

Volume

#

R0474

BOOK A-474

(1000)

FIELD NOTES

OF THE SURVEY OF THE

SEVENTH STANDARD PARALLEL SOUTH

THROUGH

RANGE 22 EAST

Of the Salt Lake Base and Meridian,

In the State of Utah

EXECUTED BY

Jos. C. Thoma

In the capacity of U. S. Surveyor, under Special Instructions dated March 26, 1912, and supplemental Special Instructions dated July 24, 1912 issued by the United States Surveyor General to govern surveys included in Group No. 16, which were approved by the Commissioner of the General Land Office, April 2 and August 3, 1912, and Assignment Instructions dated, 19

Survey commenced August 20, 1912
Survey completed August 26, 1912.

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Seventh Standard Parallel South

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

Survey commenced August 20, 1912, and executed with a Young and Sons light mountain transit No. 8477; the horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.

I examine the adjustments of the transit and correct the level and collimation errors.

I begin at the standard corner of township 35 south, ranges 22 and 23 east, which is an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground firmly set and witnessed as described by the surveyor general.

At a point 2.56 ft. south of said standard cor. in approximate lat. $37^{\circ}43'$ N., longitude $109^{\circ}30'$ W., at 9th 36.8 m.p.m., l.m.t., I observe Polaris at eastern elongation, in accordance with instructions in the Manual, and mark the line thus determined by a tack driven in a wooden peg set in the ground five chains N. of my station.

August 20, 1912.

August 21, 1912: At 7h a.m., I lay off the azimuth of Polaris $1^{\circ}28'$ to the west and mark the true meridian thus determined by a tack driven in a wooden peg driven firmly in the ground west of the point established last night.

At this station (the point 2.56 ft. S. of the standard cor) I turn off from the meridian an angle of $89^{\circ}58'$ toward the west and run

N. $89^{\circ}58'$ W. on a secant, S. of sec. 36.

Descend over broken E. slope of canon, through dense cedar and pinon timber.

- 8.00 Leave dense cedar and pinon timber bearing N. and S., enter open sage brush flat.
- 12.00 Saw mill road bears N. and S.
- 13.00 Dry draw, 2 chs. wide, 15 lks. deep, drains S.
- 14.00 Telephone line bears N. and S.
- 15.00 Leave sage brush flat; ascend over rolling barren land,

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH THROUGH E. 12 1/2

Chains

bears N. and S.

26.00 Enter dense cedar and pinon timber bears N. and S.,
continue ascent over broken SE. slope.

Difference between measurements of 40.00 chs. by two sets
of chainmen is 4 lks., position of middle point

By 1st set, 40.02 chs.

By 2nd set, 39.98 chs., the mean of which is

40.00 N. 1.15 ft. from the secant,

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins.
in the ground for the standard 1/4 sec. cor. with brass
cap marked

SC 1/4
S 36

1912

from which

A pinon, 12 ins. dia., bears N. 70°30' E.,
32 lks. dist. mkd. 1/4 S 36 SC BT.

A cedar, 12 ins. in diam., bears N. 78° W.,
65 lks. dist. mkd. 1/4 S 36 SC B T.

48.00 Top of ridge, 150 ft. above draw, bears N. and S.
Descend abruptly over broken W. slope.

70.00 Old brush fence bears N. and S.

77.50 Leave dense cedar and pinon timber bears N. and S.
Old road bears N. and S.

Difference between measurements by two sets of chainmen
is 8 lks., position of middle point

By 1st set 80.04 chs.

By 2nd set 79.96 chs., the mean of which is

80.00 Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in
the ground for standard corner of secs. 35 and 36, with
brass cap marked

T 35 S R 22 E
SC

S 35 S 36

1912

from which

A pinon, 10 ins. in diam., bears N. 40° E.

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

154 lks. dist. mkd. T 35 S R 22 E S 36 SC Bt.

A cedar, 10 ins. dia., bears N. 58° W.,

268 lks. dist. mkd. T 35 S R 22 E S 35 SC Bt.

Land rolling and broken.

Soil sandy loam and stony, 4th rate.

Timber cedar and pinon.

August 21, 1912.

August 22, 1912:

N. 89°59' W. on secant, through sec. 35; by double back
and fore sights.

Descend over rolling land through scattering cedar and
pinon timber and dense scrub oak undergrowth.

7.66 Recapture Creek, 10 lks. wide, water in holes, course SE.
Continue over sandy bottom land.

12.00 Johnson Creek, 1 ch. wide, water in holes, course SE.

15.00 Johnson Creek, course NE.

22.00 Johnson Creek, course SE.

24.00 Leave dense scrub oak undergrowth bears NW. and SE.

Ascend over broken land covered with scattering cedar
and pinon timber.

32.00 Leave dense cedar and pinon timber bears N. and S.,
enter open sagebrush flat.

Difference between measurement of 40.00 chs. by two sets
of chainmen is 6 lks., position of middle point

By 1st set, 40.03 chs.

By 2nd set, 39.97 chs., the mean of which is

40.00 S. 0.9 ft. from the secant.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in
the ground for the standard $\frac{1}{4}$ sec. cor. with brass cap
marked

SC 1
S 35

1912

from which

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

A cedar, 8 ins. diam., bears N. 16° W.,

209 lks. dist. mkd. $\frac{1}{2}$ S 35 SC BT.

Big pits 18x18x12 ins. E. and W. of post, 3 ft. dist. and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

44.00 Start ascent over SW. slope of Johnson Canon, over a series of ridges and ravines covered with dense scrub oak and service undergrowth.

65.00 Top of ascent bears NW. and SW. 200 ft. above bottom; leave dense scrub oak and service, enter dense cedar and pinon timber.

73.15 Irrigation ditch, drains SE.

76.00 Top of gradual ascent, bears NW. and SW.

Descend gradually over rolling mesa.

Difference between measurement of 80.00 chs. by two sets of chainmen is 12 lks., position of middle point

By 1st set 80.06 chs.

By 2nd set 79.94 chs., the mean of which is

80.00 S. 1.52 ft. from the secant.

Set an iron post, 3 ft. long, 3 ins. in diam. 24 ins. in the ground for the standard cor. of secs. 34 and 35, with brass cap marked

T 35 S R 22 E

SC

S 34 S 35

1912

from which

A pinon, 10 ins. dia., bears N. 13° E.,

43 lks. dist. mkd. T 35 S R 22 E S 35 SC BT.

A cedar, 14 ins. in diam., bears N 56° W.,

69 lks. dist. mkd. T 35 S R 22 E S 34 SC BT.

Land rolling and broken.

Soil sandy loam and stony, 3rd and 4th rates.

Timber cedar and pinon with scrub oak and service undergrowth.

SURVEY OF THE SEVENTH STANDARD PARALLEL, SOUTH, THROUGH R. 22 E.

Chains

N. 89°59' W. on the secant through sec. 34.

Over rolling land covered with dense cedar and pinon timber.

1.75 Main ditch of the Grayson Irrigation Co., 10 lks. wide, 3 lks. deep, course S.

4.00 Dry draw, 10 lks. wide, drains S. Ascend.

22.00 Top of ascent bears N. and S. Descend.

28.00 Dry draw, 10 lks. wide, drains S. Ascend.

35.00 Top of ascent bears N. and S. Descend.

Difference between measurements of 40.00 chs. by two sets of chainmen is 4 lks., position of middle point

By 1st set 39.98 chs.

By 2nd set 40.02 chs., the mean of which

is

40.00 S. 1.92 ft. from the secant.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC $\frac{1}{4}$
S 34

1912

from which

A cedar, 10 ins. in diam., bears N. 24° E.,
18 lks. dist. mkd. $\frac{1}{4}$ S 34 SC BT.

A cedar, 8 ins. in diam., bears N. 63° W.,
22 lks. dist. mkd. $\frac{1}{4}$ S 34 SC BT.

46.00 Leave dense cedar and pinon timber bears N. and S., enter open land covered with sagebrush undergrowth.

50.00 Dry draw, drains S. Ascend.

56.00 Top of ascent bears N. and S. Descend.

58.00 Leave open sagebrush, enter dense cedar and pinon timber bears N. and S.

76.00 Start abrupt descent, bears N. and S.

79.50 Dry draw, 10 lks. wide, 75 ft. below top of mesa, drains S. Ascend.

Difference between measurements of 80.00 chs. by two sets of chainmen is 6 lks. position of middle point

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

By 1st set 79.97 chs.

By 2nd set 80.03 chs., the mean of which is

80.00 2.05 ft. S. from the secant.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins., in the ground for the standard cor. of secs. 33 and 34, with brass cap marked

T 35 S R 22 E

S C

S 33 S 34

1912

from which

A pinon 6 ins. in diam., bears N. 58° E.,

16 lks. dist. mkd. T 35 S R 22 E S 34 SC BT.

A cedar, 18 ins. diam., bears N 20° W.,

16 lks. dist. mkd. T 35 S R 22 E S 33 SC BT.

Land rolling and broken.

Soil sandy loam and stony, 3rd and 4th rate.

Timber cedar and pinon.

Undergrowth scrub oak and service brush.

August 22, 1912.

August 23, 1912:

West on the secant through sec. 33.

Over rolling land covered with dense cedar and pinon timber.

4.00 Top of ascent bears N. and S. Descend.

6.00 Dry draw, 15 lks. wide, drains S. Ascend.

9.00 Top of ascent bears N. and S.; continue over nearly level mesa.

19.00 Leave dense cedar and pinon timber, bears N. and S.

Enter scattering burnt timber and sagebrush undergrowth.

24.00 Dry draw, 10 lks. wide, drains S.

28.00 Enter dense cedar and pinon timber, bears N. and S.

36.00 Leave dense cedar and pinon timber bears N. and S., enter open burnt timber with sagebrush undergrowth.

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

Difference between measurements of 40 chs. by two sets of chainmen is 2 lks., position of middle point

By 1st set 40.01 chs.

By 2nd set 39.99 chs., the mean of which is

40.00 S. 1.92 ft. from secant.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for the standard $\frac{1}{4}$ sec. cor., with brass cap marked

SC $\frac{1}{4}$
S 33

1912

from which

A burned snag, 12 ins. in diam., bears N. 31° E.,

9 lks. dist. mkd. $\frac{1}{4}$ S 33 SC BT.

Dig pits 18x18x12 ins. E. and W. of post, 3 ft. dist., and raise a mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

45.00 Start desc. bears N. and S.

52.00 Dry draw, 2 chs. wide, 5 ft. deep, 100 ft. below top of mesa, drains S. Ascend.

58.00 Top of ascent, bears N. and S., continue over level mesa.

60.00 Leave open burned timber and sagebrush, bears NW. and SE., enter dense cedar and pinon timber.

72.00 Start abrupt descent over east slope of canon, over a series of ridges and ravines, bears N. and S.

Difference between measurements of 80.00 chs. by two sets of chainmen is 8 lks., position of middle point

By 1st set 80.04 chs.

By 2nd set, 79.96 chs., the mean of which

is

80.00 S. 1.52 ft. from the secant.

Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for the standard corner of secs. 32 and 33, with brass cap marked

T 35 S R 22 E

S C

S 32 S 33

1912

from which

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

- A cedar, 7 ins. in diam., bears N. 55°30' E.,
63 lks. dist. mkd. T 35 S R 22 E S 33 SC BT.
- A pinon, 10 ins. in diam., bears N. 33° W.,
58 lks. dist. mkd. T 35 S R 22 E S 32 SC BT.

Land rolling and broken.

Soil sandy loam on mesa, stony in canon, 1st and 4th rates

Timber cedar and pinon.

August 23, 1912.

August 24, 1912:

S. 89°59' W. on the secant, through sec. 32.

Descend abruptly over E. slope of canon over a series of ridges and ravines covered with dense cedar and pinon timber.

10.00 Foot of abrupt descent, 200 ft. deep, bears N. and S.
Leave dense timber, enter open sagebrush flat.

13.00 Dry draw, 50 lks. wide, 5 ft. deep, drains S.

16.00 Leave open sagebrush flat, bears N. and S. Enter dense cedar and pinon timber. Start abrupt ascent over broken W. slope of canon.

24.00 Top of low ridge in canon bears N. and S. Descend.

26.00 Bottom of descent bears N. and S. Ascend.

29.00 Rim rock, 40 ft. high, bears N. and S.

Continue gradual ascent.

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks., position of middle point

By 1st set 40.03 chs.

By 2nd set 39.97 chs., the mean of which is

40.00 S. 0.89 ft. from the secant.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for the standard 1/4 sec. cor., with brass cap marked

SC 1/4
S 32

1912

from which

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains	
	<p>A pinon, 5 ins. in diam., bears N. 32° E., 26 lks. dist. mkd. $\frac{1}{4}$ S 32 SC BT.</p> <p>A cedar, 10 ins. diam., bears N. 66° W., 43 lks. dist. mkd. $\frac{1}{4}$ S 32 SC BT.</p> <p style="text-align: right;">August 24, 1912.</p> <p>August 26, 1912:</p> <p>1 continue .</p> <p>S. $89^{\circ}59'$ W. on secant, through sec. 32.</p>
48.00	<p>Leave dense cedar and pinon timber bears N. and S. Enter scattering timber.</p>
54.00	<p>Descend over W. slope of mesa, bears N. and S.</p>
58.00	<p>Dry draw, 20 lks. wide, drains S. Ascend.</p>
64.00	<p>Top of ascent, bears N. and S. Descend; leave open sagebrush undergrowth and scattering cedar and pinon timber; enter dense timber.</p>
	<p>Difference between measurements by two sets of chainmen of 80.00 chs. is 12 lks., position for middle point By 1st set 80.06 chs. By 2nd set 79.94 chs., the mean of which is</p>
80.00	<p>Set an iron post, 3 ft. long, 3 ins. in diam., 24 ins. in the ground for the standard cor. of secs. 31 and 32, with brass cap marked</p> <p style="text-align: center;">T 35 S R 22 E S C</p> <p style="text-align: center;"><u>S 31 S 32</u></p> <p style="text-align: center;">1912</p> <p>from which</p> <p>A cedar, 9 ins. in diam., bears N. 42° E., 9 lks. dist. mkd. T 35 S R 22 E S 32 SC BT.</p> <p>A pinon, 6 ins. in diam., bears N. 34° W., 15 lks. dist. mkd. T 35 S R 22 E S 31 SC BT.</p> <p>Land rolling and broken. Soil sandy loam and adobe in canon, 1st and 4th rates. Timber cedar and pinon. Undergrowth sagebrush.</p>

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

S. 89°58' W. on the secant S. of secs. 31.

Over rolling mesa covered with dense cedar and pinon timber.

15.80 Edge of mesa bears NE. and SW.

Descend abruptly over mountainous land covered with dense cedar and pinon timber.

Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks., position of middle point

By 1st set 40.03 chs.

By 2nd set 39.97 chs., the mean of which is

40.00 N. 1.15 ft. from the secant.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground for the standard 1/4 sec. cor. with brass cap marked

SC 1/4
S 31

1912

from which

A pinon, 8 ins. in diam., bears N. 3°W.,

23 lks. dist. mkd. 1/4 S 31 SC BT.

A pinon 10 ins. in diam., bears N. 67° E.,

36 lks. dist. mkd. 1/4 S 31 SC BT.

72.00 Bottom of descent over mountainous land, 300 ft. below mesa. Dry draw, 10 lks. wide drains SW.

Ascend abruptly over mountainous land covered with dense cedar and pinon timber.

Difference between measurements of 80.00 chs. by two sets of chainmen is 14 lks., position of middle point

By 1st set 80.07 chs.

By 2nd set 79.93 chs., the mean of which is

80.00 N. 2 56 ft. from secant.

Set an iron post 3 ft. long, 3 ins. in diam., 24 ins. in the ground for the standard cor. of T. 35 S. Rs. 21 and 22 E., with brass cap marked

T 35 S
R 21 E R 22 E
S C

S 36 S 31

1912

SURVEY OF THE SEVENTH STANDARD PARALLEL SOUTH, THROUGH R. 22 E.

