3}{67}$ on S.E. faces
Thence $N89^{\circ}16'E$. Over level sandy land

- 6.25 Remains of old dam, built by the Mormons, from N.E. and S.W.

- 10.18 Set a blue line stone 17x9x6 ins. 12 ins. in the ground, for Cor. no. 1, identical with Cor. no. 4 of Tract no. 65, Cor. no. 3 of Tract no. 66 and Cor. no. 2 of Tract no. 67, marked $\frac{4}{65}$ on N.E., $\frac{3}{66}$ on S.E., $\frac{2}{67}$ on S.W. and $\frac{1}{64}$ on N.W. faces.
Thence $N10^{\circ}03'E$.
Over level land.

- 2.50 Remains of old dam built by the Mormons from N.E. and S.W.

- 5.00 Intersect line 1-4 of Tract no. 45 10.18 elev. $S89^{\circ}16'W$ of Cor. no. 1.
Set a blue line stone 16x10x6 ins. 12 ins. in the ground, for Cor. no. 2, identical with Cor. no. 3 of Tract no. 65 - marked. $\frac{2}{64}$ on S.W. and $\frac{3}{65}$ on S.E. faces.
Thence $S89^{\circ}16'W$.
Over level land.

- 10.18 No. Cor. no 3 the place of beginning.

BOOK 2108

Area of Tract 5.09 acres

Survey of Tract No. 65.

Beginning at Cor. no 3. of Tract No. 46. identical with Cor. no. 1. of Tract No. 45. described in the resurvey of Tract no. 46. which I mark on S.W. face $\frac{1}{65}$ for Cor. no 2. of this tract.

Thence I run $S89^{\circ}16'W$. over level land.

6.20 Top of old dam built by the Mormons toward N.E. and S.W.

10.18 No Cor. no. 3. identical with Cor. no. 2. of Tract No. 64 previously described.

Thence $S0^{\circ}03'W$.

over level land

2.50 Top of ruins of old earth dam built by the Mormons toward N.E. and S.W.

5.00 No. Cor. no. 4. identical with Cor. no. 3. of Tract No. 66. Cor. no. 2. of Tract No. 67. and Cor. no. 1. of Tract No. 64 previously described, in the survey of tract No. 64

Thence $N89^{\circ}16'E$.

Over level land.

10.18 Intersect line 3-4 of Tract No. 46. 5 chs. $S0^{\circ}3'W$. of Cor. no. 3.

Set a blue line stone $17 \times 9 \times 5$ ins 12 ins in the ground for Cor. no. 1. identical with Cor. no. 2. of Tract no. 66 marked. $\frac{1}{65}$ on N.W. and $\frac{2}{66}$ on S.W. faces.

Thence $N0^{\circ}03'E$.

Over level land.

5.00 To Cor. no. 3 the place of beginning.

Area of Tract 5.09 acres

Jan 3rd 1907

Survey of Tract No. 66

Jan 4th at 8th 30^m a.m. I set off $36^{\circ}07'$ on the lat. arc. $22^{\circ}46\frac{1}{2}'S$. on the decl. arc, and determine a meridian with the solar at Cor. no. 2. identical with Cor. no. 1. of Tract No. 65 previously described.

Thence I run $S89^{\circ}16'W$.

Over level land.

10.18 No Cor. no. 3. identical with Cor. no. 2. Tract no 67. Cor. no. 1. of Tract No. 64 and Cor. no. 4 of Tract no. 65 previously described in the survey of Tract No. 64.

Thence $S0^{\circ}03'W$.

5.00 Over level sandy land.
 Set a blue line stone 18x10x6 ins. 12 ins. in the ground. for cor. no. 4. identical with cor. no. 3 of Tract no. 70, Cor. no. 2 of Tract no. 69, and cor. no. 1 of Tract no. 67, marked $\frac{4}{66}$ on N.E., $\frac{3}{70}$ on S.E., $\frac{2}{69}$ on S.W. and $\frac{1}{67}$ on N.W. faces.
 Thence N 89° 16' E.

10.18 Over level sandy land.
 Intersect line line 3-4 of Tract no 46. 10.00 chd. N 0° 3' E. of cor. no. 4.
 Set a blue line stone 16x8x6 ins, 12 ins. in the ground. for cor. no. 1, identical with cor. no. 2. of Tract no. 71. marked $\frac{1}{66}$ on N.W. and $\frac{2}{71}$ on S.W. faces.
 Thence N 0° 03' E.

