

Volume

#

R0383

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FIELD NOTES

OF THE SURVEY OF THE
following

Uncompahgre Ute Indian Allotments:

John McCook Allotment No. 278, New Roll No. 445.

Mary Wapinas & Nachits Wapinas Allotments Nos. 272 and 273, New Roll
Nos. 388 and 572.

Minnie Witchits Allotment No. 271, New Roll No. 475.

Waratza Allotment No. 266, New Roll No. 570.

Sam Arches Allotment No. 265, New Roll No. 580.

Mock-a-tose Allotment No. 274, New Roll No. 573.

Jimmy McCook Allotment No. 279, New Roll No. 449.

To-nuts Allotment No. 275, New Roll No. 473.

"Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567.

Tar-a-wig-it Allotment No. 257, New Roll No. 384.

Uncapiuke Allotment No. 258, New Roll No. 314.

"Dutchman" Upper Ranch Allotment No. 254, New Roll No. 567.

Spu-saw-ar Allotment No. 259, New Roll No. 568.

George Santis Lower Ranch Allotment No. 277, New Roll No. 320.

Seet Uncapiuke Allotment No. 260, New Roll No. 379 (John Santas Ranch
No. 2).Seet Uncapiuke Allotment No. 260, New Roll No. 379 (John Santas Ranch
No. 1).

George Santis Upper Ranch Allotment No. 277, New Roll No. 320.

Uncapiuke Allotment No. 258, New Roll No. 314.

Of the Salt Lake Base and Meridian,

In the State of Utah (On unsurveyed land)

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1912,

issued by the United States Surveyor General to govern surveys included in

Group No. _____, which were approved by the Commissioner of the General Land

Office, to A. F. Dunnington, 1912, pursuant to authority contained in the Act of

Topographer in Charge

Congress dated _____, 1912.

Survey commenced June 5, 1913

Survey completed July 17, 1913

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W. W. S. L. 372

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Survey of John McCook Allotment No. 278, New Roll 445.

On Unsurveyed Land.

Survey commenced June 5, 1913, by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 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 latitude and declination arcs.

The iron posts used in this survey are 3 ft. long, 1 in. diameter, filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

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June 5, 1913. At 2 h. 39 m. a.m. l.m.t. at my camp in the forks of Bitter and Trail Creeks and about 20.00 chs. northwest of the Bitter Creek Location Monument No. 4, approximate latitude $30^{\circ} 30'$ N., longitude $109^{\circ} 10'$ W., I observe Polaris at eastern elongation in accordance with instructions in the Manual and mark the direction thus determined by driving a tack in a wooden stake set firmly in the ground about 8.00 chs. N. of my station.

At 8 a.m. l.m.t. I lay off the Azimuth of Polaris $1^{\circ} 30'$ to the west and mark the meridian thus determined by driving a tack in a stake set firmly in the ground west of point previously established. I test the solar apparatus hourly on the meridian thus described and find adjustments satisfactory.

Preliminary to beginning the surveys of the allotments hereinafter described, I set flags at all the corners of the allotments and unless otherwise stated a true bearing was obtained from cor. to cor. without running random lines.

Bitter Creek Location Monument No. 4 I find to be a sandstone in place 10 ft. wide, 8 ft. thick and 12 ft. above ground marked with a cross (+) on top; also B C L M 4, identical to cor. No. 9 of survey of John McCook Allotment No. 278.

Original survey reports:

A cliff of rocks, brs. N. $22^{\circ} 30'$ W.

A point of rocks, brs. N. 31° E.

A point of rocks, brs. N. $42^{\circ} 30'$ W.

With these bearings I practically agree, the slight differences of not over $\frac{1}{4}^{\circ}$ due to the difference in picking a point on the cliffs.

Original survey reports:

A cross on rock N. $51^{\circ} 45'$ W. 26.3 ft.

I obtain bearings as follows:

A cross on sandstone in place 12 ft. long, 8 ft. wide, 4 ft. high, brs. N. $52\frac{1}{4}^{\circ}$ W., 39 lks. dist., which I mark

B + O.

Original survey reports:

A cross on rock, brs. S. $45\frac{1}{2}^{\circ}$ E., 25 ft.

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On Unsurveyed Land.

Chains

I obtain bearings as follows:

A cross on sandstone in place 10 ft. long, 3 ft. wide, and 3 ft. above ground, brs. S. $46\frac{1}{2}$ E. 39 lks. dist.
I mark B + 0.

This monument is on the west side of Bitter Creek on side of spur or ridge between Bitter Creek and Trail Creek and about 50 ft. above valley of Bitter Creek, well known land marks in southern part of Uintah Co., Utah.

June 6, 1913. At 8 a. m. l.m.t. I set off $39^{\circ} 31'$ N. on the lat. arc, and $22^{\circ} 39'$ N. on the decl. arc and determine a true meridian with the solar at cor. No. 1, which is a sloping sandstone in place 7 ft. long, 5 ft. wide, and $1\frac{1}{2}$ ft. above ground marked near middle, COR 1. No witnesses. Impractical to set instrument over cor., therefore to further perpetuate this cor. at a point in N. $45^{\circ} 20'$ E. line of cor. 10 lks. dist. I set an iron post 30 ins. in ground in a mound of stone for witness cor. to cor. No. 1, with cap stamped

A P W C in W.
COR 1 No 445 in E.
1913 in S.

from witness cor.

A cross on sandstone in place 12 ft. long, 4 ft. wide, and 2 ft. above ground, brs. S. $9\frac{1}{2}$ W., 40 lks. dist. marked
B + 0

A cross on sandstone in place 5 ft. long, 2 ft. wide and 2 ft. above ground, brs. N. $32\frac{1}{2}$ W., 38 lks. dist. marked
B + 0

From cor. No. 1.

Original survey reported:

N. $44^{\circ} 30'$ E. 815 ft. or 12.34 chs. to cor. No. 2.

Cor. No. 2 in sight.

Therefore I run

N. $43^{\circ} 20'$ E. on a true line, across Bitter Creek Valley through sage brush, descending.

2.90 Bitter Creek, 5 lks. wide, water 4 ins. deep, alkali, course N. 20° W.; general course N. Foot of descent, 40 ft. below cor.

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Survey of John McCook Allotment No. 278, New Roll 445.

On Unsurveyed Land.

Chains

5.40 Dim road, brs. N. 20° W. and S. 20° E.

12.40 Cor. No. 2, which is a sandstone in place 6 ft. long, 3½ ft. wide, 2½ ft. above ground, marked

COR 2

Original survey reported:

Cross on rock, brs. N. 13° 20' E. 9.4 ft.

I obtain the following:

A cross on sandstone ledge 18 ins. thick, 4 ft. long exposed, brs. N. 13½° E., 13 lks. dist., marked

B + 0

Original survey reported:

Cliff of rocks, brs. N. 42° W.

I obtain the following:

West edge of a perpendicular ledge about 125 ft. high, brs. N. 41° 40' W. about 15.00 chs. dist.

Original survey reported:

Point of rocks, brs. S. 17° E..

I obtain the following:

Point of rocks on spur between Trail and Bitter Creeks, brs. S. 16° 35' E., about 1 mile dist.

To further perpetuate this cor. at a point in line 5 lks. S. 43° 20' E.

^ of cor. point, I set an iron post 30 ins. in the

ground for witness cor. to cor. No. 2, with cap stamped

A P W C in E.

COR 2 No 445 in SW.

1913 in S.

Impracticable to set post nearer cor. point.

R Raise a mound of stones 3 ft. base, 2 ft. high in line SW. of W. C.

Land nearly level creek bottom.

Soil sandy, 2nd rate.

No timber. Sage brush.

Original survey reported:

Thence S. 16° E. 3075 ft. or 4658 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

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Survey of John McCook Allotment No. 278, New Roll 445.

On Unsurveyed Land.

Chains

S. 16° 53' E. on a true line.

Over rolling land at base of mountain through sage brush.

47.70 Cor. No. 3 which is a sandstone 20x7x5 ins. set in a small mound of stone, with cap stamped

COR 3

No witnesses.

To further perpetuate this cor., north of and alongside, set an iron post 30 ins. in the ground for W. C. to cor. No. 3, with cap stamped

COR 3 No 445 in W.

A P in E.

W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

This cor. is opposite mouth of canyon, course S. 65° W.

Land rolling.

Soil, stony, 4th rate.

No timber. Sage brush.

June 6, 1913. At this cor. I set off 22° 40' N. on the decl. arc and at 11 h. 59 m. a. m. l.m.t. observe the sun on the meridian, the resulting lat. being 39° 30'.

Original survey reports:

Thence S. 57° E. 1280 ft. or 19.39 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 56° 33' E. on a true line over rolling land through sage brush.

19.74 Cor. No. 4, which is a sandstone in place, 4 ft. long, 20 ins. wide, 2 ft. high, marked

COR 4

No witnesses.

To further perpetuate this cor. at a point in line 5 lks.

N. 56° 33' W.

of cor. point, set an iron post 30 ins. in mound

of stone for W. C. to Cor. No. 4, with cap stamped

COR 4 No 445 in W.

A P in E.

W C 1913 in S.

Impracticable to set post nearer cor. point.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

From true point for cor.

A Douglas fir 14 ins. diam., brs. S. 57° E., 54 lks. dist.,
marked

COR 4 B T

A cedar 14 ins. diam., brs. S. 63½ W., 32 lks dist., marked

COR 4 B T

Cor. stands on end of spur about 40 ft. above valley amid
a few scattering trees.

Land rolling along base of mountain.

Soil, stony, 4th rate.

No timber.

Brush, sage.

June 6, 1913.

June 7, 1913. At 8 a. m. l.m.t., I set off 39° 30' on the
lat. arc, and 22° 45' N. on the decl. arc, and determine
a true meridian with the solar at the cor. No. 4.

Original survey reports:

Thence S. 15° 20' E., 2000 ft., or 30.30 chs. to cor. No.5.

Cor. No. 5 in sight.

Therefore I run

S. 19 ° 20' E. on a true line

Along base of mountain through sage brush.

5.10 Drain, course W. from deep canyon.

30.30 Cor. No. 5, which is a sandstone in place, 4 ft. long, 2
ft. wide, and 2 ft. above the ground, marked

COR 5

No witnesses.

To further perpetuate this cor., north in line and along-
side of the base of stone I set an iron post 30 ins. in
the ground for W. C. to cor. No. 5, with cap stamped

COR 5 No 445 in W.

A P in E.

W C 1913 in S.

from the true point.

A Douglas fir, 16 ins. in diam., brs. N. 88° E., 42 lks.
dist., marked

COR 5 B T

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

A cross on sandstone in place, 3 ft. long, 2 ft. wide, 14 ins. diam., brs. S. $67\frac{1}{2}$ W., 67 lks. dist., marked

B + 0

A spring of good water brs. NW., 130 lks. dist.

Land, rolling.

Soil, stony, 3d and 4th rate.

Brush, sage.

Original survey reports:

Thence $31^{\circ} 10'$ E. 850 ft. or 12.88 chs. to cor. No. 6.

Cor. No. 6. in sight.

Therefore I run

S. 32° E. on a true line.

Along base of mountain over rolling land through sage brush.

3.60 Mouth of canyon, course W.

12.68 Cor. No. 6, which is a sandstone in place, 18 ins. long, 18 ins. wide and 6 ins. above ground, marked

COR 6

No witnesses.

To further perpetuate this cor., N. of and alongside, I set an iron post, 30 ins. in the ground ^{and} in a mound of stone for W. C. to cor. No. 6, with cap stamped

COR 6 No 445 in W.

A P in E.

W C 1913 in S.

A cross on sandstone in place, 10 ft. long, 4 ft. wide, and 2 ft. above the ground, brs. N. 2° E., 32 lks. dist., marked

B + 0

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

End, rolling along base of mountain.

Soil, stony, 4th rate.

No timber.

Brush, sage.

June 7, 1913. At this corner I set off $22^{\circ} 46'$ N. on the decl. arc, and at 11 h. 59 m. a. m. l.m.t. observe the sun on the meridian, the resulting lat. is $39^{\circ} 30'$.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

Original survey reports:

Thence S. $63^{\circ} 50'$ E., 580 ft. or 8.79 chs. to cor. No. 7.

Cor. No. 7 in sight.

Therefore I run

S. $64^{\circ} 45'$ E. on a true line.

Along base of mountain through sage brush.

8.64 Cor. No. 7, which is also Cor. No. 2 of the Mary Wapinas and Nachits Wapinas allotment, new roll No. 388 and 572, is a sandstone 30x12x6 ins. set in a small mound of stone, marked

COR 7 on W. face
COR 2 on E. "

No witnesses.

To further perpetuate this cor., N. of and alongside, I set an iron post 30 ins. in the ground, with cap stamped

COR 7 No 445 in W.
A P in NE.
COR 2 No 388
572 in SE.
W C 1913 in S.

from which

A Douglas fir 12 ins. diam. brs. N. $24\frac{1}{2}^{\circ}$ E., 166 lks. dist., marked

COR 7 - 2 B T

A cross on sandstone in place, 4 ft. high, $3\frac{1}{2}$ ft. wide and 6 ft. long, brs. N. $49\frac{1}{2}^{\circ}$ E., 94 lks. dist., marked

B + O

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Land, rolling along base of mountain.

Soil, stony, 4th rate.

No timber.

Brush, sage.

Original survey reports:

Thence S., 675 ft. or 10.22 chs. to cor. No. 8.

Cor. No. 8 in sight.

Therefore I run

S. $0^{\circ} 45'$ E. on a true line.
Across Bitter Creek Valley.

1.40 Dim road, brs. E. and W.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

4.60 Bitter Creek, 10 lks. wide, banks 5 ft.; water 4 lks. wide, 4 ins. deep, alkali, course NW.

10.06 Cor. No. 8, which is also Cor. No. 1 of the Mary Wapinas and Nachits Wapinas allotment Nos. 388 and 572. This cor. is a double Douglas fir, 20 ins. diam., blazed on E. and W. faces. I made thorough search for marks on stones or other indications of a cor.; finding none I mark tree in W. blaze

COR 8

and in E. blaze

COR 1

To further perpetuate this cor. N. and alongside I set an iron post 30 ins. in the ground for W. C., with cap stamped

COR 8 No 445 in NW.

COR 1 No 388 572 in E.

A P W C 1913 in S.

Raise a mound of stone 3 ft. base 2 ft. high, in line N. of cor.

Land, slopes gently to creek from both sides.

Soil, sandy, 2nd rate.

No timber.

Brush, sage.

Original survey reports:

Thence N. $58^{\circ} 24' 10''$ W., 1443.3 ft. of 21.87 chs. to cor. No. 9.

Cor. No. 9 in sight.

Therefore I run

N. $60^{\circ} 03'$ W. on a true line.

Along base of mountain, descending slightly.

4.00 Foot of descent, brs. E. and W., thence over level bottom land.

6.10 Spring drain, 2 lks. wide, course N. Spring brs. about 50 lks. S.

15.00 Leave bottom and gradually ascend along base of mountain through sage brush to

22.05 Cor. No. 9, which is identical with Bitter Creek Location Monument No. 4, marked and witnessed as heretofore described.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

To further perpetuate this cor. I set an iron post 30 ins. in the ground for W. C. to cor. No. 9, and Bitter Creek Location Monument No. 4 in line 12 lks. ^{N. 32° 28' W.} ^ of cor. point with cap stamped

B C L M No 4 in W.
COR 9 No 445 in ME.
A P W C 1913 in S.

Land: rolling along base of mountain.

Soil: 1st and 4th rate, sandy and stony.

No timber.

Brush: sage.

June 7, 1913.

June 9, 1913. At 8 a. m. l.m.t. I set off 39° 30' on the lat. arc and 22° 56' N. on the decl. arc, and determine a meridian with the solar at cor. No. 9.

The original survey reports:

Thence N. 31° 02' W. 3723 ft. on 56.40 chs. to cor. No.10.

Cor. No. 10 is not visible from cor. No. 9.

Therefore I run

N. 31° 02' W. on a random line.

30.00 Foot of spur or ridge, impassable ledges; therefore I made offset as follows:

E. 5.00 chs. thence

N. 31° 02' W. 25.00 chs. thence

W. 5.00 chs. to point in random line 55.00 chs. from cor. No. 9.

Thence N. 31° 02' W.

57.05 Fall 143 lks. to the right of cor. No. 10.

Therefore I return to cor. No. 9 and run

N. 32° 28' W. on a true line.

Alongside of ridge, slightly ascending through brush.

17.40 Begin descent over end of ridge.

19.00 Foot of descent, 75 ft. below top, brs. E. and W., thence over level land.

20.00 Log cabin, brs. to right about 1 ch. dist.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

20.40 Trail Creek, water 5 lks. wide, 8 ins. deep, alkali, course E.

22.90 Log cabin in course of construction, brs. to right, about $1\frac{1}{2}$ chs. dist.

22.40 Old log cabin, brs. to left about 1 ch. dist.

30.00 Foot of steep spur, brs. NE. and SW., slopes NE., impassable ledges therefore offset as follows:

E. 5.00chs. over level land, thence

N. $32^{\circ} 28' W.$, 25.00 chs. over rolling land, thence

W. 5.00 chs. over rolling land to a point in line 55.00 chs. from cor. No. 9.

Thence I run N. $32^{\circ} 28' W.$ to

57.05 Cor. No. 10, which I find to be a sandstone in place, 14 ft. long, 10 ft. thick and 8 ft. above the ground, This is a very soft stone and find only slight indication of marks on N. face, but taking into consideration the type and markings of other cors. found in these surveys feel that I was justified in accepting this as the old cor., therefore at a point in line 4 lks. $N. 18^{\circ} 42' W.$ set an iron post for W. C., to cor. No. 10, with cap stamped

A P in W.
COR 10 No 445 in E.
W C 1913 in S.

Impracticable to take bearings. from cor. point, therefore from post.

A cross on sandstone in place, described above, brs. S. $17\frac{1}{2}$ E., 4 lks. dist., marked

B + O

A cross on SE. face of sandstone in place, 8 ft. long, 5 ft. thick, and 5 ft. above ground, brs. N. $58\frac{1}{2}^{\circ} W.$, 70 lks. dist., marked

B + O

Land: rough and broken.

Soil: stony, 3rd and 4th rate.

No timber.

Brush: sage.

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Survey of John McCook Allotment No. 278, New Roll 445.

On unsurveyed land.

Chains

Original survey reports:

Thence N. 17° 04' 20" W. 2837.2 ft. or 42.99 chs. to cor.
No. 1 place of beginning.

Cor. No. 1 in sight.

Therefore I run

N. 18° 42' W. on a true line.

Over rolling land at base of mountain through sage brush.

.70 Drain from canyon, course NE.

28.60 Mouth of canyon, course N. 60°E.

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

Land: gently rolling along base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

June 9, 1913.

General Description.

The land included in this allotment is level and gently rolling, while along the sides the mountains rise abruptly about 600 or 800 ft., with a little timber and considerable brush. The soil along the lines is stony while that included within the allotment is a dark sandy loam and considerable alkali:

About 3 acres has been cultivated sometime in the past, also about 5 acres has been used for hay land; the balance is used as pasture.

The cabins mentioned in the notes are occupied during the summer months by John McCook and other Indian followers. Other improvements are fencing all of which is off the place, a cross fence across Bitter Creek Canyon about 10.00 chs. N. of the N. line, one across Trail Creek Canyon about 3.00 chs. W. of cabins. These with a cross fence across Bitter Creek Canyon about 2 chs. S. of the S. end practically fence the place.

Francis E. Joy,

U. S. Surveyor.

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Unsurveyed Land.

Chains

Survey of Mary Wapinas Allotment Nos. 272 & 273, New Roll No. 388, and the Nachits Wapinas Allotment, New Roll No. 572, began June 11, 1913 and executed with a Young & Sons light mountain transit No. 8394 with solar attachment.

Instrument was examined and tested on meridian described in Survey of John McCook Allotment No. 445 at beginning of this book.

June 11, 1913. At 8 a. m. l.m.t. I set off $39^{\circ} 30'$ on the lat. arc, and $23^{\circ} 6'$ N. on the decl. arc and determine a meridian with the solar at cor. No. 1, which is identical with cor. No. 8 of the John McCook allotment marked and witnessed as heretofore described.

Thence I run

N. $0^{\circ} 45'$ W. on a true line, this line being the division line between the allotments of McCook and Wapinas.

Across Bitter Creek Valley.

5.46 Bitter Creek, 10 lks. wide, banks 5 ft., water 4 lks. wide, 4 ins. deep, alkali, course NW.

8.66 Dim road, brs. E. & W.

10.06 Cor. No. 2, which is identical with cor. No. 7 of the John McCook allotment, heretofore described.

Land: slopes gently to creek from both sides.

Soil: sandy, 2nd rate.

No timber.

Brush: sage.

The original survey reports:

Thence S. $63^{\circ} 30'$ E. 1650 ft. or 25.00 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run.

S. $65^{\circ} 25'$ E. on true line

Over gently rolling land through sage brush.

11.00 Rail fence, across canyon, brs. N. 15° E. and S. 15° W.

Blank

Page

On Unsurveyed Land.

Chains

- 25.30 Cor. No. 3, which is a sandstone in place, 15 ft. long, 12 ft. wide, and 7 ft. above ground, marked with a cross (+) on top, and COR 3 on S. face. No witnesses.
- To further perpetuate this cor., at a point in line 30 N. $65^{\circ} 25'$ W. lks. of cor. point, I set an iron post 30 ins. in the ground for W. C. to cor. No. 3, with cap stamped
- A P in N.
W C in E.
COR 3 No 388 572 1913 in S.
- Raise a mound of stone 3 ft. base, 2 ft. high W. of cor. in line.
- From cor. point
- A cross on sandstone in place, 10 ft. long, 7 ft. wide and 2 ft. above ground, brs. N. 36° W. 30 lks. dist., marked
- B + 0
- A cross on sandstone in place, 5 ft. wide, 4 ft. thick and 6 ft. above ground, brs, S. S. 36° W., 69 lks. dist., marked
- B + 0
- Land: rolling at base of mountain.
- Soil: 4th rate, stony.
- No timber.
- Brush: sage.
-
- Original survey reports:
- Thence S. 81° E., 2629 ft., or 39.83 chs. to cor. No. 4.
- Cor. No. 4 in sight.
- Therefore I run
- S. $81^{\circ} 37'$ E. on a true line
- Over rolling land through sage brush.
- 5.60 Drain, from canyon, course S.
- 13.30 Drain, from same canyon, course S.
- 21.50 Main drain, from same canyon, course S.
- 44.77 Cor. No. 4, which is a sandstone in place, 2 ft. thick, $2\frac{1}{2}$ ft. wide and 3 ft. above ground, marked with a cross (+) on top and COR 4 on S. face. No witnesses.

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Page

On Unsurveyed Land.

Chains

To further perpetuate this cor., at a point in line 7 lks.
N. $81^{\circ} 37'$ W.

^ of cor. point, I set an iron post 30 ins. in the
ground for W. C. to cor. No. 4, with cap stamped

A P in middle
W C in E.
COR 4 No 388 572 in SW.
1913 in S.

from cor. point.

A cedar 8 ins. diam., brs. N. $36\frac{1}{2}^{\circ}$ E., 29 lks. dist.,
marked

COR 4 B T

A pinon 7 ins. diam., brs. N. $1\frac{1}{2}^{\circ}$ W., 49 lks. dist.,
marked

COR 4 B T

Cor. at edge of timber.

Land: Rolling along base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

June 11, 1913. Heavy clouds prevented observation for
lat. at noon today.

Original survey reports:

Thence S. 53° E., 2200 ft. or 33.33 chs. to cor. No. 5.

Cor. No. 5 in sight; therefore I run

S. $53^{\circ} 47'$ E., on a true line

Along base of mountain through sage brush.

33.86 Cor. No. 5, which is a sandstone $18 \times 10 \times 4$ ins. lying in
the center of a small mound of stone, and marked COR 5.
No witnesses.

At the cor. point I set an iron post 30 ins. in the
ground for W.C. ^{for} ^ cor. No. 5, with cap stamped

A P in middle
COR 5 No 388 572 in SW.
W C 1913 in S.

Set cor. stone 16 ins. in ground ^{south and} ^ alongside post from which

A cross on sandstone in place, $7 \times 5 \times 4$ ft. above ground,
brs. N. $17\frac{1}{2}^{\circ}$ E., 150 lks. dist., marked

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Page

On Unsurveyed Land.

Chains

A cross on a flat sandstone in place, 5 ft. long, 3 ft. wide, 4 ins. above ground, brs. N. 34° W., 134 lks. dist., marked

B + O

An eagle's head in hieroglyphics on bluff, 60 ft. high, brs. N. 7° W., 200 lks. dist.

Land: gently rolling along base of mountain.

Soil: stony, 3rd and 4th rate.

No timber.

Brush: sage.

Original survey reports:

Thence 65° 30' E., 2865 ft. or 43.41 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. 66° 44' E. on a true line

Along base of mountain through sage brush.

6.00 Mouth of canyon, course S.

43.93 Cor. No. 6, which is a sandstone in place, 4 ft. long, 18 ins. thick and 2 ft. high, marked COR 6 on S. face and 6 at cor. point on top. No witnesses.

To further perpetuate this cor. at a point in line 5 lks. N. 66° 44' W.

^ I set an iron post 30 ins. in the ground for W. C.

to cor. No. 6, with cap stamped

A P in NE.
W C in SE.
COR 6 No 388 572 in SW.
1915 in S.

From true point.

A pinon 12 ins. diam., brs. N. 31½° W., 56 lks. dist., marked

COR 6 B T

A pinon 8 ins. diam., brs. N. 70¼° W., 56 lks. dist., marked

COR 6 B T

Cor. at edge of timber.

Land: rolling along base of mountain.

Soil: stony, 4th rate.

No timber. Sage brush.

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Page

On Unsurveyed Land.

Chains

Original survey reports:

Thence S. 50° 30' E., 1730 ft. or 26.21 chs. to cor. No. 7, also cor. No. 2 of the Minnie Witchits Allotment.

Cor. No. 7 in sight.

Therefore I run

S. 51° 24' E. on a true line

Along base of mountain through sage brush.

26.52 Cor. No. 7, identical with cor. No. 2 of the Minnie Witchits Allotment No. 475, which is a sandstone 24x14x4 ins. marked COR 7 on W. face and 2 on E. face.

Original survey reports:

Point of rocks, brs. N. 32° 30' W.

I obtain the following:

Perpendicular bluff at top of series of bluffs, about 50 ft. high, brs. N. 34° 36' W., about 20.00 chs. dist.

Original survey reports:

Peak at head of gulch, brs. S. 71° 30' E.

I obtain the following:

Peak at head of canyon, brs. S. 71° 15' E., about 2½ miles dist.

Original survey reports:

Cross on rocks, brs. N. 2° 35' E., 6 ft.

I obtain the following:

A cross on flat sandstone in place, 2 ft. long, 2 ft. wide and 10 ins. thick above ground, brs. N. 11¼° E., 10 lks. dist., which I mark B + O

To further perpetuate this cor., north of and alongside stone,

Set an iron post 30 ins. in the ground for W.C. for cor. No. 7 of this allotment and No. 2 of the Minnie Witchits Allotment, with cap stamped

A P in middle
COR 2 No 475 in SE.
COR 7 No 388 572 in SW.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

from which

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Page

On Unsurveyed Land.

Chains

A cedar 10 ins. diam., brs. N. 66° E., 42 lks. dist.,
marked

COR 7 - 2 B T

Land: gently rolling at base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

Original notes report:

Thence S. 1100 ft. or 16.67 chs. to cor. No. 8, which is
also Cor. No. 1 of the Minnie Witchits Allotment.

Cor. No. 8 in sight.

Therefore I run

S. 1° 30' E. on a true line between the Wapinas and
Minnie Witchits Allotments.

Over gently rolling land, open.

4.00 Dim road, Brs. E. and W.

15.10 Bitter Creek, 10 lks. wide, 2 ins. deep, alkali water,
course NW.

16.95 Cor. No. 8, also cor. No. 1 of the Minnie Witchits Allot-
ment, which is a sandstone 18x6x5 ins., 12 ins. in the
ground, marked COR 1 on E. and 8 on W. faces.

No witnesses.

To further perpetuate this cor., N. of and alongside, I
set an iron post 30 ins. in the ground for ^{W.C. to} cor. No. 8
and cor. No. 1, with cap stamped

COR 1 No 475 in E.
COR 8 No 388 572 in W.
A P W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: rolling.

Soil: sandy and stony, 2nd & 4th rate.

No timber.

June 11, 1913.

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Page

On Unsurveyed Land.

Chains	
	<p>June 12, 1913. At 8 a. m., l.m.t., I set off $39^{\circ} 29'$ on the lat. arc, and $23^{\circ} 10'$ N. on the decl. arc, and determine a meridian with the solar at Cor. No. 8.</p> <p>Original survey reports:</p> <p>Thence N. $62^{\circ} 9' 40''$ W., 11125 ft. or 168.60 chs. to cor. No. 1, place of beginning.</p> <p>Figuring my traverse line to this point, I obtain a course for random of N. $63^{\circ} 28'$ W.</p> <p>Therefore I run</p> <p>From cor. No. 8.</p> <p>N. $63^{\circ} 28'$ W. on random line.</p>
174.15	<p>Fall 20 lks. to the right of cor. No. 1 heretofore described.</p> <p>Returning to cor. No. 8, I run</p> <p>N. $63^{\circ} 34'$ W., on a true line</p> <p>Along base of mountain, through short brush.</p>
26.50	<p>Middle of ravine, 5.00 chs. wide, course N; ascend, brs. N. & S.</p>
35.00	<p>Top of ascent, 75 ft. high, slopes N. Descend.</p>
40.50	<p>Canyon 5.00 chs. wide, Course N. 20° E. Ascend.</p>
45.00	<p>Top of ascent, 100 ft. above Bitter Creek, thence along side hill.</p>
61.00	<p>Begin descent into canyon, brs. N. and S.</p>
69.00	<p>in canyon, Drain, course N. 20° W., thence over spur to</p>
76.00	<p>Drain, course N. 10° E; ascend along side hill.</p>
115.00	<p>Side hill drain, course N.</p>
128.00	<p>Top of ascent, about 200 ft. above Bitter Creek, slopes N.; descend along side hill to</p>
170.50	<p>Drain, course N.; thence over level land.</p>
171.75	<p>Rail fence across Bitter Creek canyon, brs. N. 20° E., and S. 20° W.</p>
174.15	<p>Cor. No. 1 of the Wapinas and No. 8 of the John McCook Allotments heretofore described.</p> <p>Land: mountainous.</p> <p>Soil, sandy and stony, 3rd rate.</p> <p>No timber.</p> <p>Brush: oak and sage.</p>

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Page

On Unsurveyed Land.