Chains

from which

A cedar 30 ins. in diam., bears N. 15° E.,

46 lks. dist. mkd. T 35 S R 22 E S 31 SC BT.

A pinon 10 ins. in diam., bears N. 88° W.,

66 lks. dist. mkd. T 35 S R 21 E S 36 SC BT.

Land mountainous and covered with dense cedar and pinon timber.

Soil sandy loam on mesa, adobe and rocky on canon slopes, 2nd and 4th rates. Timber cedar and pinon.

August 26, 1912,

Jos. C. Thoma,

U.S. Surveyor.

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CERTIFICATE OF UNITED STATES SURVEYOR.

I, _____, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 19____, 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 _____

For certificate of assistants see book "V" T. 39 S., R. 26 E.

For final oath of U.S. Surveyor see book "V" T. 39 S., R. 26 E.

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah. Mar. 8, 1916.

The foregoing field notes of the survey of the Seventh Standard Parallel South, through Range No. 22 East of the Salt Lake Base and Meridian, Utah.

executed by Joseph C. Thoma special instructions dated July 24, 1911 under his special instructions dated March 26, 1912, and Supplemental, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

I. C. Thoresen U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in T. 36 S., R. 22 E., S.E.B. & M., Utah has been correctly copied from the original notes on file in this office.

I. C. Thoresen U. S. Surveyor General.

BOOK A-474

4-688

FIELD ASSISTANTS.

NAMES.

CAPACITY.

1900 107

1917 107

U.S. DEPARTMENT OF JUSTICE

CERTIFICATE OF UNITED STATES SURVEYOR.

11 May 3. 36 S. R. 22 E. filed in A. 413.

I, _____, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for _____ bearing date of the _____ day of _____, 19 _____, 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 _____

For certificates of assistants see book "V" T. 39 S., R. 26 E.

For final oaths of U.S. Surveyors see book "V", T. 39 S., R. 26 E.

_____ of the _____ Meridian, in the State of _____, which are represented in the foregoing field notes as having been executed by me, and under my direction; and 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 U. S. Surveyor General for _____ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

U. S. Surveyor.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 8, 1916

The foregoing field notes of the survey of the West Boundary of Township No. 36 South, Range No. 22 East of the Salt Lake Base and Meridian, Utah.

executed by Daniel B. Miller and Joseph C. Thoma their Special Instructions dated July 24, under ~~the~~ special instructions dated March 26, 1912 and supplemental/ 1912, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

I. C. Thoresen

U. S. Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in Utah T. 36 S., R. 22 E., S.L.B. & M., has been correctly copied from the original notes on file in this office.

I. C. Thoresen.

U. S. Surveyor General.

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BOOK A-474

FIELD NOTES

OF THE SURVEY OF THE

A PORTION OF THE SIXTH STANDARD PARALLEL SOUTH THROUGH R. 4 E.,
 THE EAST, SOUTH, AND WEST BOUNDARIES, AND SUBDIVISION OF T. 31 S.,
 R. 3 E.; AND RESURVEY OF THE SIXTH STANDARD PARALLEL SOUTH THROUGH
 R. 3 E.; AND MEANDERS OF UNNAMED LAKE LOCATED IN SECTIONS 28, 29,
 32, AND 33, T. 31 S., R. 3 E.

Of the Salt Lake Base And Meridian,

In the State of Utah

EXECUTED BY

Elliot Bird

And

Robert C Yundt

and U.S. Transitman
 In the capacity of U. S. Surveyor, under instructions dated June 29, 1923,
 issued by the United States Surveyor General to govern surveys included in
 Group No. 138, which were approved by the Commissioner of the General Land
 Office, August 13, 1923: And assignment instructions dated
 September 23, 1923, and supplemental assignment instructions dated
 May 12, 1924.

Survey commenced October 27, 1923.

Survey completed July 31, 1924.

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Meanders of unnamed lake, pages 124 and 125.

Date Diagram

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6-4-24	31	32	33	34	35	36	
6-4-24	6-6-24	6-14-24	6-23-24	7-12-24	7-13-24	7-13-24	
6-4-24	6-5-24	6-13-24	6-23-24	7-12-24	7-13-24	7-13-24	

All line ruled in black, were surveyed by Elliot Bird,
U.S. Surveyor.

All line ruled in red and black, were surveyed jointly
by Elliot Bird, U.S. Surveyor, and Robert C Yundt,
U.S. Transitman.

Survey commenced October 27, 1923, and executed with Young and Sons light mountain transits Nos. 8396 and 8531. Instrument No. 8531, was used by Elliot Bird, U.S. Surveyor, and instrument No. 8396, was used by Robert C. Yundt, U.S. Transitman. The instruments are equipped with Smith solar attachments and full vertical circles. The horizontal limbs are provided with double verniers placed opposite each other and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs and vertical circles.

The instruments were approved for use on this survey by Assistant Supervisor of Surveys for district No. 6, conditional upon satisfactory field tests, in assignment instructions dated September 23, 1923.

We examine the adjustments of the instruments and correct the level and collimation errors; then, to test the solar apparatus, by comparing their indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observation made on Polaris, we proceed as follows.

Oct. 27, 1923, in camp near the cor. of secs. 4, 5, 8 and 9 T. 31 S., R. 3 E., Salt Lake Base and Meridian, Utah, in approximate latitude $38^{\circ}08'$ N., longitude $111^{\circ}38'30''$ W., at 5h 12m 1. m. t., we observe Polaris at western elongation, using instrument No. 8396, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined, by a tack in a stake driven firmly in the ground, 10 chs. N.

Azimuth of Polaris at western elongation = $1^{\circ}24'$.

We lay off the azimuth of Polaris, $1^{\circ}24'$ to the east, and mark the meridian thus determined by a tack in a stake, driven firmly in the ground, 10 chs. N.

At 9h 30m a.m. apparent time, with the instruments in the

meridian, we set off $38^{\circ}08'$ N., on the latitude arcs; $12^{\circ}35'$ S., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

At apparent noon with instrument No. 8531 in the meridian, we make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's upper limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's lower limb and the transit of the sun's east limb.

Mean observed altitude=	$39^{\circ}14'$
Reduced latitude=	$38^{\circ}08'$ N.
Mean watch time of observation=	11h 40m 00s
Watch slow of l. m. t.	0h 4m .6s

At apparent noon, with both instruments in the meridian, and the latitude arcs unchanged, we find the readings of the declination arcs to be $12^{\circ}37'$ S., which agrees with the computed declination of the sun.

At 3h 30m p.m. apparent time, with the instruments in the meridian and the latitude arcs unchanged, we set off $12^{\circ}39'$ S., on the declination arcs, and determine a meridian with the solars which we find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, we conclude that the instruments are in satisfactory adjustment.

The instruments were kept in good adjustment throughout the progress of the survey, frequent tests being made on the meridian determined by observation made on Polaris.

The survey of this township was discontinued on Nov. 8, 1923, and recommenced on May 24, 1924, and executed with Buff and Buff instrument No. 9218 being used by Elliot Bird, U.S. Surveyor. Instrument is equipped with

Smith solar attachment and full vertical circle. The horizontal limb is provided with double verniers placed opposite to each other and reading to single minutes of arc, which is also the least count of the verniers of latitude and declination arcs and vertical circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys, for district No. 6, in supplemental assignment instructions dated May 12, 1924.

I examine the adjustments of the instrument and correct the level and collimation errors; 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 observation made on Polaris, we proceed as follows.

May 24, 1924, in camp near the cor. of secs. 4, 5, 8 and 9, in latitude $38^{\circ}08'$ N., longitude $111^{\circ}38'30''$ W., at 3h 30m a.m. l. m. t., I observe Polaris at eastern elongation, making four observations, two each with the telescope in direct and reversed positions, and mark the mean point in the line thus determined by a tack in a stake driven firmly in the ground, 10 chs. N.

Azimuth of Polaris at eastern elongation = $1^{\circ}24'$

I lay off the azimuth of Polaris, $1^{\circ}24'$ to the west, and mark the meridian thus determined by a tack in a stake driven firmly in the ground, 10 chs. N.

At 9h 30m a.m. apparent time, with the instrument in the meridian, I set off $38^{\circ}08'$ N., on the latitude arc; $20^{\circ}49'$ N., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

At apparent noon with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be $20^{\circ}50'$ N., which agrees with the computed declination of the sun.

At 3h 30m. p. m. apparent time, with the instrument in the meridian and latitude arc unchanged, I set off $20^{\circ}51'$ N., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, I conclude that the instrument is in satisfactory adjustment.

The instrument was kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observation made on Polaris.

July 31, 1924: At the completion of the survey of this township, I make a final test of the instrument as follows.

At 9h30m a.m. apparent time:

With the instrument in the meridian determined by observation made on Polaris May. 24, 1924, which is heretofore described, I set off $38^{\circ}08'$ N., on the latitude arc; $18^{\circ}14'$ N., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

At apparent noon; with the instrument in the meridian and the latitude arc unchanged, I find the reading of the declination arc to be $18^{\circ}12'30''$ N., which agrees with the computed declination of the sun.

At 3h 30m p.m. apparent time; with the instrument in the meridian and the latitude arc unchanged, I set off $18^{\circ}11'$ N., on the declination arc; and determine a meridian with the solar which I find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work come within 1' of the true meridian, I conclude that the instrument is in satisfactory adjustment.

Measurements.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape, 5 chains in length, compared with a Lufkin standard tape 1 chain in length and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

Method of Procedure.

The Sixth Standard Parallel South through T. 30 S., R. 3 E., forms the N. bdy. of this township, and a resurvey of this bdy. was made, also a survey was made of the Sixth Standard Parallel South along the S. bdy. of sec. 31, T. 30 S., R. 4 E.

The W. bdy. of the township was commenced at a point, N. $89^{\circ}42'$ E., 8.15 chs., from the Standard $\frac{1}{4}$ sec. cor. of sec. 31, T. 30 S., R. 3 E., This Standard $\frac{1}{4}$ sec. cor. is S. $89^{\circ}40'$ E., 40.00 chs. from the Standard Cor. of T. 30 S., R. 3 E. At a point, N. $89^{\circ}42'$ E., 8.15 chs. from the Standard $\frac{1}{4}$ sec. cor. of sec. 31, T. 30 S., R. 3 E., the closing cor. of T. 31 S., Rs. 2 and 3 E. was set, and from this cor., the W. bdy. of the township was run S., a distance of 480.00 chs., where the cor. of Ts. 31 and 32 S., Rs. 2 and 3 E. was set.

The S. bdy. of the township, was run E., from the cor. of Ts. 31 and 32 S., Rs. 2 and 3 E., a distance of 477.74 chs., where the cor. of Ts. 31 and 32 S., Rs. 3 and 4 E. was set.

The E. bdy. of the township, was run N., from the cor. of Ts. 31 and 32 S., Rs. 3 and 4 E., a distance of 479.50 chs. to an intersection with the Sixth Standard Parallel South, where the closing cor. of T. 31 S.,

Method of Procedure.

R. 3 and 4 E. was set.

The township was subdivided from the east to the west and the fractional distances placed against the north and west boundaries of the township.

One lake, containing an area of over 25 acres, was found in secs. 28, 29, 32 and 33, and the shores of this lake were meandered.

Retracement of the 6th St. Par. S., Through R. 3 E.

From the standard cor. of T. 30 S., R. 3 E., which is hereinafter described.

East, on a retracement line along the S. bdy. sec. 31.

40.00 Fall 23 lks. N. of the standard $\frac{1}{4}$ sec. cor. sec. 31, hereinafter described.

The course of this half mile therefore is, S. 89°40' E., and the distance is 40.00 chs.

Offset to the $\frac{1}{4}$ sec. cor. and continue E. with continuous measurement.

79.74 Fall 21 lks. S. of the standard cor. of secs. 31 and 32, hereinafter described.

The course of this half mile therefore is, N. 89°42' E., and the distance is 39.74 chs.

East, along the S. bdy. of sec. 32.

40.38 Fall 6 lks. S. of the standard $\frac{1}{4}$ sec. cor. sec. 32, hereinafter described.

The course of this half mile therefore is, N. 89°55' E. and the distance is 40.38 chs.

Offset to the $\frac{1}{4}$ sec. cor. and continue E. with continuous measurement.

80.51 Fall 13 lks. N. of the standard cor. of secs. 32 and 33, hereinafter described.

The course of this half mile therefore is, S. 89°49' E. and the distance is 40.13 chs.

Retracement of the 6th St. Par. S., through R. 3 E.

Chains

East, along the S. bdy. of sec. 33.

40.15 Intersect the standard $\frac{1}{4}$ sec. cor. sec. 33, hereinafter described.

The course of this half mile therefore is E., and the dist. is 40.15 chs.

Continue E. on same line with continuous measurement.

80.04 Fall 2 lks. N. of the standard cor. of secs. 33 and 34, hereinafter described.

The course of this half mile therefore is, S. 89°58' E. and the distance is 39.89 chs.

East, along the S. bdy. of sec. 34.

39.58 Fall 22 lks. N. of the standard $\frac{1}{4}$ sec. cor. sec. 34, hereinafter described.

The course of this half mile therefore is S. 89°41' E., and the distance is 39.58 chs.

Offset to the $\frac{1}{4}$ sec. cor. and continue E. with continuous measurement.

79.95 Fall 26 lks. N. of the standard cor. of secs. 34 and 35, hereinafter described.

The course of this half mile therefore is, S. 89°38' E., and the distance is 40.37 chs.

East, along the S. bdy. of sec. 35.

39.38 Intersect the standard $\frac{1}{4}$ sec. cor. sec. 35, hereinafter described.

The course of this half mile therefore is E., and the distance is 39.38 chs.

Continue E. on same line with continuous measurement.

79.09 The standard cor. of secs. 35 and 36, hereinafter described

The course of this half mile therefore is E., and the distance is 39.71 chs.

Retracement of the 6th St. Par. S., through R. 3 E.

Chains

East, along the S. bdy. of sec. 36.

40.00 Intersect the standard $\frac{1}{4}$ sec. cor. sec. 36, hereinafter described.

The course of this half mile therefore is, E., and the distance is 40.00 chs.

Continue E. on same line with continuous measurement.

80.00 Fall 8 lks. S. of the standard cor. of T. 30 S., Rs. 3 and 4 E., hereinafter described.

The course of this half mile therefore is, N. 89°53' E., and the distance is 40.00 chs.

Resurvey of the 6th St. Par. S., through R. 3 E.

From the standard cor. of T. 30 S., R. 3 E., which is an iron post, 3 ins. diam., extending 12 ins. above ground, firmly set, with brass cap marked.

T30S	
S31	
S6	R3E
T31S	

1915

From which,

An aspen, 6 ins. diam., bears N. 30° E., 7 lks. dist., marked T30S R3E S31 BT.

An aspen, 6 ins. diam., bears S. 45° E., 10 lks. dist., marked T31S R3E S6 BT.

I destroy the marks on the cor. and bearing tree that pertain to T. 31 S., R. 3 E.

Thence,

S. 89°40' E., on a resurvey line along the S. bdy. of sec. 31.

Descend gradually over rolling top of ridge, through scattering timber and undergrowth.

9.50 Top of abrupt descent over broken SE. slope of ridge, bears NE. and SW.

25.00 Base of abrupt descent from ridge, bears NE. and SW.; descend gradually.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

35.20 Draw, 240 ft. below the township cor., drains N. 20° E.; ascend gradually over rolling NW. slope.

40.00 On rolling top of spur, 80 ft. above draw, projects N.; the original standard $\frac{1}{4}$ sec. cor. sec. 31, which is a trachyte, 10 x 10 x 10 ins.; above ground, loosely set, marked SC $\frac{1}{4}$ on N. face.

From which,

A red pine, 12 ins. diam., bears N. 82° E., 7 lks. dist., marked SC $\frac{1}{4}$ S8 BT.