5.00 Over level land.
 No. cor. no. 2. the place of beginning.
 Area of Tract 5.09 acres.

Survey of Tract No. 67

Beginning at cor. no. 1, described in the survey of Tract no. 66.

Thence N 0° 03' E.

Over level land.

5.00 No. cor. no. 2. Identical with cor. no. 1. of Tract no 64, Cor. no. 4 of Tract no. 65 and cor. no 3. of Tract no 66. previously described.
 Thence S 89° 16' W.

Over level land.

3.93 Top of old earth dam built by the Mormons, from NE and SW.

10.18 No cor. no. 3 identical with cor. no. 4 of Tract no. 64, previously described.

Thence S 0° 03' W.

Over level land

5.00 Intersect Cor. no. 1 of Tract no. 58. identical with cor. no. 2 of Tract no. 61. and cor. no. 3 of Tract no. 68. which I mark on N.E. face $\frac{4}{67}$. for Cor. no. 4 of this tract,

Thence N 89° 16' E.

Over level land

Survey of Allotments in Tps 31 and 32 N, R11E.

BOOK 2103

10.18

No Cor. No. 1 the place of beginning
Rain prevents further work on this day
Area of Tract 5.09 acres.

Jan 4th 1908

Survey of Tract No. 68

Jan 6th Ch 9^h 05^m am. Com. Dist. off. 36° 07' N, on
the lat. arc. 22° 34' S, on the decl arc and determine
a meridian with the Solar ah. Cor. no. 1, of Tract
no. 61, which I mark on N.E. face $\frac{1}{68}$ for Cor. no. 4
of this tract.

Thence Drum N 89° 16' E.
Over level bottom land

3.00 Moneypie Wash. 150 lbs. wide banks 10 ft. high. Course N 10°

5.09 Set a blue line stone 16 x 9 x 5 ins, 12 ins. in the
ground for cor. no. 1, identical with Cor. no. 4
of Tract no. 69, marked $\frac{1}{68}$ on N.W. and $\frac{1}{69}$ on N.E. faces
Thence N 10° 03' E.

Over level land.

10.00 Intersect line 1-4. Tract no. 67. 5.09 Ch. S 89° 16' W
of Cor. no. 1.

Set a blue line stone 17 x 6 x 6 ins, 12 ins. in the ground.
for Cor. no. 2, identical with Cor. no. 3 of Tract no. 69
marked $\frac{2}{68}$ on S.W. and $\frac{3}{69}$ on S.E. faces.

Thence S 89° 16' W.
Over level sandy land

5.09 No cor. no. 3, identical with cor. no. 2 of Tract no. 61
Cor. no. 1 of tract no. 58 and Cor. no. 4 of Tract no. 67,
previously described, which I mark $\frac{1}{68}$ on N.E. face for cor. no. 3 of
this tract

Thence S 0° 03' W.
Over level sandy land.

5.25 Moneypie Wash. Course N.W.

10.00 No Cor. no. 4 the place of beginning.
Area of Tract 5.09 acres.

Survey of Tract No. 69.

Beginning at Cor. no. 4 identical with Cor. no. 1.
of Tract no. 68, previously described.

Thence N 89° 16' E.
Over level land.

5.09 Set a blue line stone 15 x 5 x 5 ins 10 ins. in the

Claims

BOOK 2103

- ground for Cor. No. 1, identical with Cor. No. 4 of Tract No. 70, marked $\frac{1}{9}$ on N.W. and $\frac{4}{70}$ on N.E. faces.
 Thence $N 0^{\circ} 03' E$.
 Over level land.
- 10.00 No Cor. No. 2, identical with Cor. No. 1 of Tract No. 67, Cor. No. 4 of Tract No. 66, and Cor. No. 3 of Tract No. 70, previously described in the survey of Tract No. 66.
 Thence $S 89^{\circ} 16' W$.
 Over level land.
- 5.09 No Cor. No. 3 identical with Cor. No. 2 of Tract No. 68 previously described.
 Thence $S 0^{\circ} 03' W$.
- 10.00 No Cor. No. 4 the place of beginning
 Area of Tract 5.09 acres.