Chains

General Description.

The land included in this allotment lies along Bitter Creek Valley; the soil along the lines is very stony while a short distance in from the lines it is sandy and in places some alkali spots. However would produce crops if irrigated.

The surface for the most part is covered with sage brush, with the exception of about 20 acres which is overflowed by Bitter Creek and inclined to be hay land.

No settlers living on this land, and the only improvement is a cross fence at W. end of allotment.

Francis E. Joy,
U. S. Surveyor.

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BOOK A-383

FIELD NOTES

OF ~~THE SURVEY OF~~ THE

Supplemental Survey of

Mary and Nachits Wapinas' Allotments

Nos. 272 and 273

New Roll Nos. 388 and 572

Of the Salt Lake Base and Meridian,

the State of Utah (Uinta County).

EXECUTED BY

FRANCIS E. JOY

in the capacity of U. S. Surveyor, under instructions dated Feb. 24, 1915,
Commissioner of the General Land Office to A.F. Dunnington,
Surveyor in Charge of Indian Surveys, ~~United States Surveyor General to govern surveys included in~~
~~77-78~~, which were approved by the Commissioner of the General Land
Office, 1915, pursuant to authority contained in the Act of
Congress dated, 1915.

Survey commenced August 19, 1915

Survey completed August 19, 1915

Chains

Survey commenced August 19, 1915, by Francis E. Joy, U. S. Surveyor, and executed with a W. & L. E. Gurley Burt's Solar Compass.

To test the adjustments of this instrument I proceed as follows:

July 30, 1915. At my camp in Sec. 4, T. 25 N., R. 13 E., New Mexico, Lat. $36^{\circ} 26'$ N., Long. $105^{\circ} 37'$ W., I observe Polaris at 7h 10m 32s p.m., l.m.t., in accordance with instructions in the Manual, and mark the direction thus determined on a stake set firmly in the ground, 10.00 chs. N. of my instrument.

Time of obs'n, July 30, 1915, 7h 10m 32s p.m.

U.C. of Polaris corrected for
Long., July 30, 1915, 5h 01m 30s a.m.

Time elapsed since U.C., 14h 09m 02s

Subtract from 23h 56m 06s

Time argument 9h 47m 04s

Azimuth of Polaris at Obs'n $0^{\circ} 45 \frac{3}{4}'$ E.

July 31, 1915. At 7h 30m a.m., l.m.t., I lay off the azimuth $0^{\circ} 48 \frac{3}{4}'$ to the west and mark the meridian thus determined by driving a boat spike firmly in the ground, 10.00 chs. N. of my station.

August 12, 1915. At 7h 30m a.m., l.m.t., I set off $36^{\circ} 26'$ on the lat. arc, and $15^{\circ} 13'$ N. on the declination arc, and determine a meridian with the solar, finding the instrument in satisfactory adjustment by hourly tests during balance of day.

×
Under special instructions from the Commissioner of the General Land Office to A. F. Dunnington, Topographer in Charge of Indian Surveys, dated Feb. 24, 1915, it was directed that a division be made of the Mary and

Supplemental Survey of
Mary and Nachits Wapinas' allotments Nos. 272 and 273,
New Roll Nos. 388 and 572.

Chains

Nachits Wapinas allotment in Uintah Co., Utah, as surveyed by me June 12, 1913.

I return to said allotment and on

Aug. 19, 1915. At 8 a.m., l.m.t., I set off 39° 30' on the lat. arc, and 13° 01' N. on the decl. arc, and determine a meridian with the solar, at Cor. No.5 of said allotment, and run

S. 1° 12' E. on division line bet. said allotments. Over slightly descending land, through sage brush.

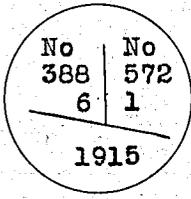
2.50 Wagon road, brs. N. 60° W. and S. 60° E.

14.30 Bitter Creek, 10 lks. wide, 3 ft. banks, water alkali, 5 lks. wide, general course N. 60° W.

Foot of descent; ascend gradually.

20.36 Intersect the south boundary of the original allotment at a point from which Cor. No. 1 brs. N. 63° 34' W., 106.02 chs., and Cor. No. 8, brs. S. 63° 34' E., 68.13 chs. dist.

At point of intersection, I set an iron post 36 ins. long, 1 inch dia., filled with cement and fitted with brass cap, 26 ins. in the ground, stamped on cap



Raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.

(Cor. at N. edge of mountain).

Land, rolling.
Soil, sandy and gravelly, 2nd rate.
No timber.
Brush sage.



I now return to original corners Nos. 1, 2, 3 and 4, and destroy marks relating to allotment No. 572; original

Chains

Cor. No. 5 I mark for Cor. No. 5, allotment No. 388,
 Mary Wapinas, and Cor. No. 2, allotment No. 572,
 Nachits Wapinas; original Cors. 6, 7 and 8 (destroy-
 ing marks relating to Allotment 388) I change to Cors.
 3, 4 and 5, for Allotment No. 572.

August 19, 1915.

TABLING AND CALCULATIONS OF Mary Wapinas' Allotment
 No. 272, New Roll No. 388.

Course	Distance	Latitudes		Departures	
		North	South	East	West
N. 0° 45' W.	10.06	10.06			.13
S. 65° 25' E.	25.30		10.53	23.01	
S. 81° 37' E.	44.77		6.53	44.29	
S. 53° 47' E.	33.86		20.01	27.32	
S. 1° 12' E.	20.36		20.35	.43	
N. 63° 34' W.	106.02	47.19			94.93
		57.25	57.42	95.05	95.06

171.01 Acres.

TABLING AND CALCULATIONS OF Nachits Wapinas' Allotment
 No. 273, New Roll No. 572.

Course	Distance	Latitudes		Departures	
		North	South	East	West
N. 1° 12' W.	20.36	20.35			.43
S. 66° 44' E.	43.93		17.35	40.36	
S. 51° 24' E.	26.52		16.55	20.73	
S. 1° 30' E.	16.95		16.94	.44	
N. 63° 34' W.	68.13	30.33			61.01
		50.68	50.84	61.53	61.44

127.93 Acres.

August 25, 1915. I again test the instrument on meri-
 dian hereinbefore described, and find adjustments sat-
 isfactory.

Francis E. Joy,
 U. S. Surveyor.

Denver, Colorado, Mar. 6 - 1916

I hereby certify that the supplemental survey of Mary and Nachits Wapinas' Allotments Nos. 272 and 273, New Roll Nos. 388 and 572, Uinta County, Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with instructions dated Feb. 24, 1915, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Dunnington

Topographer in Charge of
Indian Surveys.

FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office by A.F. Dunnington, Topographer in Charge of Indian Surveys bearing date of the 24th day of February, 1915, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Mary and Nachits Wapinas' allotments Nos. 272 and 273, New Roll Nos. 388 and 572 (Supplemental Survey)

of the Salt Lake Base & Meridian, in the State of Utah (Uinta Co.), which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me } this 6th day of March, 1916.

Wilbur F. Stone United States Commissioner

Wilbur F. Stone United States Commissioner District of Colorado for Colorado.

APPROVAL.

OFFICE OF THE COMMISSIONER OF THE GENERAL LAND OFFICE OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Washington, D.C., Oct 24, 1916

The foregoing field notes of the supplemental survey of Mary and Nachits Wapinas' allotments Nos. 272 and 273, New Roll Nos. 388 and 572, Uinta County, Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington, Topographer in Charge of Indian Surveys, under his special instructions dated Feb. 24, 1915, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) C. M. Bruce Acting Commissioner of the General Land Office

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

C. M. Bruce U. S. Surveyor General Acting Commissioner of the General Land Office

Survey of Minnie Witchits Allotment No. 271, New Roll No. 475.

On Unsurveyed Land.

Chains

Survey of Minnie Witchits Allotment No. 271, New Roll No. 475; begun June 12, 1913 and executed with a Young & Sons light mountain transit No. 8394 with solar attachment. Instrument was examined and tested on meridian as described in Survey of John McCook Allotment No. 445 at beginning of this book.

June 12, 1913. At 1:30 P. M. l.m.t. I set off 39° 29' on the lat. arc and 23° 10' N. on the decl. arc, and determine a true meridian with the solar at cor. No. 2, which is identical with cor. No. 7 of the Wapinas allotment heretofore described. The line from cor. No. 1 to cor. No. 2 of this allotment being identical with the line from cor. No. 7 to cor. No. 8 of the Wapinas survey heretofore described, I begin this survey at cor. No. 2.

Original survey reports:

Thence S. 76° 36' E., 2600 ft. or 39.39 chs. to cor. No.3.

Cor. No. 3 in sight.

Therefore I run

S. 78° 7' E. on a true line

Over rolling land through sage brush.

3.00 Drain from canyon, course SW.

57.89 Cor. No. 3, which is a sandstone 20x16x3 ins., marked

COR 3 on S. face, and set 15 ins. in the ground.

No witnesses.

To further perpetuate this cor. N. and alongside I set an iron post 30 ins. in the ground for W. C. Cor. NO. 3, with cap stamped

A P in N.

Cor 3 No 475 W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line W. of cor.

Land: rolling along base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

Original notes report:

Thence S. 65° 30' E., 2625 ft. or 39.77 chs. to cor. No. 4.

Cor. No. 4 in sight.

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Page

Survey of Minnie Wichits Allotment No. 271, New Roll No. 475.

On Unsurveyed Land.

Chains

Therefore I run
S. 66° 50' E on a true line
Alongside hill through sage brush.
15.00 Mouth of canyon, course S. 4 chs. wide.
39.91 Cor. No. 4 which is identical with cor. No. 2, Waratza
Allotment, a sandstone 16x14x4 ins., marked COR 4 on S.
and 2 on E. face and set 10 ins. in the ground.
No witnesses.
To further perpetuate this cor., N. and alongside I set an
iron post 30 ins. in the ground for W. C. to cor. No. 4,
with cap stamped

A P in N.
COR 2 No 570 in E.
COR 4 No 475 in W.
W C 1913 in S.

From which
A cross on flat sandstone in place, 3x2 ft., brs. N. 38° E.
25 lks. dist., marked

B + O

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.
From cor. a corral brs. about 5.00 chs. SW.
Land: rolling along base of mountain.
Soil: stony, 4th rate.
No timber.
Brush: sage.

Original survey reports:
Thence S. 1250 ft. or 18.94 chs. to cor. No. 5.
Cor. No. 5 in sight.
Therefore I run
S. 1° 25' E. on a true line between Wichits and Waratza
Allotments.
Across Bitter Creek Valley.
4.00 Fence, brs. N. 20 E. and S. 20 W.
8.70 Dim road, brs. E. & W.
17.60 Bitter Creek, 10 lks. wide, water 3 ins. deep, alkali,
course W.

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Page

Survey of Minnie Wichits Allotment No. 271, New Roll No. 475.

On Unsurveyed Land.

Chains

18.90 Cor. No. 5, which is identical with cor. No. 1 of the Waratza Allotment, and is a sandstone in place, 16x12x10 ins. above ground, marked COR 5 on W. part of top and 1 on E. part of top.

No witnesses.

To further perpetuate this cor., N. and alongside I set an iron post, 30 ins. in the ground for W. C. to cor. No. 5 of the Wichits Allotment and cor. No. 1 of the Waratza Allotment, with cap stamped

COR 5 No 475 in NW.
COR 1 No 570 in NE.
A P W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: gently rolling.

Soil: sandy, 2nd rate.

No timber.

Brush: sage.

June 12, 1913.

June 13, 1913. At 8 a. m. l.m.t. I set off $39^{\circ} 29'$ on the lat. arc and $23^{\circ} 14'$ N. on the decl. arc and determine a meridian with the solar at cor. No. 5, which is identical with cor. No. 1 of the Waratza Allotment.

Original survey reports:

Thence N. $69^{\circ} 25' 30''$ W. 5251.8ft. or 79.57 chs. to cor. No. 1.

I figure a random course from my traverse line and obtain a bearing N. $72^{\circ} 25'$ W. to cor. No. 1.

Therefore I run

N. $72^{\circ} 25'$ W. on a random line.

97.86 Fall 3 lks. to the left of cor. No. 1, heretofore described.

Returning to cor. No. 5,

Thence I run

N. $72^{\circ} 24'$ W. on a true line on north edge of mountain through brush.

11.00 Middle of canyon 5.00 chs. wide, course N. 20° W. Thence along hillside.

Blank

Page

On Unsurveyed Land.

Chains

55.00 Middle of canyon, 4 chs. wide, course N.

97.86 Cor. No. 1 of the Wichits allotment and cor. No. 8 of the Wapinas allotments heretofore described.

Land: mountain side hill.

Soil: sandy & stony, 3d rate.

No timber.

Brush: oak and sage.

June 13, 1913.

General Description.

This allotment lies in the valley of Bitter Creek, the side lines holding along the edge of the mountains on either side of the creek.

About half of the place could be farmed, however its best value at the present time is for grazing.

The soil is stony and sandy along the lines becoming heavier and darker nearer the creek.

No settlers living on the allotment although indications of Indian tepees near the E. end, and no improvements excepting a cross fence.

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TABLING AND CALCULATIONS OF *Marine Hatchery* *U.S. Fish Commission* *211, Newhall St.* *BOOK A-383*

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			NORTH	SOUTH	EAST	WEST			
020 1.62	N. 1° 30' W.	16.95	16.94			44 -	44	745	
" 2.423	S. 78° 7' E.	57.59	119.2	52.63		+ 537.5		6645.4	
" 3.764	S. 66° 50' E.	59.91	157.8	36.65		+ 149.5		2340.9	
" 4.765	S. 1° 25' E.	15.90	22.5	4.5		+ 186.17		3518.61	
" 5.761	N. 73° 34' W.	97.96	22.19	33.5		+ 93.1	2176.11		
			46.53	46.51	73.78	437.2	2760.11	6530.69	
			46.52	46.52	93.95	737.5		2760.11	
								23770.58	
								101885.29	

18853 *area*

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Page

On Unsurveyed Land.

Chains

Survey of the Waratza Allotment No. 266, New Roll No. 570 begun June 13, 1913 and executed with a Young & Sons light mountain transit No. 8394, with solar attachment.

Instrument examined and tested on meridian as described in survey of John McCook Allotment at beginning of this book.

June 13, 1913. At 1:30 p. m. l.m.t. I set off $39^{\circ} 29'$ on the lat. arc and $23^{\circ} 14'$ N. on the decl. arc and determine a meridian with the solar at cor. No. 2, which is identical with cor. No. 4 of the Minnie Witchits allotment.

The line from cor. No. 1 to No. 2 of this allotment is identical with the line from cor. No. 4 to cor. No. 5 of the Minnie Witchits survey heretofore described; therefore I begin survey at cor. No. 2.

Original survey reports:

Thence S. $65^{\circ} 30'$ E. 850 ft. or 12.88 chs. to cor. No. 3.

Cor. No. 3. is not in sight.

Therefore I run

S. $65^{\circ} 30'$ E. on a random line.

13.00 Fall 27 lks. to right of cor. No. 3.

Returning to cor. No. 2.

I run

S. $66^{\circ} 42'$ E. on a true line.

Ascending from cor. through sage brush.

2.00 Top of spur, 50 ft. above cor., thence along side of hill to

13.00 Cor. No. 3, which is a sandstone $18 \times 12 \times 3$ ins. marked

COR 3, and set 12 pound of stone.

No witnesses.

To further perpetuate this corner, N. and alongside I set an iron post 30 ins. in the ground, ^{and} in a mound of stone for W. C. to cor. No. 3, with cap stamped

A P in N.
COR 3 No 570 W C 1913 in S.

from which

A cedar 30 ins. diam., brs. N. $\frac{1}{4}^{\circ}$ E. 106 lks. dist., marked

COR 3 B T

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Survey of Waratza Allotment No. 268, New Roll No. 570.

On Unsurveyed Land.

Chains

A cross on sandstone in place, 5x6x3½ ft. above ground,
brs. N. 87° W., 51 lks. dist., marked

B + O

Land: rough and broken at base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

Original survey reports:

Thence S. 44° 50' E., 1050 ft. or 15.91 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 45° 58' E. on a true line

Over broken land through sage brush.

6.65 Main drain from mouth of canyon, course S. 20° W.; gradu-
ally ascend to

16.00 Cor. No. 4, which is a sandstone in place, 3 ft. long, 10
ins. thick and 2 ft. above ground, marked COR 4 on E.
face. No witnesses.

To further perpetuate this cor., at a point in line 4 lks.
N. 45° 58' W.

A of true point, I set an iron post 30 ins. in ground
for W. C. to cor. No. 4, with cap stamped

A P in N.
W C in SE.
COR 4 No 570 in W.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line
NW. of post.

A pole corral brs. NE. 1¼ chs. dist. from cor.

Land: rough and broken.

Soil: stony, 4th rate.

No timber.

Brush: sage.

Original survey reports:

Thence S. 72° 40' E. 650 ft. or 9.85 chs. to cor. No. 5.

Cor. No. 5 in sight.

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Survey of Waratza Allotment No. 266, New Roll No. 570.

On Unsurveyed Land.

Chains

To further perpetuate this cor. N. and alongside I set an iron post 30 ins. in the ground for W. C. cor. No. 6, with cap stamped

COR 6 No 570 in NW.
A P W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line N. of cor.

Land: rough.

Soil: sandy & gravelly, 2nd & 3rd rate.

No timber.

Brush: sage & buffalo berry.

Original survey reports:

Thence N. 75° 47' W., 2201.68 ft. or 33.35 chs. to cor. No. 1, place of beginning.

Figuring my traverse line to this point I obtain a bearing for random line of N. 76° 04' W. to cor. No. 1.

Therefore I run

N. 76° 04' W. on a random line.

33.30 Fall 2 lks. to right of cor. No. 1.

Returning to cor. No. 6 I run

N. 76° 06' W. on a true line

Along base of mountain through brush.

33.30 Cor. No. 1, which is identical with cor. No. 5 of the Witchits allotment heretofore described.

Land: rough mountain side.

Soil: gravelly, 3rd rate.

No timber.

Brush: oak and buffalo berry.

At this time I return to cor. No. 5 of the Waratza allotment and run to a cor. supposedly on the Colorado and Utah State line.

From cor. No. 5, Waratza allotment

S. 82° 50' E., 53.66 chs.

N. 77½° E., 18.12 chs. to a sandstone in place 2½ ft. high, 2½ ft. wide and 3 ft. long in steep side hill sloping S.

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Page

On Unsurveyed Land.

Chains

and about 4.00 chs. N. of Bitter Creek.

The stone in marked C on S. face and U on W. face, marks look very old and as if marked years back. A mound of stone on top of rock 3 ft. base and 2½ ft. high; also 2 lks. S. of this cor. I find a sandstone 6x2x10 ins. above ground marked ¼ S. on N. face, and C C on W. face. Inasmuch as I could not identify the cors. for sure I asked a ranchman, W. L. Lee, living about ½ mile east of here in Colorado. He said the ½ cor. was at end of line through middle of sec. 24, T. 6 S., R. 105 W.; however, this does not signify anything definite inasmuch as the records of the G. L. O. show that T. 6 S., R. 104 W. closes on the state line.

General Description.

This allotment lies along Bitter Creek about ¾ of a mile W. of the Colorado and Utah State line, and at a place where the valley along the creek narrows down to almost a point.

The soil along the lines is sandy and gravelly, filled with stone, while along the creek a good sandy loam is found.

A few Indians stay here during the summer months and graze a few goats on the surrounding mountain sides.

About 2/3 of the area might be farmed if irrigated. However the only visible efforts at cultivation is a small garden. The spring mentioned between cors. 4 and 5 is free from alkali and the best water found along Bitter Creek for several miles on the Utah side of the state line.

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Survey of Sam Archoe Allotment No. 265, New Roll No. 580.

On Unsurveyed Land.

Chains

Survey of the Sam Archoe allotment No. 265, New Roll No. 580 on unsurveyed lands on Bitter Creek in SE. portion of Uintah Co., Utah, about 18 miles SW. of Dragon. "Atchie Spring", a prominent landmark in this vicinity, is on this land and about 4 miles N. of John McCook allotment.

Survey begun June 16, 1913 and executed with a Young & Sons light mountain transit No. 8394, with solar attachment.

Instrument examined and tested on the meridian described in the John McCook allotment at beginning of this book. Approximate lat. $39^{\circ} 35'$, long. $109^{\circ} 11' W.$

June 16, 1913. Failing to find any trace of cor. No. 1, therefore at cor. No. 8 at 8 a. m. l.m.t. I set off $39^{\circ} 35'$ on the lat. arc and $23^{\circ} 22' N.$ on the decl. arc, and determine a meridian at the cor. No. 8 hereinafter described.

Original survey reports; from cor. No. 8,

Thence N. $19^{\circ} 30' W.$ 2438.8. ft. or 36.94 chs. to cor. No. 1, thence N. $12^{\circ} 30' E.$ 4400 ft. or 66.66 chs. to cor. No. 2.

Therefore I run

N. $19^{\circ} 30' W.$ on a random line.

36.94 Set temp. cor. No. 1.

Thence

N. $12^{\circ} 30' E.$ on a random line.

66.66 To a point from which cor. No. 2 brs. N. $58^{\circ} 48' W.$ 2.10 chs. dist.

Therefore true point for cor. No. 1 is

$\frac{3694}{10360}$ of $\frac{210}{10360}$ or N. $58^{\circ} 48' W.$ 74.8 lks., at which point I

Set an iron post 30 ins. in the ground ^{and} in a mound of stone for cor. No. 1, with cap stamped

A P in W.

COR 1 No 580 in E.

1913 in S.

From which a cross on a sandstone in place 20 ft. long, 10 ft. high and 10 ft. wide brs. S. $23^{\circ} E.$, 12 lks. dist., marked B + O.

Raise a mound of stone 3 ft. base 2 ft. high in line S. of cor.

Cor. No. 2 in sight.

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Page

On Unsurveyed Land.

Chains

Therefore I run

N. 11° 25' E. on a true line

Over rolling land through sage brush.

.08 Drain from canyon, course W.

18.60 Pole fence across canyon, brs. N. 70 W. & S. 70 E.

37.15 Bitter creek, 10 lks. wide, 4 ins. deep, alkali water,
course N. 20° W.

39.20 Bridle trail, brs. N. 20° W. & S. 20° E.

67.09 Cor. No. 2, which is a sandstone 24x16x2 marked COR 2 and
set in a mound of stone. No witnesses.

To further perpetuate this cor. N. and alongside I set an
iron post 30 ins. in the ground for W. C. to cor. No. 1,
with cap stamped

A P in N.
COR 2 No 580 in SW.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line S.
of cor.

Cor. on side of hill about 75 ft. above creek.

Land: rolling

Soil: sandy & stony, 2nd & 3rd rate.

No timber.

Brush: sage and greasewood.

Original survey reports:

Thence S. 20° E., 1350 ft. or 20.46 chs. to cor. No. 3.

Cor, No. 3 in sight.

Therefore I run

S. 20° 50' E. on a true line

Over rolling land through sage brush and greasewood.

15.80 Drain from canyon, course W.

20.80 Cor. No. 3, which is a sandstone in place, 4x2 $\frac{1}{2}$ x2 ft.
above ground, marked COR 3. No witnesses.

To further perpetuate this cor. at a point in line 5 lks.
N. 20° 50' W.
of cor., I set an iron post 30 ins. in the ground for
W. C. to cor. No. 3, with cap stamped

COR 3 No 580 in W.
A P in E.
W C 1913 in S.

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Page

On Unsurveyed Land.

Chains	
	<p>Raise a mound of stone 3 ft. base, 2 ft. high in line N. of post.</p> <p>Land: rolling.</p> <p>Soil: gravelly, 3rd rate.</p> <p>No timber.</p> <p>Brush: Sage and greasewood.</p> <p>June 16, 1913. At this cor. I set off 23° 22' N. on the decl. arc and at 12 h. l.m.t. observe the sun on the meridian; the resulting lat. is 39° 35'.</p> <hr/> <p>Original survey reports:</p> <p>Thence S. 8° 45' W. 2225 ft. or 33.71 chs. to cor. No. 4.</p> <p>Cor. No. 4 in sight.</p> <p>Therefore I run</p> <p>S. 8° 07' W. on a true line</p> <p>Over rolling land along base of mountain.</p>
10.10	Road from Bitter Creek to Dragon, brs. N. 20° E., & S. 20° W.
18.00	Same road, brs. N. 20° W. & S. 20° E.
20.70	Same road, brs. N. 30° E. & S. 30° W.
32.60	Pole fence across canyon, brs. N. 70° W. & S. 70° E.
34.03	<p>Cor. No. 4, which is identical with Bitter Creek Location Monument No. 3, and is a sandstone in place, 12 ft. long, 10 ft. high on lower side and 6 ft. wide, marked with a cross (+), fig. 4 above cross and below cross</p> <p>B C L M 3.</p> <p>Original survey reports:</p> <p>Sugar loaf shaped mountain, brs. S. 45½° W.</p> <p>I obtain the following:</p> <p>Round topped mountain, brs. S. 46° 10' W. about ¼ mile dist.</p> <p>Original survey reports:</p> <p>Points of rocks, brs. N. 29° E. and N. 5½° W.</p> <p>I obtain the following:</p> <p>A perpendicular bluff about 60 ft. high, brs. N. 28° E. about ¼ mile dist. and face of bluffs brs. N. 8½° W. about 1 mile dist.</p>

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Page

On Unsurveyed Land.

Chains

Original survey reports:

"Atchies" Spring, brs. N. 4° 10' E., 490 ft. or 7.36 chs.

I obtain the following:

Atchies Spring, brs. N. 3° 48' E., 7.44 chs. dist.,
drains NW., excellent spring and noted landmark in this
vicinity.

To further perpetuate this cor. at a point in line 15 lks.
N. 8° 07' E.

^ I set an iron post 30 ins. in the ground for W. C.

to cor. No. 4 and B C L M 3, with cap stamped

COR 4 No 580 in W.
B C L M No 3 A P in E.
W C 1913 in S.

From true point.

ins. diam. brs.
Pinon 10^{ins. diam.} N. 83^{brs.}° E., 73 lks. dist.

Marked B C L M 3 and COR 4 B T

Cedar 12^{ins. diam.} S. 53^{brs.}° E., 62 lks. dist.

Marked B C L M 3 COR 4 B T

Cor. on side of hill about 50 ft. above Bitter Creek.

Land: rolling.

Soil: gravelly & stony, 3rd rate.

No timber.

Brush: sage.

Original survey reports:

Thence S. 7° 10' E., 235 ft. or 3.56 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 8° 28' E. on a true line

Over stony land along base of mountain.

3.60 Cor. No. 5, which is a sandstone 2½x2x3 ft. high above
the ground marked COR 5 on S. face. No witnesses.

To further perpetuate this cor. at a point in line 11 lks.
N. 8° 28' W.

^ I set an iron post 30 ins. in the ground in a mound
of stone for W. C. to cor. No. 5, with cap stamped

COR 5 No 580 in W.
A P in E.
W C 1913 in S.

From true point.

Blank

Page

On Unsurveyed Land.

Chains

A cross on a sandstone ledge 4 ft. high, brs. N. $78\frac{1}{2}^{\circ}$ E.,
22 lks. dist., marked

B + 0

A cross on a sandstone in place, 4x3x2 ft. above ground,
brs. S. $53\frac{1}{2}^{\circ}$ W., 15 lks. dist., marked

B + 0

Raise a mound of stone 3 ft. base, 2 ft. high in line N.
of cor.

Land: rough.

Soil: stony, 4th rate.

No timber, nor brush.

Original survey reports:

Thence S. $75^{\circ} 30'$ E., 2325 ft. or 35.23 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. $76^{\circ} 10'$ E. on a true line

Over nearly level land through sage brush and greasewood.

6.00 A small log cabin, brs. right about $1\frac{1}{2}$ chs. dist.

26.40 Drain in Rat Hole Canyon, 4 lks. wide, water 3 ins. deep,
course W.

34.00 Leave level land, ascend, brs. E. and W.

35.97 Cor. No. 6, which is a sandstone, 20x14x2 ins. marked

COR 6, small mound of stone around cor. No witnesses.

To further perpetuate this cor., N. and alongside I set an

iron post, 30 ins. in the ground ^{and} in a mound of stone for

W. C. to cor. No. 6, with cap stamped

COR 6 No 580 in W.

A P in E.

W C 1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, NW. in
line.

This cor. is on top of spur or hogback, brs. E. and W.

Land: level.

Soil: sandy & gravelly, 2nd & 3rd rate.

No timber.

Brush: sage and greasewood.

June 16, 1913.

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Page

Survey of Sam Arhee Allotment No. 265, New Roll No. 580.

On Unsurveyed Land.

Chains	
	<p>June 17, 1913. At 8 a. m. 1.m.t. I set off 39° 35' on the lat. arc and 23° 24' N. on the decl. arc and determine a meridian at Cor. No. 6.</p>
	<p>Original survey reports: Thence S. 75° 15' W., 2200 ft. or 33.33 chs. to cor. No. 7. Therefore I run S. 75° 15' W. on a random line.</p>
33.33	<p>Find no trace of cor. No. 7; set temp. cor. Original survey reports: Thence S. 13° 20' W., 1800 ft. or 27.27 chs. to cor. No. 8. Therefore I continue S. 13° 20' W. on a random line.</p>
27.27	<p>From this point, cor. No. 8 brs. S. 14° 42' E., 83 lks. dist. Therefore the true point for cor. No. 7 is <u>3333</u> of 83 or S. 14° 42' E., 45.6 lks. from temp. cor. No. 7. 6060 Returning to cor. No. 6 I run S. 74° 29' W. on a true line Descending over end of small ridge..</p>
3.30	<p>Foot of descent, brs. N. and SE., thence over level land at base of mountain, through sage brush.</p>
28.50	<p>Pole corral, brs. to left, 30 lks. dist.</p>
33.33	<p>Set an iron post 30 ins. in ground for cor. No. 7, with cap stamped</p>
	<p>COR 7 No 580 in W. A P in E. 1913 in S.</p>
	<p>from which A cross on a sandstone ledge 15 ft. high, brs. S. 55½° E., 33 lks. dist., marked</p>
	<p>B + O</p>
	<p>A cross on a sandstone in place, 6 ft. long, 3 ft. wide, and 4 ft. high above the ground, brs. S. 7½° E., 46 lks. dist., marked</p>
	<p>B + O</p>

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Page

On Unsurveyed Land.