A red pine, 12 ins. diam., bears S. 24° W., 25 lks. dist., marked SC $\frac{1}{4}$ S6 BT.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for standard $\frac{1}{4}$ sec. cor. sec. 31, with brass cap marked.

SC
 $\frac{1}{4}$ S31

1924

I destroy the marks on the bearing tree to the SW. and change the marks on the NE. bearing tree from sec. 8 to sec. 31 and take an additional bearing tree as follows.

An aspen, 8 ins. diam., bears N. 86° W., 126 lks. dist., marked $\frac{1}{4}$ S31 SC BT.

Thence, N. 89°42' E., with continuous measurement.

48.15 On gentle NE. slope, 40 ft. below top of spur; point for the closing cor. of T. 31 S., Rs. 2 and 3 E.

Set an iron post, 3 ft. long, 3 ins. diam., 22 ins. in the ground to bedrock and in a large mound of stone, for closing cor. of T. 31 S., Rs. 2 and 3 E.; with brass cap marked.

T30S R3E
S31

S1	S6
R2E	R3E

T31S

CC

1924

From which,

A red pine, 8 ins. diam., bears S. 15° E., 280 lks. dist., marked T31S R3E S6 CC BT.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

55.00 A red pine, 10 ins. diam., bears S. 51° W., 76 lks. dist., marked T31S R2E S1 CC BT.

55.50 Draw, 30 ft. below the closing cor., drains N. 20° E.; ascend gradual NW. slope of spur.

66.50 Spur, 60 ft. above draw, projects NE.; descend gradual SE. slope of spur.

79.74 On gentle N. slope, 90 ft. below spur; the original standard cor. of secs. 31 and 32, which is a trachyte, 12 x 10 x 8 ins. above ground, firmly set, marked with 1 notch on W. edge, SC on N. face and 5 notches on E. edge, witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor.

Alongside the original standard cor.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a large mound of stone for standard cor. of secs. 31 and 32, with brass cap marked.

	S	C
T30S	|	R3E
S31	|	S32

1924

From which,

A red pine, 12 ins. diam., bears N. 69° E., 470 lks. dist., marked T30S R3E S32 SC BT.

No other suitable bearing trees available.

Land, low rolling hills broken in places by outcroppings of trachyte ledges, with a general northeasterly exposure and drainage.

Soil, shallow rich black loam, mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and scattering patches of scrub oak brush.

Timber, scattering cedar, pinon, aspen, red and yellow pine.

Good grazing.

. Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

- N. $89^{\circ}55'$ E., on resurvey line along the S. bdy. sec. 32.
Descend gradually over rolling land through scattering
timber and undergrowth.
- 5.00 Draw, 30 ft. below cor., drains NE.; ascend gradually over
rolling NW. slope.
- 21.00 Spur, 30 ft. above draw, projects N. 30° E.; descend
gradually over rolling E. slope.
- 37.00 Top of abrupt descent into Dark Valley, bears N. and S.
- 40.38 On broken E. slope, 150 ft. below spur; the original
standard $\frac{1}{4}$ sec. cor. sec. 32, which is a trachyte,
12 x 12 x 10 ins. above ground, loosely set, marked
SC $\frac{1}{4}$ S on N. face,

From which,

An aspen, 8 ins. diam., bears S. $67^{\circ}30'$ E., 210 lks.
dist., marked SC $\frac{1}{4}$ S4 BT.

A yellow pine, 19 ins. diam., bears S. 85° W., 179 lks.
dist., marked SC $\frac{1}{4}$ S4 BT.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the
ground to bedrock and in a large mound of stone, for
standard $\frac{1}{4}$ sec. cor. sec. 32, with brass cap marked.

SC
 $\frac{1}{4}$ S32

1924

I destroy the marks on the two bearing tree to the S.,
and take bearing trees to the N. as follows.

A yellow pine, 20 ins. diam., bears N. 47° E., 280 lks.
dist., marked $\frac{1}{4}$ S32 SC BT.

An aspen, 6 ins. diam., bears N. 53° W., 135 lks.
dist., marked $\frac{1}{4}$ S32 SC BT.

Thence, S. $89^{\circ}49'$ E., with continuous measurement.

- 51.00 Stream of good clear water, 15 lks. wide, 4 ins. deep,
drains N. 20° E., at base of descent, bears N. 20° E.

Resurvey of the 6th St. Par. S., through R. 3 E.

chains

and S. 20° W., 150 ft. below the $\frac{1}{4}$ sec. cor.; thence over rolling bottom of Dark Valley.

62.00 Wagon road, bears N. 20° E. to Bicknell, Utah, and S. 20° W., to ranch house, in Dark Valley and to Boulder, Utah.

69.50 Base of abrupt ascent over steep W. slope from Dark Valley, bears N. and S.

79.50 Spur, 80 ft. above Dark Valley, projects S.; thence over rolling hills.

80.51 On gentle E. slope, 20 ft. below spur; the original standard cor. of secs. 32 and 33, which is a trachyte, 10 x 10 x 10 ins. above ground, loosely set, marked 2 notches on W. edge, SC on N. face and 4 notches on E. face. No trace of the bearing trees reported for cor. were found.

Alongside the original standard sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 32 and 33, with brass cap marked.

S C	
T30S	R3E
S32	S33

1924

From which,

An aspen, 10 ins. diam., bears N. 71°30' E., 156 lks. dist., marked T30S R3E S33 SC BT.

An aspen, 6 ins. diam., bears N. 14° W., 209 lks. dist., marked T30S R3E S32 SC BT.

Land, rolling hills broken in places by outcroppings of trachyte ledges, with a general easterly and westerly exposure and drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, scattering patches of aspen, white and yellow pine.

Good grazing.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

East, on resurvey line along the S. bdy. of sec. 33.
Descend gradually over rolling land through scattering
timber and undergrowth.

- 1.60 Draw, 20 ft. below cor., drains S.; ascend gradually
over rolling W. slope of ridge.
- 7.60 Rolling top of ridge, 70 ft. above draw, bears N. 30° W.
and S. 30° E.; descend gradually.
- 10.00 Bottom of small circular basin, 20 ft. below ridge;
ascend gradually over rolling SW. slope of ridge.
- 19.00 Ridge, 70 ft. above basin, bears NW. and SE.; descend
gradually over rolling NE. slope of ridge.
- 25.00 Bottom of small circular basin, 40 ft. below ridge;
ascend gradually over rolling land.
- 40.15 On gentle W. slope, 110 ft. above basin; the original
standard $\frac{1}{4}$ sec. cor. sec. 33, which is a trachyte,
18 x 12 x 7 ins., lying on ground, marked $\frac{1}{4}$ SC.

From which,

A yellow pine, 20 ins. diam., bears N. 20° E., 158 lks.
dist., marked SC $\frac{1}{4}$ S33 BT.

No trace of the NW. bearing tree reported taken could be
found.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for standard $\frac{1}{4}$ sec. cor. sec. 33, with brass
cap marked.

SC
 $\frac{1}{4}$ S33

1924

Take an additional bearing tree to the cor. as follows.

A yellow pine, 14 ins. diam., bears N. 62°45' W.,
249 lks. dist., marked $\frac{1}{4}$ S33 SC BT.

Thence, S. 89°58' E., with continuous measurement.

- 46.40 Low ridge, 30 ft. above the standard $\frac{1}{4}$ sec. cor., bears
N. and S.; descend gradually over rolling E. slope of
ridge.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

- 65.20 The N. edge of bottom of small basin, 90 ft. below the ridge; ascend gradually over rolling SW. slope.
- 72.00 Wagon road, bears N. to Bicknell, Utah, and S. to a saw mill.
- 72.70 Ditch, 10 lks. wide, 2 ft. deep, drains S. to saw mill.
- 75.00 Top of round knoll, 80 ft. above basin; descend gradually over rolling E. slope; from this point, the N. edge of a lake, area about $3\frac{1}{2}$ acres, bears S. $22^{\circ}30'$ W., 15.43 chs. dist.
- 80.04 On level land, 20 ft. below top of knoll; the standard cor. of secs. 33 and 34, which is a trachyte, 15 x 10 x 10 ins. above ground, firmly set, marked 3 notches on W. edge, SC on N. face and 3 notches on E. edge. No trace of the bearing trees to the cor. could be found. Alongside the original standard sec. cor. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 33 and 34, with brass cap marked.

	S	C
T30S	R3E	
S33	S34	

1924

From which,

An aspen, 10 ins. diam., bears N. $79^{\circ}15'$ E., 16 lks. dist., marked T30S R3E S34 SC BT.

An aspen, 6 ins. diam., bears N. $7^{\circ}30'$ W., 47 lks. dist., marked T30S R3E S33 SC BT.

Land, low rolling hills broken in places by outcroppings of trachyte ledges with a general southerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, scattering patches of aspen and yellow pine.

Good grazing.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

S. $89^{\circ}41'$ E., on a resurvey line along the S. bdy. of sec. 34.

Ascend gradually over rolling mountainous land along bottom of Birch Creek Canyon through dense timber and scattering undergrowth.

.60 One wire telephone line, bears N. 3° E. to Teasdale, Utah, and S. 3° W. to Escalante, Utah. From this point, the smoke stack on a saw mill, bears S. 40° W., 9.50 chs. dist.

3.00 Ditch, 5 lks. wide, 2 ft. deep, drains SW. to saw mill and to a ranch located in sec. 8, T. 31 S., R. 3 E.

34.50 Spur, 180 ft. above cor., projects NW.; descend gradually over rolling NE. slope of spur.

39.58 On rolling NE. slope, 60 ft. below spur; the standard $\frac{1}{4}$ sec. cor. of sec. 34, which is a stationary trachyte boulder, 3 x 2 x 2 ft. above ground, dimly marked SC $\frac{1}{4}$ on N. face.

From which,

An aspen, 4 ins. diam., bears N. 18° E., 47 lks. dist., marked SC $\frac{1}{4}$ S34 BT.

An aspen, 5 ins. diam., bears N. 5° W., 57 lks. dist., marked SC $\frac{1}{4}$ S34 BT.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for the standard $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked.

SC
 $\frac{1}{4}$ S34

1924

Thence, S. $89^{\circ}38'$ E., with continuous measurement.

Begin to ascend gradually along rolling bottom of Birch Creek Canyon.

50.00 Birch Creek, stream of good water, 5 lks. wide, 4 ins. deep, in channel, 15 lks. wide, 3 ft. deep, drains N. 85° W.; continue gradual ascent.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

76.40 Recross Birch Creek, drains S. 70° W.

79.95 In rolling bottom of Birch Creek Canyon, on S. side of creek, 160 ft. above the standard 1/4 sec. cor.; the standard cor. of secs. 34 and 35, which is a trachyte, 10 x 10 x 8 ins. above ground, firmly set, marked 4 notches on W. edge, SC on N. face and 2 notches on E. edge.

From which,

An aspen, 5 ins. diam., bears N. 12° E., 13 lks. dist., marked SC T30S R3E S35 BT.

A white pine, 10 ins. diam., bears N. 80° W., 22 lks. dist., marked SC T30S R3E S34 BT.

Alongside the original standard sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for standard cor. of secs. 34 and 35, with brass cap marked.

	S	C
T30S	R3E	
S34	S35	

1924

Land, rolling bottom of Birch Creek Canyon, with a general westerly exposure and drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense aspen, white and yellow pine.

Good grazing.

East, on resurvey line along the S. bdy. of sec. 35.

Ascend abruptly over broken mountainous land along bottom of Birch Creek Canyon through dense timber and scattering undergrowth.

13.60 Spur, 230 ft. above cor., projects N.; descend gradually over broken E. slope of spur.

19.20 Birch Creek, stream of good water, 6 lks. wide, 4 ins. deep, in channel, 15 lks. wide, 3 ft. deep, drains

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

- N. 70° W.; ascend abruptly over broken SW. slope of the W. rim of the Boulder Mountain.
- 35.20 Base of broken trachyte ledge, 300 ft. above Birch Creek, bears N. and S.
- 36.70 Top of ledge, 180 ft. above base, bears N. and S.; continue abrupt ascend over broken W. slope.
- 39.38 On top of spur, 60 ft. above top of ledge, projects SW.; the original standard $\frac{1}{4}$ sec. cor. of sec. 35, which is a trachyte, 24 x 10 x 8 ins. above a mound of stone, firmly set, marked SC $\frac{1}{4}$ on N. face.

From which,

An aspen, 5 ins. diam., bears N. 30° E., 28 lks. dist., marked SC $\frac{1}{4}$ S35 BT.

An aspen, 6 ins. diam., bears S. 3° W., 21 lks. dist., marked SC $\frac{1}{4}$ S35 BT. I destroy the marks on this tree and take a bearing tree to the NW. as follows.

A white pine, 8 ins. diam., bears N. 51° W., 135 lks. dist., marked $\frac{1}{4}$ S35 SC BT.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for standard $\frac{1}{4}$ sec. cor. sec. 35, with brass cap marked.

SC
 $\frac{1}{4}$ S35

1924

Continue E., on same line with continuous measurement.

41.50 Draw, 20 ft. below the standard $\frac{1}{4}$ sec. cor., drains SW.; ascend abruptly over broken W. slope.

44.50 Base of broken trachyte ledge, 100 ft. above draw, bears NE. and SW.; ascend abruptly over broken NW. face of ledge.

47.50 Top of ledge, 250 ft. above base, bears NE. and SW.; ascend gradually over broken steep N. slope.

56.20 Spur, 80 ft. above top of ledge, projects NW.; descend abruptly over broken NE. slope of spur.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

62.00 Draw, 100 ft. below spur, drains NW.; ascend abruptly over broken abrupt N. slope of spur.

70.00 Spur, 150 ft. above draw, projects N.; descend abrupt E. slope of spur.

74.20 Gulch, 80 ft. below spur, drains N.; ascend abrupt W. slope.

79.09 On steep W. slope, 60 ft. above gulch; the standard cor. of secs. 35 and 36, which is a trachyte, 12 x 12 x 8 ins. above ground, firmly set, marked with 5 notches on W. edge, SC on N. face and 1 notch on E. edge.

From which,

A white pine, 6 ins. diam., bears N. 19° E., 19 lks. dist., marked SC T30S R3E S36 BT.

A white pine, 20 ins. diam., bears N. 35° W., 35 lks. dist., marked SC T30S R3E S35 BT.

Alongside the original standard sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for standard cor. of secs. 35 and 36, with brass cap marked.

	S	C
T30S	R3E	
S35	S36	

1924

Land, broken W. breaks of the top of the boulder mountain with a general northerly and westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and scrub aspen.

Timber, dense aspen, white and yellow pine.

Good grazing.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

East, on a resurvey line along the S. bdy. of sec. 36. Ascend abruptly over broken W. slope of the top of the Boulder Mountain through dense timber and scattering undergrowth.

28.00 Ridge, 280 ft. above cor., bears N. and S.; thence ascend gradually over rolling top of Boulder Mountain.

40.00 On rolling top of Boulder Mountain; the standard $\frac{1}{4}$ sec. cor. of sec. 36, which is a trachyte, 24 x 12 x 12 ins. above ground, firmly set, marked SC $\frac{1}{4}$ S on N. face.

From which,

A white pine, 12 ins. diam., bears N. 79° W., 10 lks. dist., marked SC $\frac{1}{4}$ S36 BT.

No trace of the NE. bearing tree as reported could be found, I therefore take a NE. bearing tree as follows.

A white pine, 10 ins. diam., bears N. 45° E., 213 lks. dist., marked $\frac{1}{4}$ S36 SC BT.

Alongside the original standard $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for standard $\frac{1}{4}$ sec. cor. sec. 36, with brass cap marked.

SC
 $\frac{1}{4}$ S36

1924

N. 89°53' E., with continuous measurement.

80.00 The standard cor. of T. 30 S., Rs. 3 and 4 E., which is a trachyte, 30 x 18 x 12 ins., above a mound of stone, firmly set, marked with 6 notches on all 4 edges and SC on N. face. No trace of any bearing tree to cor. could be found.