Survey of Tract No. 70

- Beginning of Cor. No. 4, identical with Cor. No. 1 of tract No. 69, previously described
 Thence $N 89^{\circ} 16' E$.
- 5.09 Set a blue line stone $14 \times 10 \times 5$ ins, 10 ins in the ground for Cor. No. 1, identical with Cor. No. 4 of Tract No. 71, marked $\frac{1}{70}$ on N.W. and $\frac{4}{71}$ on N.E. faces.
 Thence $N 0^{\circ} 03' E$.
 Over level land.
- 10.00 Intersect line 1-4, Tract No. 66, 5.09 chs $S 89^{\circ} 16' W$ of Cor. No. 1.
 Set a blue line stone $17 \times 6 \times 5$ ins, 12 ins in the ground for Cor. No. 2, identical with Cor. No. 3 of Tract No. 71, marked $\frac{2}{70}$ on S.W. and $\frac{3}{71}$ on S.E. faces,
 Thence $S 89^{\circ} 16' W$.
- 5.09 No Cor. No. 3, identical with Cor. No. 2 of Tract No. 69, Cor. No. 2 of Tract No. 67, and Cor. No. 4 of Tract No. 66, previously described in the survey of Tract No. 66.
 Thence $S 0^{\circ} 03' W$.
- 10.00 No Cor. No. 4 the place of beginning
 Area of Tract 5.09 acres

Survey of Allotments in Tps 31 and 32 N. R 11 E

BOOK 2103

Survey of Tract No. 71.

Beginning at Cor NO. 4. identical with Cor. NO. 1 of Tract. NO. 70 previously described.

Thence $N 89^{\circ} 16' E$. over level land.

5.09 Intersect Cor. NO. 4 of Tract. NO. 46. which I mark on N.W. face $\frac{1}{71}$ for Cor. NO. 1. of this tract.

Thence $N 0^{\circ} 03' E$.

over level land

10.00 Intersect Cor. NO. 2. identical with Cor. NO. 1. of Tract. NO. 66 previously described

Thence $S 89^{\circ} 16' W$.

over level land

5.09 To Cor. NO. 3 identical with Cor. NO. 2 of Tract NO. 70. previously described.

Thence $S 0^{\circ} 03' W$.

Over level. sandy land

10.00 To Cor. NO. 4 the place of beginning Area of Tract 5.09 acres.

Jan. 6th 1908.

Survey of Tract No. 38. of Tps 31 N. R 11 E.

Jan 7th 1908 at 10^h 05^m a.m. L. M. C. D. M. H. G.

$36^{\circ} 07' N$. on the lat. arc. $22^{\circ} 27' S$. on the decl. arc

and determine a meridian with the ~~North~~ ^{South} ~~East~~ ^{West} ~~Point~~ ^{Line} ~~of~~ ^{the} ~~Tract~~ ^{Tract} ~~NO. 37~~ ^{NO. 37} of this Tps. which is

identical with Cor. NO. 1 of Tract. NO. 46. and Cor. NO.

4 of Tract. NO. 46. of Tps. 32 N. R 11 E.

This Cor. I mark on S.W. face $\frac{38}{38}$ for Cor. NO. 2. of this tract.

Thence I run $S 89^{\circ} 16' W$. over level land.

9.86 Intersect Cor. no 4. of Tract. NO. 46. identical with

Cor. NO. 1 of Tract NO. 71 of Tps. 32 N. R 11 E. and Cor.

NO. 2 of Tract. NO. 39. of Tps. 31 N. R 11 E. I mark this

Cor. on S.E. face $\frac{38}{38}$ for Cor. NO. 3. of this tract, and $\frac{29}{39}$.

on S.W. face for Cor. NO. 2. of Tract NO. 39

Thence. South.

1.00 Right bank Monocipie Wash. bears N.W. and S.E.

2.50 Center of Wash Course Wash.

3.60 Left bank of Monocipie Wash. bears E and W

5.00 Set a blue lime stone 18x10x6 ins. 12 ins. in the ground for Cor. No. 4 identical with Cor. No. 1. of Tract, No. 39, marked $\frac{4}{38}$ on NE. and $\frac{1}{39}$ on NW. face.

Thence N 89° 16' E. over level land.