Chains

Raise a mound of stone, 3 ft. base, 2 ft. high, in line E. of post.

Land: level and rolling.

Soil: sandy, 2nd rate.

No timber.

Brush: sage and greasewood.

Cor. stands on rocky point about 10 ft. above valley.

Thence

S. 12° 59' W. on a true line

Across Bitter Creek bottom lands.

8.95 Road, hrs. N. & S.

9.25 Enter marsh, hrs. N. and SW.

15.45 Leave marsh, hrs. NW. and SE., thence over open land.

22.55 Bitter Creek, 6 lks. wide, water 4 ins. deep, alkali, course N. 20° W.

26.35 Base of mountain, hrs. N. 20° W. and S. 20° E.; ascend 20 ft. to

27.55 Cor. No. 8, which is a sandstone in place, 4 ft. high, 3 ft. wide, 2 ft. thick above ground, marked COR 8 on N. face. No witnesses.

To further perpetuate this cor. at 7 lks. ^{N. 20° 13' W.} of cor. I set an iron post 30 ins. in the ground for W. C. to cor. No. 8, with cap stamped

COR 8 No 580 in N.
A P W C 1913 in S.

from true point.

A cross on a sandstone in place, 6 ft. long, 4 ft. wide, 2 ft. thick above the ground, hrs. S. 39½° W., 54 lks. dist., marked

B + 0

A cross on a sandstone in place, 4 x 4 ft. x 18 ins. thick above the ground, hrs. N. 54½° W., 91 lks. dist., marked

B + 0

Land: level
Soil: sandy, 2nd rate.
No timber.

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Page

On Unsurveyed Land.

Chains

Thence

N. 20° 13' W. on a true line.

Over rough ground near base of mountain through sage brush.

.07 The W.C. for cor. No. 8.

37.53 Cor. No. 1, the place of beginning heretofore described.

Land: rough, base of mountain.

Soil: stony, 4th rate.

No timber.

Brush: sage.

General Description.

This allotment lies along Bitter Creek and in the junction of Rat Hole Canyon with Bitter Creek. About 60 acres is nearly level and suitable for farming. The balance is inclined to be rolling or on points of stony spurs and ridges, covered with sage brush and greasewood.

The soil on the level land is a dark sandy loam with more or less alkali, while that on the rolling land is gravelly and in places very stony. On the south side of Rat Hole Canyon a small field is planted to alfalfa but the crop is uncertain because of overflows caused by heavy rains at head of canyon.

A small band of Indians, headed by Sam Archee (or "Atchie") live in tepees here during the summer months, and graze about 50 or 75 head of cattle along Bitter Creek and side of canyons.

June 17, 1913.

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TABLING AND CALCULATIONS OF *Samuel Archer Alton* No. 265, *New York* No. 580.

No.	COURSE	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Cor 1 to 2	N. 11° 25' E.	67.09	65.79 65.76		13.27 X 3.28		+ 13.27		
" 2 to 3	S. 20° 50' E.	20.80		19.43 X 4.44 33.67 33.68	7.40		+ 33.93	6592.6	8730.3
" 3 to 4	S. 8° 7' W.	34.03			4.80		+ 36.52	12296.3	
" 4 to 5	S. 8° 28' E.	3.60		3.56	53 34.93		+ 32.25	1148.1	
" 5 to 6	S. 76° 10' E.	35.97		8.61	34.86		+ 67.71	5829.8	
" 6 to 7	S. 74° 29' W.	33.33		8.92 26.83		32.14 38.20	+ 70.50	6288.6	
" 7 to 8	S. 12° 59' W.	27.55		26.85		6.49 17.98	+ 32.16	8635.0	
" 8 to 1	N. 20° 13' W.	37.53	35.23 35.22			12.98	+ 12.98		4572.9
			X 0.098 1.0102	X 0.097 1.0102	56.87 56.12			4079.04	13303.2
								13303.2	
								2748.72	
								101374.36	
								13744	acres.

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Page

On Unsurveyed Land.

Chains

Survey of the Mock-atose allotment No. 274, New Roll No. 573 in the southern part of Uintah Co., Utah, situated at the forks of South Canyon with Sweet Water Creek. The forks and the spring referred to in the following notes as Mock-atose spring are known landmarks in this vicinity, and about 8 miles W. of the John McCook Allotment on Bitter Creek.

Survey begun June 18, 1913 and executed with a Young & Sons light mountain transit No. 8394, with solar attachment. Examined and tested as described in notes for survey of John McCook allotment at beginning of this book.

June 18, 1913. I set off $23^{\circ} 25'$ N. on the decl. arc and at 12 h. 1 m. l.m.t. observe the sun on the meridian, The resulting lat. is $39^{\circ} 30'$ at the Sweet Water Location Monument No. 1, hereinafter described.

Sweetwater Location Monument No. 1 is a sloping sandstone in place, 10 ft. long, 6 ft. wide, nearly flush with the ground on W. side of Sweetwater Creek and at the point of the ridge between Sweetwater and South Canyons. The stone is marked at S. edge, S W L M 1; also a cross (+) from which

Original survey reports:

Cliff of rocks, brs. N. $43^{\circ} 30'$ W.

I obtain the following:

A cliff of rocks on spur, brs. N. $42^{\circ} 20'$ W. about 20.00 chs. dist.

Original survey reports:

Point of rocks, brs. N. $0^{\circ} 30'$ E.

I obtain the following:

Cliff of rocks on spur, brs. N. $0^{\circ} 30'$ W. about $\frac{1}{2}$ mile dist.

Original survey reports:

Point of rocks, brs. S. 79° W.

I obtain the following:

Cliff on spur brs. S. $79^{\circ} 20'$ W. about $\frac{1}{2}$ mile dist.

Original survey reports:

Center of springs, brs. N. $50^{\circ} 15'$ W., 13.5 ft. or 20 lks.

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Page

On Unsurveyed Land.

Chains

The springs are breaking out farther up Sweetwater Creek according to a settler living in South Canyon.

I obtain the following:

The W. end of Mock-atose Spring brs. N. 27° W., 34 lks. dist. and extends about 75 ft. along the banks of the creek.

Original survey reports:

Cor. No. 2, brs. S. $81^{\circ} 30'$ W., 282 ft. or 4.27 chs.

I obtain the following:

Cor. No. 2, brs. S. $81^{\circ} 12'$ W., 428 lks. dist.

As a matter of convenience on the ground I begin my survey at cor. No. 2.

June 18, 1913. At 1:30 p.m., l.m.t. I set off $39^{\circ} 30'$ on the lat. arc and $23^{\circ} 25'$ N. on the decl. arc and determine a meridian with the solar at cor. No. 2, which is a sandstone $16 \times 10 \times 4$ ins., marked COR 2, set loosely in small mound of stone. No witnesses.

To further perpetuate this cor. N. and alongside I set an iron post for W. C. to cor. No. 2, with cap stamped

COR 2 No 573 in NE.
A P in W.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line E. of cor.

Original survey reports: from cor. No. 1:

Thence S. $84^{\circ} 30'$ W., 910 ft. or 13.79 chs. to cor. No. 2.

Cor. No. 1 in sight.

Therefore I run

N. $83^{\circ} 38'$ E. on a true line

Over level land through sage brush in mouth of South Canyon.

1.20 Drain from South canyon, course N. 60° E.

4.70 Point of ridge slopes N.

6.10 Sweetwater creek (dry), 30 lks. wide, banks 15 ft., course N. 60° W. from S. General course N.

8.80 Trail, brs. N. and S.

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Page

Survey of Mock-atose Allotment No. 274, New Roll No. 573.

On Unsurveyed Land.

Chains

13.80 Cor. No. 1 on face of bluff about 40 ft. high, marked about 4 ft. above ground COR 1. No witnesses.
To further perpetuate this cor. at a point in line 6 lks. W. of cor. I set an iron post in the ground for W.C. to cor. No. 1, with cap stamped
COR 1 No 573 in NW.
A P W C in E.
1913 in S.
Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of post.

Land, rolling.
Soil, 2nd & 4th rate; sandy and stony.
No timber.
Brush, sage.

Original survey reports, from true point for cor. No. 4:
Thence S. 5° 30' E., 2873 ft. or 43.53 chs. to cor. No.1.
I find it is impracticable to run line on reported bearing from cor. No. 1, because of bluffs and steep mountain side; therefore from a point 4.25 chs. S. 83° 38' W. of cor. No. 1, I run a random line N. 5° 30' W., 43.53 chs. Finding the W.C. to cor. No. 4, reported to be S. 84° 30' W., 425 lks. dist. from true point, I flag the W.C. and return to the point on S. bdy., as noted S. 83° 38' W., 4.25 chs. of cor. No. 1.

Flag at W.C. to cor. No. 4 in sight.

Therefore I run
N. 6° 25' W. on true line parallel to E. bdy. of allotment, at base of mountain through heavy sage brush.

3.50 Fence from bank on Sweetwater Creek to Rock Bluff and corral, brs. E. and W.

Corral, brs. E. 15 lks. dist.

43.00 The W.C. to cor. No. 4, which is a sandstone, 20 ft. long, 15 ft. high, 10 ft. thick, detached from ledge about 20 ft. high, and marked on W. face COR 4 and W.C. above it. An unsuccessful attempt had been made to obliterate these markings, but they were still plain.
I restore original markings.

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Page

On Unsurveyed Land.

Chains

West and alongside

Set an iron post for W. C. to cor. No. 4, with cap stamped

A P W C in E.
COR 4 No 573 in SW.
1913 in E.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Land: mountainous and broken.

Soil: stony, 4th rate along mountain side.

Timber: on mountain side, pinon.

Brush: dense sage in valley.

Original survey reports, from cor. No. 3:

Thence N. 84° 30' E., 629 ft. or 9.53 chs. to W. C. to cor. No. 4.

Therefore I run

S. 84° 30' W. on a random line, measuring from W. C. to cor. No. 4.

9.53 Make diligent search for cor. No. 3. Failing to find any trace of same and inasmuch as the original survey reports parallel lines to the 4 sides of this allotment, I return to W. C. to cor. No. 4, and run

Parallel to S. bdy. of allotment or

S. 83° 38' W. on a true line, measurement counted from true point for cor. No. 4.

Across Sweetwater canyon through dense sage brush.

4.25 The W.C. to cor. No. 4.

8.65 Sweetwater creek, 40 lks. wide, banks 15 ft. high, water 4 lks. wide, 4 ins. deep, course N.

9.25 Dime road, brs. N. & S.

11.25 Base of mountain, brs. N. and S.; ascend.

13.80 The point for cor. No. 3 falls in ledges. Impossible to set post, therefore at a point in line N. 83° 38' E. of cor. point, 164 lks. dist.,

I set an iron post 30 ins. in the ground for W. C. to cor. No. 3, with cap stamped

A P W C in W.
COR 3 No 573 in SE.
1913 in S.

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Page

Survey of Mock-atose Allotment No. 274, New Roll No. 573.

On Unsurveyed Land.

Chains

Raise a mound of stone S. of cor. to represent line from that direction.

Land: rolling.

Soil: sandy & stony, 2nd & 4th rate.

Timber: on mountain sides, pinon.

Brush: dense sage.

Impracticable to carry line from the true point for cor. No. 3 to cor. No. 1, therefore from the W. C. which is N. 83° 38' E., 164 lks. of true point for cor. No. 3, I run

S. 6° 25' E. on offset line, through dense sage brush.

38.50 At this point I offset S. 83° 38' W., 164 lks. to a point in line between cors. No. 2 and 3, at base of mountain on N. side of South Canyon, thence

S. 6° 25' E. on true line across South Canyon.

41.90 Dim road, brs. NE. and SW.

43.00 Cor. No. 2, heretofore described.

Land: rough and broken.

Soil: 2nd rate; sandy; along mountain side, stony, 4th rate.

Brush: sage.

General Description.

This allotment lies in a narrow valley or canyon, about 1/3 on the mountain sides which rise abruptly about 800 ft. on either side from Sweetwater Creek. The soil along the creek and at the mouth of South Canyon is a dark sandy loam, and very rich judging from the sage brush growing along the lower land. Probably would not stand cultivation because of washing which is indicated by the fact that Sweetwater Creek has cut a channel about 15 ft. deep through the entire length of the allotment. The only value I can see to the place is the spring near the south edge, providing water for stock that might be grazed along Sweetwater Creek and side canyons.

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Page

Survey of Mock-atose Allotment No. 274, New Roll No. 573.

On Unsurveyed Land.

The improvements consist of a corral and pole fence at S. end near spring.

No indication of occupation at any time by Indians.

June 18, 1913.

Volume

#

R0383

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S. In calculations of bearings have been used to nearest hundredth. In calculations of N. and S. areas drop an after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

BOOK A-383
 TABLES AND CALCULATIONS OF *Mitchell's* *W. B. Bell* *no. 274* *conveyed* *Acad.*

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			NORTH	SOUTH	EAST	WEST			
1	N. 53° 38' E.	1350	1530		13715	+	13715	20984	
"	N. 6° 25' W.	4300	42731		4866	+	22624	966716	
"	S. 83° 38' W.	1350		1530	13715	+	4103		6278
"	S. 6° 15' E.	4300		42731	4866	-	4306	205365	
			44261	44261	15521	18521		1193095	6278
								<u>6278</u>	
								2/1156877	
								10/59340	

5934 acres.

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On Unsurveyed Land.

Survey of the Poo-wooy (Jimmy McCook) allotment No. 279, New Roll No. 449, in the southern part of Uintah Co., Utah, situated on Sweetwater Creek, at the junction of Pe-ah canyon and Sweetwater canyon. A spring known as the Jimmy McCook Spring and the canyons mentioned above are prominent landmarks in this vicinity. The Staniford Bros. Ranch lies adjacent on the N.

Survey begun June 19, 1913, and executed with a Young & Sons light mountain transit No. 8394 with solar attachment. Examined and tested on meridian as described in survey of John McCook allotment at beginning of this book.

June 19, 1913. At cor. No. 2, I set off 23° 26' N. on the decl. arc and at 12 h. 1 m. p.m. l.m.t. I observe the sun on the meridian. The resulting lat. is 39° 35'.

June 19, 1913. At 1:30 p. m. l.m.t. I set off 39° 35' on the lat. arc and 23° 26' N. on the decl. arc, and determine a meridian with the solar at cor. No. 1, which is Douglas fir, 12 ins. diam., blazed on W. face.

No witnesses.

To further perpetuate this corn. in line on W. side of tree,

Set an iron post 30 ins. in ground in a mound of stone for W. C. to cor. No. 1, with cap stamped

COR 1 No 449 in SW.
A P W C in E.
1913 in S.

from which

A Douglas fir 14 ins. ^{brs.} S. 84° E., 51 lks. ^{dist.} marked COR 1 B T.

A Douglas fir 8 ins. ^{brs.} S. 21° E., 43 lks. ^{dist.} marked COR 1 B T.

Original survey reports:

Thence N. 73° W., 665 ft. or 10.07 chs. to cor. No. 2.

Cor. No. 2 in sight, therefore I run

N. 74° 20' W. on a true line

Across level bottom land through sage brush and greasewood.

2.40 Trail, brs. N. 25° E. and S. 25° W.

3.00 Sweetwater Creek, 3 lks. wide, water 4 ins. deep, course N. 25° E.

8.40 Dim road, Mrs. N. 25° E. and S. 25° W.

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Page

On Unsurveyed Land.

Chains

10.12

Cor. No. 2, which is identical with Sweetwater Location Monument No. 2 and is a cross (+) on top of flat sandstone 10 ft. long, 3 ft. wide and 8 ft. above ground, marked S W L M 2 and COR 2.

Original survey reports:

Point of rocks, brs. N. 11° E.

I obtain the following:

Point of rocks, brs. N. 14½° E., about ¾ mile dist.

Original survey reports:

Point of rocks, brs. S. 21° 30' W.

I obtain the following:

A ledge 30 ft. high, brs. S. 20° 30' W. about 15.00 chs. dist.

Original survey reports:

Point of rocks, brs. S. 22° 30' E.

I obtain the following:

A ledge near the top of the spur, brs. S. 24° E., about 30 chs. dist.

Original survey reports:

Cross on face of cliff, brs. N. 57° 30' W., 21.5 ft. or 32 lks. dist.

I obtain

A cross on face of sandstone ledge 10 ft. high and under overhanging rock, brs. N. 55° 50' W., 33 lks. dist.

I remark

B + O

To further perpetuate this cor.

I set an iron post on cross and build a firm mound of stone around post to top, with cap stamped

S W L M No 2 A P in N.

COR 2 No 449 in SE.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line S. of cor.

Impracticable to place mound E. of cor.

Land: level.

Soil: sandy loam, 2nd rate.

No timber.

Brush: sage and greasewood.

Blank

Page

Survey of Jimmy McCook Allotment No. 279, New Roll No. 449.

On Unsurveyed Land.

Chains

Original survey reports.

Thence S. 13° 30' W. 1625 ft. or 25.62 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. 12° 23' W. on a true line

Over nearly level land through

Sage brush and across Pe-ah Canyon. General course of canyon, NE.

9.00 Drain, from Pe-ah Canyon, course E.

10.00 Pole corral to left about 1 ch. dist.

11.60 Point of spur between Sweetwater and Pe-ah canyons, thence along base of mountain.

12.20 Jimmy McCook Spring to left, 10 lks. dist., excellent water, flows E.

19.00 Dim road, brs. N. 20° E. and S. 20° W.

23.20 Same road, brs. N. 15° W. and S. 15° E.

25.14 Cor. No. 3, which is a sandstone in place, 10 ft. long, 3 ft. wide and 2 ft. high above ground, marked COR 3 on top at N. end. No witnesses.

To further perpetuate this cor.

I set an iron post in line ^{N. 12° 23' E.} 3 lks. [^] of cor. for W. C. to cor. No. 3, with cap stamped

A P in W.
COR 3. No 449 in E.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line N. of post.

Land: rolling.

Soil: stony, 4th rate.

No timber.

Brush: sage and greasewood.

Original survey reports:

Thence S. 28° 10' E., 1855 ft. or 28.10 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 29° 32' E on a true line

Blank

Page

On Unsurveyed Land.

Chains	
	Along base of mountain, through brush.
6.40	Dim road, brs. N. 15° W. and S. 15° E.
10.20	Same road, brs. N. 40° W. and S. 40° E.
12.20	Mouth of canyon, course NE. from SW.
28.55	Cor. No. 4, which is a flat sandstone in place 7x10 ft.x18
	ins. above ground, marked COR 4, lying in edge of meadow;
	stone very soft and marks nearly extinct. I remark stone.
	No witnesses.
	To further perpetuate this cor., at a point in line 7 lks.
	N. of cor. point
	I set an iron post 30 ins. in the ground for W. C. to cor.
	No. 4, with cap stamped
	A P in W. 1913 in S. COR 4 No 449 W C in E.
	Raise a mound of stone 3 ft. base, 2 ft. high over marks on top of cor.
	Land: nearly level at base of mountain.
	Soil: stony, 3rd & 4th rate.
	No timber.
	Brush: sage.

	Original survey reports:
	Thence S. 8° W., 1960 ft. or 29.70 chs. to cor. No. 5.
	Cor. No. 5 in sight.
	Therefore I run
	S. 6° 42' W. on a true line
	Along base of mountain through sage brush.
14.80	Cor. No. 5, on a sandstone ledge 20 ft. high, 40 ft. long,
	12 ft. wide, marked COR 5 on N. end. No witnesses.
	To further perpetuate this cor.
	I set an iron post 30 ins. in the ground ^{and} in a mound of
	stone directly under the marks for W. C. to cor. No. 5,
	with cap stamped
	A P in W. COR 5 No 449 in NE. W C 1913 in S.
	Raise a mound of stone 3 ft. base, 2 ft. high on top of ledge directly over marks.

Blank

Page

On Unsurveyed Land.

Chains

Land: rough.

Soil: stony, 4th rate.

No timber.

Brush: sage.

June 19, 1913.

Original survey reports:

Thence S. 87° E., 440 ft. or 6.67 chs. to cor. No. 6.

June 20, 1913. At 8 a. m. I set off 39° 35' on the lat. arc and 23° 28' N. on the decl. arc and determine a meridian with the solar at cor. No. 5.

Cor. No. 6 in sight.

Therefore I run

S. 87° 45' E. on a true line

Across Sweetwater Canyon through sage brush.

2.20 Dim road, hrs. N. and S.

2.50 Sweetwater Creek, 40 lks. wide, banks 12 ft., water 3 lks. wide, 2 ins. deep, course N.

6.73 Cor. No. 6, which is a sandstone in place 5x3x2 ft. marked on top COR 6. This cor. is a lone stone about 75 lks. from base of mountain. No witnesses.

To further perpetuate this cor. at a point in line 6 lks. W. of cor. point

I set an iron post for W. C., with cap stamped

COR 6 No 449 in NW.

A P W C in E.

1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high over marks on stone in order to make cor. more easily found.

Land: level.

Soil: sandy loam, 2nd rate.

No timber.

Brush: very dense sage.

Original survey reports:

Thence N. 14° E., 585 ft. or 8.86 chs. to cor. No. 7.

Cor. No. 7 in sight.

Therefore I run

N. 12° 15' E. on a true line

Overrolling land through dense sage brush.

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Page

On Unsurveyed Land.

Chains

9.03 Cor. No. 7 on face of a sandstone bluff or spur about 20 ft. high, marked COR 7 on SW. face about 4 ft. above the ground. No witnesses.

To further perpetuate this cor. at a point in line 3 lks. S. 12° 15' W. of cor. point

Set an iron post for W.C. to cor. No. 7, with cap stamped

W C in N.
A P in E.
COR 7 No 449 in W.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of iron post.

Land, rolling.

Soil, sandy, 2d rate.

No timber.

Brush, dense sage.

Original survey reports:

Thence N. 2° 11' W., 4423.2 ft. or 67.01 chs. to cor.

No. 1, place of beginning.

A line on this cor. would cross over a high rocky impassable spur.

Therefore I run as follows:

N. 22° W., 29.25 chs.

Along base of mountain, scattering brush.

N. 24½° W., 6.10 chs., end of spur from mountain.

N. 17¼° E., 2.90 chs.

N. 21° 42' E., 18.48 chs. to cor. No. 1, heretofore described.

The true course from cor. No. 7 to cor. No. 1, figures from traverse

N. 6° 17' W., 52.93 chs.

Land, rough and mountainous.
Soil, stony, 4th rate.
No timber.

Brush, scattering sage.

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Page

On Unsurveyed Land.

General Description.

This allotment lies along a narrow valley on Sweetwater Creek, the side lines following the base of the mountains which are very abrupt and broken rising about 800 ft. above the valley of the creek.

The soil in the valley is a dark sandy loam while along the edge of the mountains it is very stony and covered with a dense growth of sage brush and greasewood. The valley is open grass land, slightly marshy, used at present for grazing, but would make very good farming land.

No improvements on the place, with the exception of a corral; however a cross fence near S. line, and about 10.00 chs. N. of N. bdy., practically fences the allotment, with the exception of Pe-ah Canyon.

The spring on this place, locally known as the Jimmy McCook Spring, is one of the best in this part of the country.

June 20, 1913.

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3. In calculations of bearings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

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January 22nd Creek. Allotment no. 219, New York, no. 449

No.	COURSE	DISTANCE	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
Cor 1 to 2	N. 74° 20' W.	101.2	273	2451		975	-		
" 2 to 3	S. 12° 23' W.	251.4		2480 2484	1405	884 884	-	6103.0	266.2
" 3 to 4	S. 29° 32' E.	285.5		2484 1468	2484 2484		-	4030.0	
" 4 to 5	S. 6° 42' W.	148.0		2470 26	671	173	-	576.9	
" 5 to 6	S. 87° 45' E.	67.3	883		672 192		+	105	27
" 6 to 7	N. 12° 15' E.	90.3	882				+	968	
" 7 to 1	(N. 22° W.	292.5	271.2		1096				
	(N. 24° 30' W.	61.0	55.5		253				
" 1 to 2	(N. 17° 15' E.	290	277		86				
	(N. 21° 42' E.	184.8	171.7		683				
" 2 to 1	(N. 6° 17' W.)	(529.3)	528.6				+	305.60	
			448.6	648.5	227.8	580		1762.0-6	
			642.5	642.5	226.8			268.9	
								2143.517	268.9
								10717.58	
								717.6	acres.

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On Unsurveyed Land.

Survey of the To-nuts Allotment No. 275, New Roll No. 473 on unsurveyed lands on Bitter Creek in SE. portion of Uintah Co., Utah, situated about 5 miles below the Sam Atohie Spring, 1 mile below Bitter Creek Lake and about 5 miles above the junction of Sweetwater and Bitter Creeks, easily located because it is the first grassy bottom below the lake.

Survey begun June 23, 1913, and was executed with a Young & Sons light mountain transit No. 8394 with solar attachment.

Instrument examined and tested on the meridian described in the survey of the John McCook Allotment, at the beginning of this book.

June 23, 1913. I set off $23^{\circ} 27'$ N. on the decl. arc and at 12 h. 2 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is $39^{\circ} 38'$ at the Bitter Creek Location Monument No. 2, which is a cross (+) on a sandstone ledge 20 ft. long, 12 ft. wide on top, and about 40 ft. above the creek bottom, marked B C L M 2 near the cross, and a mound of stone 3 ft. base, 2 ft. high, over the cross.

Original survey reports:

A cedar 12 ins. diam., brs.

N. $81^{\circ} 50'$ W., 8.2 ft. or 12 lks. dist., with which I agree, and mark tree

B C L M 2 B T

Original survey reports:

Point of rocks, brs.

S. 48° E.

I obtain the following:

A point of rocks, brs.

S. $45\frac{1}{2}^{\circ}$ E. about 15.00 chs. dist.

Original survey reports:

A point of rocks, brs.

S. $30^{\circ} 10'$ E.

I obtain the following:

A point of rocks, brs.

S. $29^{\circ} 50'$ E., about $\frac{3}{4}$ mile dist.

Original survey reports:

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Page

On Unsurveyed Land.

Chains

A point of rocks, brs.

N. 12° 30' W.

I obtain the following:

A point of rocks, brs.

S. 10° W., about $\frac{1}{2}$ mile dist.

Original survey reports:

From cor. No. 1, Bitter Creek Location Monument, brs.

S. 7° 45' E., 130 ft. or 198 lks.

From Bitter Creek Location Monument, I find Cor. No. 1 brs.

N. 8° 15' E., 188 lks. dist.

June 23, 1913. At 2 p.m. l.m.t. I set off at 39° 38' on the lat. arc and at 23° 27' N. on the decl. arc and determine a meridian with the solar at cor. No. 1, which is a sloping sandstone in place, 10x10x4 ft. at base of hill, marked with a cross (+) at the lower edge of the stone, and above the cross, marked COR 1. No witnesses.

To further perpetuate this cor., adjacent to the cross

Set an iron post 30 ins. in the ground for W. C. to cor. No. 1, with cap stamped

A P in W.
COR 1 No 473 in E.
W C 1913 in S.

From which

A cross on a sandstone in place, 8x4x3 ft., brs.

S. 13 $\frac{1}{2}$ ° E., 55 lks. dist, marked

B + O

A cross on a sandstone in place, 10x4 ft.x20 ins. above ground, brs.

S. 37° W., 48 lks. dist., marked

B + O.

Original survey reports:

Thence N. 52° 10' W., 3220 ft. or 48.78 chs. to cor. No. 2.

Thence I run

N. 52° 10' W. on a random line.

Falls 83 lks. to the right of cor. No. 2.

Returning to cor. No. 1, I run

Blank

Page

Survey of To-nuts Allotment No. 275, New Roll No. 473.

On Unsurveyed Land.

Chains

N. 53° 6' W. on a true line

Alongside hill, through scattering brush.

50.98 Cor. No. 2, which is a sandstone 24x12x4 ins. marked
COR 2, set loosely in a small mound of stone. No
witnesses.

To further perpetuate this cor., I reset stone 18 ins. in
the ground, and N. and alongside,

Set an iron post for W. C. to cor. No. 1, with cap stamped

A P in W.
COR 2 No 473 in E.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line
SE. of cor.

Land: rough mountainside.

Soil: stony, 4th rate.

No timber.

Brush: sage.

Cor. about 10 ft. above Bitter Creek bottom.

Original survey reports:

Thence N. 750 ft. or 11.37 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

N. 0° 30' W. on a true line,

Across Bitter Creek bottom; marshy.

11.42 Cor. No. 3, which is a sandstone out crop, about 2 ft.

thick, bearing E. and W., marked COR 3. No witnesses.

To further perpetuate this cor., adjacent to cor. in line
on S. side

Set an iron post 30 ins. in the ground in a mound of stone
for W. C. to cor. No. 3, with cap stamped

W C A P in N.
COR 3 No 473 in SE.
1913 in S.

From cor.

A pinon 6 ins., brs. N. 8 $\frac{1}{2}$ ° W., 14 lks. dist., marked
COR 3 B T

A pinon 14 ins. diam., brs. N. 72° E., 66 lks. dist.,
marked COR 3 B T

Land: level.

Soil: Black loam, 1st rate; marshy.

No timber.

Cor. about 5 ft. above Bitter Creek Valley.

Blank

Page

On Unsurveyed Land.

Chains

Original survey reports:

Thence S. 52° 10' E., 4220 ft. or 63.93 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 53° 20' E. on a true line,

Along base of mountain at edge of marsh.

15.00 Enter marsh at edge, brs. nearly with line.

39.00 Leave marsh, brs. nearly along line and SW., thence
through greasewood.

45.00 Mouth of canyon, course W.

65.28 Cor. No. 4, which is a sandstone in place, 20x10x8 ft.
marked COR 4 on lower edge, near ground; marks nearly
obliterated; I remark. No witnesses.