Alongside the original standard township cor.

Set an iron post, 3 ft. long, 3 ins. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for standard cor. of T. 30 S., Rs. 3 and 4 E., with brass cap marked.

Resurvey of the 6th St. Par. S., through R. 3 E.

Chains

SC
T30S
R3E R4E
S36 S31.

1924

From which,

A white pine, 6 ins. diam., bears N. 45° E., 200 lks.
dist., marked T30S R4E S31 SC BT.

A white pine, 15 ins. diam., bears N. 55° W., 312 lks.
dist., marked T30S R3E S36 SC.BT.

Land, rolling top of the Boulder Mountain, broken in
places by outcroppings of trachyte ledges.

Soil, shallow rich black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Good grazing.

Survey of the 6th St. Par. S., through R. 4 E.

From the standard cor. of T. 30 S., Rs. 3 and 4 E.,
heretofore described.

East, along the S. bdy. of sec. 31.

Ascend gradually over rolling top of the Boulder Mountain
through medium dense timber and scattering undergrowth.

40.00 On gentle SW. slope, 100 ft. above the standard township
cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for standard $\frac{1}{4}$ sec. cor. sec. 31, with brass
cap marked.

SC
 $\frac{1}{4}$ S31

1924

From which,

A white pine, 18 ins. diam., bears N. 42° E., 87 lks.
dist., marked $\frac{1}{4}$ S31 SC BT.

A white pine, 12 ins. diam., bears N. 68° W., 18 lks.
dist., marked $\frac{1}{4}$ S31 SC BT.

Survey of the 6th St. Par. S., through R. 4 E.

Chains

71.00 Rolling top of ridge, 80 ft. above the standard $\frac{1}{4}$ sec. cor. bears N. and S.; descend gradually over rolling E. slope of ridge.

80.00 On rolling E. slope of ridge, 30 ft. below top.
Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for standard cor. of secs. 31 and 32, with brass cap marked.

	S	C
T30S	R	R4E
S31	S	S32

1924

From which,

A white pine, 20 ins. diam., bears N. $64^{\circ}30'$ E.,
380 lks. dist., marked T30S R4E S32 SC BT.

A white pine, 10 ins. diam., bears N. 51° W.,
230 lks. dist., marked T30S R4E S31 SC BT.

Land, rolling top of the Boulder Mountain broken in places by outcroppings of trachyte ledges.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, medium dense growth of white pine.

Good grazing.

Survey of the West Boundary of T. 31 S., R. 3 E.

From the closing cor. of T. 31 S., Rs. 2 and 3 E., which is heretofore described.

South, along the W. bdy. of the township bet. secs. 1 and 6.

Ascend gradually over rolling mountainous land through dense timber and scattering undergrowth.

15.50 Ascent becomes abrupt, bears N. 70° W. and S. 70° E.

21.20 Spur, 120 ft. above cor., projects E.; descend gradually over rolling S. slope of spur.

31.40 Head of draw, 70 ft. below spur, drains E.; ascend gradually over rolling N. slope of spur.

Survey of the West Boundary of T. 31 S., R. 3 E.

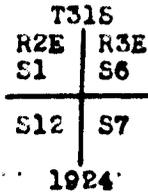
Chains

- 36.00 Spur, 20 ft. above draw, projects E.; descend gradually over rolling SE. slope.
- 40.00 On rolling SE. slope, 20 ft. below spur.
Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to bedrock and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked.



From which,
 A red pine, 16 ins. diam., bears N. 61°30' E., 256 lks. dist., marked $\frac{1}{2}$ S6 BT.
 A red pine, 14 ins. diam., bears N. 2°15' W., 233 lks. dist., marked $\frac{1}{2}$ S1 BT.

- 45.00 Gulch, 40 ft. below the $\frac{1}{2}$ sec. cor., drains N. 75° E.; ascend abruptly over broken NW. slope.
- 51.00 Ascent becomes gradual, bears E. and W.
- 64.55 Red pine, 36 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.
- 69.60 Red pine, 30 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.
- 80.00 On gentle NW. slope, 210 ft. above gulch.
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 1, 6, 7 and 12, with brass cap marked.



From which,
 A red pine, 12 ins. diam., bears N. 79° E., 34 lks. dist., marked T31S R3E S6 BT.
 An aspen, 12 ins. diam., bears S. 52° E., 37 lks. dist., marked T31S R3E S7 BT.

Survey of the West Boundary of T. 31 S., R. 3 E.

Chains

An aspen, 8 ins. diam., bears S. 58° W., 27 lks. dist.,
marked T31S R2E S12 BT.

An aspen, 10 ins. diam., bears N. 36° W., 42 lks.
dist., marked T31S R2E S1 BT.

Land, low rolling hills with a general northeasterly
exposure and drainage.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense aspen, red and yellow pine.

Good grazing.

South, bet. secs. 7 and 12.

Ascend gradually over rolling mountainous land through
medium dense timber and scattering undergrowth.

10.00 Rolling top of ridge, 20 ft. above cor., bears NE. and SW.;
descend gradually over rolling SE. slope.

15.50 Leave timber, bears E. and W.

40.00 On rolling land, in small grove of scrub aspen timber.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S12 | S7
1924

From which,

An aspen, 8 ins. diam., bears S. 32° E., 102 lks.
dist., marked $\frac{1}{4}$ S7 BT.

An aspen, 6 ins. diam., bears N. 28° W., 36 lks.
dist., marked $\frac{1}{4}$ S12 BT.

51.40 Swale, 40 ft. below ridge, drains N. 60° W.; ascend
gradually.

52.70 Enter medium dense timber, bears NE. and SW.

73.70 Ridge, 70 ft. above swale, bears N. 50° E. and S. 50° W.;
descend gradually over rolling SE. slope.

80.00 On gentle SE. slope, 30 ft. below ridge.
 Dist. from post, 3 ft. long, 2 ins. diam., 27 ins. in
 the ground, for the cor. of secs. 7, 12, 13 and 18,
 with brass cap marked.

T31S	
R2E	R3E
S12	S7
S13	S18

1924.

From which,

A red pine, 11 ins. diam., bears N. 70° E., 23 lks.
 dist., marked T31S R3E S7 BT.

A red pine, 12 ins. diam., bears S. 39° E., 36 lks.
 dist., marked T31S R3E S18 BT.

A red pine, 16 ins. diam., bears S. 78° W., 63 lks.
 dist., marked T31S R2E S13 BT.

A red pine, 10 ins. diam., bears N. 63° W., 64 lks.
 dist., marked T31S R2E S12 BT.

Land, low rolling hills with a general southeasterly
 exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders
 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, medium dense aspen, red and yellow pine on
 portions of mile.

Good grazing.

South, bet. secs. 13 and 18.

Descend gradually over rolling mountainous land through
 dense timber and scattering undergrowth.

2.00 Draw, 50 ft. below cor., drains SW.; ascend gradually.

13.52 Red pine, 12 ins. diam., which I mark with 2 notches on
 N. and S. faces for line tree.

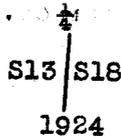
17.38 Red pine, 18 ins. diam., which I mark with 2 notches on
 N. and S. faces for line tree.

35.89 Red pine, 8 ins. diam., which I mark with 2 notches on
 N. and S. faces for line tree.

Survey of the West Boundary of T. 32 S. R. 10 E. S. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24

Chains

40.00 On gentle NW. slope, 90 ft. above draw. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

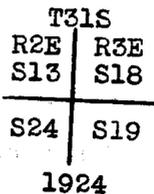
An aspen, 6 ins. diam., bears N. 66° E., 35 lks. dist., marked $\frac{1}{4}$ S18 BT.

An aspen, 10 ins. diam., bears S. 82° W., 25 lks. dist., marked $\frac{1}{4}$ S13 BT.

63.00 Rolling top of ridge, 60 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend gradually over rolling SE. slope of ridge.

66.40 Descent becomes abrupt, bears NE. and SW.

80.00 On broken abrupt SE. slope, 280 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 13, 18, 19 and 24, with brass cap marked.



From which,

A red pine, 12 ins. diam., bears S. 15° E., 132 lks. dist., marked T31S R3E S19 BT.

A red pine, 12 ins. diam., bears S. 4°30' W., 148 lks. dist., marked T31S R2E S24 BT.

A red pine, 24 ins. diam., bears N. 53° W., 90 lks. dist., marked T31S R2E S13 BT.

No suitable NE. bearing tree available.

Land, low rolling hills with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Survey of the West Boundary of T. 31 S., R. 3 E.

Undergrowth, scattering sage and buck brush.

Timber, dense aspen, red and yellow pine.

Good grazing.

South, bet. secs. 19 and 24.

Descend abruptly over broken SE. slope through dense timber and scattering undergrowth.

14.10 Gulch, 290 ft. below cor., drains NE.; ascend abruptly over broken NW. slope of gulch.

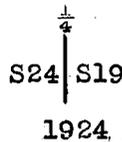
20.50 Spur, 60 ft. above gulch, projects W.; leave timber, bears N. 70° E. and S. 70° W.; thence over rolling sagebrush flat.

25.50 Draw, 30 ft. deep, drains W.

33.00 Spur, 30 ft. high, projects W.

40.00 On gentle SW. slope of sagebrush flat.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



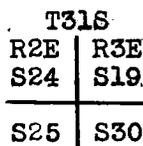
Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

44.80 Draw, 20 ft. deep, drains N. 60° W.

75.80 Dim road, bears N. 60° E. to Bicknell, Utah and S. 60° W. to Big Lake.

80.00 On gentle N. slope of sagebrush flat.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 19, 24, 25 and 30, with brass cap marked.



1924

Deposit a trachyte, 14 x 8 x 8 ins., at base of post, marked with a cross (X).

Survey of the West Boundary of T. 31 S., R. 3 E.

Chains

Land, broken by outcroppings of trachyte ledges on N. portion of mile with a general southeasterly exposure and drainage; rolling sagebrush flat on S. portion, with a general westerly exposure and drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense aspen, red and yellow pine on N. portion of mile; no timber on S. portion.

Good grazing.

South, bet. secs. 25 and 30.

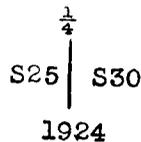
Ascend gradually over rolling sagebrush flat through scattering undergrowth.

8.20 Enter dense timber, bears E. and W.

15.00 Land, becomes broken, bears E. and W.

40.00 On broken N. slope, 130 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

An aspen, 6 ins. diam., bears N. 70° E., 21 lks. dist., marked $\frac{1}{4}$ S30 BT.

A red pine, 8 ins. diam., bears N. 48° W., 35 lks. dist., marked $\frac{1}{4}$ S25 BT.

50.00 Ascent becomes abrupt, bears E. and W.

70.00 Ascent becomes gradual, bears E. and W.

80.00 On gentle N. slope, near top of ascent, 560 ft. above the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with brass cap marked.

Survey of the West Boundry of T. 31 S., R. 3 E.

Chains

T31S	
R2E	R3E
S25	S30
S36	S31
1924	

From which,

A red pine, 8 ins. diam., bears N. 30° E., 75 lks.
dist., marked T31S R3E S30 BT.

A red pine, 6 ins. diam., bears S. 72° E., 81 lks.
dist., marked T31S R3E S31 BT.

A red pine, 6 ins. diam., bears S. 63° W., 45 lks.
dist., marked T31S R2E S36 BT.

An aspen, 6 ins. diam., bears N. 58°30' W., 24 lks.
dist., marked T31S R2E S25 BT.

Land, rolling sagebrush flat on N. portion of mile,
broken abrupt N. slope with a general northerly
exposure and drainage on S. portion.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense aspen and red and white pine on S. portion
of mile.

Good grazing.

South, bet. secs. 31 and 36.

Ascend gradually over rolling N. slope through dense
timber and scattering undergrowth.

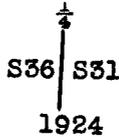
3.00 Rolling top of ridge, 20 ft. above cor., bears E. and W.;
descend gradually over rolling S. slope of ridge.

18.50 Bottom of swale, 20 ft. below ridge, drains N. 75° W.;
ascend gradually over rolling N. slope of spur.

40.00 On rolling top of spur, 80 ft. above swale, projects W.
Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground to bedrock and in a large mound of stone, for
¼ sec. cor., with brass cap marked.

Survey of the West Boundary of T. 31 S., R. 3 E.

Chains



From which,

A white pine, 12 ins. diam., bears N. 70° E., 164 lks. dist., marked $\frac{1}{4}$ S31 BT.

A white pine, 6 ins. diam., bears N. 30° W., 64 lks. dist., marked $\frac{1}{4}$ S36 BT.

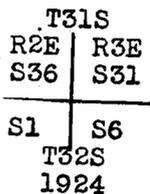
Thence descend gradually over rolling SW. slope.

45.70 Draw, 20 ft. below spur, drains SW.; ascend gradually over rolling land.

74.30 Dim road, bears NE. to Bicknell, Utah and SW. to Escalante, Utah.

80.00 On rolling SE. slope, 80 ft. above draw.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for cor. of Ts. 31 and 32 S., Rs. 2 and 3 E., with brass cap marked.



From which,

An aspen, 8 ins. diam., bears N. 34° E., 30 lks. dist., marked T31S R3E S31 BT.

An aspen, 6 ins. diam., bears S. 55° E., 28 lks. dist., marked T32S R3E S6 BT.

An aspen, 6 ins. diam., bears S. 59°30' W., 27 lks. dist., marked T32S R2E S1 BT.

A white pine, 8 ins. diam., bears N. 63°30' W., 10 lks. dist., marked T31S R2E S36 BT.

Land, low rolling hills with a general northwesterly exposure and drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense aspen and white pine. Good grazing.

From the cor. of Ts. 31 and 32 S., Rs. 2 and 3 E. .
 East, bet. secs. 6 and 31, along the S. bdy. of the
 township.

Descend gradually over rolling mountainous land through
 scattering undergrowth and dense timber.

- 7.50 The N. edge of circular sheep corral, bears S., 6.00 chs.
 dist.; leave timber, bears N. and S.
- 9.50 Bottom of swale, 40 ft. below cor., drains S.; ascend
 gradually.
- 12.70 Enter dense timber, bears N. and S.
- 17.50 Spur, 20 ft. above swale, projects S. 30° E.; descend
 gradually.
- 31.20 Draw, 40 ft. below spur, drains S.; ascend gradually.
- 37.74 On top of ridge, 40 ft. above draw, bears N. and S.
 Allowing for convergency.

Set an iron post, 3 ft. long, 1 in . diam., 27 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S31
 $\frac{1}{4}$ ———
 S6
 1924

From which,

An aspen, 6 ins. diam., bears S. 44° E., 59 lks.
 dist., marked $\frac{1}{4}$ S6 BT.

An aspen, 8 ins. diam., bears N. 43° W., 76 lks.
 dist., marked $\frac{1}{4}$ S31 BT.

Thence, descend gradual E. slope of ridge.

- 40.50 Draw, 20 ft. below ridge, drains S.; ascend gradual W.
 slope.
- 53.85 One wire telephone line, bears N. 16° E. to Teasdale,
 Utah, and S. 16° W. to Escalante, Utah.
- 54.60 Spur, 50 ft. above draw, projects S.; descend gradual
 E. slope of spur.
- 64.84 Red pine, 24 ins. diam., which I mark with 2 notches on
 E. and W. faces for line tree.
- 66.00 Leave timber, bears N. and S.

. Survey of the South Boundary of T. 31 S., R. 3 E.

Chains

72.50 . Enter timber, bears n. and S.

77.74 . On gentle E. slope, 80 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 5, 6, 31 and 32, with brass cap marked.

T31S	R3E
S31	S32
S6	S5
T32S	
1924	

From which,

A white pine, 8 ins. diam., bears N. 58° E., 47 lks. dist., marked T31S R3E S32 BT.