4.50 Moneypie's Wash. 100 lbs wide Course N.W.

9.88 Intersect line 3-4, of Tract No. 37, 5. Chw N. of Cor. No. 4.

Set a blue lime stone 16x5x5 ins. 12 ins. in the ground for Cor. No. 1, marked $\frac{1}{38}$ on NW. face

Thence North
Over level land.

5.00 No Cor. No. 2. the place of beginning Area of Tract 4.93 acres.

Survey of Tract No. 39.

Beginning at Cor. No. 1. identical with Cor. No. 4 of Tract No. 38 previously described.

Thence North
Over level land.

1.40 Left bank Moneypie's Wash. bears E. and W.

2.50 Center of Wash Course West.

4.00 Right bank of Wash. bears N.W. and S.E.

5.00 ~~Tract No. 2~~ identical with Cor. No. 1 of Tract No. 71 and Cor. No. 4 of Tract, No. 46 T₁ 32 N₁ R₁₁ E previously described.

Thence S 89° 16' W.
Over level land.

5.09 Intersect Cor. No. 4 Tract No. 71 identical with Cor. No. 1 Tract No. 70.

10.18 Intersect Cor. No. 4 of Tract No. 70. identical with Cor. No. 1, of Tract, No. 69, which I mark on S.E. face $\frac{3}{39}$ for Cor. No. 3 of this Tract.

Thence South
Over level land.

4.00 Set a blue lime stone 18x5x5 ins. 12 ins. in the ground for witness Cor. to Cor. No. 4. which falls in the bed of the Moneypie's Wash., marked W.C. $\frac{4}{39}$ on NE. face

Chain

BOOK 2103

4.30

Right bank of Monecopie Wash. :

5.00

No. Point for cor. no. 4, in bed of Wash.

Thence $N 89^{\circ} 16' E$.

In Wash. Canal NW.

4.00

Left bank of Monecopie Wash. from NW and SE.

10.18

No. Cor. no. 1 the place of beginning,

From Cor. 4, the $\frac{1}{4}$ sec. cor. bet. sec. 4 and 5 bears

$S 20^{\circ} 34' W$, 32.27 Chudit.

Area of tract 5.09 acres.

Jan 7th 1908

In pursuance of my instructions dated Dec. 17th 1907. directing me to resurvey the lands allotted to the Mogui and Nava Jo Indians along the Mouncofia Wash in Twp. 31 and 32. N. R. 11 E. as originally located and to close the lines of the Public Survey upon the allotments. I proceed as follows.

Jan 8th 1908. at 8^h 36^m am. L. mt. D. set. off. $36^{\circ}07'N$ on the lat. arc. $22^{\circ}19'S$ on the decl arc. and determined a meridian with the solar at the $\frac{1}{4}$ sec. cor. Twp. sec 3 and 34 on the S. bdy of Twp. 32 N. R. 11 E., Thence I run Wash. Twp. sec. 3 and 34 on W. $\frac{1}{2}$ mile.

40.00 Wall 14 lbs N. of the cor. of sec. 3, 4, 33 and 34 which is a blue line stone $6 \times 6 \times 4$ ins. above ground. firmly set, marked and witnessed as described in the field notes
Course of line back to the $\frac{1}{4}$ sec. cor. $N 89^{\circ}48'E$.

Wash. Twp. sec 4 and 33.

40.26 Intersect. the $\frac{1}{4}$ sec. cor. which is a blue line stone firmly set, marked and witnessed as described in the field notes.

Course of line back to the sec. cor. East.

From $\frac{1}{4}$ sec. cor. I run

Wash. Twp. sec 4 and 33.

41.24 Wall 6 lbs S. of the witness cor. to cor. of sec 4, 5, 32 and 33. which is a blue line stone. firmly set, marked and witnessed as described in the field notes

Course of line back to the $\frac{1}{4}$ sec. cor. $S 89^{\circ}55'E$.

Length of mile 80.50 Chd,

Wash. Twp. sec 5 and 32.

40.00 Wall 9 lbs S. of the $\frac{1}{4}$ sec. cor. which is a blue line stone firmly set, marked and witnessed as described in the field notes

Course of line back. to the sec. cor. $S 89^{\circ}52'E$.

From the $\frac{1}{4}$ sec. cor. I run

Wash. Twp. sec 5 and 32.

39.92 Intersect the cor. of sec. 5, 6, 31 and 32. which is a blue line stone properly marked and witnessed as described in the field notes

Course of line back. to the $\frac{1}{4}$ sec. cor. East.