To further perpetuate this cor., at a point adjacent to
cor.,

Set an iron post for W. C., with cap stamped

COR 4 No 473 in W.
A P W C in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NW. of cor.

Land: level and rolling.

Soil: loam & gravelly, 2nd and 4th rate.

No timber.

Brush: greasewood.

June 23, 1913.

June 24, 1913. At 8 a.m. l.m.t. I set of at 39° 38' on
the lat. arc and at 23° 28' N. on the decl. arc and
determine a meridian with the solar at cor. No. 4.

Original survey reports:

Thence S. 5° 30' W., 1375 ft. or 20.84 chs. to cor. No. 5.

Therefore I run

S. 5° 30' W. on a random line.

22.30 Falls 118 lks. to the right of cor, No. 5.

Returning to cor. No. 4, I run

S. 2° 28' W. on a true line

Over rough broken land on mountain side.

Blank

Page

Survey of To-nuts Allotment No. 275, New Roll No. 473.

On Unsurveyed Land.

Chains

22.30 Cor. No. 5, which is on SW. face of ledge (sandstone),
25 ft. high, marked about 3 ft. above the ground, COR 5.
No witnesses.

To further perpetuate this cor., adjacent to the ledge on
W.,

Set an iron post 30 ins. in the ground in a mound of stone
for W. C. to cor. No. 5, with cap stamped

COR 5 No 473 in W.
A P W C in E.
1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, in line
SW. of cor.

Land: mountainous.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence S. 20° W., 1125 ft. or 17.05 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. 19° 35' on a true line

Across Bitter Creek Valley, through dense greasewood.

3.40 Bitter Creek, 3 lks. wide, water alkali, 4 ins. deep,
course N. 10° W.

17.06 Cor. No. 6, which is a sandstone in place, 4x4x5 ft. high,
marked COR 6 on E. face. No witnesses.

To further perpetuate this cor., at a point

N. and alongside the stone

Set an iron post 30 ins. in the ground for W. C. to cor.

No. 6., with cap stamped

COR 6 No 473 in N.
W C in W.
A P 1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, in line
NE. of post.

Land: nearly level.
Soil: gravelly, 2nd & 3rd rate.
No timber.
Brush: greasewood.

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Page

Survey of To-nuts Allotment No. 275, New Roll No. 473.

On Unsurveyed Land.

Chains

Original survey reports:

Thence N. 44° W., 1220 ft. or 18.48 chs. to cor. No. 7.

Cor. No. 7 in sight.

Therefore I run

N. 44° 45' W. on a true line

Along base of the mountain, through dense greasewood.

14.60 Drain from canyon, course E.

19.00 Cor. No. 7, which is a hard white quartz rock in place,

6x3x3½ ft. marked COR 7 at S. end. No witnesses.

To further perpetuate this cor., in line at base of stone,

Set an iron post for W. C. to cor. No. 7, with cap stamped

W C in N.
A P in W.
COR 7 No 473 in E.
1913 in S.

From cor.

A pinon, 7 ins. ^{in diam.,} brs. S. 29½° W., 49 lks. dist.,
Marked COR 7 B T
A cedar, 9 ins. ^{in diam.,} brs. S. 81½° W., 70 lks. dist.,
Marked COR 7 B T

Land: slightly rolling at base of mountain.

Soil: stony & gravelly, 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence ? 22° 8' 10" E., 1524 ft. or 23.09 chs. to cor. No. 1.

Therefore I run

N. 22° 8' E. on a random line.

23.41 Falls 36 lks. to the right of cor. No. 1

Returning to cor. No. 7, I run

N. 21° 15' E., on a true line

Over rough, broken mountain side, through a few scattering
trees, near cor. No. 7.

23.41 Cor. No. 1 heretofore described at place of beginning.

Land: mountainous.

Soil: stony, 4th rate.

Timber: pinon near cor. No. 7.

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Page

Survey of To-nuts Allotment No. 275, New Roll No. 473.

On Unsurveyed Land.

General Description.

This allotment lies in a narrow valley along Bitter Creek from which the mountains rise abruptly on either side very rough and broken. The place covers a piece of low marshy land, and has the appearance of having been a lake bed in time past.

The soil is a black sandy loam, very rich, and if properly drained, should produce excellent crops. The base of the mountains and along the lines of the allotment is very stony and of very little value for anything.

No indications of settlement of any kind.

June 24, 1913.

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Page

R. In calculations of fallings take result to nearest hundredth. In calculations of S. and N. areas drop all after second decimal. Computations are subject to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF

Leconte's Lake Survey, New York, 1822-1823

BOOK A-383

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	S. AREA	N. AREA
			North	South	East	West			
1	N. 53° 6' W.	509.5	336.1		407.4			124664	
2	N. 0° 30' W.	1102	1102		0			93153	
3	S. 53° 20' E.	652.5		309.5					49417
4	S. 2° 25' W.	323.0		22.8					24876
5	S. 19° 35' W.	172.6		16.7					4897
6	N. 44° 45' W.	170.0	130.9						18547
7	N. 21° 15' E.	230.1	213.2						315554
			773.4	773.3	609.4	609.4	114055		
			773.3		609.0	609.0			
								21201499	
								101100749	
								100.75	acres.

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Page

Survey of "Dutchman" Lower Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

Survey commenced June 30, 1913, and executed with a Young & Sons light mountain transit No. 8394, with solar attachment.

Adjustments of the transit examined and errors corrected; then to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours with a meridian determined by observations on Polaris I proceed as follows:

About 10.00 chs. SW. of Sulphur Springs Location Monument and about $\frac{1}{2}$ mile SE. of cor. of secs. 13, 18, 19 and 24, Tp. 12 S., Rgs. 20 and 21 E., lat. $39^{\circ} 46'$ N., long. $109^{\circ} 38'$ W.

At 1 h. 1 m. a.m. l.m.t. I observe Polaris at eastern elongation in accordance with instructions in in the Manual of Surveys, and mark the direction thus determined by driving a tack in a wooden plug set firmly in the ground 8.00 chs. N. of my station.

At 7 a. m. l.m.t. I lay off the azimuth of Polaris $1^{\circ} 31'$ to the west and mark the meridian thus determined by driving a tack in a wooden plug west of the point marked during the night.

At 8 a.m. l.m.t. I set off $39^{\circ} 46'$ on the lat. arc, and $23^{\circ} 15'$ N. on the decl. arc, and determine a meridian with the solar at the azimuth station noted above. Adjustments of solar satisfactory; however I check the instrument each hour until 4 o'clock during the day.

June 30, 1913.

Note: Inasmuch as the original surveys did not describe what the corners consisted of, I found it necessary to make a random survey of ~~xxxxx~~ 3 or 4 of the allotments before I was satisfied to accept the cors. as hereinafter described. Finding that the cors. were practically all small mounds of stone I had to accept them as the cors. noted in the original survey.

X
July 1, 1913. At 8 a.m. l.m.t., I set off at $39^{\circ} 46'$ on the lat. arc, and at $23^{\circ} 9'$ N. on the decl. arc, and determine a meridian with the solar at the Sulphur Springs Location Monument and is identical with cor. No. 1 of the "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, and is a sandstone $36 \times 8 \times 6$ ins., marked S S L M 7-4-98, lying on the ground, but the place it had occupied was marked by a shallow hole in the ground, with a small mound of stone surrounding it.

To further perpetuate this cor., I reset the same stone, and N. and alongside

Set an iron post in the ground in a mound of stone and earth for W. C. to cor. No. 1, and Sulphur Springs

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Page

On Unsurveyed Land.

Location Monument, with cap stamped

COR 1 No 567 in NW.
S S L M A P in E.
W C 1913 in S.

Original survey reports:

Peak on divide between Hill and Willow Creeks, brs.

S. 44° 40' W.

I obtain the following:

N. end of a flat top mountain, brs.

S. 44° 40' W. about 3 miles dist.

Original survey reports:

Peak on divide line between Hill and Willow Creeks, brs.

N. 29° 30' W.

I obtain the following:

A rock on mountain between Hill and Willow Creeks, brs.

N. 28° 10' W. about $\frac{1}{2}$ mile dist.

Original survey reports:

A mountain peak, brs.

N. 78° 30' E.

I obtain the following:

A monument of stone on cone-shaped mountain, brs.

N. 78° 05' E. about $\frac{1}{2}$ mile dist.

Original survey reports:

NW. cor. of rock house, brs.

S. 6° 30' E., 41.5 ft. or 63 lks.

I obtain the same.

Original survey reports:

Sulphur Springs, brs.

S. 86° 10' W., 61 ft. or 92 lks. dist.

I obtain the same.

I also build a mound of stone 3 ft. base, 2 ft. high in

Line N. of cor.

Original survey reports:

Thence W. 1800 ft. or 27.27 chs. to cor. No. 2.

Cor. No. 2 in sight.

Therefore I run

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Page

Survey of "Dutchman" Lower Ranch Allotment No. 254,
New Roll No. 567.
On Unsurveyed Land.

Chains	<p>N. 89° 35' W. on a true line Across Willow Creek Valley.</p> <p>.90 Road, hrs. N. and S. about 20 ft. below cor., thence over level bottom land, through greasewood.</p> <p>5.50 Drain, from Sulphur Springs, 3 lks. wide, course NW.</p> <p>14.20 Willow Creek banks 6 ft. high, 20 lks. wide, water 10 lks. wide, 1 ft. deep, course N. 20° W.</p> <p>27.66 Cor. No. 2, which is a small mound of stone. No witnesses. To further perpetuate this cor. at center of old mound, Set an iron post 30 ins. in the ground ^{and} in a mound of stone for cor. No. 2, with cap stamped</p> <p style="text-align: center;">A P in W. COR 2 No 567 in NE. 1913 in S.</p> <p>Raise a mound of stone 3 ft. base, 2 ft. high on line E. of cor.</p> <p>Land: level. Soil: block sandy loam, 2nd rate. No timber. Brush: greasewood.</p> <p>-----</p> <p>Original survey reports:</p> <p>Thence N. 4° 10' W., 2370 ft. or 35.91 chs. to cor. No. 3. Cor. No. 3 in sight.</p> <p>Therefore I run N. 4° 03' W. on a true line Along edge of valley, through greasewood.</p> <p>19.00 Road, hrs. E and W.; general course, NE. and SW.</p> <p>34.20 Agency draw, course E. Also road in bottom of draw, hrs. E. and W.</p> <p>36.43 Cor. No. 3, which is a small stone mound of stone on point of ridge about 30 ft. above the valley. No witnesses. This cor. is identical with cor. No. 2 of Wah-ru-va-gute place. To further perpetuate this cor. in the center of the old mound</p> <p>Set an iron post 30 ins. in the ground in a mound of stone, with cap stamped</p> <p style="text-align: center;">COR 2 No 328 in NE. COR 3 No 567 in SE. A P in W. 1913 in S.</p>
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Page

Survey of "Dutchman" Lower Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

Chains

Raise a mound of stone 3 ft. base, 2 ft. high, in line
S. of cor.

Land: rolling.
Soil: stony and gravelly, 3rd rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence N. 71° 30' E., 1140 ft. or 17.28 chs. to cor. No. 4.

This line is identical with line reported S. 71° 30' W.,
1640 ft. or 24.85 chs. from cor. No. 1 to cor. No. 2 of
the Wah-ru-va-guts place.

Cor. No. 4 in sight.

Therefore I run

N. 72° 54' E. on a true line

Across Willow Creek Valley. Descend to

1.50 Road, brs. N. and S., about 30 ft. below cor., thence over
level land through greasewood.

12.40 Dry wash from Agency Draw, 40 lks. wide, course N. 60° E.

15.30 Willow Creek, water 10 lks. wide, 1 ft. deep, course N.

18.50 Road, brs. N. and S.

24.70 Cor. No. 4, which is identical with cor. No. 1 of the
Wah-ru-va-guts Allotment and is a small stake in a small
mound of stone. No marks or witnesses.

To further perpetuate this cor. in the center of the old
mound

Set an iron post for cor. No. 4 and cor. No. 1, with cap
stamped

A P in E.
COR 1 No 328 in NW.
COR 4 No 567 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Land: level.
Soil: sandy and gravelly, 2nd and 3rd rate.
No timber,
Brush: greasewood.

Original survey reports:

Thence S. 8° 13' 30" E., 2914.2ft. or 44.15 chs. dist.

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Page

Survey of "Dutchman" Lower Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

Chains

I run on a figured course

S. 8° 24' E. on a random line

44.23 Falls 5 lks. to right of cor. No. 1.

Therefore I return to cor. No. 4 and run

S. 8° 28' E. on a true line,

Over rolling land through greasewood.

5.00 Leave greasewood, hrs. NE. and SW., and ascend barren
hillside.

23.30 Top of ascent slopes W., thence along side of hill.

36.30 Descend along side of the hill to

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

Land: mountainous.

Soil: stony, 4th rate.

No timber.

Brush: 5.00 chs. greasewood.

July 1, 1913.

General description at end of Sat-to-poo-qua-a-cut
Allotment.

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On Unsurveyed Land.

Survey of Ter-a-wig-it (Geo. Washington) Allotment No. 257, New Roll No. 384, on unsurveyed lands, approximately in secs. 19 and 30, T. 12 S., R. 21 E.

July 5, 1913. At 8 a.m. l.m.t., I set off 39° 46' on the lat. arc, and 22° 50' N. on the decl. arc, and determine a meridian with the solar at the Sulphur Springs Location Monument, heretofore described.

Original survey reports:

From Sulphur Springs Location Monument, cor. No. 2 of the Ter-a-wig-it Allotment, brs.

S. 1320 ft. or 20.00 chs.

Cor. No. 2 in sight.

Therefore I run

S. 0° 10' E. on blank line,

Along E. edge of the valley, through brush.

7.30 Road, brs. N. 10° W. and S. 10° E.

13.20 Same road, brs. N. 10° E. and S. 10° W.

19.98 Cor. No. 2 of the Ter-a-wig-it Allotment, which is a mound of stone. No marks or witnesses.

To further perpetuate this cor., in the center of the mound

Set an iron post for cor. No. 2, with cap stamped

A P in N.
COR 2 No 384 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, W. of cor. Original survey reports:

Thence S. 800 ft. or 12.12 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. 0° 10' E. on a true line

Over rolling land along the edge of the valley, through brush.

12.12 Cor. No. 3, a small mound of stone on the edge of a hill.

No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

COR 3 No 384 in W.
A P in E.
1913 in S.

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Page

On Unsurveyed Land.

Chains

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: rolling.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 49° E., 285 ft. or 4.31 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 50° 39' E. on a true line

Over rolling barren land.

4.31 Cor. No. 4, which is a mound of stone on the edge of a barren ridge. No marks or witnesses. In the center of the mound,

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 384 in W.
A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Land: rolling barren.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence S. 43° E., 2125 ft. or 32.19 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 43° 14' E. on a true line

Descending about 20 ft. from cor. on a barren ridge.

2.40 Foot of descent, brs. E. and W.

Thence across level land through dense brush.

Also slough, 20 lks. wide, course W.

14.10 Road, brs. E. and W.

29.20 Same road, brs. N. and S.

30.20 Perpendicular bluff, 20 ft. high, brs. N. and S.

Leave level land and brush, thence over rolling barren land to

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Page

On Unsurveyed Land.

Chains

31.72 Cor. No. 5, which is identical with cor. No. 2 of the Uncapiuks (Ben Uncapiuke) Allotment, and is a mound of stone. No marks.

Original survey reports:

A mountain peak, brs. S. 54° W.

I obtain the following:

A mountain peak, brs. S. 54½° W.

Original survey reports:

A mountain peak, brs. N. 26½° W.

I obtain the following:

A mountain peak, brs. N. 27½° W.

In the center of the mound

Set an iron post for cor. Nos. 5 and 2, with cap stamped

COR 5 No 384 in W.
A P in N.
COR 2 No 314 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: dense greasewood.

July 5, 1913. At this cor. I set off 22° 49' N. on the decl. arc, and at 12 h. 4 m. p.m., 1mt. observe the sun on the meridian. The resulting lat. is 39° 45'.

Original survey reports:

Thence S. 39° W., 1350 ft. on 20.46 chs. to cor. No. 6.
Cor. No. 6 in sight.

Therefore I run

S. 38° 25' W. on a true line bet. Ter-a-wig-it and Uncapiuks Allotments,

Across Willow Creek Valley, descending from cor. on a barren hill.

2.60 Road at foot of hill, brs. NW. and SE.

Thence over level land, through brush.

3.40 Leave brush and enter cultivated land, brs. NW. and SE.

12.70 Willow Creek, 40 lks. wide, banks 15 ft, course NW.

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Page

Survey of Ter-a-wig-it Allotment No. 257, New Roll No. 384.

On Unsurveyed Land.

Chains

16.20 Leave cultivated land, enter brush, brs. NW. and SE.

20.24 Cor. No. 6, which is identical with cor. No. 1 of the
Uncapiuke Allotment, which is a small mound of stone on
a barren point of a hill. In the center of the mound
Set an iron post for cors. Nos. 6 and 1, with cap stamped

COR 6 No 384 in NW.
COR 1 No 314 in NE.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence N. 35° 08' W., 3436.8 ft. or 52.07 chs. to cor.
No. 1.

Therefore I run
N. 35° 08' W. on a random line.

51.76 Falls 94 lks. to right of cor. No. 1.

Returning to cor. No. 6, I run
N. 36° 10' W. on a true line
Along the edge of valley, through brush.

5.20 Enter marsh land, brs. E. and W.

21.50 Leave marsh, brs. S. and NE.
Thence through brush.

22.10 Perpendicular bluff, 40 ft. high, brs. NE. and SW.
Leave brush.

23.90 Top of barren ridge, 70 ft. above valley, slopes NE.
Thence over rolling land to

32.00 Perpendicular bluff, 70 ft. high. Descend to

32.20 Edge of marsh, brs. E. and W.
Thence over level land.

39.00 Leave marsh, brs. NE. and SW.
Thence along edge of valley, through brush.

51.76 Cor. No. 1, which is a mound of stone on the barren point
of a ridge, about 40 ft. above the valley. No marks

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Page

On Unsurveyed Land.

Chains

or witnesses. In the center of the mound

Set an iron post for cor. No. 1, with cap stamped

A P in W.
COR 1 No 384 in SE.
1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, in line
S. of cor.

Land: rough and broken.

Soil: sandy, 2nd rate; stony, 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence N. 56° 10° E., 1400 ft. or 21.21 chs. to cor. No.2.

Cor. No. 2 in sight.

Therefore I run

No. 56° E. on a true line.

Across Willow Creek Valley, through brush, from cor. on
barren point.

6.90 Spring drain, 3 lks. wide, from marsh, course N. 20° E.

17.30 Willow Creek, 20 lks. wide, banks 8 ft., course NW.

21.00 Road, hrs. N. and S.

21.79 Cor. No. 2, heretofore described, and the place of begin-
ning.

Land: nearly level.

Soil: sandy, 2nd rate.

No timber.

Brush: greasewood.

July 5, 1913.

General description follows survey of the "Dutchman"
Upper Ranch Allotment.

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Page

TABLING AND CALCULATIONS OF THE SAILING OF THE SHALLOTON

BOOK A-383

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREA	S. AREA
			NORTH	SOUTH	EAST	WEST			
1	N. 56° E.	21.79	12.18		18.04		21973		
2	S. 0° 10' E.	12.12		12.12	03		3611	43765	
3	S. 50° 39' E.	11.31		2.79	9.33		3947	11012	
4	S. 43° 14' E.	31.73		23.12	21.70		6450	149124	
5	S. 38° 15' W.	20.24		15.91	21.82		7366	117193	
6	N. 36° 10' W.	51.76	41.76	15.82	12.54		5056		
			53.96	53.94	43.14	43.10			
					43.14	43.10			
							127619		
							149592		
							321094		
							149592		
							217150.2		
							10/85751		
							8575 answer		

IN CONNECTION OF TABLES AND RESULTS OF HEIGHTS AND DISTANCES. IN CONNECTION OF A. AND B. AREAS. ONLY FOR THE PURPOSE OF THE TABLES. ONLY FOR THE PURPOSE OF THE TABLES. ONLY FOR THE PURPOSE OF THE TABLES.

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Page

On Unsurveyed Land.

Chains

Survey of Uncapiuke (Ben Uncapiuke) Allotment No. 258, New Roll No. 314, on unsurveyed land, approximately in secs. 29 and 30, T. 12 S., R. 21 E.

July 7, 1913. At 8 am. l.m.t., I set off $39^{\circ} 45'$ on the lat. arc and $22^{\circ} 38'$ N. on the decl. arc, and determine a meridian at cor. No. 2 of the Uncapiuke Allotment, which is identical with cor. No. 5 of the Ter-a-wig-it Allotment.

The line bet. cors. 1 and 2 heretofore described in the Ter-a-wig-it Allotment from cors. No. 5 to No. 6.

Original survey reports:

Thence S. $54^{\circ} 50'$ E., 840 ft. or 12.73 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. $53^{\circ} 2'$ E. on a true line

Over rolling barren land.

From cor. No. 2 a rock cabin, built by a Mr. Robins, brs. S. $23^{\circ} 15'$ E., about 6.00 chs. dist.

10.00 Road, brs. E. and W.

12.70 Cor. No. 3, which is a mound of stone on the crest of a barren ridge about 50 ft. above valley. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

COR 3 No 314 in W.
A P in E.
1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, in line W. of cor.

Land: rolling, barren.
Soil: stony, 4th rate.

No timber.

Original survey reports:

Thence S. $58^{\circ} 30'$? 1400 ft. or 21.21 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. $60^{\circ} 07'$ E. on a true line

Blank

Page

On Unsurveyed Land.

Chains

From cor. on barren hill over rolling land at edge of valley, through brush.

21.60 Cor. No. 4, which is identical with cor. No. 2 of "Dutchman Upper Ranch" Allotment, and is a small mound of stone. In the center of the mound

Set an iron post for cor. No. 4 and cor. No. 2, with cap stamped

A P in N.
COR 4 No 314 in W.
COR 2 No 567 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Land: rolling.
Soil: gravelly and stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 29° W., 950 ft. or 14.40 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 26° 30' W. on a true line bet. Uncapiuke and Dutchman Upper Ranch Allotments.

Across Willow Creek Valley, through brush.

6.40 Willow Creek, 20 lks. wide, bank 6 ft. ^{high} course NW.

14.50 Cor. No. 5, which is identical with cor. No. 1 of Dutchman Upper Ranch Allotment and is a small mound of stone on the edge of a barren hill side. In the center of the mound

Set an iron post for cor. No. 5 and cor. No. 1, with cap stamped

COR 5 No 314 in NW.
COR 1 No 567 in NE.
A P 1913 in S.

Raise a mound of stone, 3 ft. base, 2 ft. high, on line N. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

July 7, 1913. At this cor. I set off 22° 37' N. on the decl. arc, and at 12 h. 5 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is 39° 45'.

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Page

On Unsurveyed Land.

Chains

Original survey reports:

Thence N. $66^{\circ} 17' W.$, 2478.7 ft. or 37.55 chs. to cor.No.1.

Therefore I run

N. $66^{\circ} 17' W.$ on a random line.

38.20 Falls 3 lks. to the right of cor. No. 1

Return to cor. No. 5.

Therefore I run

N. $66^{\circ} 20' W.$ on a true line.

Along edge of valley over rough broken points of ridges.

4.30 Point of ridge, slopes NE.

24.40 Point of ridge, slopes NE.

29.40 Point of ridge, slopes NE.

38.20 Cor. No. 1, which is identical with cor. No. 6 of the
Ter-a-wig-it Allotment, place of beginning.

Land: rough and broken.

Soil: stony, 4th rate.

No timber.

July 7, 1913.

General description follows survey of "Dutchman Upper
Ranch" Allotment.

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Page

3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF *Albanyville (Ben. W. Caspary, Jr.) Plotment No. 255, New Roll No. 314.* BOOK A-383

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			NORTH	SOUTH	EAST	WEST			
cor 1 to 2	N. 38° 15' E.	20.24	15.94	7.63	12.54		12.54		
" 2 to 3	S. 53° 2' E.	12.70	7.57	6.43	10.15	+	35.23	268.80	
" 3 to 4	S. 60° 7' E.	21.60	12.73	18.73	18.74	+	64.12	688.01	
" 4 to 5	S. 26° 30' W.	14.50	12.48	12.48	6.46	+	76.40	989.35	
" 5 to 1	N. 66° 20' W.	38.20	15.37	34.83	34.97	+	537.49		
			31.23	31.38	41.41		737.38	1946.19	
			31.31	31.31	41.43		737.38		
							21120.831		
							1060440		
								6044 acres.	

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Page

Survey of "Dutchman" Upper Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

Chains

Survey of "Dutchman" Upper Ranch Allotment No. 254, New Roll No. 567 on unsurveyed land, approximately in sec. 29, T. 12 S., R. 21 E.

July 8, 1913. At 8 a.m. l.m.t., I set off $39^{\circ} 45' N.$ on the lat. arc, and $22^{\circ} 31' N.$ on the decl. arc, and determine a meridian with the solar at cor. No. 2, heretofore described. The line from cor. No. 1 to cor. No. 2 is identical with the Uncapiuke Allotment from cor. No. 4 to cor. No. 5.

Original survey reports:

Thence S. $42^{\circ} 50' E.$, 1300 ft. or 19.70 chs. to cor. No. 3.
Cor. No. 3 in sight.

Therefore I run

S. $43^{\circ} 5' E.$, on a true line

Over rolling land, through brush.

15.00 Bend of Willow Creek, 20 lks. wide, from SE., course N. $30^{\circ} W.$

18.80 Road, brs. N. $30^{\circ} W.$ and S. $30^{\circ} E.$

19.20 Cor. No. 3, which is a mound of stone at end of barren ridge. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

A P in N.
COR 3 No 567 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Land: rolling.
Soil: gravelly, 3rd rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. $68^{\circ} 30' E.$, 2400 ft. or 36.36 chs. to cor. NO. 4.

Cor. No. 4 in sight.

Therefore I run

S. $69^{\circ} 20' E.$ on a true line

Over rolling land, through brush.

4.00 Wire fence from bluff to Willow Creek, brs. N. and S.

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Page

Survey of "Dutchman" Upper Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

Chains

5.70 Kine Hatch's log cabin, brs. to left, 1 ch. dist.
25.50 Leave brush and enter marsh, brs. NE. and SE.
31.50 Leave marsh and enter brush, brs. NW. and SW.
37.18 Cor. No. 4, which is a mound of stone with a stake in it.
No marks and witnesses. Cor. set on edge of ledge
about 15 ft. above valley. I remove stake and in the
center of the mound
Set an iron post for cor. No. 4, with cap stamped
A P in E.
COR 4 No 567 in SW.
1913 in S.
Raise a mound of stone 3 ft. base, 2 ft. high, on line
W. of cor.
Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 10° W., 1500 ft. or 22.73 chs. to cor. No. 5.
Cor. No. 5 in sight.

Therefore I run

S. 2° 23' W. on a true line

Across Willow Creek Valley, through brush.

.80 Road, brs. E. and W.

11.80 Willow Creek, 30 lks. wide, course NW.
Thence ^{along} base and W. side of ridge.

22.64 Cor. No. 5, which is a small mound of stone; stake lying
at base of hill. No marks or witnesses. In the center
of the mound I

Set an iron post for cor. No. 5, with cap stamped

COR 5 No 567 in NW.
A P in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: nearly level.

Soil: gravelly, 3rd rate.

Timber: none.

Brush: greasewood.

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On Unsurveyed Land.

Chains. July 8, 1913. At this cor. I set off $22^{\circ} 30'$ N. on the decl. arc, and 12 h. 5 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is $39^{\circ} 44'$.

Original survey reports:
Thence N. $52^{\circ} 58' 40''$ W., 4154.5 ft. or 62.95 chs. to cor. No. 1.
I run random on a figured return course.
N. $54^{\circ} 22'$ W. on a random line.

62.66 Falls 5 lks. to the right of cor. No. 1.
Returning to cor. No. 5, I run
N. $54^{\circ} 25'$ W. on a true line
Over rolling land, through brush.

.70 Drain, course N. Ascend.

10.00 Leave brush, brs. N. and SE.
Thence over barren land.

18.60 Top of ridge, about 200 ft. above the valley, slopes N.,
thence over heavy rolling land.

27.00 Begin descent, brs. N. and SW.

32.00 Perpendicular bluff about 30 ft. high.
Thence over level land, through brush from foot of bluff.

56.60 Marsh, 30 lks. wide, brs. N. and S.

62.66 Cor. No. 1, which is identical with cor. No. 5 of Uncapiuke
Allotment heretofore described.

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Brush: greasewood. July 8, 1913.

General Description.

The Ter-a-wig-it, Uncapiuke and "Dutchman" Upper Ranch Allotments along the valley of Willow Creek, the mountains rising abruptly on either side and nearly barren of vegetation from the edge of the valley.

The soil in the valley is covered with a dense growth of greasewood and is very productive, as indicated by a crop

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Survey of "Dutchman" Upper Ranch Allotment No. 254,
New Roll No. 567.

On Unsurveyed Land.

of oats, potatoes and garden vegetables, being grown on about 20 acres under irrigation on the Uncapiuke and "Dutchman" Upper Ranch Allotments, and cultivated by white squatters.

These men also built the two cabins noted in the survey.

No indication of Indian settlement on these lands.

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On Unsurveyed Land.

Chains

Survey of Spu-saw-ar Allotment No. 259, New Roll No. 568 on unsurveyed lands, approximately in sec. 33, T. 12 S., R. 21 E.

July 9, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 44'$ on the lat. arc, and $22^{\circ} 25'$ N. on the decl. arc, and determine a meridian with the solar at the cor. No. 4 of the "Dutchman" Upper Ranch Allotment heretofore described.

Original survey reports:

Cor. No. 4 of "Dutchman" Upper Ranch Allotment, brs. N. 39° W., 2450 ft. or 37.12 chs. from cor. No. 2 of the Spu-saw-ar Allotment.

Cor. No. 2 in sight.

Therefore I run

S. $39^{\circ} 43'$ E. on a blank line

Over rolling land, through dense brush.

5.00 Road, brs. NW. and SE.

37.93 Cor. No. 2, which is a mound of stone, 2 ft. base, 1 ft. high, with a stake 2 ft. long, 1 inch. diam., blazed. No marks.