A white pine, 12 ins. diam., bears S. 57° E., 10 lks. dist., marked T32S R3E S5 BT.

A white pine, 10 ins. diam., bears S. 16° W., 6 lks. dist., marked T32S R3E S6 BT.

A white pine, 12 ins. diam., bears N. 62° W., 7 lks. dist., marked T31S R3E S31 BT.

Land, low rolling hills with a general southerly exposure and drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense white pine and scattering aspen and red pine on portions of mile.

Exceedingly good grazing.

East, bet. secs. 5 and 32.

Descend gradually over rolling mountainous land through dense timber and scattering undergrowth.

34.80 . Leave timber, bears N. and S.

40.00 . On gentle SE. slope, 100 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for sec. cor., with brass cap marked.

S32
S5
1924

Chains

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

From this cor., the NE. end of Jacob's Valley Reservoir,
bears S., approximately 30.00 chs. dist.

42.00 Bottom of draw, 30 ft. below the 1/4 sec. cor., drains S.;

ascend gradually over rolling W. slope of ridge.

69.00 Wagon road, bears N. to Bicknell, Utah and S., to
Boulder, Utah.

70.00 Enter dense timber, bears N. and S.

73.00 Ridge, 70 ft. above draw, bears N. and S.; descend
gradually over rolling E. slope of ridge.

80.00 On gentle NE. slope, 40 ft. below top of ridge.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground, for cor. of secs. 4, 5, 32 and 33, with
brass cap marked.

T31S	R3E
S32	S33
S5	S4
T32S	
1924	

From which,

A white pine, 10 ins. diam., bears S. 33° E., 220 lks.
dist., marked T32S R3E S4 BT.

No other suitable accessories available and soil too
loose for pits.

Deposit a trachyte, 12 x 10 x 10 ins., at base of post,
marked with a cross (X).

Land, low rolling hills with a general southerly exposure
and drainage.

Soil, shallow rich black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Timber, dense white pine and scattering aspen on portions
of mile.

Exceedingly good grazing.

Survey of the South Boundary of T₂ S₁ E., R. 3 E.

Chains

East, bet. secs. 4 and 33.

Descend gradually over rolling mountainous land through dense timber and scattering undergrowth.

2.20 Draw, 10 ft. below cor., drains S.; ascend gradually over rolling W. slope of spur.

8.70 Spur, 30 ft. above draw, projects S.; descend gradual E. slope of spur.

12.20 Draw, 20 ft. below spur, drains SE.; ascend gradual W. slope of S.

16.70 Spur, 20 ft. above draw, projects S.; descend gradual E. slope of spur.

23.70 Draw, 20 ft. below spur, drains S. 30° W.; ascend gradually over rolling W. slope.

40.00 On rolling W. slope, 130 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S33

$\frac{1}{4}$
S4

1924

From which,

An aspen, 10 ins. diam., bears N. 60° E., 28 lks. dist., marked $\frac{1}{4}$ S33 BT.

A white pine, 12 ins. diam., bears S. 89° E., 63 lks. dist., marked $\frac{1}{4}$ S4 BT.

Continue gradual ascent over rolling W. slope.

64.50 White pine, 36 ins. diam., which I mark with two notches on E. and W. faces for line tree.

65.00 Ridge, 300 ft. above the $\frac{1}{4}$ sec. cor., bears N. and S.; descend gradually over rolling E. slope of ridge.

67.50 Draw, 30 ft. below ridge, drains N.; ascend rolling W. slope.

68.00 The S. end of a marsh, 4.00 chs. wide, E. and W., 35.00 chs. long, N. and S., bears N., 3.00 chs. dist.

80.00 On rolling W. slope, 40 ft. above draw.

Survey of the South Boundary of T. 31 S., R. 3 E.

Chains

Set an iron pbst, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 33 and 34, with brass cap marked.

T31S	R3E
S33	S34
S4	S3
T32S	
1924	

From which,

An aspen, 5 ins. diam., bears N. 83° E., 81 lks. dist., marked T31S R3E S34 BT.

An aspen, 6 ins. diam., bears S. 77° E., 88 lks. dist., marked T32S R3E S3 BT.

A white pine, 12 ins. diam., bears S. 75° W., 200 lks. dist., marked T32S R3E S4 BT.

A white pine, 11 ins. diam., bears N. 57° W., 142 lks. dist., marked T31S R3E S33 BT.

Land, low rolling hills with a general westerly exposure and northerly drainage.

Soil, shallow rich black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and yellow top.

Good grazing.

East, bet. secs. 3 and 34.

Astend gradually over rolling mountainous land through dense timber and scattering undergrowth.

8.00 Base of abrupt ascent over steep W. slope of the top of Boulder Mountain, bears N. and S.

15.50 Ascent becomes more gradual, bears N. and S.

35.00 Enter the rolling top of the Boulder Mountain, 350 ft. above cor., bears N. and S. From this point, the extreme S. point of the Pink Cliffs on the Escalante Mountain, bears S. 35°36' W., approximately 35 miles dist.; thence over the rolling top of Boulder Mountain.

40.00 In bottom of swale, 20 ft. deep, drains SW.

Survey of the South Boundary of T. 31 S., R. 3 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S34
<hr style="width: 50%; margin: 0 auto;"/>
S3
1924

From which,

A white pine, 18 ins. diam., bears N. 87° E., 229 lks. dist., marked $\frac{1}{4}$ S34 BT.

A white pine, 6 ins. diam., bears S. 65° W., 63 lks. dist., marked $\frac{1}{4}$ S3 BT.

68.60 Swale, 20 ft. deep, drains SW.

73.50 Spur, 30 ft. high, projects NW.

80.00 On rolling NW. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 2, 3, 34 and 35, with brass cap marked.

T31S	R3E
S34	S35
S3	S2
T32S	
1924	

From which,

A white pine, 10 ins. diam., bears N. 69° E., 298 lks. dist., marked T31S R3E S35 BT.

A white pine, 16 ins. diam., bears S. 38° E., 95 lks. dist., marked T32S R3E S2 BT.

A white pine, 18 ins. diam., bears S. 55° W., 88 lks. dist., marked T32S R3E S3 BT.

A white pine, 20 ins. diam., bears N. 82° W., 158 lks. dist., marked T31S R3E S34 BT.

Land, low rolling hills with a general southwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Chains

Timber, dense white pine.

Exceedingly good grazing.

East, bet. secs. 2 and 35.

Over rolling top of Boulder Mountain through medium dense timber.

40.00 On rolling top of ridge, 50 ft. high, bears N. 70° W. and S. 70° E.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S35
—
$\frac{1}{4}$ S2

1924

From which,

A white pine, 24 ins. diam., bears N. 15° E., 9 lks. dist., marked $\frac{1}{4}$ S35 BT.

A white pine, 8 ins. diam., bears S. 48° E., 39 lks. dist., marked $\frac{1}{4}$ S2 BT.

57.00 Top of rocky knoll, 50 ft. high.

62.13 A white pine, 20 ins. diam., which I mark with two notches on E. and W. faces for line tree.

73.00 The S. edge of circular lake, 3.00 chs. diam., bears N., 2.00 chs. dist., and the N. edge of circular lake, 3.00 chs. diam., bears S., 15 lks. dist. Both lakes are in bottom of open draw, 30 ft. deep, drains SE.

80.00 On rolling W. slope, at the W. edge of dense timber, bears N. and S.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 1, 2, 35 and 36, with brass cap marked.

T31S	R3E
S35	S36
S2	S1
T32S	

1924

Survey of the South Boundary of T. 31 S., R. 3 E.

Chains

From which,

A white pine, 8 ins. diam., bears N. 84° E., 23 lks. dist., marked T31S R3E S36 BT.

A white pine, 8 ins., diam., bears S. 5° E., 59 lks. dist., marked T32S R3E S1 BT.

A white pine, 14 ins. diam., bears S. 47° W., 35 lks. dist., marked T32S R3E S2 BT.

A white pine, 6 ins. diam., bears N. 77° W., 27 lks. dist., marked T31S R3E S35 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Exceedingly good grazing.

East, bet. secs. 1 and 36.

Over rolling top of Boulder Mountain through dense timber and scattering undergrowth.

16.60 Rolling top of ridge, 50 ft. high, bears NE. and SW.; descend gradually over rolling SE. slope of ridge.

40.00 On rolling land, 130 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S36
 $\frac{1}{4}$ ———
 S1
 1924

From which,

A white pine, 9 ins. diam., bears S. 8° W., 51 lks. dist., marked $\frac{1}{4}$ S1 BT.

A white pine, 6 ins. diam., bears N. 1° W., 57 lks. dist., marked $\frac{1}{4}$ S36 BT.

Survey of the South Boundary of T. 43 S., R. 3 E.

- 59.00 Bottom of swale, 70 ft. below the $\frac{1}{2}$ sec. cor., drains NE.; ascend gradually.
- 65.00 Spur, 40 ft. above swale, projects N.; descend gradual E. slope.
- 70.90 The S. edge of circular lake, 4.00 chs. in diam., bears N., 5.50 chs. dist.
- 75.00 Bottom of swale, 40 ft. below spur, drains NW.; ascend gradually.
- 80.00 On rolling NW. slope, 40 ft. above swale.
Set an iron post, 3 ft. long, 3 ins. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for cor. of T. 31 S. and 32 S., Rs. 3 and 4 E., with brass cap marked.

T31S	
R3E	R4E
S36	S31
S1	S6
T32S	
1924	

From which,

- A white pine, 6 ins. diam., bears N. 66° E., 104 lks. dist., marked T31S R4E S31 BT.
- A white pine, 10 ins. diam., bears S. 49° E., 145 lks. dist., marked T32S R4E S6 BT.
- A white pine, 12 ins. diam., bears S. 55° W., 128 lks. dist., marked T32S R3E S1 BT.
- A white pine, 10 ins. diam., bears N. 60° W., 154 lks. dist., marked T31S R3E S36 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general northwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense white pine.

Good grazing.

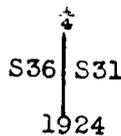
Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

From the cor. of Ts. 31 and 32 S., Rs. 3 and 4 E. North, bet. secs. 31 and 36, along the E. bdy. of the township.

Over rolling top of Boulder Mountain through dense timber and scattering undergrowth.

- 4.70 Spur, 30 ft. high, projects N. 70° W.
 - 11.50 Bottom of swale, 90 ft. deep, drains N. 70° E.
 - 27.00 Rolling top of ridge, 50 ft. high, bears NW. and SE.
 - 38.00 Draw, 50 ft. deep, drains SE.
 - 40.00 On rolling W. slope, at E. edge of draw.
- Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

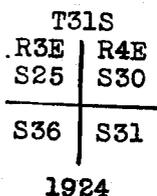


From which,

A white pine, 6 ins. diam., bears S. 9° E., 30 lks. dist., marked $\frac{1}{4}$ S31 BT.

A white pine, 9 ins. diam., bears S. 15° W., 45 lks. dist., marked $\frac{1}{4}$ S36 BT.

- 49.50 The E. edge of circular lake, 5.00 chs. diam., bears W., 3.50 chs. dist.
 - 51.90 The S. edge of circular lake, bears E. and W.
 - 55.40 The N. edge of circular lake, bears E. and W.
 - 59.20 The E. edge of circular lake, 3.50 chs. diam., bears W., 2.80 chs.
 - 80.00 On the W. point of spur, 50 ft. high.
- Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 25, 30, 31 and 36, with brass cap marked.



Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

From which,

A white pine, 8 ins. diam., bears N. 57° E., 45 lks.
dist., marked T31S R4E S30 BT.

A white pine, 10 ins. diam., bears S. 26° E., 18 lks.
dist., marked T31S R4E S31 BT.

A white pine, 6 ins. diam., bears S. 16° W., 41 lks.
dist., marked T31S R3E S36 BT.

A white pine, 6 ins. diam., bears N. 60° W., 71 lks.
dist., marked T31S R3E S25 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense white pine.

Exceedingly good grazing.

North, bet. secs. 25 and 30.

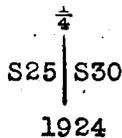
Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth.

12.30 The W. end of a circular basin, 5.00 chs. in diam.

21.20 The E. point of rocky spur, 120 ft. high.

40.00 In bottom of swale, 60 ft. deep, drains S. 75° E.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A white pine, 6 ins. diam., bears S. 1° E., 338 lks.
dist., marked $\frac{1}{4}$ S30 BT.

A white pine, 10 ins. diam., bears S. 3° W., 339 lks.
dist., marked $\frac{1}{4}$ S25 BT.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

- 46.00 Rolling top of ridge, 80 ft. high, bears SE. and NW.
- 76.50 Draw, 40 ft. deep, drains SE.
- 80.00 On rolling S. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 19, 24, 25 and 30, with brass cap marked.

T31S	
R3E	R4E
S24	S19
S25	S30
1924	

Deposit a trachyte, 12 x 10 x 8 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

Land, rolling top of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

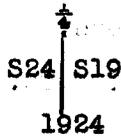
North, bet. secs. 19, and 24.

Over rolling top of Boulder Mountain through scattering timber and undergrowth.

- 4.50 Spur, 50 ft. high, projects S. 60° W.
 - 8.00 Draw, 30 ft. deep, drains S. 60° W.
 - 15.40 Rolling top of ridge, 70 ft. high, bears NE. and SW.
 - 25.50 Draw, 60 ft. deep, drains E.
 - 40.00 On rolling top of spur, 50 ft. high, projects SW.
- Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ secs cor., with brass cap marked.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains



From which,

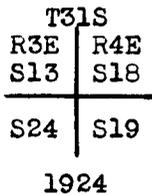
A white pine, 10 ins. diam., bears S. 14° E., 82 lks. dist., marked $\frac{1}{4}$ S19 BT.

A white pine, 12 ins. diam., bears S. 12° W., 79 lks. dist., marked $\frac{1}{4}$ S24 BT.

60.00 Top of gradual descent over rolling NE. slope, bears N. 70° W. and S. 70° E. Leave timber, bears E. and W.

80.00 In bottom of swale, 100 ft. below top of descent, drains S. 30° E.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 13, 18, 19 and 24, with brass cap marked.



Deposit a trachyte, 10 x 10 x 6 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine on S. portion of mile.

Good grazing.

North, bet. secs. 13 and 18.

Over rolling top of Boulder Mountain through scattering timber and undergrowth.

37.50 Rolling top of ridge, 30 ft. high, bears NW. and SE.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

40.00 On rolling E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 |
 S13 | S18

1924

Deposit a trachyte, 8' x 8 x 6 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

70.00 Rolling top of spur, 40 ft. high, projects E.

80.00 In bottom of swale, 40 ft. deep, drains S. 70° W.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, with brass cap marked.

T31S
 R3E | R4E
 S12 | S7

 S13 | S18

1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

Land, rolling top of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

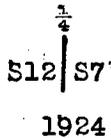
North, bet. secs. 7 and 12.

Over rolling top of Boulder Mountain through scattering undergrowth and timber.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

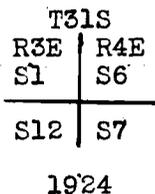
- 17.50 Spur, 30 ft. high, projects E.
- 26.50 Bottom of circular basin, 9.00 chs. diam., 30 ft. deep.
- 40.00 On rolling E. slope.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

- 58.50 Bottom of swale, 40 ft. deep, drains S. 70° W.
- 70.00 Rolling top of ridge, 40 ft. high, bears N. 70° W. and S. 70° E.
- 80.00 On rolling N. slope.
Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 1, 6, 7 and 12, with brass cap marked.



Deposit a trachyte, 10 x 8 x 8 ins., at base of post, marked with a cross (X).

No suitable bearing trees available.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges; 2nd rate.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth; scattering sagebrush.

Timber, scattering white pine.

Good grazing.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

North, bet. secs. 1 and 6.

Over rolling top of Boulder Mountain through scattering undergrowth and timber.