BOOK 2103

Length of mile 79.92 chs.

Having determined the length and course of each $\frac{1}{2}$ mile of this portion of the south boundary I resurvey the line as follows.

At 10th 35^m from S. end. Det. off. $36^{\circ}07'$ N. on the lat. arc. $92^{\circ}20'$ S. on the decl. arc. and determine a meridian with the solar at the cor. of sec. 5, 6, 31 and 32. Thence Run East. 1/2 mile. 5 and 32.

Over level sandy bottom land.

21.60 Intersect W. Side of Allotment Survey 5.82 chs. N. of cor. no. 4 of Tract. no. 41. Belonging to Oshlaclalpahdamee Set a blue line stone 18x10x6 ins., 12 ins. in the ground for closing cor. of Twp. 31 and 32 N. R 11 E., marked 32 N. on N., P.C. on E., 31 N. on S. and C.C. 11 E on W. faces. with 6 grooves on N.E. and W. faces. Dig pits 30x24x12. ins. centered on line, N and S, 4 ft. and W. of stone 8 ft. dia., and raise a mound of earth 5 ft. base 2 1/2 ft. high W. of cor.

Thence across the Allotments on a blank line.

39.92 Intersect the 1/4 sec. cor., Thence Run $S 89^{\circ}52' E.$

39.00 Intersect the Witness Cor. to cor. of sec. 4, 5, 32 and 33.

From witness Cor. to cor. of Sec. 4, 5, 32 and 33. Run $S 89^{\circ}55' E.$ on a blank line across allotted tract

41.24 Intersect the 1/4 sec. cor. - Thence Run East. on blank line

40.26 Intersect the cor. of sec. 3, 4, 33 and 34

$N 89^{\circ}48' E.$

East on a blank line across allotted tract.

10.92 Intersect E. boundary of Allotment Survey, 3.90 chs. $90^{\circ}43'$ W. of cor. no. 1. of Tract. no. 52. Belonging to Frank Shumtewa.

Set a blue line stone 14x12x4 ins., 10 ins. in the ground for closing corner of Twp. 31 and 32 N. R 11 E., marked 32 N. on N.C.C. 11 E on E. 31 N. on S. and P.C. on W. faces. with 6 grooves on N.E. and S. faces.

Raise a mound of stone, 2 ft. base 1 1/2 ft. high E. of cor.

Retracement and Resurvey of the Study of N. 32 N. R. 11 E.

Albans

BOOK 2108

Pits impracticable

- 12.00 Point of sand stone bluff 50 ft high from N. and S.
- 40.00 Intersect. the 4 sec. cor. - which is a blue limestone
7x6x6 ins above ground. firmly set. marked. $\frac{1}{4}$ S 34 on N. face
Pits and mound of earth N. of cor.

January 8th 1908.

BOOK 2103

- Jan 8 1908. At 1^h 36^m p.m. l.m.l.: Set off 36° 07' N on the
 lat. arc. 22° 19' 8. on the decl. arc and determine a meridian
 with the solar at the cor. of sec. 3, 4, 33 and 34 on the
 N. bdy. of Twp. 31 N. R. 11 E. Thence I run
 S 0° 02' E. 1/4 sec. 3 and 4.
 40.80 Intersect the 1/4 sec. cor. which is a blue lime stone
 marked and witnessed as described in the field note
 Course of line back to the sec. cor. N 0° 02' W.
 From 1/4 sec. cor. I continue my line
 S 0° 02' E. 1/4 sec. 3 and 4.
 8 0.00 Intersect the cor. of sec. 3, 4, 9 and 10 which is a
 blue lime stone firmly set marked, and witnessed as
 described in the original field notes
 Course of line back to the 1/4 sec. cor. N 0° 02' W.
 Length of mile 80.00 chs.

- West 1/4 sec. 4 and 9.
 40.26 Fall 9 lbs. S. of the 1/4 sec. cor. which is a blue lime stone
 firmly set marked and witnessed as described in
 the original field notes
 Course of line back to the sec. cor. S 89° 52' E.
 From 1/4 sec. cor. I run
 West 1/4 sec. 4 and 9. W 1/2 mile
 40.25 Fall 8 lbs. S. of the old cor. of sec. 4, 5, 8 and 9.
 which is a blue lime stone, changed by me from a cor.
 to 4 to a cor. to 2 sec. when subdividing Twp. 31 N.
 R. 11 E.
 Course of line back to the 1/4 sec. cor. S 89° 53' E.
 Length of mile 80.50 chs.