A sandstone 14x8x2 ins. marked with a cross (+) lying in the edge of the mound. In the center of the mound

Set an iron post for cor. No. 2, with cap stamped

A P in N.
COR 2 No 568 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

This cor. is on a round gravelly knoll about 15 ft. above the valley.

Original survey reports:

Thence S. $66^{\circ} 10'$ E., 3600 ft. or 54.54 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. $66^{\circ} 43'$ E. on a true line

Over nearly level land, through brush.

7.00 Road, brs. NW. and SE.

13.30 Same road, brs. E. and W.

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Survey of Spu-saw-ar Allotment No. 259, New Roll No. 568.

On Unsurveyed Land.

Chains

23.40 Dry wash, 40 lks. wide, course S.
 50.00 Dry wash, 30 lks. wide, course S. 60° W.
 54.00 Same road, brs. NW. and SE.
 56.58 Cor. No. 3, which is a mound of stone with blazed stakes on
 a sandstone ledge about 20 ft. above valley. No marks
 or witnesses. In the center of the mound
 Set an iron post for cor. No. 3, with cap stamped
 A P in N.
 COR 3 No 568 in SW.
 1913 in S.
 Raise a mound of stone 3 ft. base, 2 ft. high, in line
 W. of cor.
 Land: rolling.
 Soil: gravelly, 3rd rate.
 No timber.
 Brush: greasewood.

 Original survey reports:

Thence S. 46° 30' E., 1280 ft. or 19.39 chs. to cor. No. 4.
 Cor. No. 4 in sight.
 Therefore I run
 S. 47° 20' E. on a true line
 Along the edge of valley, through greasewood.

7.80 Road, brs. E. and W.
 16.80 Same road, brs. N. and S.
 19.93 Cor. No. 4, which is identical with cor. No. 2 of George
 Santis lower allotment, and is a mound of stone. No
 marks. In the center of the mound
 Set an iron post for cor. No. 4 and cor. No. 2, with cap
 stamped
 A P in N.
 COR 4 No 568 in W.
 COR 2 No 320 in SE.
 1913 in S.
 Raise a mound of stone 3 ft. base, 2 ft. high, in line
 W. of cor.

Original survey reports:

A mountain peak, brs. N. 74° W.
 I obtain the following:
 A mountain peak, brs. N. 73° W.

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Page

On Unsurveyed Land.

Chains

Original survey reports:

A mountain peak, brs. N. 60° W.

I obtain the same.

Land: rolling.

Soil: stony, 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. 11° W., 1275 ft. or 19.32 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 10° 15' W. on a true line bet. Spu-saw-ar and Geo.

Santis Allotments,

Over nearly level land, across valley, through brush.

7.50 Road, brs. NW. and E.

14.70 Willow Creek, 20 lks. wide, banks 5 ft. ^{high,} course NW.

19.98 Cor. No. 5, which is identical with cor. No. 1 of Geo.

Santis Lower Ranch Allotment. A few loose stones drawn together. There is also a small mound of stone about 5.00 chs. W. of this place on the edge of a hill, but so far removed, that I accept this point as the cor. and

Set an iron post for cor. No. 5 and cor. No. 1, with cap stamped

COR 5 No 568 in NW.
COR 1 No 320 in NE.
A P 1913 in S.

Dig pits 30x24x12 ins. crosswise on line E. and W., 4 ft. dist., and 8 ft. N. on line ~~and~~ and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

July 9, 1913. At this cor. I set off 22° 23' N. on the decl. arc, and at 12 h. 5 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is 39° 43'.

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Survey of Spu-saw-ar Allotment No. 259, New Roll No. 568.

On Unsurveyed Land.

Chains.

Original survey reports:

Thence N. $61^{\circ} 30'$ W., 4454.2 ft. or 67.48 chs. to cor. No. 1.

Therefore I run

N. $61^{\circ} 30'$ W. on a random line.

69.84 Falls 8 lks. to the left of cor. No. 1.

Returning to cor. No. 5. I run

N. $61^{\circ} 26'$ W, on a true line

Over rough, broken and barren ends of ridges.

8.00 Top of ridge, about 150 ft. above valley, slopes N.

Descend to

14.30 Mouth of canyon, course N., thence over rolling land.

22.80 Mouth of canyon, course N. Ascend.

31.80 Point of ridge, slopes N., about 150 ft. above valley;
thence over rolling land.

35.30 Small draw, course N.

48.80 Point of ridge, slopes N. Descend.

54.80 Foot of descent, brs. NE. and SW.;

Thence over rolling land, through brush.

69.84 Cor. No. 1, which is a small stake in a mound of stone.

No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 1, with cap stamped

A P in W.

COR 1 No 568 in NE.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
E. of cor.

Land: mountainous.

Soil: stony, 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence N. $2^{\circ} 30'$ W., 1460 ft. or 22.12 chs. to cor. No. 2.

Cor. No. 2 in sight.

Therefore I run

N. $4^{\circ} 24'$ W. on a true line

Over rolling land, through brush.

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Page

On Unsurveyed Land.

Chains

- 9.25 Willow Creek, 20 lks. wide, banks 6 ft. ^{high,} _A course NW.
11.15 Same creek, course NE.
12.50 Same creek, course NW.
22.35 Cor. No. 1, place of beginning heretofore described.

Land: rolling.

Soil: gravelly, 2nd and 3rd rate.

No timber.

Brush: greasewood.

July 9, 1913.

General description follows survey of Seet Uncapiuke
Allotment.

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On Unsurveyed Land.

Survey of George Santis Lower Ranch Allotment No. 277,
New Roll No. 320, on unsurveyed lands, approximately in
secs. 33 and 34, T. 12 S., R. 21 E., and secs. 3 and 4,
T. 13 S., R. 21 E.

July 10, 1913. At 8 a.m. l.m.t., I set off $39^{\circ} 43'$ on
the lat. arc, and $22^{\circ} 17'$ N. on the decl. arc, and de-
termine a meridian with the solar at cor. No. 2, which
is identical with cor. No. 4 of Spu-saw-ar Allotment,
heretofore described.

Line from cor. No. 1 to cor. No. 2 is identical with line
from cor. No. 4 to cor. No. 5 of the Spu-saw-ar
Allotment.

Original survey reports:

Thence S. 52° E., 1000 ft. or 15.15 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. $52^{\circ} 40'$ E. on a true line

Over rolling land, through saddle, bet. a round-topped
hill on the right, and a ridge on the left.

15.31 Cor. No. 3, which is a stake in a mound of stone. No
marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

A P in N.
COR 3 No 320 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Land: rolling, barren.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence ? $39^{\circ} 30'$ E., 2700 ft. or 40.91 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 40° E. on a true line

Over rolling land, through greasewood.

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On Unsurveyed Land.

Chains

41.31 Cor. No. 4, which is a stake in a mound of stone at the
edge of a bluff. In the center of the mound

Set an iron post for cor. No. 4, with cap stamped

A P in N.
COR 4 No 320 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NW. of cor.

Land: rolling along the edge of the valley.

Soil: gravelly and stony, 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. 26° E., 1200 ft. or 18.18 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 26° 50' E., on a true line,

Over rolling land, through greasewood.

18.47 Cor. No. 5, which is identical with cor. No. 2 of Seet

Uncapiuke Allotment, and is a stake in a mound of stone.

No marks or witnesses. In the center of the mound

Set an iron post for cors. No. 5 and No. 2, with cap

stamped

COR 5 No 320 in W.
A P in E.
COR 2 No 378 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high in line
NW. of cor.

Land: rolling.

Soil: sandy and stony, 2nd and 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. 43° 50' W., 1125 ft. or 17.05 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. 43° 43' W. on a true line, bet. Geo. Santis and Seet

Uncapiuke Allotments.

Across Willow Creek Valley, through greasewood.

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On Unsurveyed Land.

Chains

- 2.20 Dry wash, course W.
2.80 Road, brs. E. and W.
10.40 Willow Creek, 20 lks. wide, banks 8 ft. ^{high,} course NW.
17.07 Cor. No. 6, which is identical with cor. No. 1 of the
Seet Uncapiuke Allotment and is a small mound of stone
on the edge of a hill; stake lying loose about 50 ft. N.
In the center of the mound
Set an iron post for cor. No. 6 and cor. No. 1, with
cap stamped

COR 6 No 320 in NE.
COR 1 No 379 in E.
A P in W.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NE. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

July 10, 1913. At this cor., I set off $22^{\circ} 16'$ N. on the
decl. arc, and at 12 h. 5 m. p.m. l.m.t., observe the
sun on the meridian. The resulting lat. is $39^{\circ} 43'$.

Original survey reports:

Thence N. $36^{\circ} 47' 20''$ W., 4167.3 ft. or 63.14 chs. to cor.
No. 1.

Note: It is impracticable to chain line on the return
course because of precipitous bluff 75 to 100 ft. high;
therefore I run with traverse line as follows:

N. $9^{\circ} 5'$ W., 7.86 chs. along the edge of the valley,
through rye grass.

N. $16^{\circ} 45'$ W., 5.40 chs., along the side of a hill.

N. $35^{\circ} 15'$ W., 5.00 chs.

N. $33^{\circ} 15'$ W., 29.60 chs., at 27.10 chs., mouth of can-
yon, course N.

S. 79° W., 9.30 chs., at 3.30 chs., mouth of canyon,
course N.

N. $38^{\circ} 27'$ W., 12.64 chs., over nearly level land,
through brush.

Cor. ~~xxxxxxx~~ No. 1, place of beginning, and cor. No. 5
of the Spu-saw-ar Allotment.

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On Unsurveyed Land.

The traverse line as run gives a course of N. 37° 56' W.,
63.26 chs.

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

July 10, 1913.

General description follows Seet Uncapiuke Allotment
survey.

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Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379.

Ranch No. 2.
On Unsurveyed Land.

Chains

Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379 (See-et) on unsurveyed lands, approximately secs. 3 and 10, T. 13 S., R. 21 E. Original survey also calls this Ranch No. 2, (John Santa).

July 11, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 43'$ on the lat. arc, and $22^{\circ} 10'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 2, which is identical with cor. No. 5 of Geo. Santis Allotment heretofore described. Line from cor. No. 1 to cor. No. 2 is identical with the line from cor. No. 5 to cor. No. 6 of the George Santis Allotment heretofore described.

Original survey reports:

Thence S. $39^{\circ} 30'$ E., 1875 ft. or 29.41 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. $39^{\circ} 50'$ E., on a true line

Over rolling land, through brush.

3.70 Dry wash, 30 lks. wide from canyon, course W.

28.70 Cor. No. 3, which is a mound of stone at the edge of a hill; stake lying about 30 yds. NW. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

COR 3 No 379 in W.

A P in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Land: rolling.

Soil: stony and gravelly, 3rd rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. $19^{\circ} 50'$ W., 2000 ft. or 30.30 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. $19^{\circ} 04'$ W. on a true line

Along the edge of hills, through brush.

30.69 Cor. No. 4, which is a stake in a mound of stone. No marks

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Survey of Seat Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 2.
On Unsurveyed Land.

or witnesses. In the center of the mound

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 379 in W.
A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: rolling.
Soil: stony and gravelly, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 14° 50' E., 850 ft. or 12.88 chs. to cor. No. 5.
Cor. No. 5 in sight.

Therefore I run

S. 15° 45' E., on a true line

Over rolling land, through greasewood.

12.96 Cor. No. 5, which is a stake in a mound of stone. No
marks or witnesses. In the center of the mound

Set an iron post for cor. No. 5, with cap stamped

COR 5 No 379 in W.
A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: rolling.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 55° E., 1000 ft. or 15.15 chs. to cor. No. 6.
Cor. No. 6 in sight.

Therefore I run

S. 53° 30' W. on a true line

Across Willow Creek Valley, through rye grass and
greasewood.

1.30 Road, brs. NW. and SE.

11.30 Willow Creek, 20 lks. wide, banks 6 ft., course NW.

15.25 Cor. No. 6, which is a mound of stone. No marks or
witnesses.

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Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 2.
On Unsurveyed Land.

In the center of the mound

Set an iron post for cor. No. 6, with cap stamped

COR 6 No 379 in NE.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NE. of cor.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

July 11, 1913. At this cor. I set off $22^{\circ} 08'$ N. on the
decl. arc, and at 12 h. 5 m. p.m. l.m.t. observe the sun
on the meridian. The resulting lat. is $39^{\circ} 42'$.

Original survey reports:

Thence N. $10^{\circ} 01' 40''$ W., 3972.3 ft. of 60.18 chs. to cor.
No. 1.

Note: Impracticable to chain line along return course
because of perpendicular bluffs 75 to 100 ft. high;
therefore I run a traverse line along the edge of hills,
as follows:

N. $5^{\circ} 55'$ E., 47.85 chs. along the edge of valley,
through brush and rye grass.

N. $40\frac{1}{2}^{\circ}$ W., 8.80 chs. along edge of hill.

N. $60\frac{1}{2}^{\circ}$ W., 12.20 chs. across a cove to cor. No. 1,
identical with cor. No. 6 of the Geo. Santis Allotment
heretofore described; place of beginning.

This traverse line agrees to a figured course of N. 10°
 $44'$ W., 61.35 chs.

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Along line some greasewood; mountains barren.

July 11, 1913.

General Description.

The Spu-saw-ar, Geo. Santis Lower Ranch, and Seet Un-
capiuke Allotments lie contiguous along the valley of
Willow Creek, the mountains rising abruptly and barren on

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Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 2.
On Unsurveyed Land.

either side. The valley for the most part is covered with greasewood; however there are a few patches of rye grass, very coarse, and poor feed, excepting early in the spring and at time of maturity, at which time the stock clip the heads for the small amount of grain obtained.

No indications of settlement on these allotments, excepting a small garden plot about 50 ft. square near the west end of Spu-saw-ar Allotment.

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Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379..
Ranch No. 1.
On Unsurveyed Land.

Chains

Survey of See-et Uncapiuke Allotment No. 260, New Roll No. 379, See-et, on unsurveyed lands, approximately in sec. 10, T. 13 S., R. 21 E. Original survey also calls this John Santas Ranch No. 1.

July 11, 1913. At 8 a.m. l.m.t., I set off $39^{\circ} 42'$ on the lat. arc, and $22^{\circ} 10'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 5 of the Seet Uncapiuke Allotment heretofore described.

Original survey reports that cor. No. 5 of the Seet Uncapiuke Allotment brs. N. 43° W., 1300 ft. or 19.70 chs. from cor. No. 3 of Seet Uncapiuke Allotment, John Santa Ranch No. 1.
Cor. No. 3 in sight.

Therefore I run

S. $43^{\circ} 35'$ E. on a blank line

Over rolling land, through greasewood.

7.10 Road, brs. NE. and SW.

10.50 Dry wash, 50 lks. wide from canyon, course SW.

19.93 Cor. No. 3, which is a stake in a mound of stone. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

A P in N.
COR 3 No 379 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line SW. of cor.

Original survey reports:

Thence S. $41^{\circ} 30'$ E., 1800 ft. or 27.27 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. $41^{\circ} 50'$ E. on a true line

Over nearly level land, along edge of valley, through greasewood.

27.63 Cor. No. 4, which is a stake in a mound of stone. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 379 in W.
A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Blank

Page

Survey of Seet Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 1.
On Unsurveyed Land.

Land: level.
Soil: gravelly, 2nd rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence S. 58° E., 1775 ft. or 26.90 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 58° 26' W. on a true line,

Over rolling land, through greasewood.

27.16 Cor. No. 5, which is identical with cor. No. 2 of Santis
Upper Ranch No. 2 Allotment, and is a stake in a mound
of stone. In the center of the mound

Set an iron post for cor. No. 5 and No. 2, with cap
stamped

COR 5 No 379 in NW.
A P in E.
COR 2 No 320 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NE. of cor.

Land: nearly level.
Soil: gravelly and stony, 4th rate.
No timber.
Brush: greasewood.

July 11, 1913. At this cor. I set off 22° 08' N. on the
decl. arc, and at 12 h. 5.m. p.m. l.m.t., observe the
sun on the meridian. The resulting lat. is 39° 42'.

Original survey reports:

Thence W., 800 ft. or 12.12 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

N. 89° 55' W. on a true line bet. the George Santis (Upper
ranch) Allotment, and the Seet Uncapiuke Allotment,
Ranch 1.
Across Willow Creek Valley, through greasewood.

1.70 Road, brs. N. and S.

2.80 Willow Creek, 20 lks. wide, banks 10 ft. ^{high,} course N.

12.08 Cor. No. 6, which is identical with cor. No. 1 of ^{George} Santis

Blank

Page

Chains

Upper Ranch ~~xxxx~~ Allotment, which is a stake driven in crack of a sandstone in place, 6x4x5 ft. No marks or witnesses.

S. 89° 55' E.
At a point in line 5 lks. ^ and at base of stone

Set an iron post for W. C. to cor. No. 6 and No. 1, with cap stamped

W C A P in W.
COR 6 No 379 in NE.
COR 1 No 320 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line E. of cor.

Land: level.
Soil: sandy, 1st rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence N. 53° 15' 10" E., 1792.5 ft. or 27.16 chs. to cor. No. 1.

This course ran along the edge of a perpendicular cliff, 40 to 75 ft. high. Impracticable to chain; therefore I ran a traverse line at the base of mountain as follows:

No. 53° E., 22.74 chs. along the base of mountain, through greasewood.

N. 48½° E., 4.70 chs. to cor. No. 1, which is a sandstone 20x9x5 ins. in a mound of stone. No marks or witnesses.

The figured course from cor. No. 6 to cor. No. 1 corresponds to a bearing of N. 52° 15' E., 27.42 chs.

In the center of the mound

Set an iron post for cor. No. 1, with cap stamped

A P in W.
COR 1 No 379 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Blank

Page

Survey of Sect Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 1.
On Unsurveyed Land.

Chains

Thence N. 57° 30' W., 950 ft. or 14.40 chs. to cor. No. 2.
Cor. No. 2 in sight.

Therefore I run

N. 58° 57' W. on a true line

Along the base of mountain, through greasewood.

14.55 Cor. No. 2, which is a stake in a mound of stone. No
marks or witnesses. In the center of the mound
Set an iron post for cor. No. 2, with cap stamped

A P in W.
COR 2 No 379 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
SE. of cor.

Land, mountainous.
Soil, stony, 4th rate.
No timber.
Brush, greasewood.

Original survey reports:

Thence N. 36° E., 840 ft. or 12.73 chs. to cor. No. 3.
Cor. No. 3 in sight.

Therefore I run

N. 35° 30' E. on a true line

Across Willow Creek Valley, through greasewood.

4.15 Willow Creek, 20 lks. wide, 6 ft. banks, course NW.

4.45 Road, brs. NW. and SE.

12.85 Cor. No. 3, place of beginning, heretofore described.

Land, level.
Soil, sandy, 2d rate.
No timber.
Brush, greasewood.

July 11, 1913.

14

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Survey of Sest Uncapiuke Allotment No. 260, New Roll No. 379.
Ranch No. 1.
On Unsurveyed Land.

General Description.

The John Santas and George Santis Allotments lie along Willow Creek adjacent to each other. The valley is very narrow and the mountains on either side are barren, abrupt and broken, rising about 500 or 600 ft. above the valley.

The valley is covered with brush, and in some places a rank growth of rye grass.

The soil is a dark sandy loam, and if cultivated probably would produce excellent crops of small grain.

About 10 or 15 Indians maintain a summer home on the upper allotment and graze a few head of cattle, horses, and sheep along the creek.

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Page

3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF (Sect. A Lineages) (District no. 1, Returnment no. 260, New York, No. 279) BOOK A-383

No.	COURSE	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
cor. 1-6 2	N. 58° 57' W.	1455	750		747	1244	-		9330
" 2-6 3	N. 35° 30' E.	1285	1046	2060	846	1741	-		18211
" 3-6 4	S. 41° 50' E.	2763		2258		852	+		17551
" 4-6 5	S. 58° 26' W.	2716		1416		384	+		5437
" 5-6 6	N. 89° 55' W.	1208	02			3163	-		63
	(N. 53° E.	2274	1368		1816				
	(N. 48° 30' E.	470	311		352				
	(N. 52° 15' E.)	(2742)	1678		2171				36429
			(4679)		(2268)				2787021
			3777	3775	4757	4774			10743510
			3476	3476	4964	4764			4351 acres

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Page

Survey of George Santis Upper Ranch Allotment No. 277,
New Roll No. 320.

On Unsurveyed Land.

Chains

Survey of George Santis Upper Ranch ~~xxxx~~ Allotment No. 277, New Roll No. 320, on unsurveyed lands, approximately in secs. 10 and 15, T. 13 S., R. 21 E.

July 15, 1913. At 8 a.m. 1.m.t. I set off $30^{\circ} 40'$ on the lat. arc, and $21^{\circ} 35'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 2, which is identical with cor. No. 5 of Seet Uncapiuke Ranch No. 1.

The line from cor. No. 1 to cor. No. 2, which is identical with the line from cor. No. 5 to cor. No. 6 of the Seet Uncapiuke Ranch No. 1.

Original survey reports:

Thence S. 20° W., 325 ft. or 4.92 chs. to cor. No. 3.

Therefore I run

S. 20° W. on a random line.

4.92 Make a diligent search for cor. No. 3. No trace. Set temp. cor.

Original survey reports:

Thence S. 60° E., 1010 ft. or 15.30 chs. to cor. No. 4.

Therefore I run

S. 60° E. on a random line.

15.30 Cor. No. 4, hereafter described, brs.

N. $67^{\circ} 10'$ E., 21 lks. dist.

Therefore I return to temp. cor. No. 3 and move it

$\frac{492}{2022}$ of $\frac{21}{2022}$ or 5 lks. N. $67^{\circ} 10'$ E. to true point.

Thence from cor. No. 2 I run

S. $19^{\circ} 37'$ W. on a true line

Alongside of spur, through greasewood.

4.80 Set an iron post for W. C. to cor. No. 3, with cap stamped

COR 3 No 320 in W.

A P in E.

W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

4.88 True point for cor. No. 3 falls in edge of road, brs.

NW. and SE.

Land: rolling.

Soil: stony, 4th rate.

No timber.

Brush: greasewood.

This cor. is about 25 lks. N. of Willow Creek.

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Survey of George Santis Upper Ranch Allotment No. 277,
New Roll No. 320.

On Unsurveyed Land.

Chains

From true point for cor. No. 3 I run

S. 60° 28' E. on a true line

Over rolling land, through brush.

1.70 Road, brs. NE. and SW.

3.70 Bend of Willow Creek, 20 lks. wide, Course W., from SE.

5.70 Same road, brs. NW. and SE., thence over level land.

15.40 Cor. No. 4, which is a stake in a mound of stone. No

marks or witnesses. In the center of the mound

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 320 in W.

A P in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NW. of cor.

Land: rolling and level.

Soil: stony and gravelly, 2nd and 4th rate.

No timber.

Brush: willows along creek; greasewood.

Original survey reports:

Thence S. 4° W., 1700 ft. or 25.76 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 3° 27' W. on a true line,

Along the edge of valley, through greasewood.

15.00 Leave valley and ascend side of a hill, over barren land.

Indian camp, brs. W. about 2 chs. dist.

28.34 Cor. No. 5, which is a stake in a mound of stone. No

marks or witnesses. In the center of the mound

Set an iron post for cor. No. 5, with cap stamped

COR 5 No 320 in W.

A P in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Cor. at top of saddle, brs.

N. 60° E. and S. 60° W. about 100 ft. above valley.

Land: level and broken.

Soil: gravelly and stony, 2nd and 4th rate.

No timber.

Brush: greasewood.

Blank

Page

Survey of George Santis Upper Ranch Allotment No. 277,
New Roll No. 320.

On Unsurveyed Land.

Chains

Original survey reports:

Thence S. 2° 20' E., 1750 ft. or 26.52 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. 3° 12' E. on a true line.

Descend abruptly.

3.00 Foot of bluffs, brs. E. and SW.

Thence over level land, through brush.

7.00 Point of cliffs about 60 ft. high, brs. N. and S. 20° E.

10.00 Dim road, brs. N. 20° W. and S. 20° E.

12.00 Bend in Willow Creek, 20 lks. wide from SW. Course NW.

22.60 Bend in same creek, course N. 20° W. from SW.

26.10 Dim road, brs. N. 10° E. and S. 10° W., and practically
end of same.

28.30 Cor. No. 6, which is a stake in a mound of stone. No
marks or witnesses.

Cor. on edge of mountain, about 20 ft. above valley.

In the center of the mound

Set an iron post for cor. No. 6, with cap stamped

COR 6 No 320 in W.

A P in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

Land: level and broken.

Soil: sandy and stony, 2nd and 4th rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. 46° 30' W., 450 ft. or 6.82 chs. to cor. No. 7.

Cor. No. 7 in sight.

Therefore I run

S. 45° 13' W. on a true line

Along the base of mountain, through brush.

6.97 Cor. No. 7, which is a mound of stone on a rocky spur about
20 ft. above the valley. No marks.

Original survey reports:

Point of rocks, brs.

Blank

Page

On Unsurveyed Land.

Chains

S. 88° E.

This bearing strikes a rock bluff about 75 ft. high and
about 1 ch. dist.

Original survey reports:

Point of rocks, brs.

N. 2° E.

I find this bearing strikes a stony hill near cor. No. 5.
In the center of the mound

Set an iron post for cor. No. 7, with cap stamped

COR 7 No 320 in N.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
NE. of cor.

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Brush: willows and greasewood.

July 15, 1913. At this cor. I set off 21° 33' N. on the
decl. arc, and at 12 h. 6 m. p.m. l.m.t. observe the sun
on the meridian. The resulting lat. is 39° 41'.

Original survey reports:

Thence N. 54° 30' E., 575 ft. or 8.71 chs. to cor. No. 8.
Cor. No. 8 in sight.

Therefore I run

N. 55° 35' W. on a true line

Across Willow Creek Valley, through willow brush.

1.70 Trail, brs. N. and S.

6.60 Willow Creek, 15 lks. wide, banks 4 ft. ^{high,} course N.

8.75 Cor. No. 8, which is a mound of stone on top of a flat
sandstone in place, 4x10x4 ft. No marks or witnesses.
S. 55° 35' E.
At a point in line 5 lks. ^{SE} of the stone mound

Set an iron post for W. C. to cor. No. 8, with cap
stamped

A P W C in W.
COR 8 No 320 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
SE. of cor.

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Survey of George Santis Upper Ranch Allotment No. 277,
New Roll No. 320.
On Unsurveyed Land.

Chains

Land, level.
Soil, loam, 1st rate.
No timber.
Brush, willows.

Original survey reports:

Thence N. 21° 23' 50" W., 4544 ft. or 68.85 chs. to cor.
No. 1.

Precipitous bluffs and the broken character of the ground
along the line makes it impracticable to chain this
line; therefore I run with a traverse line along the
edge of the valley as follows:

From cor. No. 8

N. 22° E., 4.10 chs.

Along the side of a hill, nearly barren.

Thence N. 11½° E., 10.00 chs.

5.60 Drain, from canyon, course E.

Thence N. 12° W., 3.40 chs.

Along the side of a hill, through greasewood.

Thence N. 11° W., 27.90 chs.

Along the edge of valley under bluffs, through brush.

Thence N. 40½° E., 6.90 chs.

To a point of rocky spur.

Thence N. 39¾° W., 2.00 chs.

Over barren land.

Thence N. 34° 32' W., 21.60 chs. to cor. No. 1 at 1.90 chs.

Mouth of canyon, course E.

The figured course and distance for this traverse line is
N. 9° 30' W. on a true line.

69.87 Cor. No. 1, which is identical with cor. No. 6 of the

Seet Uncapiuke Allotment Ranch No. 1.

Land, mountainous.
Soil, stony, 4th rate.
No timber.
Brush, greasewood and willows.

July 15, 1913.

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Page

General Description.

The Seet Uncapiuke Allotment Ranch No. 1 and George Santis Allotment lie along Willow Creek adjacent to each other. The valley is very narrow and the mountains on either side are barren, abrupt and broken, rising about 500 or 600 ft. above the valley.

The valley is covered with brush, and in some places a rank growth of rye grass.

The soil is a dark sandy loam, and if cultivated probably would produce excellent crops of small grain.

About 10 or 15 Indians maintain a summer home on the upper allotment and graze a few head of cattle, horses, and sheep along the creek.

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Page

3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF

George Santisi, Upper Passaic, Allentown, Pa. No. 277, New Recd No. 320.

BOOK A-38

No.	COURSE	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 to 2	S. 89° 55' E.	1208		02	1208		+	1208	2.4
" 2 to 3	S. 19° 37' W.	488		461		164	+	2252	10382
" 3 to 4	S. 60° 28' E.	1540		760		1340	+	3428	26053
" 4 to 5	S. 3° 27' W.	2834		759		171	+	4577	130187
" 5 to 6	S. 3° 12' E.	2830		2832		158	+	4584	129681
" 6 to 7	S. 15° 13' W.	697		2826		495	+	4247	20895
" 7 to 8	N. 55° 35' W.	875	493	484	154	722	+	3030	
	N. 22° E.	410	380		199				
	N. 11° 30' E.	1000	980						
	N. 12° W.	340	333		71				
	N. 11° W.	2790	2739		532				
	N. 11° 30' E.	690	525		448				
	N. 39° 45' W.	200	154		128				
	N. 31° 32' W.	2160	1779		1224				
	(N. 9° 30' W)	(6987)	(6898)		(1154)		+	1154	
			7884	7367	2706	2706		114365	317222
			7376	7376					41368
									2/222854
									10/111427
									11443 correct

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Page

On Unsurveyed Land.

Survey of the Uncapiuke Allotment No. 258, New Roll No. 314 on unsurveyed lands in the S. part of Uintah Co., Utah, at the head of a small draw on W. side of divide bet. Willow and Sweetwater Creeks. The allotment covers a small seep spring, the middle one of three known on the mountain about $1\frac{1}{2}$ miles W., the other about 3 miles E., and about 10 miles SE. by road of the Seet Uncapiuke Allotment on Willow Creek. Reached by a dim road up a canyon that leaves Willow Creek just E. of cor. No. 5 of the Seet Uncapiuke Allotment No. 379, Ranch No. 2.