10.80 Spur, 30 ft. high, projects S.

21.50 Swale, 30 ft. deep, drains drains E.

40.00 On rolling S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S1 | S6
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

70.00 Timber becomes dense, bears E. and W.

79.50 Intersect the Sixth Standard Parallel South, 6.79 chs. E. of the standard $\frac{1}{4}$ sec. cor. sec. 31, which is heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for closing cor. of T. 31 S., Rs. 3 and 4 E., with brass cap marked.

T30S R4E
 S31
 S1 | S6
 R3E | R4E
 T31S
 CC
 1924

From which,

A white pine, 6 ins. diam., bears S. 35° E., 18 lks. dist., marked T31S R4E S6 CC BT.

A white pine, 8 ins. diam., bears S. 43° W., 49 lks. dist., marked T31S R3E S1 CC BT.

Land, rolling top of Boulder Mountain, broken in places by outcroppings of trachyte ledges with a general southerly exposure and drainage.

Survey of the East Boundary of T. 31 S., R. 3 E.

Chains

Soil, shallow black loam mixed with loose trachyte boulders;

2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine on S. portion of mile,
dense white pine on N. portion.

Good grazing.

Subdivision of T. 31 S., R. 3 E,

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of
the township.

N. 0°01' W., bet. secs. 35 and 36.

Over rolling top of Boulder Mountain through scattering
timber and undergrowth.

15.00 Draw, 30 ft. deep, drains S. 30° W.

16.00 Timber becomes dense, bears E. and W.

27.50 Rolling top of ridge, 50 ft. high, bears E. and W.

40.00 On rolling N. slope.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S35 | S36
1924

From which,

A white pine, 12 ins. diam., bears S. 85° E., 24 lks.
dist., marked $\frac{1}{4}$ S36 BT.

A white pine, 8 ins. diam., bears N. 27° W., 44 lks.
dist., marked $\frac{1}{4}$ S35 BT.

61.80 Draw, 100 ft. deep, drains N. 70° E.

64.90 Spur, 20 ft. high, projects E.; from this point, the W.
edge of circular lake, 2.00 chs. diam., bears E., 5.00
chs. dist.

67.50 Draw, 20 ft. deep, drains S. 70° E.

80.00 On gentle SE. slope.

Chains

1924

Set an iron post, 3 ft. long, 2 ins. diam., 2 1/2 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked.

T31S	R3E
S26	S25
S35	S36

1924

From which,

A white pine, 18 ins. diam., bears N. 22° E., 157 lks. dist., marked T31S R3E S25 BT.

A white pine, 6 ins. diam., bears S. 81° E., 221 lks. dist., marked T31S R3E S36 BT.

A white pine, 8 ins. diam., bears S. 69° W., 109 lks. dist., marked T31S R3E S35 BT.

A white pine, 18 ins. diam., bears N. 37° W., 180 lks. dist., marked T31S R3E S26 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine on S. portion of mile, dense white pine on N. portion.

Good grazing.

East, on random line bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.

79.94 Intersect the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township.

Thence,

West, on true line bet. secs. 25 and 36.

Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth.

5.00 Bottom of circular basin, 4.00 chs. diam., 40 ft. deep.

Subdivision of T. 31 S., R. 3 E.

Chains

17.50 Spur, 70 ft. high, projects SE.

37.50 Draw, 100 ft. deep, drains S.

39.97 On rolling SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S25

S36

1924

From which,

A white pine, 8 ins. diam., bears N. 65° E., 41 lks. dist., marked $\frac{1}{4}$ S25 BT.

A white pine, 14 ins. diam., bears S. 52° W., 123 lks. dist., marked $\frac{1}{4}$ S36 BT.

52.70 Rolling top of ridge, 120 ft. high, bears NW. and SE.

57.70 Bottom of basin, 4.00 chs. diam., 40 ft. deep.

70.00 Rolling top of ridge, 50 ft. high, bears N. and S.

78.00 Bottom of swale, 40 ft. deep, drains S.

79.94 The cor. of secs. 25, 26, 35 and 36.

Land, rolling top of the Boulder Mountain broken in places by outcroppings of trachyte ledges, with a general southerly exposure and drainage.

Soil, shallow black clay loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

N. 0°01' W., bet. secs. 25 and 26.

Over rolling top of the Boulder Mountain through scattering undergrowth and medium dense timber.

16.50 Ridge, 40 ft. high, bears E. and W.

35.20 Swale, 30 ft. deep, drains E.

40.00 On rolling SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

Subdivision of T. 131 S. 23 E. 34 Sec 23

Chains

contd

00.00

S26 | S25

1924

From which,

A white pine, 5 ins. diam., bears S. 5° E., 104 lks. dist., marked $\frac{1}{4}$ S25 BT.

A white pine, 6 ins. diam., bears N. 39° W., 54 lks. dist., marked $\frac{1}{4}$ S26 BT.

63.00 Ridge, 70 ft. high, bears E. and SW.

66.00 Draw, 30 ft. deep, drains E.

71.50 Spur, 20 ft. high, projects E.

76.00 Draw, 20 ft. deep, drains SE.

80.00 On gentle S. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 23, 24, 25 and 26, with brass cap marked.

T31S	R3E
S23	S24

S26	S25
-----	-----

1924

From which,

A white pine, 10 ins. diam., bears N. 89° E., 580 lks. dist., marked T31S R3E S24 BT.

A white pine, 8 ins. diam., bears S. 20° E., 10 lks. dist., marked T31S R3E S25 BT.

A white pine, 16 ins. diam., bears S. 35° W., 35 lks. dist., marked T31S R3E S26 BT.

A white pine, 8 ins. diam., bears N. 28° W., 38 lks. dist., marked T31S R3E S23 BT.

Land, rolling top of the Boulder Mountain broken in places by outcroppings of trachyte ledges with a general southeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine. Good grazing.

Chains

East, on random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. of secs. 19, 24, 25 and 30, on the E. bdy. of the township.

Thence

West, on true line bet. secs. 24 and 25.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

4.10 Draw, 30 ft. deep, drains SE.

19.00 Spur, 30 ft. high, projects N.

40.00 On rolling N. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S24

$\frac{1}{4}$

S25

1924

From which,

A white pine, 8 ins. diam., bears S. 67° E., 173 lks. dist., marked $\frac{1}{4}$ S25 BT.

No other bearing trees available.

From this cor., the S. edge of circular lake, 1.50 chs. diam., bears N., 3.00 chs. dist.

45.10 Draw, 40 ft. deep, drains N. 70° E.; thence ascend gradually.

58.00 The N. edge of circular lake, 2.00 chs. diam., bears S., 3.00 chs. dist.

80.00 The cor. of secs. 23, 24, 25 and 26, 160 ft. above draw.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledge with a general southerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

40110

N. 0° 01' W., bet. secs. 23 and 24.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

16.00 Rolling top of ridge, 40 ft. high, bears E. and W.

32.00 Bottom of swale, 70 ft. deep, drains S. 70° E.

40.00 On rolling SW. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A white pine, 20 ins. diam., bears East, 33 lks. dist., marked $\frac{1}{4}$ S24 BT.

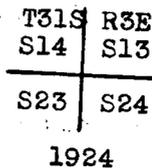
A white pine, 3 ins. diam., bears N. 5° W., 63 lks. dist., marked BT.

57.50 Rolling top of ridge, 30 ft. high, bears E. and W.

62.50 Swale, 40 ft. deep, drains E.

80.00 On rolling E. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap marked.



From which,

A white pine, 8 ins. diam., bears S. 59° E., 88 lks. dist., marked T31S R3E S24 BT.

No other suitable bearing trees available.

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

Land, rolling top of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general easterly exposure and drainage.

Subdivision of T. 31 S., R. 3 E.

Chains

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

East, on random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect the cor. of secs. 13, 18, 19 and 24, on the E. bdy. of the township.

Thence,

West, on true line bet. secs. 13 and 24.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

1.00 The E. edge of circular lake, 2.00 chs. diam.

21.00 The rolling top of spur, 50 ft. high, projects S. 60° E.;

24.00 Draw, 30 ft. deep, drains SE.

39.98 On rolling SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S13

S24

1924

From which,

A white pine, 30 ins. diam., bears N. 53° E., 114 lks. dist., marked $\frac{1}{4}$ S13 BT.

A white pine, 20 ins. diam., bears S. 82° E., 60 lks. dist., marked $\frac{1}{4}$ S24 BT.

41.20 The N. edge of circular lake, 4.00 chs. diam., bears S., 5.50 chs.

79.76 The cor. of secs. 13, 14, 23 and 24.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general easterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Subdivision of T. 31 S., R. 3 E.

Chains

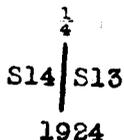
Undergrowth, scattering sagebrush.
 Timber, scattering white pine.
 Good grazing.

N. 0°01' W., bet. secs. 13 and 14.

Over rolling top of the Boulder Mountain through scattering undergrowth and timber.

- 6.00 Rolling top of ridge, 20 ft. high, bears E. and W.
- 21.00 Bottom of swale, 50 ft. deep, drains N. 70° E.
- 40.00 On rolling S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

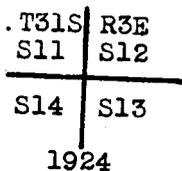
A white pine, 12 ins. diam., bears N. 11° E., 29 lks. dist., marked $\frac{1}{4}$ S13 BT..

A white pine, 8 ins. diam., bears N. 10° W., 45 lks. dist., marked $\frac{1}{4}$ S14 BT..

- 65.00 Rolling top of ridge, 30 ft. high, bears N. 60° E. and S. 60° W.

- 80.00 On rolling NE. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 11, 12, 13 and 14, with brass cap marked.



From which,

A white pine, 15 ins. diam., bears N. 60° E., 37 lks. dist., marked T31S R3E S12 BT.

A white pine, 15 ins. diam., bears S. 59° E., 146 lks. dist., marked T31S R3E S13 BT.

A white pine, 6 ins. diam., bears S. 83°30' W., 56 lks. dist., marked $\frac{1}{4}$ S14 BT.

Subdivision of T. 31 S., R. 3 E.

Chains

iron dist., marked T31S R3E S14 BT.
A white pine, 8 ins. diam., bears N. 66° W., 57 lks.

dist., marked T31S R3E S11 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges with a general easterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

East, on random line bet. secs. 12 and 13.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect the E. bdy. of the township, 7 lks. N. of the cor. of secs. 7, 12, 13 and 18.

Thence,

N. 89° 57' W., on true line bet. secs. 12 and 13.

Over rolling top of the Boulder Mountain through scattering undergrowth and timber.

22.00 Spur, 60 ft. high, projects N.

40.03 On rolling N. slope.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for

1/4 sec. cor., with brass cap marked.

S12

1/4

S13

1924

From which,

A white pine, 8 ins. diam., bears N. 73° E., 10 lks.

dist., marked 1/4 S12, BT.

A white pine, 12 ins. diam., bears S. 18° W., 27 lks.

dist., marked 1/4 S13 BT.

51.00 Bottom of swale, 30 ft. deep, drains NE.

80.06 The cor. of secs. 11, 12, 13 and 14.

Chains

cont'd

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general northeasterly exposure and drainage.
 Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.
 Undergrowth, scattering sagebrush.
 Timber, scattering white pine.
 Good grazing.

N. 0°01' W., bet. secs. 11 and 12.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

26.30 The E. edge of circular basin, 3.00 chs. diam., 70 ft. deep.

28.90 The W. edge of rocky knoll 30 ft. high.

40.00 On gentle SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



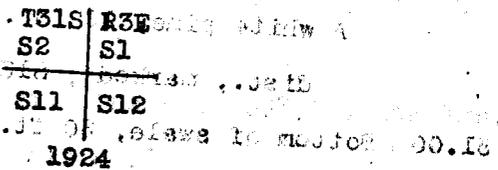
Deposit a trachyte, 12 x 12 x 10 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

60.00 Rolling top of ridge, 60 ft. high, bears E. and W.

80.00 On rolling N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 1, 2, 11 and 12, with brass cap marked.



... 1924 ...

Chains

Deposit of trachyte, 10 x 8 x 6 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

S. 89°57' E., on random line bet. secs. 1 and 12.

40.00 Set temp. 1/4 sec. cor.

80.08 Intersect the E. bdy. of the township, 5 lks. S. of the cor. of secs. 1, 6, 7 and 12.

Thence,

N. 89°59' W., on true line bet. secs. 1 and 12.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

20.00 Rolling top of ridge, 60 ft. high, bears N. 70° W. and S. 70° E.

40.04 On rolling S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S1

1/4
S12

1924

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor. No suitable bearing trees available.

54.00 Bottom of swale, 20 ft. deep, drains S. 70° E.

80.08 The cor. of secs. 1, 2, 11 and 12.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southeasterly exposure and drainage.

Chains

miss0

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate. .

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

N. 0°01' W., bet. secs. 1 and 2.

Over rolling top of the Boulder Mountain through scattering undergrowth and timber.

6.00 Swale, 30 ft. deep, drains E.

10.00 The W. edge of circular lake, 4.50 chs. diam., bears E., 10.00 chs. dist.

17.50 White clay ridge, 60 ft. high, bears E. and W..

21.00 Bottom of swale, 20 ft. deep, drains N. 30° W.

25.00 White clay spur, 20 ft. high, projects W.

34.00 Bottom of swale, 30 ft. deep, drains SW.

40.00 On rolling S. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 |
 S2 | S1
 1924

From which,

A white pine, 12 ins. diam., bears N. 58° E., 165 lks. dist., marked $\frac{1}{4}$ S1 BT.

A white pine, 12 ins. diam., bears S. 88°30' W., 304 lks. dist., marked $\frac{1}{4}$ S2 BT.

43.00 Ridge, 20 ft. high, bears E. and W.

48.50 Draw, 30 ft. deep, drains W.

51.50 Spur, 50 ft. high, projects W.

56.00 Draw, 20 ft. deep, drains W.

64.00 Spur, 30 ft. high, projects W.

75.50 Draw, 30 ft. deep, drains W.

79.40 Intersect the Sixth Standard Par. South N. 88°53' E., 6.79 chs. from the standard $\frac{1}{4}$ sec. cor. sec. 36, heretofore described.

Subdivision of T. 31 S., R. 3 E.

Chains

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for closing cor. of secs. 1 and 2, with brass cap marked.

T30S R3E	
S36	
S2	S1
T31S	R3E
C	C
1924	

From which,

A white pine, 8 ins. diam., bears S. 82° E., 155 lks. dist., marked T31S R3E S1 CC BT.

A white pine, 10 ins. diam., bears S. 33° W., 178 lks. dist., marked T31S R3E S2 CC BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering white pine.

Good grazing.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the township.

N. 0°01' W., bet. secs. 34 and 35.

Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth.

5.00 Swale, 20 ft. deep, drains SW.

19.04 A white pine, 20 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.

40.00 On broken SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for 1/4 sec. cor., with brass cap marked.

S34	S35
-----	-----

1924

Subdivision of T. 31 S., R. 3 E.

Chains

111110

From which,

A white pine, 6 ins. diam., bears N. 52° E., 14 lks. dist., marked $\frac{1}{4}$ S35 BT.

A white pine, 10 ins. diam., bears S. 74° W., 42 lks. dist., marked $\frac{1}{4}$ S34 BT.

47.00 Swale, 30 ft. deep, drains S. 70° W.

52.40 Ridge, 30 ft. high, bears N. 70° E. and S. 70° W.

72.80 Draw, 30 ft. deep, drains S. 70° E.

80.00 On rolling SE. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 26, 27, 34 and 35, with brass cap marked.

T31S	R3E
S27	S26
S34	S35

1924

From which,

A white pine, 6 ins. diam., bears N. 23° E., 20 lks. dist., marked T31S R3E S26 BT.

A white pine, 8 ins. diam., bears S. 35° E., 75 lks. dist., marked T31S R3E S35 BT.