- West on South bdy. sec. 5.
 39.90 Fall 12 lbs. S. of the 1/4 sec. cor. which is a blue lime
 stone, firmly set, properly marked and witnessed as
 described in the original field notes.
 Course of line back to the cor. of sec. 4 and 5 S 89° 50' E.
 From 1/4 sec. cor. I run
 West on S. bdy. sec. 5 W 1/2 mile.
 39.92 Fall 8 lbs. S. of the old cor. of sec. 5, 6, 7 and 8, which
 is a lime stone, marked for cor. sec. 5 and 6, changed
 from cor. to 4 sec. to cor. of two sec. by me. when
 subdividing Twp. 31 N. R. 11 E.

Retracement and Resurvey of Subdivision line Twp. 31 N, R 11 E.

Chains

BOOK 2103

Course of line back to the $\frac{1}{4}$ sec. cor. $S89^{\circ}53'E$.
Length of mile. 79.82 chs.

39.86 North $\frac{1}{2}$ sec. 5 and 6.
Intersect the $\frac{1}{4}$ sec. cor. which is a blue line stone
fairly set marked and witnessed or described in the
original field note.

79.76 Continue my line
North $\frac{1}{2}$ sec. 5 and 6.
Intersect the N. bdy of Twp. at the cor. of sec. 5, 6, 31 and
32.

Course of line back to the cor. of sec. 5 and 6. South.
Length of mile 79.76. chs.

January 8th 1908

Jan 9th 1908 Ab. 7^h 45^m a.m. l.m.l. I set off $36^{\circ}07'N$.
on the labare, $22^{\circ}41'S$ on the decl. arc and determine
a meridian with the solar alt. $59^{\circ}09'$ from cor. of sec. 4, 5, 32
and 33 on the N. bdy of the Twp. Thence I run
 $S0^{\circ}3'E$ $\frac{1}{2}$ sec. 4 and 5

39.93 Fall 9 chs. E. of the $\frac{1}{4}$ sec. cor. which is a blue line stone fairly
set, and properly marked and witnessed or described
by the Surveyor General.

Course of line back to the sec. cor. $N. 0^{\circ}03' E$.
From $\frac{1}{4}$ sec. cor. I run
 $S0^{\circ}03' E$. $\frac{1}{2}$ sec. 4 and 5.

39.94 Fall 6 chs. E. of the cor. of sec. 4 and 5.
Course of line back to the $\frac{1}{4}$ sec. cor. $N0^{\circ}02' E$.
Length of mile 79.87 chs

I now return to the $\frac{1}{4}$ sec cor bet. sec. 4 and 5
and re survey the $\frac{1}{2}$ mile as follows,
Beginning at the $\frac{1}{4}$ sec cor. I run
 $N0^{\circ}05' E$. $\frac{1}{2}$ sec. 4 and 5,
Over hilly sandy land.
Edges of sandstone bluffs trend N.W. and S.E.
descend abruptly, over N.E. slope.

35.08 Intersect the S bdy of the Allotment survey
1.23 chs. $S89^{\circ}16' W$. of Cor. No. 1 of Tract No. 61.
Set a blue line stone 17x8x6 ins. 12 ins in the

Relacement and Recovery of Subdivision lines in Twp. 31 N., R. 11 E.
 Claims

BOOK 2103

ground for closing cor. of sec. 4 and 5 marked.
 P.C. on N. & C.C. on S. with 4 grooves on E. and
 2 grooves on W. faces.

Raise a mound of stone 2 ft. base 1 1/2 ft. high S of cor.
 Pits impracticable

Thence on blank line across allotments

39.93
 4.00

Distance N. S. of Twp. 100 lbs. E of the western cor. to
 cor. of sec. 4, 5, 32 and 33 -

Land hilly.