July 17, 1913. At cor. No. 2 of this allotment I set off $21^{\circ} 14'$ N. on the decl. arc, and at 12 h. 6 m. p.m. l.m.t. observe the sun of the meridian; the resulting lat. is $39^{\circ} 36'$.

For a location monument, I mark a 3-pronged cedar, 24 ins. diam.,

G S p r L M

From which

A pinch, 30 ins. diam., brs. N. 64° E., 95 lks., dist.,
Marked G S B T

A cedar, 12 ins. diam., brs. N. $22\frac{1}{2}^{\circ}$ E., 40 lks., dist.,
Marked G S B T

Upper pool of seep spring, brs. S. 51° E., 2.00 chs. dist.

Cor. No. 1, brs.

S. $8^{\circ} 57'$ W., 7.43 chs. dist.

July 17, 1913. At 2 p.m. l.m.t. I set off $39^{\circ} 36'$ on the lat. arc, and $21^{\circ} 13'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 1, which is a double pinon 6 ins. diam., one prong of which is blazed on 3 faces. No marks. Although original notes say that the tree was marked. From evidences I find, hereafter described, I believe all marks mentioned were made with lead pencil and have been washed off.

I mark tree

C O R 1

N. and alongside

Set an iron post for cor. No. 1, with cap stamped

COR 1 No 314 in NW.
A P 1913 in S.

From which

Blank

Page

On Unsurveyed Land.

Chains

in dia.,
 A pinon 7 ins., brs. N. 7½° W., 17 lks. dist.,
 Marked COR 1 B T
 A cedar 14 ins. diam., brs. N. 85½° E., 26 lks. dist.,
 Marked COR 1 B T

Original survey reports:

Thence N. 27° 30' E., 800 ft. or 12.12 chs. to cor. No. 2.

Therefore I run

N. 27° 30' N., on a random line.

12.08 Falls 13 lks. ^{to the right} _A of cor. No. 2.

Returning to cor. No. 1, I run

N. 26° 52' E., on a true line

Over rolling land, through timber.

3.00 Leave timber, brs. E. and W. Enter prairie.

5.20 Trail, brs. E. and W.

6.90 Drain, course W. Ascend through timber, leave prairie,
 brs. E. and W.

12.08 Cor. No. 2, which is a sandstone 2 ft. x 10 x 2 ins. in a
 mound of stons. No marks.

Original survey reports:

A cross on a cedar 16 ins., brs. N. 22° 10' W., 4.6 ft. or

7 lks. dist. I find blazed tree as follows:
 Cedar 18 ins. in dia., brs. N. 19½° W., 7 lks. dist.

I mark tree COR 2 B T

Original survey reports:

A cedar 36 ins. diam., brs. N. 50° E., 64 ft. or 97 lks.
 dist.

I find a fallen cedar blazed 10 lks. dist. as described,
 indicating original length should have been 6.4 ft.
 instead of 64 ft.

I take now B. T. as follows:

in dia., brs.
 A pinon 12 ins., N. 76° E., 46 lks. dist.,
 Marked COR 2 B T

In the center of the mound of stone

Set an iron post for cor. No. 2, with cap stamped

COR 2 No 314 in W.
 A P in E.
 1913 in S.

Land: rough and broken.
 Soil: stony, 4th rate.
 Timber: pinon and cedar.

Blank

Page

On Unsurveyed Land.

Chains

Original survey reports:

Thence N. 62° 30' W., 1200 ft. or 18.18 chs. to cor. No. 3.

Therefore I run

N. 62° 30' W. on a random line.
to the right

18.30 Falls 20 lks. ^{in dia.} of cor. No. 3.

Returning to cor. No. 2, I run

N. 63° 09' W. on a true line

Along edge of breaks, over rolling land, through timber.

13.60 Draw, course S. 50° W.

18.30 Cor. No. 3, which is a stake in a mound of stone. Stake marked with lead pencil COR 3 GUTTEN SPR. The stake was leaning so that the marks were protected from the weather; consequently I think the marks referred to by the original survey on other cors. were made with lead pencil.

In the center of a mound of stone

Set an iron post for cor. No. 3, with cap stamped

A P in N.
COR No 314 in SE.
1913 in S.

From which

A pinon 8 ins. ^{in dia.}, brs. S. 73½° W., 30 lks. dist.,
Marked COR 3 ^{E T}
A pinon 12 ins. ^{in dia.}, brs. S. 43½° E., brs. 44 lks. dist.,
Marked COR 3 ^{B T}

Land: rolling and rough.
Soil: stony, 4th rate.
Timber: pinon and cedar.

Original survey reports:

Thence S. 27° 30' W., 800 ft. or 12.12 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 26° 52' W., on a true line

Over rolling land, through timber.

2.05 Drain, course N. 60° W.

Leave timber, brs.

N. 60° W. and S. 60° E.

Thence ~~xxxx~~ ascending ~~ground~~, through sage brush.

Blank

Page

On Unsurveyed Land.

Chains

2.80 Trail, brs. N. 60° W. and S. 60° E.

12.06 Cor. No. 4, which is a sandstone 4 ft. x 8 x 6 ins., standing in a mound of stone. No marks.

Original survey reports:

in dia.,
A cedar 12 ins. brs. N. 55° 05' W., 72.5 ft. or 110 lks. dist.

I find

in dia., dist.
A blazed cedar 12 ins. brs. N. 57° W., 109 lks. No marks.

I mark

COR 4 B T

Original survey reports:

in dia.,
Spruce 24 ins. brs. S. 27° W., 113.5 ft. or 172 lks. dist.

I find

in dia.,
A blazed pinon, 24 ins. brs. S. 25° 50' W., 176 lks. dist.

No marks. I mark

COR 4 B T

In the center of a stone mound

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 314 in NE.
A P 1913 in S.

Land: rolling.

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

Timber: pinon.

Brush: sage.

Original survey reports:

Thence S. 62° 30' E., 1200 ft. or 18.18 chs. to cor. No. 1,
place of beginning.

Therefore I run

S. 62° 30' E. on a random line.

18.30 Falls 21 lks. to the right of cor. No. 1.

Returning to cor. No. 4, I run

S. 63° 09' E. on a true line

Over rolling land, through sage brush.

14.30 Leave sage brush; enter timber, brs. NE. and SW.

18.30 Cor. No. 1, the place of beginning heretofore described.

Land: rolling.

Soil: gravelly and stony, 3rd rate.

Timber: pinon.

Brush: sage.

July 17, 1913.

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Page

On Unsurveyed Land.

General Description.

This allotment covers a portion of a narrow canyon, rough and broken, and of very little value except for grazing during early spring.

The spring called "Guffen" in the original survey was named for a member of the Alloting Commission at the time they were in here; consequently it was not known by the Indians or natives by that name. The spring is a seep running out on a flat bed rock for about 50 yds., settling in little pools. At this time there was not enough water to water our two horses.

The land is stony and gravelly and of no value for agriculture; however the timber would make a few posts and firewood.

Francis E. Joy,
U.S. Surveyor.

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3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

TABLING AND CALCULATIONS OF *Uncapable RR Contract - 710-255, New Roch. 710-314, unincorporated land.* **BOOK A-383**

No.	COURSE	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 to 2	N. 26° 52' E.	1208	1075 ⁷		546		+ 546	5880	
" 2 to 3	N. 63° 09' W.	1830	827		1638		- 542		4482
" 3 to 4	S. 26° 52' W.	1206		1076	545		- 2721	29305	
" 4 to 1.	S. 63° 09' E.	1830		827	1633		- 1633	13505	
			X 825	X 905	2179			48690	4482
			1904	1904	2179			4482	
								2/44208	
								10/22104	
								2210	acres.

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Washington, D. C., *Mar. 21* 1914.

I hereby certify that the survey of the foregoing allotments in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drummington
Topographer in Charge.

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Page

FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by F. Dunnington, Topographer in Charge, bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy U. S. Surveyor.

subscribed by said Francis E. Joy, and sworn to before me this 6 day of March, 1914.

Isaac R. Hitt United States Commissioner, D. C.



APPROVAL

Commissioner of the General Land Office OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotments, in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A. F. Dunnington Topographer in Charge, under his special instructions dated September 14, 1912, having been

critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman U. S. Surveyor-General

Commissioner of the General Land Office

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

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U. S. Surveyor-General Commissioner of the General Land Office.

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BOOK A-383

Book "B"

FIELD NOTES

OF THE SURVEY OF THE

~~Wah-ru-va-guts Allotment No. 255, New Roll No. 328, T. 12 S., R. 20 E.~~
~~and Unsurveyed T. 12 S., R. 21 E. (Uncompahgre Ute Indian Allot-~~
~~ment).~~

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1912,
issued by the ~~United States Surveyor General to govern surveys included in~~
~~Group No. -----, which were approved by the Commissioner of the General Land~~
Office, to A. E. Dunnington, ~~1912~~, pursuant to authority contained in the Act of
Topographer in Charge.
Congress dated -----, ~~1912~~

Survey commenced July 1, 1913

Survey completed July 2, 1913

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
10	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 12 S., R. 20 E.
and Unsurveyed T. 12 S., R. 21 E.

Survey of Wah-ru-va-guts Allotment No. 255, New Roll No. 328, partly in sec. 13, T. 12 S., R. 20 E.

Survey commenced July 1, 1913 by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long; 1 in. in diameter; filled with cement and fitted with brass caps and set 26 ins. in the ground, unless otherwise noted.

July 1, 1913. The line between cor. No. 1 to cor. No. 2 is identical with line between cor. No. 3 to cor. No. 4 of the "Dutchman" Lower Ranch Allotment heretofore described; therefore at cor. No. 2 I set off $23^{\circ} 8' N.$ on the decl. arc and at 12h 3m p.m. l.m.t. observe the sun on the meridian. The resulting latitude is $39^{\circ} 46'$.

July 1, 1913. At 1:30 p.m. l.m.t. I set off $39^{\circ} 46'$ on the lat. arc and $23^{\circ} 8' N.$ on the decl. arc, and determine a meridian with the solar at cor. No. 2 heretofore described.

Original survey reports:
Thence N. $30^{\circ} W.$, 725 ft. or 10.99 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

N. $31^{\circ} 53' W.$ on a true line.

Over rolling land; points of ridges at edge of valley; through brush.

3.78 Intersect the E. bdy. of T. 12 S., R. 20 E., at a point between cor. of secs. 7, 12, 13 and 18, and 13, 18, 19 and 24, from which the cor. of secs. 13, 18, 19 and 24 as determined by me, brs. S. $0^{\circ} 43' E.$, 6.55 chs. dist.

At point of intersection

Set an iron post 30 ins. in the ground for C.C. of secs. 13 and 18, with cap stamped

No 328 in NE.

R 21 E S 18 T 12 S. C C 1913 in S.

R 20 E S 13 in W.

Raise a mound of stone 3 ft. base, 2 ft. high, S. of cor.

11.03 Cor. No. 3, which is a small mound of stone on point of ridge about 30 ft. above valley; at center point in mound

Set an iron post 30 ins. in the ground and in a mound of stone for cor. No. 3, with cap stamped

COR 3 No 328 in E.

T 12 S R 20 E S 13 A P in W.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

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Page

T. 12 S., R. 20 E.,
and Unsurveyed T. 12 S., R. 21 E.

Chains

Land: rolling and broken.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence $\approx 33^\circ$ W., 1700 ft. or 25.76 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

N. $34^\circ 54'$ W. on a true line

Over rolling points of ridges, through greasewood.

25.88 Cor. No. 4, which is a small mound of stone. No trace of witness or marks found. To further mark this cor. in the center of the mound

Set an iron post 30 ins. in the ground ^{and} in a mound of stone for cor. No. 4, with cap stamped

Cor 4 No 328 in E.
T 12 S R 20 E S 13 A P in W.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Land: rolling at edge of valley.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence N. $22^\circ 10'$ W., 2025 ft. or 30.67 chs. to cor. No.5.

Cor. No. 5 in sight.

Therefore I run

N. $22^\circ 13'$ W. on a true line

Over rolling land, through greasewood.

28.00 Dry wash, 40 lks. wide, course N.

31.10 Cor. No. 5, which is identical with cor. No. 2 of Sat-to-poo-qua-a-cut Allotment, and is a mound of stone. No marks.

Original survey reports:

A mountain peak, brs. N. $38\frac{1}{2}^\circ$ W.

I obtain the following:

A mountain peak, brs. N. $39\frac{1}{4}^\circ$ W.

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Page

T. 12 S., R. 20 E.,
and Unsurveyed T. 12 S., R. 21 E.

Chains

Original survey reports:

A mountain peak, brs. N. 36° E.

I obtain the following:

A mountain peak, brs. N. 45° 10' E.

To further perpetuate this cor., in the center of a mound
Set an iron post 30 ins. in the ground ^{and} in a mound of stone
for cor. No. 5 and cor. No. 2, with cap stamped

COR 2 No 355 in NE.
COR 5 No 328 in SE.
T 12 S R 20 E S 13 A P in W.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
S. of cor.

Land: rough and broken.
Soil: stony, 4th rate.
No timber.
Brush: greasewood.

Original survey reports:

Thence N. 67° 30' E., 1500 ft. or 22.73 chs. to cor. NO.6.
Cor. No. 6 in sight.

Therefore I run

N. 65° 05' E. on a true line bet. Wah-ru-va-guts and
Eat-to-poo-qua-a-cut Allotments.

Across Willow Creek Valley level land, through greasewood.

- .80 Dry wash, 40 lks. wide, course N.
20.00 Willow Creek, 15 lks. wide, course N. 30° W.
22.40 Road, brs. N. 30°W and S. 30° E.
22.70 Cor. No. 6, which is identical with cor. No. 1 of
Eat-to-poo-qua-a-cut Allotment, and is a small mound of
stone on the edge of a hill., No witnesses or marks.
In the center of the mound

Set an iron post for cors. 6 and 1, with cap stamped

T 12 S R 20 E S 13 A P in E.
COR 1 No 355 in NW.
COR 6 No 328 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Land: level.
Soil: sandy, 2nd rate.
No timber. Brush: greasewood.

July 1, 1913.

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Page

Chains

July 2, 1913. At 8 a.m. l.m.t., I set off $39^{\circ} 47'$ on the lat. arc and $23^{\circ} 5'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 6 and cor. No. 1. of the Sat-to-poo-qua-a-cut Allotment.
Original survey reports:

Thence E. $29^{\circ} 9'$ E., 4561.3 ft. or 69.11 chs. to cor. No.1.
I figure a return course to cor. No. 1 and run S. $29^{\circ} 51'$ E. on a random line.

71.20 Falls 12 lks. to the left of cor. No. 1.

Therefore I return to cor. No. 6, and run S. $29^{\circ} 45'$ E. on a true line

Over rough broken points of barren ridges, ascending.

18.48 Intersect E. bdy. of Tp. 12 S., R. 20 E., at a point bet. the cor. of secs. 7, 12, 13 and 18 and 13, 18, 19 and 24, from which, as determined by me the cor. of secs. 7, 12, 13 and 18 brs. N. $0^{\circ} 43'$ W., 24.18 chs. At this point Set an iron post for C. C. secs. 13 and 18, with cap stamped

C C T 12 S in N.
R 21 E S 18 in NE.
R 20 E S 13 in NW.
No 328 in Sw.
1913 in E.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Cor. on top of barren ridge, sloping W. and about 150 ft. above the valley. Descend to

37.90 Road, brs. NW. and SE., thence over level land.

41.30 Same road, brs. NE. and SW.

47.90 Same road, brs. NW. and SE.

52.30 Same road, brs. NE. and SW. Ascend.

60.50 Top of spur at the end of the ridge 100 ft. above valley, slopes W. Descend to

71.20 Cor. No. 1, which is identical with cor. No. 4 of "Lower Dutchman Ranch" Allotment heretofore described.

Land: rough and broken.

Soil: stony, 4th rate.

No timber.

Brush: greasewood between hills.

July 2, 1913.

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General Description.

The "Lower Dutchman", Wah-ru-va-guts, and Sat-to-poo-qua-a-cut Allotments are adjacent to each other and lie in a narrow valley along Willow Creek. The hills on the west side are low and rolling, while on the east side they rise abruptly and are very rough and barren on both sides. The valley and the small draws at the edge of the valley are covered with a heavy growth of greasewood. The soil is very rich and would produce abundant crops or fruit. About 5 acres at the lower end have been cleared and cultivated, but it was done by whites. No indian settlements.

Francis E. Joy,

U. S. Surveyor.

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- DIRECTIONS.—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.
 2. In balancing Lat. and Dep. do not obliterate or change the original figures; but put below them the corrected footing in red ink.
 Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.
 The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

6-25
TABLING AND CALCULATIONS OF *Mah-mun-gut-tah* *Wah-tum-ah* no. 255 Clear Parc sur. 325

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE N. D.	N. AREAS	S AREAS
			NORTH	SOUTH	EAST	WEST			
1 to 2	S. 72° 54' W.	2470	437	725		2359	17103	49661	
2 to 3	N. 31° 53' W.	1103	936	826		5300		156443	
3 to 4	N. 34° 54' W.	2588	2125			7362		258590	
4 to 5	N. 22° 13' W.	3110	2881			10017		87384	
5 to 6	N. 65° 5' E.	2270	2879			9131			
6 to 1	S. 29° 45' E.	7120	956	6175	2661	3535	218286	582078	
			8884	6900	5542	5688	235389	235389	
			6900	6900	5546	5686		23446689	
								19173344	
								17334 <i>over</i>	

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BOOK A-383

Washington, D. C., *Mar. 21* 1914.

I hereby certify that the survey of Wah-ru-va-guts Allotment No. 255, New Roll No. 328, T. 12 S., R. 20 E., and Unsurveyed T. 12 S., R. 21 E., in the state of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumming

Topographer in Charge.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy, U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me } this 6 day of March, 1914.



Isaac R. Hitt, United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office, OFFICE OF THE UNITED STATES SURVEYOR-GENERAL, Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotments in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman, U.S. Surveyor-General, Commissioner of the General Land Office.

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

Signature of Clay Tallman, U.S. Surveyor-General, Commissioner General Land Office.

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BOOK A-383 Book "C"

FIELD NOTES

OF THE SURVEY OF THE

~~Sat-to-poo-qua-a-cut~~ Allotment No. 256, New Roll No. 355,

T. 12 S., R. 20 E. (Uncompahgre Ute Indian Allotment)

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1912,

~~issued by the United States Surveyor General to govern surveys included in~~

~~Group No. _____, which were approved by the Commissioner of the General Land~~

~~Office, to A. E. Dunnington, 1911, pursuant to authority contained in the Act of~~
Topographer in Charge.

~~Congress dated _____, 1911.~~

Survey commenced July 2, 1913

Survey completed July 12, 1913

BOOK A-383

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 12 S., R. 20 E.

Chains

Survey of Sat-to-poo-qua-a-cut Allotment No. 256, New Roll No. 355, secs. 12 and 13, T. 12 S., R. 20 E.

Survey commenced July 2, 1913, by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8594 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long, 1 in. in diameter, filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

July 2, 1913. At 10:30 a.m. l.m.t. I set off $39^{\circ} 47'$ on the lat. arc, and $23^{\circ} 04'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 2 heretofore described.

The line from cor. No. 1 to cor. No. 2 heretofore described in notes for Wah-ru-va-guts Allotment from cor. No. 5 to cor. No. 6.

Original survey reports:

Thence N. 19° W., 3000 ft. or 45.45 chs. to cor. No. 3.

Cor. No. 3 in sight. Therefore I run

N. $19^{\circ} 41'$ W. on a true line

Along the edge of the valley through dense growth of greasewood.

18.75 Intersect line bet. secs. 12 and 13, T. 12 S., R. 20 E., at a point bet. the cor. of secs. 7, 12, 13 and 18, and $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13, from which $\frac{1}{4}$ sec. cor. bet. secs. 12 and 13 hrs. as determined by me, N. $89^{\circ} 59'$ W., 3.54 chs. dist., at which point

Set an iron post for C.C. of secs. 12 and 13, with cap stamped:

No 355 in E.
T 12 S S 12 in NW.
C C in W.
R 20 E S 13 in SW.
1913 in S.

Dig pits 24x18x12 ins. crosswise on line N. and S. 3 ft. dist. and W. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

47.55 Cor. No. 3, which is an oak stake 3 ft. long, 2 ins. diam., blazed on two faces, and set in a small mound of stone on top of a small ridge, about 20 ft. above the valley, from which

N. end of flat topped mountain hrs.

N. $50\frac{1}{2}^{\circ}$ W., about $\frac{1}{2}$ mile dist.

Cone-shaped hill hrs. N. $62\frac{1}{2}^{\circ}$ E., about 1 mile dist.

To further perpetuate this cor., I remove the stake and

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T. 12 S., R. 20 E.

Chains

Set an iron post for cor. No. 3, with cap stamped

T 12 S R 20 E S 12 A P in W.
COR 3 No 355 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
S. of cor.

Land, nearly level.
Soil, gravelly, 4th rate.
No timber.
Brush, greasewood.

Original survey reports:

Thence N. 85° 15' E., 1800 ft. or 27.27 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

N. 84° 10' E. on a true line

Across the valley, through greasewood.

14.80 Willow Creek, 30 lks. wide, banks 10 ft., water 10 ins.,
course N.

26.70 Road, brc. N. and S.

28.39 Cor. No. 4, which is a small mound of stone on the end of
a barren ridge about 20 ft. above the valley. No marks
or witnesses.

To further perpetuate this cor., in the center of the
stone mound

Set an iron post for cor. No. 4, with cap stamped

T 12 S R 20 E A P S 12 in E.
COR 4 No 355 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Land, level.
Soil, sandy, 2d rate.
No timber.
Brush, greasewood.

July 2, 1913. At this cor. I set off 23° 04' N. on the
decl. arc and at 12h 4m p.m. l.m.t. I observe the sun
on the meridian. The resulting lat. is 36° 47'.

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Survey of Sat-to-poo-qua-a-cut Allotment No. 256,
New Roll No. 355,

T. 12 S., R. 20 E.

Chains

Original survey reports:

Thence S. 13° 16' 10" E., 2477.8 ft. or 37.54 chs. to
cor. No. 1.

I figure a return course to cor. No. 1 and run
S. 12° 22' E. on a random line.

39.00 Falls 2 lks. to right of cor. No. 1

Returning to cor. No. 4, I run

S. 12° 24' E. on a true line

Over rough barren points of ridges.

30.80 Intersect line bet. secs. 12 and 13, T. 12 S., R. 20 E.,
at a point bet. the cor. of secs. 7, 12, 13, and 18,
and $\frac{1}{2}$ cor. bet. secs. 12 and 13, from which as deter-
mined by me, the cor. of secs. 7, 12, 13 and 18, brs.
S. 89° 59' E., 10,82 chs. dist. At point of intersection
Set an iron post for C. C. of secs. 12 and 13, with cap
stamped

No 355 in W.
T 12 S S 12 in NE.
C C in E.
R 20 E S 13 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
E. of cor.

39.00 Cor. No. 1, which is identical with cor. No. 6 of the
Wah-ru-va-guts Allotment, and the place of beginning

Land: mountainous.
Soil: stony, 4th rate.
No timber.
Brush: scattering patches of greasewood.

July 2, 1913.

General Description.

The "Lower Dutchman", Wah-ru-va-guts, and Sat-to-poo-
qua-a-out Allotments are adjacent to each other and lie
in a narrow valley along Willow Creek. The hills on the
west side are low and rolling, while on the east side they
rise abruptly and are very rough and barren on both sides.

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The valley and the small draws at the edge of the valley are covered with a heavy growth of greasewood. The soil is very rich and would produce abundant crops or fruit. About 5 acres at the lower end have been cleared and cultivated, but it was done by whites. No Indian settlements.

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Note: I had surveyed the allotments of Wah-ru-va-guts and Sat-to-poo-qua-a-cut before I discovered that I was on surveyed lands. The closing corners as established by me are described in the allotment surveys, but were set at the time of making the following retracement.

July 12, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 47'$ on the lat. arc and $22^{\circ} 2'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 7, 12, 13 and 18, Tp. 12 S., Rgs. 20 E. and 21 E.

Thence I run

S. on a random line bet. secs. 13 and 18.

40.00 No trace of $\frac{1}{4}$ sec. cor. Set temp. cor.

80.35 Falls 100 lks. W. of cors. 13, 18, 19 and 24, which is a sandstone, 14x9x4 ins. above the ground, properly marked and witnessed by 3 small rocks in a mound W. of cor.

Raise a mound of stone 2 ft. base, $1\frac{1}{2}$ ft. high, in line W. of cor.

Thence I run

N. $0^{\circ} 43'$ W. on a true line bet. secs. 13 and 18.

Over rolling land, through brush.

1.00 Agency draw, dry, 30 lks. wide, course E. Road in wash, br. E. and W.

3.20 Top of small ridge, 30 ft. above valley, brs. E. and W.

6.55 Intersect W. line, Wah-ru-va-guts Allotment, at which point

Set an iron post for C. C. heretofore described.

Thence over level land, through dense undergrowth.

21.50 Road, brs. N. 10° W. and S. 10° E.

39.00 Willow Creek, 30 lks. wide, course N. 20° W.

40.17 $\frac{1}{2}$ Set iron post for $\frac{1}{4}$ cor, with cap stamped

$\frac{1}{4}$ in N.
S 18 in E.
S 13 in W.
1913 in S.

Dig pits 18x18x12 ins. N. and S. of post 3 ft. dist.; and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

45.00 Road, brs. NW. and SE.

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Page

Chains

- 46.35 Leave brush and ascend, brs. NW. and SE.
- 56.17 Intersect E. side of the Wah-ru-va-guts Allotment, at which point
Set an iron post for C. C., heretofore described.
- 69.85 Top of ridge, about 200 ft. above the valley, brs. E. and W.; thence over level land.
- 76.85 Begin descent, brs. NE. and SW. to
- 80.35 Cor. of secs. 7, 12, 13 and 18, which is a sandstone, 18x4x3 ins. above the ground, marked and witnesses as described by G. L. O.
- Land: level and mountainous.
Soil: 2nd and 4th rate.
No timber.
Brush: greasewood.
-
- From the cor. of secs. 7, 12, 13 and 18, T. 12 S., Rgs. 20 E and 21 E., heretofore described,
I run
W. on a random line bet. secs. 12 and 13.
- 39.56 Falls 1 lk. S. of $\frac{1}{2}$ cor. bet. secs. 12 and 13, which is a sandstone 20x8x3 ins., properly marked, set loosely in a small mound of stone; reset stone 15 ins. in the ground, and raise a mound of stone 3 ft. base, 2 ft. high, N. of cor.
- Returning to cor. of secs. 7, 12, 13 and 18, I run N. 89° 59' W. on a true line bet. secs. 12 and 13, E. $\frac{1}{2}$. Descending over barren hillside.
- 10.82 Intersect E. bdy. of the Sat-to-poo-qua-a-cut Allotment. Set iron post for C. C., heretofore described.
- 11.00 Foot of descent, about 150 ft. below sec. cor., brs. N. 10° W. and S. 10° E., thence over level land, through dense brush.
- 11.50 Road, brs. N. 10° W. and S. 10° E.
- 14.00 Willow Creek, 15 lks. wide, course N.
- 36.02 Intersect W. bdy. of Sat-to-poo-qua-a-cut Allotment, at which point
Set an iron post for C. C., heretofore described.

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Page

Chains

39.56 The $\frac{1}{4}$ cor. bet. secs. 12 and 13.

Land: mountainous and level.

Soil: 2nd and 4th rate.

No timber.

Brush: greasewood.

July 12, 1913.

Francis E. Joy,

U. S. Surveyor.

Volume

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R0383

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Page

Washington, D. C., *March 21* 1914.

I hereby certify that the survey of Sat-to-poo-qua-a-cut Allotment No. 256, New Roll No. 355, T. 12 S., R. 20 E., in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumminglon

Topographer in Charge.

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Original oath filed in Book "A".
FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge bearing date of the 14th day of September, 191 2, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy
U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me }
this 6 day of March, 191 4.



Isaac R. Hitt
United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office
OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Washington, D.C., Aug. 10, 191 4.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotment in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington, Topographer in Charge, under his special instructions dated September 14, 191 2, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman

U. S. Surveyor General.
Commissioner of the General Land Office.
Uncompahgre

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

Clay Tallman
U. S. Surveyor General.
Commissioner of the General Land Office

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BOOK A-383

Book "D"

FIELD NOTES

OF THE SURVEY OF THE

To-wa-ye Allotment No. 262, New Roll No. 569, T. 14 S., R. 19 E.,

T. 15 S., R. 19 E. (Uncompahgre Ute Indian Allotment)

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1912,
issued by the ~~United States Surveyor General~~ to govern surveys included in
Group No. _____, which were approved by the Commissioner of the General Land
Office, to A.F. Dunnington, ~~191~~, pursuant to authority contained in the Act of
Topographer in Charge.
~~Congress dated~~ _____, ~~191~~

Survey commenced July 22, 1913

Survey completed July 24, 1913

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

Survey of To-wa-ve Allotment No. 262, New Roll No. 569, in sec. 36, T. 14 S., R. 19 E., and sec. 1, T. 15 S., R. 19 E.

Survey commenced July 22, 1913 by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian described in notes for "Dutchman" Lower Ranch Allotment on Saturday, July 19, 1913.

The iron posts used in this survey are 3 ft. long, 1 in. in diameter, filled with cement and fitted with brass caps, and set 26 ins in the ground, unless otherwise noted.

July 22, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 33'$ on the lat. arc, and $20^{\circ} 21'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 1 of the To-wa-ve Allotment which cor. is a cedar stake set over a cross (+) in a mound of stone on a sandstone in place 20 ft. long, 10 ft. high and 10 ft. wide at the base and 3 ft. wide at the top. No witnesses.

At a point in line 6 lks. S. $3^{\circ} 26'$ E. of cor. point

Set an iron post for W.C. to cor. No. 1, with cap stamped

W C in N.
T 14 S R 19 E S 36 in NW.
A P in E.
COR 1 No 569 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of post.

Original survey reports:

Thence W. 900 ft. or 13.64 chs. to cor. No. 2.

Cor. No. 2 in sight.

Therefore I run

N. $88^{\circ} 36'$ W. on a true line in sec. 36, T. 14 S., R. 19 E.

Across Hill Creek Valley, through brush.

2.40 Road, brs. N. and S.

8.60 Hill Creek, 15 lks. wide, bank 5 ft., course N.

13.64 Cor. No. 2, which is identical with Hill Creek Location Monument No. 3, and is a sandstone in place, $2x2x3$ ft. above ground, marked H C I M 3 on E. face.

Original survey reports:

A cross on rock, brs. S. $34^{\circ} 50'$ W., 65 ft. or 98 lks.

I find

A cross on a sandstone in place, 3 ft. $x24x12$ ins. above ground, brs. S. 37° W., 10 lks. I mark B + O

Note: The dist. formerly reported probably should have been 6.5 ft. or 10 lks.

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Page

T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

Original survey reports:

A cross on a cedar tree 12 ins. diam., brs. N. 49° W.,
22 ft. or 33 lks.

I find

A lead pencil cross on blaze in cedar 12 ins. diam., brs.
N. 49° W., 36 lks. dist., I mark

COR 2 B T

Original survey reports:

A point of rocks, brs. S. 48° E., N. 15° W. and N. 36° E.

I find

A point of rocks, brs. S. 48 $\frac{1}{2}$ ° E., about $\frac{1}{4}$ mile dist.

A point of rocks, brs. N. 15° W., about 15.00 chs. dist.

A point of rocks, brs. N. 35° E., about $\frac{3}{4}$ mile dist.

East and alongside

Set an iron post for W. C. to cor. No. 2, with cap stamped

T 14 S. R. 19 E S 36 A P in N.
W C H C L M 3 in W.
COR 2 No 569 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
E. of cor.

Land: nearly level.

Soil: sandy, 2nd rate.

No timber.

Brush: sage and greasewood.

Original survey reports:

Thence S. 10° 30' E., 1900 ft. or 28.79 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. 10° 35' E. on a true line in sec. 36

Along base of mountain, through brush.

29.65 Cor. No. 3, which is a stake in a mound of stone on the
point of a spur about 50 ft. above the valley. No
marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

T 14 S R 19 E S 36 A P in W.
COR 3 No 569 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

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Page

T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

Land: rolling at the base of mountain.
Soil: gravelly and stony, 2nd and 4th rate.
No timber.
Brush: sage and greasewood.

Original survey reports:

Thence S. 1° 30' E., 1400 ft. or 21.21 chs. to cor. No. 4.
Cor. No. 4 in sight.

Therefore I run

S. 1° 50' E. on a true line in sec. 36.

Over rolling land at base of mountain, through brush.

3.30 Drain from canyon, course E.

11.23 Intersect N. bdy. of Tp. 15 S., R. 19 E., at a point bet.
 $\frac{1}{2}$ cor. bet. secs. 1 and 36 and cor. of secs. 1, 2, 35
and 36, from which $\frac{1}{2}$ cor., as determined by me, brs.
S. 89° 42' E., 9.12 chs. At this point

Set an iron post for C. C. secs. 1 and 36, Tps. 14 and
15 S., Rg. 19 E., with cap stamped

T 14 S R 19 E S 36 in NW.
C C in W.
T 15 S S 1 in SW.
No 569 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Thence in sec. 1.

21.43 Cor. No. 4, which is a cross (+) on a sandstone in place,
4x2x2 ft., marked COR 4 near the cross.

Original survey reports:

A cross on a rock, brs. S. 45° W., 4 ft. or 6 lks. ^{dist.} I find
A cross on a sandstone in place, 4x3x2 ft., brs. S. 43 $\frac{1}{2}$ ° W.
6 lks. dist. I mark

B + O

Original survey reports:

Points of rocks, brs. S. 33 $\frac{1}{2}$ ° E., and N. 64° W. I find
A point of rock, brs. S. 34° 7' E., about $\frac{1}{2}$ mile dist.
A point of rocks, brs. N. 64 $\frac{1}{2}$ ° W., about 10.00 chs. dist.
Set an iron post E. and alongside
W. C. to cor. No. 4, with cap stamped

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Page

T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

T 15 S R 19 E S 1 W C in W.
COR 4 No 569 in E.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: rolling and broken at edge of mountain.
Soil: stony, 4th rate.
No timber.
Brush: greasewood and sage brush.

July 22, 1913. At this cor. I set off 20° 19' N. on the decl. arc and at 12 h. 6 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is 39° 33'.

Original survey reports:

Thence S. 71° 30' E., 760 ft. or 11.52 chs. to cor. No. 5.
Cor No. 5 in sight.

Therefore I run

S. 72° 8' E. on a true line in sec. 1.

Across Hill Creek Valley, through brush.

- 6.90 Spring drain, course N.; water 2 ins. deep; 2 lks. wide.
- 9.80 Hill Creek, 20 lks. wide, water 6 ins. deep; course N. 10° W.
- 11.10 Road, brs. N. 10° W. and S. 10° E.
- 11.30 Cor. No. 5, which is a stake in a mound of stone on the edge of a perpendicular ledge about 20 ft. above the valley. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 5, with cap stamped

COR 5 No 569 in NW.
T 15 S R 19 E S 1 A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Land: nearly level.
Soil: sandy and gravelly, 2nd and 3rd rate.
No timber.
Brush: willows and sage.

Original survey reports:

Thence N. 3° 21' 40" W., 3282.8 ft. or 49.73chs. to cor.

No. 1, place of beginning.

Therefore I run

N. 3° 22' W. on a random line.

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T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

- 53.89 Falls 6 lks. ^{the right} to_{of} cor. No. 1.
Returning to cor. No. 1 I run
N. 3° 26' W. on a true line through sec. 1.
Over rolling and broken land, along base of mountain,
scattering trees.
- 13.67 Intersect N. bdy. of Tp. 15 S., R. 19 E., at a point from
which the $\frac{1}{4}$ cor. bet. secs. 1 and 36 as reported, brs.
S. 89° 57' W., 1.14 chs. dist. At this point
Set an iron post for C. C. of secs. 1 and 36, with cap
stamped

No 569 in W.
T 14 S R 19 E S 36 in NE.
C C in E.
T 15 S S 1 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
E. of cor.

Thence in sec. 36.

- 35.75 Top of ledge, 60 ft. high, brs. nearly along line.
42.20 Top of spur slopes W. about 40 ft. above valley.
53.89 Cor. No. 1 heretofore described and place of beginning.

Land: mountainous.
Soil: stony, 4th rate.
Timber: scattering cedar and pinon.

July 22, 1913.

July 23, 1913. Hunted all day for sec. cors.

July 24, 1913. At 8 a.m. l.m.t. I set off 39° 33' on the
lat. arc and 19° 56' N. on the decl. arc, and determine
a meridian with the solar at the cor. of secs. 1, 2,
35 and 36, Tps. 14 and 15 S., Rg. 19 E., which is a
sandstone 18x10x8 ins., properly marked and witnessed by
a small mound of stone. I reset stone and mark the
following B. Ts.

- A cedar 10 ins. ^{in diam. brs.} N. 61° E., 185 lks., dist.,
Marked T 14 S ^{in diam. brs.} R 19 E S 36 B T
Douglas fir 12 ins. ^{in diam. brs.} S. 55 $\frac{1}{2}$ ° E., 120 lks., dist.,
Marked T 15 S R 19 E S 1 B T
A cedar 10 ins. ^{in diam. brs.} S. 85 $\frac{1}{2}$ ° W., 84 lks. dist.,
Marked T 15 S R 19 E S 2 B T
A pinon 12 ins. ^{in diam. brs.} N. 52 $\frac{1}{2}$ ° W., 107 lks. dist.,
Marked T 14 S R 19 E S 35 B T

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Page

T. 14 S., R. 19 E.
T. 15 S., R. 19 E.

Chains

Thence I run

N. 89° 57' E., on a random line, bet. secs. 1 and 36.

40.30 Falls 24 lks. N. of $\frac{1}{4}$ cor. bet. secs. 1 and 36.

Returning to cor. of secs. 1, 2, 35 and 36. I run

S. 89° 42' E., on a true line bet. secs. 1 and 36, W. $\frac{1}{4}$.

Along mountain side on S. side of canyon, through scattering timber.

.20 Draw, course NE.

26.30 Begin descent, leave timber, brs. N. and S.

29.30 Foot of descent, about 125 ft., thence over level land, through brush.

31.18 Intersect To-wa-ve Allotment at a point from which cor. No. 3, brs. N. 1° 50' W., 11.23 chs. dist. At this point

Set an iron post for C. C., heretofore described.

37.90 Hill Creek, 20 lks. wide, course N.

38.50 Road, N. and S.

40.30 ^{The}
[^] $\frac{1}{4}$ cor. bet. secs. 1 and 36, which is a sandstone 18x10x3 ins.; marks nearly obliterated, set in a mound of stone. I remark and set stone, and raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: level and mountainous.

Soil: gravelly and stony, 2nd and 4th rate.

Timber: Pinon.

Brush: sage and willows.

I failed to find cor. of Tps. 14, 15 S., Rgs. 19 and 20 E. and inasmuch as the intersection of the allotment line was so close to the $\frac{1}{4}$ cor. above described, I ran on reported course of

N. 89° 57' E., bet. secs. 1 and 36, E. $\frac{1}{4}$.

Over level land, slightly ascending through brush.

1.14 Intersect E. bdy. of To-wa-ve Allotment at a point from which cor. No. 5, brs. S. 3° 26' E., 13.67 chs. dist.

At this point

Set an iron post for C. C., secs. 1 and 36, marked and witnessed as heretofore described.

Land: level.

Soil: gravelly, 2nd rate.

No timber. Sage brush.

July 24, 1913.

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Page

General Description.

The To-wa-ve Allotment lies along the narrow valley of Hill Creek. The mountains rise abruptly on either side, very rough and rugged, covered with timber from the edge of the valley.

The allotment covers what is locally known as a rye grass meadow, this lying in the northern portion of the allotment. The balance is covered with a dense growth of brush.

The soil is a dark sandy loam and will produce a good crop of small grain if irrigated.

No indications of settlement or improvements.

Francis E. Joy,

U. S. Surveyor.

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DIRECTIONS:—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.
 2. In balancing lat. and Dep. do not obliterate or change the original figures: but put below them the corrected footing in red ink.
 Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.
 The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. I. O.

TABLING AND CALCULATIONS OF *Shoona-see-All-Fountain No. 262, Clear Run No. 579, sec. 4, T. 153, R. 19 E., and sec. 36 T. 14 S, R. 19 E.*

No.	COURSE	DISTANCE	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1. 1 2	N. 88° 36' W.	1364	33						
2. 2 3	S. 10° 35' E.	2965		2917	545		1365		450
3. 3 4	S. 1° 50' E.	2143		2144	69		2185	63736	
4. 4 5	S. 72° 8' E.	1130		2144	1074		1571	33682	
5. 5 1	N. 3° 26' W.	5389	5375	347	2875		428	1485	
			542			323	323	17361	
			5408	5408	1688	1688		116264	450
								450	
								2115814	
								1057907	
								5791	area.

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Washington, D. C., *March 21* 1914.

I hereby certify that the survey of To-wa-ve Allotment No. 262, New Roll No. 599, T. 14 S., R. 19 E., and T. 15 S., R. 19 E., in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Dunnington

Topographer in Charge.

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Original oath filed in Book "A".
FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy
U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me }
this 6 day of March, 1914.



Isaac R. Hitt
United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office
OFFICE OF THE ~~UNITED STATES SURVEYOR GENERAL~~
Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotment in the state of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A. F. Dunnington, Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman
~~U. S. Surveyor General~~
Commissioner of the General Land Office.

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

~~U. S. Surveyor General~~
Commissioner of the General Land Office.

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Note:
This allotment was surveyed, monumented and marked for allotment 358. The records of the Indian office should be corrected to be 357, therefore this record will stand for allotment No 357.

BOOK A-383

Book "E"

FIELD NOTES

OF THE SURVEY OF THE

Yah-poots Allotment No. 261, New Roll No. 358, Secs. 24-26, T. 13 S., R. 19 E.

(Uncompahgre Ute Indian Allotment).

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1913, issued by the United States Surveyor General to govern surveys included in Group No. _____, which were approved by the Commissioner of the General Land Office, to A.F. Dunnington, 1913, pursuant to authority contained in the Act of Congress dated _____, 1911.

Survey commenced July 25, 1913

Survey completed July 25, 1913

BOOK 4088

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Survey of Yah-poots Allotment No. 261, New Roll No. 358, in secs. 24 and 25, T. 13 S., R. 19 E.

Survey commenced July 25, 1913 by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long, 1 in. in diameter, filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

July 25, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 40'$ on the lat. arc, and $19^{\circ} 44'$ N. on the decl. arc, and determine a meridian with the solar at Hill Creek Location Monument No. 2, which I find to be a sandstone $36 \times 18 \times 3$ ins., set in a mound of stone.

Original survey reports this rock to be 60 ins. long, and the rock indicated that it had been broken, and I was unable to find any marks.

Original survey reports:

A cross on rock, brs. S. $63^{\circ} 40'$ W., 4.8 ft. dist., which agrees.

Cor. is on bluff about 40 ft. above the creek.

Original survey also reports:

Point of rocks, brs. S. 3° E. and N. 89° E. I find

A point of rocks, brs. S. 3° E., about 1 mile dist.

A point of rocks 100 ft. high, brs. N. 89° E. about 5.00 chs. dist.

Original survey reports:

From cor. No. 4, Hill Creek Location Monument No. 2, brs. S. $75^{\circ} 45'$ W., 155 ft. or 2.35 chs. dist., which agrees with my findings; also that cor. No. 4 is a mound of stone. No marks.

Original survey reports:

A cross on a rock, brs. N. $85^{\circ} 30'$ E., 21.4 ft. or 32 lks. dist. I find

A cross on a sandstone in place, 4 ft. $\times 12 \times 12$ ins., brs. N. $85^{\circ} 30'$ E., 32 lks. dist. I mark B + O

In the center of mound

Set an iron post for cor. No. 4, with cap stamped

COR 4 No 358 in W.
T 13 S R 19 E S 24 A P in NE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line SE. of cor.

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Chains

Original survey reports:

Thence S. $42^{\circ} 40'$ E., 595 ft., or 9.02 chs. to cor. No. 3.
Cor. No. 3 in sight.

Therefore I run

S. $42^{\circ} 55'$ E. on a true line in sec. 24.

Descending over barren land.

1.90 Foot of descent, about 50 ft., brs. E. and W.

Thence over rolling land, through brush.

4.30 Wire fence, brs. N. 70° E. and S. 70° W.

4.65 Intersect line bet. secs. 24 and 25 at a point from which
cor. of secs. 19, 24, 25 and 30, Tps. 13 S., Rgs. 19
and 20 E. brs., as determined by me, S. $89^{\circ} 59'$ E.,
10.84 chs. dist., hereinafter described.

At point of intersection

Set an iron post for C. C., secs. 24 and 25, with cap
stamped

No 358 in W.
T 13 S S 24 in NE.
C C in E.
R 19 E S 25 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
E. of cor.

9.28 Thence in sec. 25.
Cor. No. 3, which is a sandstone in place, 16x14x7 ins.
above ground, marked COR No 3; on top a few loose rock
around cor.

North and alongside

Set an iron post for W. C. to cor. No. 3, with cap stamped

COR 3 No 358 in W.
T 13 S R 19 E S 25 A P in E.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
S. of cor.

Land: rough.
Soil: stony and gravelly, 4th rate.
No timber.
Brush: sage.

Original survey reports:

Thence S. $3^{\circ} 30'$ W., 1140 ft. or 17.28 chs. to cor. No. 2.
Cor. No. 2 in sight.

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Page

Chains

Therefore I run

S. 2° W. on a true line, through sec. 25.

Over rolling land, along base of mountain and through sage
and scattering clumps of willows.

16.90 Drain from canyon, course NW.

17.83 Cor. No. 2, which is a blazed stake in a mound of stone.

No marks or witnesses. In the center of mound

Set an iron post for cor. No. 2, with cap stamped

COR 2 No 358 in NW.

T 13 S R 19 E A P S 25 in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
W. of cor.

Land: rolling.

Soil: gravelly and stony, 2nd and 4th rate.

No timber.

Brush: sage and willows.

Original survey reports:

Thence N. 86° W., 890 ft. or 13.48 chs. to cor. No. 1.

Cor. No. 1 in sight.

Therefore I run

N. 87° 4' W. on a true line through sec. 25.

Across Hill Creek Valley, through scattering clumps of
willows.

4.20 Hill Creek, 30 lks. wide, banks ^{high} 6 ft. _A course N.

6.50 Road, brs. N. and S.

8.50 L. A. Woodruff's log cabin, brs. S., 6 lks. dist.

8.70 Enter dense willow brush, brs. N. and S.

13.80 Cor. No. 1, which is a stake standing adjacent to a
sandstone in place, 8x5x4 ft., marked with a cross (+)
on SE. cor. East and alongside of stone

Set an iron post for W. C. to cor. No. 1, with cap stamped

T 13 S R 19 E W C S 25 A P in W.

COR 1 No 358 in NE.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line
N. of cor.

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Survey of Yah-poots Allotment No. 261, New Roll No. 358.

Secs. 24-25, T. 13 S., R. 19 E.

Chains

Original survey reports:

Thence N. 1° 41' 50" W., 2305 ft., or 34.93 chs. to cor. No. 5.

It is impracticable to run this line as reported because of a spur of ridge about 200 ft. above the valley.

Therefore I run with a traverse line as follows:

N. 65° 30' E., 5.70 chs. along base of mountain, through dense willows.

Thence

N. 15° 30' E., 8.20 chs. along the barren base of mountain.

Thence

N. 75° 15' W., 8.90 chs. along base of mountain.

Thence

N. 6° 24' E., 22.34 chs. to cor. No. 5.

Therefore the true line from cor. No. 1 to cor. No. 5 is as follows:

N. 2° 5' E. on a true line through sec. 25.

Over mountainous land; barren.

12.40 Foot of mountain, bns. NW. and E.; thence over level land, through sage brush.

19.15 Wire fence, bns. E. and W.

20.45 Intersect line bet. secs. 24 and 25 at a point from which the $\frac{1}{4}$ cor. ^{secs. 24-25} bns. N. 89° 59' W., 18.62 chs. dist., hence after described. At this point

Set an iron post for C. C., secs. 24 and 25, with cap stamped

T 13 S S 24 in NW.
C C in W.
R 19 E S 25 in SW.
No 358 in E.
1913 in S.

Dig pits 24x18x12 ins. N. and S., 3 ft. ^{dist.} and W. of post 7 ft. dist., and raise a mound of earth 4 ft. base, 2 ft. high, W. of cor.

Thence in sec. 24.

33.55 Drain from canyon, course N. 70° E.

34.75 Cor. No. 5, which is marked on the face of a sandstone ledge about 15 ft. high. The marks are about 3 ft.

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Chains

above ground and have been nearly obliterated by pounding with a stone or some other hard substance; however the figure 5 is very plain and COR could be made out. I remark in the old marks, and South and alongside of true point

Set an iron post for W. C. to cor. No. 5, with cap stamped

T 13 S R 19 E S 24 in N.
W C A P in W.
COR 5 No 358 1913 in SE.

Raise a mound of stone 3 ft. base, 2 ft. high, in line SE. of post.

Land: level and mountainous.

Soil: sandy and stony, 2nd and 4th rate.

No timber.

Brush: sage and greasewood.

Original survey reports:

Thence S. $31^{\circ} 30'$ E., 930 ft. or 14.10 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 32° E. on a true line through sec. 24.

Across Hill Creek Valley, through rye grass and willow brush.

6.90 Hill Creek, 20 lks. wide, course N.

11.00 Road, brs. N. and S.

11.60 Leave valley and ascend about 75 ft. to cor., brs. N. and S.

12.79 Cor. No. 4, place of beginning, heretofore described.

Land: level valley and mountainous.

Soil: sandy, 2nd rate; stony, 4th rate.

No timber.

Brush: willows.

July 25, 1913.

July 25, 1913. At my camp near S. line of this allotment I set off $19^{\circ} 41'$ N. on the decl. arc, and at 12 h. 6 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is $39^{\circ} 40'$.

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Retracement of line bet. secs. 24 and 25 (E. $\frac{1}{2}$)

T. 13 S., R. 19 E.

Chains

July 25, 1913. At 1:30 p.m. l.m.t. I set off $33^{\circ} 40'$ on the lat. arc, and $19^{\circ} 40'$ N. on the decl. arc and determine a meridian with the solar at the $\frac{1}{2}$ cor. bet. secs. 24 and 25, which notes from G. L. O. describe as a pinon pine tree 8 ins. diam., properly marked, from which
 in diam. brs.
 A pinon 10 ins. N. 25° E., 40 lks. dist.
 in diam. brs.
 A pinon 9 ins. S. 20° E., 60 lks. dist.

I find

A pinon 8 ins. diam., blazed on N. face.

No marks. I mark $\frac{1}{2}$ S. in blaze from which
 in diam.A pinon 10 ins., brs. N. 35° E., 47 lks. dist.
 Properly marked.A pinon 9 ins. S. $6\frac{1}{2}^{\circ}$ E., 63 lks. dist.
 Properly marked.

Also a sandstone $18 \times 14 \times 4$ ins. set about 5 ins. in the ground, marked $\frac{1}{2}$ on N. face, brs. S. $76\frac{1}{2}^{\circ}$ E., 34 lks. dist.

Inasmuch as G. L. O. notes call for a tree cor. I retrace from tree cor.

Thence I run

N. $89^{\circ} 56'$ E. on a random line bet, secs. 24 and 25, E. $\frac{1}{2}$.

39.96 Falls 6 lks. N. of cor. of secs. 19, 24, 25 and 30.

Returning to $\frac{1}{2}$ cor. I runS. $89^{\circ} 59'$ E. on a true line bet, secs. 24 and 25.

Over rolling land, through low pinon timber.

6.70 Begin steep descent and leave timber, brs. N. and S.

14.30 Foot of descent, about 500 ft., brs. N. and S.

Thence over nearly level land, rye grass and brush.

18.62 Intersect W. bdy. of Yah-poots Allotment at a point from which cor. No. 5, brs. N. $2^{\circ} 5'$ E., 14.30 chs. dist.

At point of intersection

Set an iron post for C. C. secs. 24 and 25, heretofore described.

20.90 Road, brs. N. and S.

22.40 Hill Creek, 15 lks. wide, course N.

28.90 Wire fence, brs. N. 70° E. and S. 70° W. Soon W.

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Page

Retracement of line bet. secs. 24 and 25 (E. 1/2)

T. 13 S., R. 19 E.

Chains	
29.12	Intersect E. bdy. of Yah-poots Allotment at a point from which cor. No. 4 brs. N. 42° 55' W., 4.65 chs. dist. At point of intersection Set an iron post for C. C. secs. 24 and 25, heretofore described.
32.80	Drain, from canyon, course SW. Drain soon spreading out over level land.
34.10	Begin ascent, brs. S. and NW. Leave valley.
39.96	Cor. of secs. 19, 24, 25 and 30, Tp. 13 S., Rgs. 19 and 20 E., which is a sandstone 20x12x3 ins., marked and witnessed as described by G.L.O. Land: mountainous and level. Soil: stony and sandy, 1st and 4th rate. Timber: pinon. Brush: sage and willows.

July 25, 1913.

General Description.

This allotment lies along the narrow valley of Hill Creek, bordered and practically fenced on either side by broken and abrupt mountains. The valley land soil is sandy, 1st and 2nd rate.

The land in the Northern part of the allotment and west of the creek is covered with rye grass and is being cut for hay. East of the creek the land is under cultivation, at present sowed to oats, a good wire fence crosses the canyon just south of sec. line, and a stable and hay corral at end of the spur on west side are ^{the} improvements that have been placed on this allotment by L. A. Woodruff, a homestead entryman.

Francis E. Joy,

U. S. Surveyor.

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Washington, D. C., *March 21* 1914.

I hereby certify that the survey of Yah-poots Allotment No. 261, New Roll No. 358, T. 13 S., R. 19 E., in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Dunnington

Topographer in Charge.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy, U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me } this 3 day of March, 1914.



Isaac R. Hitt, United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office, OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotment in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington, Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman, U.S. Surveyor General, Commissioner of the General Land Office

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

Handwritten signature/initials

Handwritten signature of Clay Tallman, U.S. Surveyor General, Commissioner General Land Office

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BOOK A-383

Book "F"

FIELD NOTES

OF THE SURVEY OF THE

~~Yah-poots Allotment No. 261, New Roll No. 358,~~

~~T. 13 S., Rgs. 19 E. and 20 E.~~

~~(Uncompahgre Ute Indian Allotment)~~

Of the ~~Salt Lake Base and~~ Meridian,

In the State of ~~Utah~~

EXECUTED BY

~~Francis E. Joy~~

In the capacity of U. S. Surveyor, under instructions dated ~~September 14~~, 1912.

issued by the ~~United States Surveyor-General to govern surveys included in~~

~~Group No. , which were approved by the Commissioner of the General Land~~

~~Office, to A. F. Dunnington, 191, pursuant to authority contained in the Act of~~

~~Topographer in Charge.~~
~~Congress dated , 191~~

Survey commenced ~~July 27~~, 1912

Survey completed ~~July 28~~, 1912

Note:
This allotment was surveyed, monumented and marked for allotment 358. The records of the Indian office show it to be 357, therefore this record will stand for allotment No 357.

BOOK A-383

INDEX DIAGRAM.

Township _____, Range _____

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Chains

Survey of Yah-poots Allotment No. 261, New Roll No. 358, in secs. 1, 6, 7 and 12, T. 13 S., Rgs. 19 E. and 20 E.

Survey commenced July 27, 1913 by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long, 1 in. in diameter, filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

July 27, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 43'$ on the lat. arc and $19^{\circ} 17'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 1, which is a sandstone $12 \times 10 \times 8$ ins., set in a mound of stone. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 1, with cap stamped

COR 1 No 358 in SW.
T 13 S R 20 E S 6 A P in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Original survey reports:

Thence S. $77^{\circ} 50'$ W., 1000 ft. or 15.15 chs. to cor. No. 2.

Cor. No. 2 in sight.

Therefore I run

S. $76^{\circ} 46'$ W. on a true line, through sec. 6.

Across Hill Creek Valley, descending.

1.80 Foot of descent, about 40 ft. below cor., brs. N. and S.

Thence over level land, through brush.

13.90 Hill Creek, 40 lks. wide, course from SE. to N. 10° E.

14.03 Intersect line bet. secs. 1 and 6, T. 13 S., Rgs. 19 and 20 E. at a point from which the cor. of Tps. 12 and 13 S. Rgs. 19 and 20 E., brs. (as determined by me) N. $0^{\circ} 38'$ W. 4.77 chs. dist. The point of intersection falling in Hill Creek, therefore at a point N. $0^{\circ} 38'$ W., 1.47 chs.

Set an iron post for W.C. C.C., secs. 1 and 6, with cap stamped

C C T 13 S in N.
R 19 E S 1 in NW.
R 20 E S 6 in NE.
No 358 W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Thence in sec. 1.

14.50 Road, brs. N. 10° W. and S.

Leave brush, brs. N. and S.

Thence slight ascent over barren land.

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Page

Chains

15.27 Cor. No. 2, which is identical with Hill Creek Location Monument No. 1, and is a sandstone 4 ft. x 12 x 6 ins. in a mound of stone, marked H C L M 1 & 7-4-98.

Original survey reports:

Peaks on divide bet. Hill & Willow Creeks, brs. S. 88° 50' E., and S. 61° E.

I find

Peak on Hill & Willow Creek divide, brs. S. 88° 50' E., about 1½ mile dist.

Peak on same divide, brs. S. 62° E., about 1½ mile dist.

Original survey reports:

Mosby mountain, brs. N. 11° 40' W. I find that this bearing practically intersects top of mountain about 30 or 40 miles dist. I did not know whether it was Mosby mountain or not. To further perpetuate this cor., N. and alongside

Set an iron post for W. C. to cor No. 2, with cap stamped

T 13 S R 19 E S 1 in W.
H C L M No 1 A P in NE.
COR 2 No 358 in SE.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line E. of cor.

Land: nearly level.

Soil: gravelly and stony, 3rd rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence S. 6° W., 1650 ft. or 25.00 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. 6° 3' W. on a true line through sec. 1.

Along edge of bluffs, about 30 ft. above valley.

11.20 Bluff 40 ft. high, alongside canyon, descending to

13.90 Drain from canyon, course E.

15.20 Bluff, 25 ft. high.

Leave canyon, thence along the edge of bluffs, along Hill Creek.

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Survey of Yah-poots Allotment No. 261, New Roll No. 358.

T. 13 S., Rgs. 19 E. and 20 E.

Chains

- 17.30 Descend bluff 25 ft., thence over rolling land at base of same, and through greasewood.
- 26.00 Begin ascent; leave brush.
- 27.29 Cor. No. 3, which is a stake in a mound of stone on a bluff about 30 ft. high. No marks or witnesses.
- In the center of the mound
- Set an iron post for cor. No. 3, with cap stamped
- T 13 S R 19 E S 1 A P in W.
COR 3 No 358 in E.
1913 in S.
- Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.
- Land: rough and broken.
Soil: stony, 4th rate.
No timber.
Brush: greasewood, 8.70 chs.; balance barren.
-
- Original survey reports:
- Thence S. 19° E., 1050 ft. or 15.91 chs. to cor. No. 4.
- Cor. No. 4 in sight.
- Therefore I run
- S. 19° 52' E. on a true line in sec. 1.
- Along edge of Hill Creek bluffs.
- 13.31 Intersect line bet. secs. 1 and 6, T. 13 S., Rgs. 19 and 20 E. at a point from which the cor. of secs. 1, 6, 7 and 12 hrs., as determined by me, S. 0° 38' E., 35.30 chs. dist. At point of intersection
- Set an iron post for C. C. secs. 1 and 6, with cap stamped
- C C T 13 S in N.
R 19 E S 1 in NW.
R 20 E S 6 No 358 in NE.
1913 in S.
- Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.
- Thence in sec. 6.
- 13.90 Descend about 40 ft. to
- 16.21 Cor. No. 4, which is a mound of stone on ledge about 10 ft. high, stake lying under ledge. No marks or witnesses.
- In the center of the mound
- Set an iron post for cor. No. 4, with cap stamped

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Survey of Yah-poots Allotment No. 261, New Roll No. 358.