Soil sandy and stony 2nd 3rd and 4th rates

No timber

The survey of line bet. sec. 3 and 4, N. 1/2 mile
 On 9th 30^m a.m. level. D. set off 36° 06 1/2' N. on the
 lat. arc., 22° 12' S. on the decl. arc. and determine a
 meridian with the solar on the 1/4 sec. cor. bet.
 sec. 3 and 4 Thence I run

N 0° 02' W. on a true line bet. sec. 3 and 4

Ascend. N slope over hilly sandy land

36.12 Distance S. S. of allotment Survey, 92 lbs.
 S 89° 47' W. of cor. NO. 1. of Mack. No. 51. Belonging to
 Plehousera,

Set a blue line stone 14 x 10 x 4 ins. 10 ins. in the
 ground for closing cor. of sec. 3 and 4, marked.
 P.C. on N. C.C. on E. with 3 grooves on E and W. faces
 Raise a mound of stone 2 ft. base 1 1/2 ft. high S of cor.
 Pits impracticable

Thence on blank line across allotments.

40.00 Distance N. S. of Twp. at cor. sec. 3, 4, 33 and 34

Land hilly

Soil sandy and stony 3rd and 4th rates

No timber.

January 9th 1908

Chains

BOOK 2103

Jan 9th 1908 Ab. 10^h 55^m a.m. Incl. - Incl. off. 36° 07'
 N. on the lat. arc. 22° 12' S on the decl. arc. and determine
 a meridian with the solar ab. the cor. of. sec. 3, 4, 33
 and 34 on the 5 day of Jy. Thence Drive
 N 0° 2' W. bet. sec. 33 and 34

40.00 Fall 2 lks W. of the 1/4 sec cor. which is a lime stone
 firmly set and marked and witnessed as described by
 the Surveyor General.
 Course of line back to the sec. cor. South.
 From 1/4 sec. cor. Drive.

N 0° 02' W. on 1 1/2 mile bet. sec. 33 and 34
 40.00 Fall 2 lks W. of the cor. of. sec. 27, 28, 33 and 34
 which is a blue lime stone, firmly set and marked
 and witnessed as described by the Surveyor General.
 Course of line back to the 1/4 sec cor. South.
 Length of mile 80.00 chs.

40.26 Walk. bet. sec. 28 and 33.
 Fall. 1 lks S. of the 1/4 sec cor. which is a blue lime
 stone, firmly set, marked and witnessed as described
 by the Surveyor General.
 Course of line back to the sec. cor. S 89° 54' E.
 From 1/4 sec. cor. Drive.

40.02 Walk. on 1 1/2 mile bet. sec. 28 and 33
 Fall 6. lks S. of the cor. of. sec. 28, 29, 32 and 33
 which is a blue lime stone, firmly set, marked,
 and witnessed as described by the Surveyor General.
 Course of line back to the 1/4 sec. cor. S 89° 55' E.
 Length of mile 80.28 chs.

39.85 Walk. bet. sec. 29, and 32.
 Fall 25 lks S. of the 1/4 sec. cor. which is a blue
 lime stone firmly set, marked and witnessed as
 described by the Surveyor General.
 Course of line back to the sec. cor. S 89° 39' E.
 From 1/4 sec. cor. Drive

40.01 Walk. on 1 1/2 mile bet. sec. 29 and 32.
 Fall 6 lks S. of the cor. of. sec. 29, 30, 31 and 32
 which is a blue lime stone firmly set, marked

BOOK 2103

and witnessed as described by the Surveyor General.
Course of line back to the $\frac{1}{4}$ sec. cor. $S 89^{\circ} 55' E$.
Length of mile 79.86 chs.

$S 0^{\circ} 3' E$. Feb. sec. 31 and 32

30.00 Fall 11 lks E. of the Witness Cor. to the $\frac{1}{4}$ sec cor.
which is a blue lime stone. firmly set, marked
and witnessed as described by the Surveyor General.
Course of line back to the sec cor. $N 0^{\circ} 9' E$.
From Witness Cor. I run.

$S 0^{\circ} 3' E$. Feb. sec 31 and 32.

50.06 Fall 8 lks. E. of the cor. of sec 5, 6, 31 and 32
on S. side of R.R.

Course of line back to the Witness Cor. to the $\frac{1}{4}$ sec
cor. $N 0^{\circ} 02' E$.
Length of mile 80.06 chs

At $2^h 30^m$ p.m. level - I set off $36^{\circ} 07' N$ on the lat.
arc. $22^{\circ} 10' S$ on the decl. arc. and determined a
meridian with the solar alt. the true point for cor.
of sec. 4, 5, 32 and 33 on the S. side of R.R.
Thence I run.