T. 13 S., Rgs. 19 E. and 20 E.

Chains

T 13 S. R 20 E S 6 A P in W.
COR 4 No 358 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Original survey reports:

Thence S. 23° W., 2575 ft. or 39.02 chs. to cor. No. 5.

Cor. No. 5 in sight.

Therefore I run

S. 22° 26' W. on a true line in sec. 6.

Along the edge of Hill Creek bluffs.

2.55 Intersect line bet. secs. 1 and 6, T. 13 S., Rgs. 19 and 20 E. at a point from which the cor. of secs. 1, 6, 7 and 12 hrs., as determined by me, S. 0° 38' E., 30.20 chs.

At point of intersection

Set an iron post for C. C. secs. 1 and 6, with cap stamped

C C T 13 S in N.
R 19 E S 1 in NW.
R 20 E S 6 in NE.
No 358 in SE.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Thence in sec. 1 over gently rolling land, through brush.

10.00 Mouth of side canyon, course E.

16.50 Point of bluffs, 30 ft. high, near line on W. side.

35.61 Intersect line bet. secs. 1 and 12, T. 13 S., R. 19 E. at a point from which the cor. of secs. 1, 6, 7 and 12, T. 13 S., R. 19 and 20 E., as determined by me hrs.

N. 87° 57' E., 12.82 chs. dist. At point of intersection

Set an iron post for C. C. secs. 1 and 12, with cap stamped

T 13 S. S 1 in NW.
C C in W.
R 19 E S 12 in SW.
No 358 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Thence in sec. 12.

35.80 Drain from canyon, course E.

40.00 Cor. No. 5, which is a mound of stone, stake lying nearby,
No marks or witnesses. In the center of the mound

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Page

Chains

Set an iron post for cor. No. 5, with cap stamped

T 13 S R 19 E S 12 in W.
COR 5 No 358 in NE.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: rolling.

Soil: gravelly, 2nd and 3rd rate.

No timber.

Brush: greasewood and sage.

July 27, 1913. At this cor. I set off $19^{\circ} 15'$ N. on the decl. arc, and at 12 h. 6 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is $39^{\circ} 42'$.

Original survey reports:

Thence N. $84^{\circ} 10'$ E., 915 ft. or 13.87 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

N. $83^{\circ} 38'$ E. on a true line in sec. 12.

Across Hill Creek Valley, through brush.

2.90 Road, brs. N. and S.

12.20 Hill Creek, 15 lks. wide, course N.

12.60 Leave brush, and gradually ascend over barren land, brs. N. and S.

14.36 Cor. No. 6, which is a stake in a mound of stone. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 6, with cap stamped

COR 6 No 358 in NW.
T 13 S R 19 E S 12 in E.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

Land: level and rolling.

Soil: sandy and gravelly, 2nd and 3rd rate.

No timber.

Brush: sage and greasewood.

Original survey reports:

N. $10^{\circ} 00' 30''$ E., 5201.7 ft. or 78.81 chs. to cor. No. 1.

I run

N. 10° E. on a random line.

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Page

Chains

- 82.32 Falls 1.22 lks. to ^{the right} of cor. No. 1.
 Returning to cor. No. 6, I run
 N. 5° 9' E. on a true line in sec. 12.
 Over rolling barren land.
- 2.06 Intersect line bet. secs. 7 and 12, T. 13 S., R. 19 and
 20 E. at a point from which the cor. of secs. 1, 6, 7
 and 12, brs. N., 84 lks. dist. At point of intersection
 Set an iron post for C. C. of secs. 7 and 12, with cap
 stamped
- No 358 R 19 E S 12 in W.
 R 20 E S 7 in E.
 T 13 S C C 1913 in S.
- Raise a mound of stone 3 ft. base, 2 ft. high, in line
 S. of cor.
- Thence in sec. 7.
- 2.91 Intersect line bet. secs. 6 and 7, T. 13 S., R. 20 E.,
 at a point from which the cor. of secs. 1, 6, 7, and 12,
 T. 13 S., Rgs. 19 and 20 E., brs. W. 13 lks. dist.,
 At point of intersection
 Set an iron post for C. C. of secs. 6 and 7, with cap
 stamped
- No 358 in W.
 T 13 S S 6 in NE.
 C C in E.
 R 20 E S 7 in SE.
 1913 in S.
- Raise a mound of stone 3 ft. base, 2 ft. high, in line
 E. of cor.
- Thence in sec. 6. Descending 60 ft. to
- 5.50 Drain, course W. Ascend.
- 8.00 Top of ascent, 70 ft. above drain, brs. E. and W.
- 10.65 Descend perpendicular 70 ft., brs. N. 20° E. and S. 20° E.
 bluff
- Thence over level land, through brush.
- 16.00 Hill Creek, 15 lks. wide, course NE.
- 18.60 Same creek, course NW.
- 33.60 Small drain, course W.
- 44.50 Drain, course W. Leave brush, thence over rolling barren
 land, brs. N. 20° W. and S. 20° E.
- 72.80 Draw, course NW.

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Page

Chains

79.80 Draw, course NE. Ascend to
 82.32 Cor. No. 1, place of beginning, heretofore described.

Land, rolling and broken.
 Soil, stony, 3d and 4th rate.
 No timber.
 Brush, greasewood.

July 27, 1913.

E. bdy. and portion of S. bdy., sec. 1,
 T. 13 S., R. 19 E.

July 28, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 43'$ on the lat. arc, and $19^{\circ} 4'$ N. on the decl. arc, and determine a meridian with the solar at the cor. of Tps. 12 and 13 S., Rgs. 19 and 20 E., which is a sandstone $18 \times 12 \times 4$ ins. above ground, marked 12 S on N., 13 S on S., 19 on W., 20 E on E., properly notched and witnessed by a mound of stone S. of cor.

Thence I run

S. on a random line bet. secs. 1 and 6.

40.00 No trace of the $\frac{1}{4}$ sec. cor. is found. Set temp. cor.

80.02 Falls 88 lks. W. of cor. of secs. 1, 6, 7 and 12.

Returning to cor. of Tps. 12 and 13 S., Rgs. 19 and 20 E.,

I run

S. $0^{\circ} 36'$ E. on a true line bet. secs. 1 and 6.

Over level land, through brush.

1.00 Hill Creek, 15 lks. wide, course N. 10° W.

Seeing that the true point for C.C. of secs. 1 and 6 at intersection with N. bdy. of Yah-poots falls in Hill Creek, therefore at

3.30 Set an iron post for W.C. to C.C. of secs. 1 and 6, heretofore described.

4.77 Intersect N. bdy. of Yah-poots Allotment at a point from which cor. No. 2 hrs. S. $76^{\circ} 46'$ W., 124 lks. dist. True point for C.C. cor. falls in Hill Creek, 40 lks. wide; therefore

Set W.C. as heretofore described.

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Survey of Yah-poots Allotment No. 261, New Roll No. 358.

T. 13 S., Rgs. 19 E. and 20 E.

Chains

- 14.50 Hill Creek, 20 lks. wide, course NE.
- 18.00 Same creek, course N. 30' W.
- 26.80 Bend in same creek, course N. 10° E. from S. 10° E.
- 30.30 Bend in same creek, course N. 10° E. from S. 10° E.
- 40.01 Make diligent search for $\frac{1}{4}$ cor. No trace of same. Inasmuch as I did not have an iron post for this cor.
Set a sandstone 18x9x5 ins., 14 ins. in the ground, marked $\frac{1}{4}$ S on W. face.
Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.
- 40.40 Road, brs. N. 20° W. and S. 20° E.
- 41.80 Leave brush and valley. Ascend over barren land, brs. N. 20° W. and S. 20° E.
- 43.50 Top of ascent, about 50 ft. above valley, brs. N. 20° W. and S. 20° E.
- 44.72 Intersect W. bdy. of Yah-poots Allotment at a point from which cor. No. 4 brs. S. 19° 52' E., 2.90 chs. dist.
At the point of intersection
Set an iron post for C. C. of secs. 1 and 6, heretofore described.
- 48.90 Bluff about 75 ft. high, brs. N. 20° E. and S. 30° W.
Thence over level land, through brush.
- 49.82 Intersect W. bdy. of allotment (Yah-poots) at a point from which cor. No. 4 brs. N. 22° 26' E., 2.55 chs. dist.
At the point of intersection
Set an iron post for C. C. of secs. 1 and 6, heretofore described.
- 51.00 Road, brs. NE. and S. 10° W.
- 68.80 Hill Creek, 15 lks. wide, course NE. Ascend.
- 74.20 Top of barren spur on end of ridge, 40 ft. above valley.
Descend to
- 76.60 Drain, from canyon, course W. Ascend over barren lands to
- 80.02 Cor. of secs. 1, 6, 7 and 12, which is a sandstone 18x10x4 ins., properly marked and witnessed as described by G.L.O.
Land: level and broken.
Soil: sandy and stony, 2nd and 4th rate.
No timber. Brush: greasewood, willows and sage.

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Page

Chains

From cor. of secs. 1, 6, 7 and 12, T. 13 S., Rgs. 19 and 20 E., heretofore described, ~~xxxx~~ the $\frac{1}{4}$ cor. bet. secs. 1 and 6, being visible

I run
S. 87° 57' W. on a true line bet. secs. 1 and 12.
Descending over barren land.

3.20 Foot of descent, brs. N. and S. about 40 ft. below cor.
Thence over level land, through brush.

4.70 Hill Creek, 15 lks. wide, course N.

12.50 Road, brs. N. and S.

12.82 Intersect W. bdy. of Yah-poots Allotment at a point from
which cor. No. 5 brs.

S. 22° 26' W., 4.39 chs. dist. At the point of inter-
section

Set an iron post for C. C. of secs. 1 and 12, heretofore
described.

15.70 Drain, course S. 80° E. Ascend over barren lands, Brs.
N. and S.

19.20 Top of ascent, about 75 ft. above the valley. Thence
along side of hill to

26.90 Canyon 40 ft. deep, 2.00 chs. wide, course N. 60° E.
Thence gradual ascent to

39.05 ^{The} $\frac{1}{4}$ sec. cor. bet. secs. 1 and 12, which is a sandstone
16x8x4 ins. set in a mound of stone, properly marked and
witnessed, as described in original notes.

Land: level and mountainous.

Soil: sandy and stony, 2nd and 4th rate.

No timber.

Brush: greasewood.

July 28, 1913.

General Description.

The land included in this allotment is nearly all level
land
bottom along Hill Creek, the side lines running along the
edge of the hills on either side. The hills on the east
side are barren and rise gradually from the edge of the
valley, while on the west side there is a bluff or rim
rock, 30 or 40 ft. high, but from the edge of this the

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hills rise gradually to the westward.

The soil is sandy, 2nd rate, badly washed at the south end of the allotment, Hill Creek overflowing the whole of the valley. The land is covered with a heavy growth of greasewood with willows skirting the creek banks, ^{also} about 10 or 15 acres of rye grass in northern half of the allotment.

No improvements on the land, although in time past a brush fence has fenced a portion of the place.

Francis E. Joy,

U. S. Surveyor.

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Washington, D. C., *March 21* 1914.

I hereby certify that the survey of Yah-poots Allotment No. 261, New Roll No. 358, T. 13 S., Rgs. 19 E. and 20 E., in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Dunnington

Topographer in Charge.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge, bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy
U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me }
this 6 day of March, 1914.



Isaac R. Hitt
United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office
OFFICE OF THE United States Surveyor-General,
Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotments, in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A. F. Dunnington Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman
U. S. Surveyor-General

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

Clay Tallman
U. S. Surveyor-General
Commissioner of the General Land Office.

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BOOK A-383

INDEX DIAGRAM.

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T. 11 S., R. 19 E.

Survey of Ma-chook-avats (Chester Allotment No. 263, New Roll No. 372, in sec. 24, T. 11 S., R. 19 E.

Note: This place is better known at the present time as the Peter Post Allotment.

Survey commenced July 29, 1913, by Francis E. Joy, U.S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long; 1 in. in diameter, filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

July 29, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 50'$ on the lat. arc, and $18^{\circ} 50'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 1, which is identical with the Hill Creek Location Monument No. 4, and is a sandstone $20 \times 12 \times 6$ ins., set in a mound of stone, marked H C L M 4 on N. face.

Original survey reports:

Blue Mountain, brs. N. $44^{\circ} 30'$ E. I find

A mountain, brs. N. $44^{\circ} 30'$ E., about 30 miles dist.

Original survey reports:

Points of rocks, brs. S. 45° E., S. $12^{\circ} 30'$ E., N. 6° E., and S. $71^{\circ} 15'$ W. I find

Points of rocks, brs. S. 45° E., about $\frac{3}{4}$ mile dist., S. $12^{\circ} 30'$ E., about $2\frac{1}{2}$ miles dist.

The other two I could not locate definitely; too many hills appear close to bearings.

Original survey reports:

A cross (+) on rock, brs. N. $15^{\circ} 55'$ W., 5.8 ft., or 9 lks. dist. I find

A cross (+) on a flat sandstone in place, 4 ft. $\times 12 \times 10$ ins. brs. N. $15^{\circ} 55'$ W., 9 lks. dist. N. and alongside

Set an iron post for W.C. to cor. No. 1 and H C L M No 4 with cap stamped

H C L M No 4 in N.
T 11 S R 19 E S 24 A P in W.
COR 1 No 372 in E.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NE. of cor.

This cor. is on the edge of a barren hill, about 20 ft. above the valley.

Original survey reports:

Thence S. 50° E., 1320 ft. or 20.00 chs. to cor. No. 2.

Cor. No. 2 in sight.

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Page

Chains

Therefore I run

S. 50° 30' E. on a true line in sec. 24. Descending.

.60 Foot of descent, brs. N. and S. Thence over nearly level land, through brush.

.80 Cut off from Hill Creek, 4 lks. wide, 3 ins. deep, course N.

11.10 Dry channel Hill Creek, 15 lks. wide, 6 ft. banks, course NE.

13.10 Main channel Hill Creek, 15 lks. wide, banks 6 ft.; water about 3 ins. deep, course N. 30° E.

17.50 Road, brs. N. 30° E., and S. 30° W.

20.00 Cor. No. 2, which is a stake in a mound of stone. No marks or witnesses.

Set an iron post in the center of the mound for cor. No. 2, with cap stamped

COR 2 No 372 in N.

A P in W.

T 11 S R 19 E S 24 in E.

1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line NW. of cor.

Land: nearly level.

Soil: sandy and gravelly, 2nd and 3rd rate.

No timber.

Brush: greasewood.

Original survey reports:

Thence N. 40° E., 3960 ft. or 60.00 chs. to cor. No. 3.

As original survey shows a right angle at this cor. I turn an angle of 90° from cor. No. 1 and run

N. 39° 30' E, on a random line.

60.00 After diligent search no trace of cor. No. 3 is found.

Set temp. cor. No. 3.

Original survey reports:

Thence

N. 50° W., 1320 ft. or 20.00 chs. to cor. No. 4, or another right angle.

Therefore I run

N. 50° 30' W. on a random line.

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Chains

Over nearly level land, along base of bluffs, through brush.

- 2.60 Leave brush
Enter cultivated land; brs. NW. and SE.
- 10.00 Leave cultivated land, brs. NW. and SE.
- 11.00 Irrigation ditch, 10 lks. wide, course NW.
- 13.00 Same ditch, course N. 60° E.
- 15.10 Small channel of Hill Creek, 10 lks. wide, course E.
- 44.60 Same channel, course N.
- 50.10 Same channel, course N. 60° E.
- 55.20 Same channel, course N.
- 60.00 Cor. No. 1, place of beginning heretofore described.

Land: nearly level.
Soil: sandy, 2nd rate.
No timber.
Brush: greasewood.

July 29, 1913.

July 29, 1913. At 1:30 p.m. l.m.t. I set off 39° 50' on the lat. arc and 18° 46' N. on the decl. arc, and determine a meridian with the solar at the cor. of secs. 23, 24, 25 and 26, T. 11 S., R. 19 E., which is a limestone 24x12x7 ins., marked and witnessed as described by G.L.O.

Thence I run

N. 70° 22' E., 2.64 chs.

Thence

N. 39° 30' E., 36.23 chs. to cor. No. 1 of Yah-poots Allotment, heretofore described.

General Description.

This allotment lies along the bottom lands of Hill Creek, the mountains on either side being broken and barren. The land within this allotment is nearly level and could be irrigated from Hill Creek without much effort.

The soil is a dark sandy loam, covered with a heavy growth of greasewood. A small area, possibly 2 or 3 acres in the northern portion, is under cultivation, irrigated

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T. 11 S., R. 19 E.

from a ditch running to a homesteader's place below.
This land is being cultivated by Peter Post (Indian), he
making this place his home during most of the year.

Improvements consist of brush tepees and a wagon shed.

Francis E. Joy,

U. S. Surveyor.

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- DIRECTIONS**—1. Carry out the area in acres to three decimals, and all other calculations to two decimals only.
 2. In balancing Lat. and Dep. do not obliterate or change the original figures; but put below them the corrected footing in red ink. Put the corrected figures or figures above in red ink. Do not change the footing of the original figures; the lengths of the lines. The corrections for balancing fallings should be proportional to the lengths of the lines.
 3. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. I. O.

BOOK A-383

W. A. - check - wants Charles Robertson's no. 263, New Bell no. 372, Sec. 24, T. 115, R. 19 E.

TABLING AND CALCULATIONS OF

No.	COURSE	DISTANCE.	LATITUDES.		DEPARTURES.		DOUBLE M. D.	N. AREAS.	S. AREAS.
			NORTH.	SOUTH.	EAST.	WEST.			
1 1/2	S. 50° 30' E.	2000		127.22	154.132	+ 15.432		196.3259	
" 2 1/2	N. 39° 30' E.	6000	46.297		38.165	+ 69.029	3195.8356		
" 3 1/2	N. 50° 30' W.	2000	127.22		154.32	+ 91.762	1167.3962		
" 4 1/2	S. 39° 30' W.	6000		46.297	38.165	+ 38.165		1766.9250	
			54.019	54.019	53.597	53.597	4363.2318	1963.2509	
							1963.2509		
							2023999809		
							1011999904		
							1199990	or 120 acres.	

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BOOK A-383

Washington, D. C., *Mar 21* 1914.

I hereby certify that the survey of Ma-chook-avats Allotment No. 263, New Roll No. 372, T. 11 S., R. 19 E., in the State of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Sturtevant
Topographer in Charge.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A. F. Dunnington, Topographer in Charge bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy
U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me }
this 6 day of March, 1914.



Isaac R. Hitt
United States Commissioner, D. C.

APPROVAL.

7639
Commissioner of the General Land Office
OFFICE OF THE ~~UNITED STATES SURVEYOR GENERAL~~
Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotment,
in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman
~~U. S. Surveyor General~~
Commissioner of the General Land Office.

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

U. S. Surveyor General
Commissioner of the General Land Office.

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BOOK A-383 Book "H"

FIELD NOTES

OF THE SURVEY OF THE

Davis Tabbee Allotment No. 264, New Roll No. 270, T. 10 S., R. 20 E.

(Uncompahgre Ute Indian Allotment)

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Francis E. Joy

In the capacity of U. S. Surveyor, under instructions dated September 14, 1912, issued by the United States Surveyor General to govern surveys included in Group No. _____, which were approved by the Commissioner of the General Land Office, to A.F. Dunnington, 1912, pursuant to authority contained in the Act of Congress dated _____, 1912.

Survey commenced July 31, 1913

Survey completed August 2, 1913

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Chains

Survey of Davis Tabbee Allotment No. 264, New Roll No. 270, in sec. 33, T. 10 S., R. 20 E.

Survey commenced July 31, 1913 by Francis E. Joy, U. S. Surveyor, and executed with a Young & Sons light mountain transit No. 8394 with a 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 latitude and declination arcs.

The instrument was examined and tested on the meridian determined near the Sulphur Spring Location Monument, sec. 19, T. 12 S., R. 21 E., June 30, 1913 (in the Survey of "Dutchman" Lower Ranch Allotment No. 254, New Roll No. 567, "Book A").

The iron posts used in this survey are 3 ft. long; 1 in. in diameter; filled with cement and fitted with brass caps, and set 26 ins. in the ground, unless otherwise noted.

July 31, 1913. At 8 a.m. l.m.t. I set off $39^{\circ} 55'$ on the lat. arc, and $18^{\circ} 21'$ N. on the decl. arc, and determine a meridian with the solar at cor. No. 6, which is identical with Willow Creek Location Monument No. 1, and is a sandstone $40 \times 6 \times 4$ ins. set in a mound of stone and marked W C L M 1.

Original survey reports:

SE. cor. Little Jim's rock house, brs. N. 3° E., 309 ft. or 4.69 chs. I find

SE. cor. Little Jim's house (now barn), brs. N. 3° E., 4.72 chs. dist.

Original survey reports:

A cross on rock, brs. S. 56° W., 8.5 ft. or 13 lks., with which I agree and remark B + 0

N. and alongside

Set an iron post for W.C. to cor. No. 6, with cap stamped

T 10 S R 20 E S 33 in W.
W C L M 1 A P in NE.
COR 6 No 270 in SE.
W C 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Original survey reports:

Thence S. 2° W., 1000 ft. or 15.15 chs. to cor. No. 5.

Cor. No. 5 in sight. Therefore I run

S. $1^{\circ} 15'$ W. on a true line in sec. 33.

Along base of mountain, barren and broken.

16.15 Cor. No. 5, a mound of stone. No marks or witnesses.

In the center of the mound

Set an iron post for cor. No. 5, with cap stamped

T 10 S R 20 E S 33 A P in W.
COR 5 No 270 in E.
1913 in S.

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T. 10 S., R. 20 E.

Chains

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Land: rough and broken, barren.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence S. 18° W., 2090 ft., 31.66 chs. to cor. No. 4.

Cor. No. 4 in sight.

Therefore I run

S. 17° 41' W. on a true line in sec. 33.

Over broken and barren points of ridges.

8.30 Road, brs. N. 25° E. and S. 25° W.

27.70 Road, brs. N. and S.

32.39 Cor. No. 4, which is a stake in a mound of stone. No marks or witnesses. Cor. on point of ridge about 15 ft. above the valley. In the center of the mound

Set an iron post for cor. No. 4, with cap stamped

T 10 S R 20 E S 33 A P in W.
COR 4 No 270 in E.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Land: rough and broken, barren.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence S. 23° W., 540 ft. or 8.19 chs. to cor. No. 3.

Cor. No. 3 in sight.

Therefore I run

S. 22° 20' W. on a true line in sec. 33.

Over broken and barren points of ridges, at base of mountain.

6.10 Pole fence, brs. N. 70° W. about 3 chs., and S. 70° E., across the valley.

8.33 Cor. No. 3, which is a stake in a mound of stone. No marks or witnesses. In the center of the mound

Set an iron post for cor. No. 3, with cap stamped

T 10 S R 20 E S 33 A P in W.
COR 3 No 270 in E.
1913 in S.

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T. 10 S., R. 20 E.

Chains

Raise a mound of stone 3 ft. base, 2 ft. high, in line S. of cor.

Land: rough and broken, barren.
Soil: stony, 4th rate.
No timber.

Original survey reports:

Thence S. 27° 15' W., 950 ft. or 14.40 chs. to cor. No. 2.
Cor. No. 2 in sight.

Therefore I run

S. 27° 4' W. on a true line in sec. 33.

Over rough and broken lands, barren.

8.50 Mouth of canyon, course E.

14.88 Cor. No. 2, which is a mound of stone on stony point about 20 ft. above the valley. No marks.

Original survey reports:

A cross (+) on rocks, brs. S. 49° 10' W., 43.41 ft. or 66 lks. dist. I find from from the center of mound a cross (+) on rock bluff, brs.

S. 48° 30' W., 69 lks. dist. I mark

B + O

In the center of the mound

Set an iron post for cor. No. 2, with cap stamped

T 10 S R 20 E S 33 in W.
COR 2 No 270 in NE.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line E. of cor.

Land: rough and broken, barren.
Soil: stony, 4th rate.
No timber.

July 31, 1913. At this cor. I set off 18° 18' N. on the decl. arc and at 12 h. 6 m. p.m. l.m.t. observe the sun on the meridian. The resulting lat. is 39° 54'.

Original survey reports:

Thence S. 86° E., 1575 ft. or 23.87 chs. to cor. No. 1.

Cor. No. 1 in sight.

Therefore I run

S. 86° 12' E. on a true line in sec. 33.

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T. 10 S., R. 20 E.

Chains

Across Willow Creek Valley, through brush.

9.80 Road, brs. N. 20° W. and S. 20° E.

11.90 Willow Creek, 20 lks. wide, 10 ft. banks, course N. 10° W.

24.60 Cor. No. 1, which is a stake in a mound of stone. No marks or witnesses. Cor. on end of low ridge, about 20 ft. above the valley. In the center of the mound

Set an iron post for cor. No. 1, with cap stamped

COR 1 No 270 in NW.
T 10 S R 20 E S 33 in NE.
A P 1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line N. of cor.

Land: nearly level.

Soil: sandy and gravelly, 2nd and 3rd rate.

No timber.

Brush: greasewood and willows along creek.

Original survey reports:

Thence N. 10° 36' E., 4515.66 ft. or 68.42 chs. to cor.

No. 7.

A flag at cor. No. 7 in sight.

Therefore I run

No. 10° 40' E. on a true line in sec. No. 33.

Over rolling barren land.

4.50 Mouth of canyon, course W.

17.10 Willow Creek, 20 lks. wide, course E., soon N. Also enter brush, same bearing; thence over level land.

52.58 Same creek, course NW.

71.16 Cor. No. 7, which is a stake in a mound of stone. No marks or witnesses.

This cor. is on the edge of a barren hill about 20 ft. above the valley and under a bluff about 75 ft. high.

In the center of the mound

Set an iron post for cor. No. 7, with cap stamped

A P in N.
T 10 S R 20 E S 33 in E.
COR 7 No 270 in SW.
1913 in S.

Raise a mound of stone 3 ft. base, 2 ft. high, in line W. of cor.

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Chains

Land: nearly level at base of mountain.
 Soil: sandy and stony, 2nd and 4th rate.
 No timber.
 Brush: willows.

Original survey reports:

Thence W., 1075 ft. or 16.29 chs. to cor. No. 6.

Cor. No. 6 in sight.

Therefore I run

S. 89° 7' W. on a true line in sec. 6,

Across Willow Creek Valley, through brush.

13.55 Willow Creek, 20 lks. wide, banks 10 ft. ^{high,} _A course N.

Leave brush, enter open land, brs. N. and S.

16.55 Road, brs. N. and S.

17.55 Cor. No. 6, and the place of beginning, heretofore described.

Land: nearly level.

Soil: sandy, 2nd rate.

No timber.

Brush: willows and greasewood.

July 31, 1913.

Aug. 1, 1913. Searched all day for sec. cors.

Aug. 2, 1913. I find the Stand. $\frac{1}{2}$ sec. cor. of sec. 33,

T. 10 S., R. 20 E., which is a sandstone 12x10x4 ins.

above ground, marked $\frac{1}{2}$ S C on N. face and witnessed by

a mound of stone N. of cor. From this cor., cor. No. 2

of the Davis Tabbee Allotment Brs. N. 3° W., 9.25 chs.

General Description.

This allotment lies along the valley of Willow Creek, the hills rising abruptly about 300 ft. on either side, barren and stony.

The soil in the valley is a dark sandy loam, covered with a heavy growth of greasewood, the banks of the creek being skirted with willows.

There are no improvements on the place excepting a cross fence near the south end of the allotment.

No cultivation or indications of habitation on this

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allotment, although a few rods north of north line, there are cabins and a small amount of cultivation.

F. E. Joy,
U. S. Surveyor.

Volume

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Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink. The corrections for balancing fallings should be proportional to the lengths of the lines. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. I. O.

TABLING AND CALCULATIONS OF *Area Table* *Altitude* no. 264, *New* *Bel* no. 270, *Sec.* 33, *T* 105, *R* 20 E.

No.	COURSE	DISTANCE	LATITUDES		DEPARTURES		DOUBLE M. D.	N. AREAS	S. AREAS
			NORTH	SOUTH	EAST.	WEST.			
1	S. 89° 7' W.	175.5		27			175.6	47.4	
2	S. 1° 15' W.	161.5		16			354.7	573.20	
3	S. 17° 41' W.	323.9		55			456.7	1410.29	
4	S. 22° 20' W.	83.3		88			67	452.50	
5	S. 27° 41' W.	148.8		71			586.9	909.35	
6	S. 86° 13' E.	246.0		25			63	829.0	
7	N. 10° 40' E.	711.6	699.0	163	245.4	131.6			919.88
			699.0		131.6				
			699.0	699.0	377.0	377.0		3432.98	919.88
								919.88	
								2/251310	
								10/125655	
								12566	areas.

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BOOK A-383

Washington, D. C., *March 21* 1914.

I hereby certify that the survey of Davis Tabbee Allotment No. 264, New Roll No. 270, T. 10 S., R. 20 E., in the state of Utah, was made under my direction and supervision, and to the best of my knowledge and belief the field work was executed in strict accordance with the instructions given me dated September 14, 1912, and the Manual of Surveying Instructions, and that these field notes are a correct representation thereof.

A. F. Drumming

Topographer in Charge.

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FINAL OATH OF UNITED STATES SURVEYOR.

I, Francis E. Joy, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the Commissioner of the General Land Office, by A.F. Dunnington, Topographer in Charge, bearing date of the 14th day of September, 1912, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Uncompahgre Ute Indian Allotments

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed 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 Commissioner of the 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.

Francis E. Joy U. S. Surveyor.

Subscribed by said Francis E. Joy, and sworn to before me } this 6 day of March, 1914.



Isaac R. Hitt United States Commissioner, D. C.

APPROVAL.

Commissioner of the General Land Office OFFICE OF THE UNITED STATES SURVEYOR-GENERAL, Washington, D.C., Aug. 10, 1914.

The foregoing field notes of the survey of the Uncompahgre Ute Indian Allotment, in the State of Utah,

executed by Francis E. Joy, U.S. Surveyor, under direction of A.F. Dunnington Topographer in Charge, under his special instructions dated September 14, 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

(Signed) Clay Tallman U.S. Surveyor General Commissioner of the General Land Office.

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

Handwritten signature/initials

Handwritten signature of Clay Tallman U.S. Surveyor General Commissioner of the General Land Office