$N 0^{\circ} 03' W$. Feb. sec. 32 and 33.

40.08 Fall 10 lks W. of the $\frac{1}{4}$ sec. cor. which is a blue
lime stone $4 \times 4 \times 5$ ins above ground, firmly set,
marked and witnessed as described by the Surveyor
General.

Course of line back to point for sec. cor.

$S 0^{\circ} 06' W$.

From $\frac{1}{4}$ sec. cor. I run

$N 0^{\circ} 3' W$. on N. $\frac{1}{2}$ mile Feb. sec 32 and 33.

39.98 Fall 6 lks. W. of the cor. of sec. 28, 29, 32 and 33.
Course of line back to the $\frac{1}{4}$ sec cor. $S 0^{\circ} 02' W$.
Length of mile 80.06 chs.

Re survey of the line Feb. sec. 32 and 33. $3\frac{1}{2}$ mile
I return to the $\frac{1}{4}$ sec. cor. Thence I run
 $S 0^{\circ} 06' W$ on a true line Feb. sec 32 and 33

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

1745

LIST OF NAMES.

BOOK 2103

A list of the names of the individuals employed by Sidney E. Blunt

Examiner of Surveys, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the allotments to the Mogus and Navajo Indians in Tps. 31 and 32 N. R. 11 E., The relocation and Resurvey of Tps. 32 N. R. 11 E., The Relocation and Resurvey of Subdivision lines in Tps. 31 and 32 N. R. 11 E.

showing the respective capacities in which they acted:

- J. H. Kent Compassman, Chairman.
- F. D. Kline, Chairman.
- Norman Oliver, Chairman.
- F. L. Warner, Moundman.
-, Moundman.
-, Axman.
-, Axman.
- A. L. May, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Sidney E. Blunt

Examiner of Surveys, United States Deputy Surveyor, in surveying all those parts or portions of the Allotments of lands to the Mogus Indians in Tps. 31 and 32 N. R. 11 E., The Relocation and Resurvey of Tps. 32 N. R. 11 E. and The Relocation and Resurvey of Subdivision lines in Tps. 31 and 32 N. R. 11 E. of the Gila and

Salh River Base and meridian, in the Territory of Arizona, which 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

- F. L. Warner Moundman J. H. Kent Compassman, Chairman.
- F. D. Kline, Chairman.
- Norman Oliver, Moundman.
-, Moundman.
-, Axman.
-, Axman.
- A. L. May, Flagman.

Subscribed and sworn to before me this _____ day of _____, 190



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BOOK 2103

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Sidney E. Blout, ^{Examiner of Surveys} United States Deputy Surveyor, do solemnly swear that, in pursuance of ^{Instructions} a contract received from The Commissioner of the General Land Office Washington DC, bearing date of the 2nd day of Oct day of and 17th day of Dec, 1907, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the ^{Commissioner of the} United States Surveyor General for General Land Office Washington DC, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The Resurvey of the Allotments belonging to the Mogon and Navajo Indians in Tps 31 and 32 N. R 11 E. The Retracement and Resurvey of the S. Line of Tp. 32 N. R 11 E., The Retracement and Resurvey of the Subdivision lines of Tps 31 and 32 N. R 11 E. and the Retracement and Resurvey of the Subdivision line of Tps 31 and 32 N. R 11 E. of the Gila and Salt River Base and meridian, in the Territory of Arizona, which 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 survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Commissioner General Land Office and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Sidney E. Blout
United States Deputy Surveyor
U.S. Examiner of Surveys

Subscribed by said _____, and sworn to before me }
this _____ day of _____, 190



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona April 22, 1909

The foregoing field notes of the survey of ^{re} the Allotments belonging to the Mogon and Navajo Indians in Tps 31 and 32 N. R 11 E. ; retracement of a portion of South boundary of Tp 32 N. R 11 E., and retracement of a portion of the subdivision lines of Tps 31 and 32 N. R 11 E., Gila and Salt River Base and Meridian, Arizona

executed by Sidney E. Blout U.S. Examiner of Surveys under his contract No Instructions, dated Oct. 2 and Dec. 17, 1907, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Lygala
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

In authority for red. & corrections
Examiner Blout's letter of Mar. 27 - 1909
United States Surveyor General.