A white pine, 8 ins. diam., bears S. 80° W., 35 lks. dist., marked T31S R3E S34 BT.

A white pine, 12 ins. diam., bears N. 70° W., 73 lks. dist., marked T31S R3E S27 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general northwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

East, on random line bet. secs. 26 and 35

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.98 Intersect the N. and S. line, 3 lks. N. of the cor. of secs. 25, 26, 35 and 36.

Thence,

N. $89^{\circ}59'$ W., on true line bet. secs. 26 and 35.

Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth.

4.50 Rolling top of ridge, 50 ft. high, bears N. 60° E. and S. 60° W.

19.50 Draw, 60 ft. deep, drains SE.

39.99 On top of spur, 50 ft. high, projects S.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S26
 $\frac{1}{4}$
S35
1924

From which,

A white pine, 12 ins. diam., bears N. 87° E., 12 lks. dist., marked $\frac{1}{4}$ S26 BT.

A white pine, 30 ins. diam., bears S. 36° W., 82 lks. dist., marked $\frac{1}{4}$ S35 BT.

60.00 Rolling bottom of swale, 40 ft. deep, drains S.

79.98 The cor. of secs. 26, 27, 34 and 35.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber; medium dense white pine.

Good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

chains

N. 0°01' W., bet. secs. 26 and 27.

Over rolling top of the Boulder Mountain through moderate dense timber and scattering undergrowth.

17.50 Rolling top of ridge, 30 ft. high, bears E. and W.

40.00 On rolling SE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	↑	
S27	|	S26
1924		

From which,

A white pine, 12 ins. diam., bears N. 2°30' E., 190 lks. dist., marked $\frac{1}{4}$ S26 BT.

A white pine, 10 ins. diam., bears N. 48° W., 86 lks. dist., marked $\frac{1}{4}$ S27 BT.

44.30 Spur, 20 ft. high, projects E.

45.50 Draw, 30 ft. deep, drains E.

60.40 Ridge, 50 ft. high, bears N. 70° E. and S. 70° W.

62.50 Draw, 50 ft. deep, drains SW.

69.50 Rolling top of ridge, 70 ft. high, bears NE. and SW.

75.50 Center of circular lake, 1.50 chs. diam., in bottom of draw, 70 ft. deep, drains W.

80.00 On rolling N. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 22, 23, 26 and 27, with brass cap marked.

T31S	|	R3E
S22	|	S23
S27	|	S26
1924		

From which,

A white pine, 6 ins. diam., bears N. 17° E., 158 lks. dist., marked T31S R3E S23 BT.

A white pine, 8 ins. diam., bears S. 41° E., 49 lks. dist., marked T31S R3E S26 BT.

Subdivision of T. 31 S., R. 13 E.

Chains

.edf 29 white pine, 8 ins. diam., bears S. 8° W., 67 lks.
dist., marked T31S R3E S27 BT.

.edf 30 A white pine, 8 ins. diam., bears N. 60° W., 91 lks.
dist., marked T31S R3E S22 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general easterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte ledges; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

S. 89°59' E., on random line bet. secs. 23 and 26.

40.00 Set temp. 1/4 sec. cor.

79.80 Intersect the N. and S. line, 12 lks. N. of the cor. of secs. 23, 24, 25 and 26.

Thence,

N. 89°54' W., on true line bet. secs. 23 and 26.

Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth.

2.26 A white pine, 24 ins. diam., which I mark with 2 notches on E. and W. faces for line tree.

11.80 Spur, 20 ft. high, projects S.

19.80 Bottom of swale, 40 ft. deep, drains SE.

34.00 A white pine, 26 ins. diam., which I mark with 2 notches on E. and W. faces for line tree.

39.90 On rolling E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for 1/4 sec. cor., with brass cap marked.

S23

1/4

S26

1924

.edf From which,

Chains

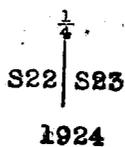
311410

- A white pine, 10 ins. diam., bears N. 12° E., 88 lks. dist., marked $\frac{1}{4}$ S23 BT.
- A white pine, 24 ins. diam., bears S. 79° E., 60 lks. dist., marked $\frac{1}{4}$ S26 BT.
- 60.30 Bottom of basin, 50 ft. deep, 3.00 chs. diam.
- 68.80 Rolling top of ridge, 40 ft. high, bears N. 20° E. and S. 20° W.
- 79.80 The cor. of secs. 22, 23, 26 and 27.
Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a southeasterly exposure and drainage.
Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.
Undergrowth, scattering sagebrush.
Timber, medium dense white pine..
Good grazing.

N. 0°01' W., bet. secs. 22 and 23.

Over rolling top of Boulder Mountain through medium dense timber and scattering undergrowth.

- 7.80 Ridge, 30 ft. high, bears E. and W.
- 10.90 Draw, 50 ft. deep, drains W..
- 21.50 Rolling top of spur, 50 ft. high, projects SW.
- 32.60 Draw, 40 ft. deep, drains S. 80° W.
- 40.00 On rolling SW. slope.
- Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

- A white pine, 8 ins. diam., bears N. 22° E., 38 lks. dist., marked $\frac{1}{4}$ S23 BT.
- A white pine, 8 ins. diam., bears N. 16° W., 33 lks. dist., marked $\frac{1}{4}$ S22 BT.

Subdivision of T. 31 S., R. 3 E.

Chains

- 51.30 Rolling top of ridge, 50 ft. high, bears N. 70° E. and S. 70° W.
- 54.80 Bottom of swale, 50 ft. deep, drains W.
- 58.50 Ridge, 30 ft. high, bears E. and W.
- 62.50 Bottom of swale, 30 ft. deep; drains W.
- 60.00 On rolling top of ridge, 30 ft. high, bears NW. and SE. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked.

T31S	R3E
S15	S14
S22	S23

1924

From which,

- A white pine, 18 ins. diam., bears N. 48° E., 53 lks. dist., marked T31S R3E S14 BT.
- A white pine, 8 ins. diam., bears S. 59° E., 108 lks. dist., marked T31S R3E S23 BT.
- A white pine, 10 ins. diam., bears S. 49° W., 141 lks. dist., marked T31S R3E S22 BT.
- A white pine, 8 ins. diam., bears N. 25° W., 127 lks. dist., marked T31S R3E S15 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam, mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

S. 89°54' E., on random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the N. and S. line, 5 lks. S. of the cor. of secs. 13, 14, 23 and 24.

Thence,

Chains

821820

N. 89°56' W., on true line bet. secs. 14 and 23, 00.10

Over rolling top of the Boulder Mountain through medium dense timber and scattering undergrowth. 00.40

5.40 Rolling top of ridge, 100 ft. high, bears N. and S. 01.00

39.95 On rolling W. slope. 01.20

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S14
 $\frac{1}{4}$
 S23
 1924

From which,

A white pine, 16 ins. diam., bears S. 37°30' W., 227 lks. dist., marked $\frac{1}{4}$ S23 BT.

No other suitable bearing tree available and soil too loose for pits.

46.00 The S. edge of circular lake, 3.00 chs. diam., bears N., 1.50 chs. dist.

58.00 Ridge, 40 ft. high, bears N. and S.

66.20 Bottom of swale, 30 ft. deep, drains N.;

79.90 The cor. of secs. 14, 15, 22 and 23.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general southerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

N. 0°01' W., bet. secs. 14 and 15.

Over rolling top of the Boulder Mountain through scattering timber and undergrowth.

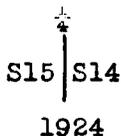
13.00 The E. edge of circular lake, 3.00 chs. diam. 00.00

20.00 Rolling top of ridge, bears E. and W. 00.00

33.50 The E. edge of circular lake, 3.00 chs. diam., bears W., 4.00 chs. 00.00

Chains

40.00 In bottom of swale, 30 ft. deep, drains W., at the E. edge of circular lake, 3.00 chs. diam.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
No suitable bearing trees available.
From this cor., the W. edge of circular lake, 3.50 chs. diam., bears E., 5.00 chs. dist.

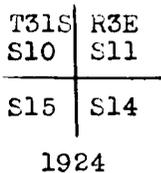
44.00 Ridge, 20 ft. high, bears E. and W.

56.30 The E. edge of circular lake, 4.00 chs. diam., bears W., 2.00 chs. dist. Lake is in bottom of swale, 60 ft. deep, drains W.

66.50 Spur, 50 ft. high, projects E.

80.00 On rolling NW. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 10, 11, 14 and 15, with brass cap marked.



From which,

A white pine, 10 ins. diam., bears N. 18° E., 24 lks. dist., marked T31S R3E S11 BT.

A white pine, 14 ins. diam., bears S. 7° E., 27 lks. dist., marked T31S R3E S14 BT.

A white pine, 10 ins. diam., bears S. 70° W., 15 lks. dist., marked T31S R3E S15 BT.

A white pine, 6 ins. diam., bears N. 30° W., 16 lks. dist., marked T31S R3E S10 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Subdivision of T. 31 S., R. 3 E.

Chains

Soil, shallow black loam; mixed with loose trachyte boulders; 2nd rate.
 Undergrowth, scattering sagebrush.
 Timber, scattering white pine.
 Good grazing.

S. 89°56' E., on random line bet. secs. 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the N. and S. line, 10 lks. S. of the cor. of
 secs. 11, 12, 13 and 14.

Thence,

West, on true line bet. secs. 11 and 14.

Over rolling top of the Boulder Mountain through medium
 dense timber and scattering undergrowth.

10.80 The N. end of lake, 1.50 chs. wide, E. and W., and 5.00
 chs. long, N. and S., bears S., 20 lks. dist.

39.95 On rolling W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
 ground, to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S11
 $\frac{1}{4}$ —————
 S14
 1924

From which,

A white pine, 10 ins. diam., bears S. 60° W., 50 lks.
 dist., marked $\frac{1}{4}$ S14 BT.

A white pine, 6 ins. diam., bears N. 55° W., 73 lks.
 dist., marked $\frac{1}{4}$ S11 BT.

63.00 Rolling top of ridge, 30 ft. high, bears N. 70° W. and
 S. 70° E.

66.00 The N. edge of circular lake, 1.50 chs. diam., bears
 S., 2.50 chs. dist.

79.90 The cor. of secs. 10, 11, 14 and 15.

Land, rolling top of the Boulder Mountain, broken in
 places by outcroppings of trachyte ledges, with a
 general northwesterly exposure and drainage.

Subdivision of T. 31 S., R. 3 E.

Chains

Soil, shallow black loam mixed with loose trachyte boulders;
2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine.

Good grazing.

N. 0° 01' W., bet. secs. 10 and 11.

Over rolling top of Boulder Mountain through dense timber
and scattering undergrowth.

5.00 Timber becomes scattering, bears N. 20° E. and S. 20° W.

9.00 The E. edge of circular lake, 4.00 chs. diam., bears W.,
1.50 chs. dist.

15.00 The E. edge of circular lake, 2.00 chs. diam.

23.50 The W. edge of circular lake, 4.50 chs. diam.,

32.50 The W. edge of circular lake, 5.00 chs. diam., bears E.,
80 lks. dist.

40.00 On rolling E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the
ground to bedrock and in a large mound of stone, for
¼ sec. cor., with brass cap marked.

S10 | S11
1924

From which,

A white pine, 12 ins. diam., bears S. 85° W., 320 lks.
dist., marked ¼ S10 BT.

No other suitable bearing trees available.

60.00 Rolling top of ridge, 50 ft. high, bears E. and W.

69.80 Draw, 60 ft. deep, drains W.

73.60 The E. edge of circular lake, 3.00 chs. diam., bears
W., 8.00 chs. dist.

80.00 On rolling SW. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for cor. of secs. 2, 3, 10 and 11, with brass
cap marked.

Chains

T31S	R3E
S3	S2
S10	S11

1924

From which,

A white pine, 12 ins. diam., bears N. 14° E., 90 lks. dist., marked T31S R3E S2 BT.

A white pine, 14 ins. diam., bears S. 71° E., 322 lks. dist., marked T31S R3E S11 BT.

A white pine, 30 ins. diam., bears S. 50° W., 265 lks. dist., marked T31S R3E S10 BT.

A white pine, 8 ins. diam., bears N. 52° W., 79 lks. dist., marked T31S R3E S3 BT.

Land, rolling top of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense white pine on S. portion of mile, scattering white pine on N. portion.

Good grazing.

East, on random line bet. secs. 2 and 11.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 1, 2, 11 and 12.

Thence,

N. 89° 57' W., on true line bet. secs. 2 and 11.

Over rolling top of Boulder Mountain through scattering timber and undergrowth.

20.00 Rolling top of ridge, 30 ft. high, bears NW. and SE.; timber becomes dense, bears NW. and SE.

39.95 On rolling W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

Subdivision of T. 31 S., R. 3 E.

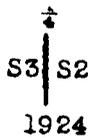
Chains

- From which, $\frac{1}{4}$ S2
- $\frac{1}{4}$ S11
- 1924
- From which,
- A white pine, 18 ins. diam., bears N. 48° W., 156 lks. dist., marked $\frac{1}{4}$ S2 BT.
- A white pine, 18 ins. diam., bears S. 85° W., 110 lks. dist., marked $\frac{1}{4}$ S11 BT.
- Thence, descend gradually over rolling SW. slope.
- 65.50 Draw, 120 ft. below the $\frac{1}{4}$ sec. cor., drains NW.; ascend gradually over rolling NE. slope.
- 69.50 The S. edge of elongated lake, 6.00 chs. wide, NE. and SW. and 8.00 chs. long, SE. and NW., bears N., 8.20 chs. dist. Note: the average depth of lake is approximately 20 ft.
- 78.50 Ridge, 110 ft. above draw, bears NW. and SE.; descend gradually over rolling SW. slope of ridge.
- 79.90 The cor. of secs. 2, 3, 10 and 11, 20 ft. below top of ridge.
- Land, rolling top of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general northwesterly exposure and drainage.
- Soil, shallow black loam, mixed with loose trachyte boulders; 2nd rate.
- Undergrowth, scattering sagebrush.
- Timber, scattering white pine on E. portion of mile, dense white pine on W. portion.
- Good grazing.
-
- N. 0°01' W., bet. secs. 2 and 3.
- Ascend gradually over broken top of the Boulder Mountain through medium dense timber and scattering undergrowth.
- 3.00 Spur, 20 ft. above cor., projects W.; descend abrupt N. slope of spur.
- 11.30 Bottom of swale, 150 ft. below spur, drains W.; ascend gradual SW. slope of ridge.

Subdivision of T. 31 S., R. 3 E.

Chains

- 18.50 Ridge, 40 ft. above swale, bears NW. and SE.; descend gradual NE. slope of ridge.
- 31.80 Descent becomes abrupt, bears E. and W.
- 39.00 Bottom of ravine at head of Birch Creek Canyon, 260 ft. below ridge, drains NW.; ascend gradual SW. slope of spur.
- 40.00 On gentle SW. slope, 20 ft. above bottom of ravine. Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



from which,

- A white pine, 6 ins. diam., bears S. 12° E., 26 lks. dist., marked $\frac{1}{4}$ S2 BT.
- A white pine, 6 ins. diam., bears S. 27° W., 38 lks. dist., marked $\frac{1}{4}$ S3 BT.
- 49.40 Spur, 70 ft. above the $\frac{1}{4}$ sec. cor., projects W.; descend abrupt N. slope of spur.
- 54.00 Bottom of ravine, 100 ft. below spur, drains W.; ascend abrupt SE. slope.
- 68.50 The SW. point of spur, 200 ft. above ravine; descend gradually over broken W. slope of rimrock.
- 79.30 On steep NW. slope of rimrock, 30 ft. below point of spur; intersect the Sixth Standard Parallel South, East, 6.45 chs. dist., from the standard $\frac{1}{4}$ sec. cor. of sec. 35, heretofore described.

As the point for the closing cor. of secs. 2 and 3, falls on steep NW. slope of rimrock, where it is impossible to set the cor., therefore, at a point, 1.00 chs. E. from the true point for the closing cor.

Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for witness cor. to the closing cor. of secs. 2 and 3, with brass cap marked.

Subdivision of T₃S₃R₃E.

Chains

T₃OS R₃EE
S35

WC | S3 | S2
T₃1S | R₃EE
C C

1924

From which,

A white pine, 15 ins. diam., bears S. 70° E., 20 lks. dist., marked WC T₃1S R₃EE S2 CC BT.

A white pine, 12 ins. diam., bears S. 72° W., 18 lks. dist., marked WC T₃1S R₃EE S2 CC BT.

Land, broken top of the Boulder Mountain with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, medium dense white pine and aspen.

Exceedingly good grazing.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township.

N. 0°02' W., bet. secs. 33 and 34.

Descend gradually along steep W. slope of the top of Boulder Mountain through dense timber and scattering undergrowth.

40.00 On gentle W. slope, 50 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

↑
S33 | S34
1924

From which,

A white pine, 10 ins. diam., bears S. 81° E., 16 lks. dist., marked $\frac{1}{4}$ S34 BT.

A balsam, 8 ins. diam., bears S. 39° W., 17 lks. dist., marked $\frac{1}{4}$ S33 BT.

Subdivision of T. 31 S., R. 13 E.

Chains

- 70.00 Leave timber, bears NE. and SW.
- 72.00 The NE. end of lake, 25.00 chs. long, NE. and SW., 7.00 chs. wide, NW. and SE.
- 80.00 On rolling SE. slope, 100 ft. below the $\frac{1}{4}$ sec. cor. Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 27, 28, 33 and 34, with brass cap marked.

T31S	R3E
S28	S27
S33	S34

1924

Deposit a trachyte, 10 x 10 x 6 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

Land, steep W. slope of the top of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense white pine and balsam.

Exceedingly good grazing.

-
- East, on random line bet. secs. 27 and 34.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.92 Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 26, 27, 34 and 35.
- Thence,
- S. 89°57' W., on true line bet. secs. 27 and 34.
- Over rolling top of the Boulder Mountain through dense timber and scattering undergrowth.
- 5.50 Ridge, 20 ft. high, bears N. and S.
- 12.80 Bottom of swale, 40 ft. deep, drains S.
- 20.00 Ridge, 30 ft. high, bears N. and S.
- 36.50 Brink of abrupt descent over steep W. slope from rolling top of Boulder Mountain, bears N. and S.

Subdivision of T. 31 S., R. 3 E.

Chains

30.00 On steep W. slope, 150 ft. below top of Boulder Mountain.
Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S27

$\frac{1}{4}$

S34

1924

From which,

A white pine, 10 ins. diam., bears S. 30° E., 13 lks.
dist., marked $\frac{1}{4}$ S34 BT.

A white pine, 8 ins. diam., bears N. 7° W., 34 lks.
dist., marked $\frac{1}{4}$ S27 BT.

Continue abrupt descent over steep W. slope.

76.00 Leave timber, bears N. and S.

79.92 The cor. of secs. 27, 28, 33 and 34, 460 ft. below the $\frac{1}{4}$
sec. cor.

Land, rolling top of Boulder Mountain on E. portion of
mile, steep W. slope of the top of Boulder Mountain on
W. portion. General drainage and exposure, W.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense white pine and balsam on E. portion of mile,
no timber on W. portion.

Good grazing.

N. $0^{\circ}02'$ W., bet. secs. 27 and 28.

Over rolling mountainous land through scattering
undergrowth.

32.80 The SE. shore of elongated lake, bears NE., 3.00 chs.
and SW., 7.00 chs.

To cross lake, I offset as follows.

East, 5.00 chs.

N. $0^{\circ}02'$ W., 8.80 chs.

West, 5.00 chs. to,

Subdivision of T. 31 S., R. 3 E.

Chains

Series 10

41.60 Point on true line on NW. shore of lake, which bears N. 63° NE., 2.00 chs. and SW., 10.50 chs.

As the true point for the $\frac{1}{4}$ sec. cor., falls in the lake, at this point :

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness cor. to the $\frac{1}{4}$ sec. cor. secs. 27 and 28, with brass cap marked.

$\frac{1}{4}$	
S28	S27
W/C	
1924	

Raise a mound of stone, 3 ft. base, $1\frac{1}{2}$ ft. high, W. of cor. Thence ascend gradually over rolling E. slope of ridge.

45.20 Enter dense white pine, aspen, and balsam timber, bears NE. and SW.

70.20 Ridge, 200 ft. above the witness cor. to the $\frac{1}{4}$ sec. cor., bears N. 20° E. and S. 20° W.

80.00 On rolling W. slope of ridge, 40 ft. below top.

Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 21, 22, 27 and 28, with brass cap marked.

T31S	R3E
S21	S22
S28	S27
1924	

From which,

An aspen, 5 ins. diam., bears N. 31° E., 5 lks. dist., marked T31S R3E S22 BT.

An aspen, 6 ins. diam., bears S. 82° E., 9 lks. dist., marked T31S R3E S27 BT.

An aspen, 5 ins. diam., bears S. 68° W., 3 lks. dist., marked T31S R3E S28 BT.

An aspen, 6 ins. diam., bears N. 45° W., 18 lks. dist., marked T31S R3E S21 BT.

Land, low rolling hills with a general easterly exposure and drainage.

Subdivision of T. 31 S., R. 3 E.

Chains

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, white pine and balsam on N. portion of mile.

Exceedingly good grazing.

N. 89° 57' E., on random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.12 Intersect the N. and S. line, 12 lks. S. of the cor. of secs. 22, 23, 26 and 27.

Thence,

S. 89° 52' W., on true line bet. secs. 22 and 27.

Over rolling top of Boulder Mountain through scattering undergrowth and dense timber.

18.60 Draw, 100 ft. deep, drains S.

24.00 Ridge, 40 ft. high, bears N. 30° E. and S. 30° W.; thence descend abrupt W. slope of the top of Boulder Mountain.

30.00 Descent becomes gradual, bears N. and S.

40.06 On rolling SW. slope, 250 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S22
 $\frac{1}{4}$
 S27
 1924

From which,

A white pine, 9 ins. diam., bears S. 47° E., 24 lks. dist., marked $\frac{1}{4}$ S22 BT.

A white pine, 6 ins. diam., bears N. 30° W., 26 lks. dist., marked $\frac{1}{4}$ S27 BT.

52.80 The S. edge of open basin, 15.00 chs. long, N. and S., and 5.50 chs. wide, E. and W., 170 ft. below the $\frac{1}{4}$ sec. cor.; thence ascend gradual E. slope of ridge.

58.00 The rolling top of ridge, 30 ft. above basin, bears N. and S.; descend gradually over rolling W. slope of ridge.

Subdivision of T. 31 S., R. 3 E.

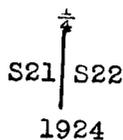
Chains

- 70.00 Bottom of open swale, 130 ft. below ridge, drains N.; ascend gradual E. slope of ridge.
- 78.00 Ridge, 40 ft. above swale, bears N. and S.; descend . gradual W. slope of ridge..
- 80.12 The cor. of secs. 21, 22, 27 and 28, 20 ft. below ridge. Land, rolling and mountainous, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage. Soil, shallow black loam mixed with loose trachyte boulders. 2nd rate.. Undergrowth, scattering sagebrush. Timber, dense aspen, white pine and balsam. Exceedingly good grazing.

N. 0°02' W., bet. secs. 21 and 22.

Descend gradually over rolling land through dense timber and scattering undergrowth.

- 40.00 On rolling W. slope, 250 ft. below sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A white pine, 14 ins. diam., bears S. 78° E., 29 lks. dist., marked $\frac{1}{4}$ S22 BT,

A red pine, 14 ins. diam., bears S. 81° W., 29 lks. dist., marked $\frac{1}{4}$ S21 BT,

- 40.50 Draw, 20 ft. below the $\frac{1}{4}$ sec. cor., drains W.
- 44.00 Spur, 20 ft. high, projects W.
- 46.80 Draw, 20 ft. deep, drains SW.
- 52.20 Low ridge, 30 ft. high, bears NE. and SW.
- 65.80 An aspen, 10 ins. diam., which I mark with 2 notches on N. and S. faces for line tree. From this point, the

Subdivision of T. 31 S., R. 3 E.

Chains

Series

W. side of circular lake, 5000 chs. diam., bears E.,
5.20 chs. dist.

75.50' Bw 10, 80 ft. deep, drains W.

80.00' On rolling SW. slope.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground, for cor. of secs. 15, 16, 21 and 22, with
brass cap marked.

T31S	R3E
S16	S15
S21	S22
1924	

From which,

A white pine, 10 ins. diam., bears N. 15° E., 10 lks.
dist., marked T31S R3E S15 BT.

An aspen, 5 ins. diam., bears S. 49° E., 18 lks.
dist., marked T31S R3E S22 BT.

A white pine, 10 ins. diam., bears S. 48° W., 33 lks.
dist., marked T31S R3E S21 BT.

A white pine, 10 ins. diam., bears N. 9° W., 29 lks.
dist., marked T31S R3E S16 BT.

Land, low rolling hills with a general westerly exposure
and drainage.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine.

Good grazing.

N. 89° 52' E., on random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect the N. and S. line, 14 lks. N. of the cor. of
secs. 14, 15, 22 and 23.

Thence,

S. 89° 58' W., on true line bet. secs. 15 and 22.

Over rolling top of the Boulder Mountain through dense
timber and scattering undergrowth.

Chains

aniso

20.00 Top of gradual descent from top of Boulder Mountain,
bears N. and S.

40.04 On rolling W. slope, 100 ft. below top of mountain,
Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in
the ground to bedrock and in a large mound of stone,
for $\frac{1}{4}$ sec. cor., with brass cap marked.

S15

S22

1924

From which,

A white pine, 12 ins. diam., bears N. 79° E., 44 lks.
dist., marked $\frac{1}{4}$ S15 BT.

A white pine, 10 ins. diam., bears S. 53° E., 43 lks.
dist., marked $\frac{1}{4}$ S22 BT.

45.00 Descent becomes abrupt, bears N. and S.

74.00 Descent becomes gradual, bears N. and S.

80.08 The cor. of secs. 15, 16, 21 and 22, 470 ft. below the
 $\frac{1}{4}$ sec. cor.

Land, low rolling hills with a general westerly exposure
and drainage.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

N. 0°02' W., bet. secs. 15 and 16.

Ascend gradually over rolling mountainous land through
dense timber and scattering undergrowth.

5.56 A red pine, 12 ins. diam., which I mark with 2 notches
on N. and S. faces for line tree.

6.90 Ridge, 30 ft. above cor., bears NW. and SE.; descend
gradually over rolling NE. slope.

12.37 A white pine, 10 ins. diam., which I mark with 2 notches
on N. and S. faces for line tree.

Chains

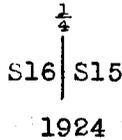
23.40 Descent becomes abrupt, bears N. 70° E. and S. 70° W.

25.10 Descent becomes gradual, bears NE. and SW.

35.60 Draw, 170 ft. below ridge, drains W.; ascend gradual S. slope of spur.

40.00 On top of spur, 30 ft. above draw, projects W.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A red pine, 8 ins. diam., bears N. 40° E., 39 lks. dist.; marked $\frac{1}{4}$ S15 BT.

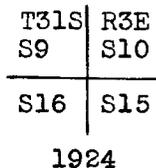
An aspen, 6 ins. diam., bears N. 41° W., 35 lks. dist.; marked $\frac{1}{4}$ S16 BT.

43.00 Draw, 20 ft. below the $\frac{1}{4}$ sec. cor., drains W.; ascend gradual S. slope of spur.

47.80 Spur, 20 ft. above draw, projects W.; descend gradual N. slope of spur.

54.00 Head of open draw, 30 ft. below spur, drains W.; ascend gradually over W. slope broken in places by outcroppings of trachyte ledges.

80.00 On broken W. slope, 100 ft. above head of open draw. Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 9, 10, 15 and 16, with brass cap marked.



From which,

A white pine, 8 ins. diam., bears N. 78° E., 22 lks. dist.; marked T31S R3E S10 BT.

A white pine, 8 ins. diam., bears S. 22° E., 17 lks. dist.; marked T31S R3E S15 BT.

Subdivision of T. 31 S. R. 3 E.

Chains

321510

A white pine, 8 ins. diam., bears S. 48° W., 27 lks. dist., marked T31S R3E S16 BT.

A white pine, 8 ins. diam., bears N. 13° W., 10 lks. dist., marked T31S R3E S9 BT.

Land, low rolling hills, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and yellow pine.

Good grazing.

N. 89°58' E., on random line bet. secs. 10 and 15.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 Intersect the N. and S. line, 5 lks. N. of the cor. of secs. 10, 11, 14 and 15.

Thence,

West, on true line bet. secs. 10 and 15.

Over rolling top of the Boulder Mountain through dense timber and scattering undergrowth.

14.50 The S. edge of circular lake, 5.60 chs. diam., in bottom of swale, 40 ft. deep, drains N.

26.00 Rolling top of ridge, 50 ft. high, bears N. and S.

39.95 On rolling W. slope of the top of Boulder Mountain.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S10
 $\frac{1}{4}$
S15

1924

From which,

A white pine, 20 ins. diam., bears N. 34° E., 11 lks. dist., marked $\frac{1}{4}$ S10 BT.

A white pine, 8 ins. diam., bears S. 12° W., 46 lks. dist., marked $\frac{1}{4}$ S15 BT.

Subdivision of T. 31 S., R. 3 E.

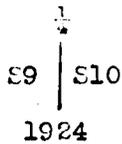
Chains

- 67.00 Top of abrupt descent over W. slope from the rolling top of Boulder Mountain, 250 ft. below sec. cor., bears N. and S.
 - 75.00 Base of abrupt descent, 220 ft. below top, bears N. and S.; thence descend gradually over rolling W. slope.
 - 79.90 The cor. of secs. 9, 10, 15 and 16, 60 ft. below base of abrupt descent.
- Land, rolling and mountainous, broken in places by outcroppings of trachyte ledges with a general westerly exposure and drainage.
- Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.
- Undergrowth, scattering sagebrush.
- Timber, dense aspen, balsam, red and white pine.
- Good grazing.

N. 0°02' W., bet. secs. 9 and 10.

Ascend gradually over broken W. slope of the top of Boulder Mountain through dense timber and scattering undergrowth.

- 40.00 On top of spur, 100 ft. above sec. cor., projects W. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

An aspen, 6 ins. diam., bears S. 22° E., 7 lks. dist., marked $\frac{1}{4}$ S10 BT.

An aspen, 5 ins. diam., bears S. 35° W., 4 lks. dist., marked $\frac{1}{4}$ S9 BT.

- 54.50 Draw, 50 ft. below the $\frac{1}{4}$ sec. cor., drains W.; ascend gradually over rolling SW. slope of spur.
- 60.60 Spur, 50 ft. above draw, projects NW.; descend gradually over NE. slope of spur.

Subdivision of T. 31 S., R. 3 E.

Chains

64.80 Draw, 30 ft. below spur, drains W.; ascend gradually over gentle N. slope of spur.

80.00 On top of spur, 100 ft. above draw, projects S. 75° W. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap marked.

T31S	R3E
S4	S3
S9	S10

1924

From which,

An aspen, 3 ins. diam., bears N. 23° E., 19 lks. dist., marked BT.

An aspen, 3 ins. diam., bears S. 36° E., 10 lks. dist., marked BT.

An aspen, 3 ins. diam., bears S. 19° W., 25 lks. dist., marked BT.

An aspen, 3 ins. diam., bears N. 57° W., 17 lks. dist., marked BT.

No larger suitable bearing trees available.

Land, broken W. slope of the top of Boulder Mountain with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

East, on random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the cor. of secs. 2, 3, 10 and 11.

Thence,

West, on true line bet. secs. 3 and 10.

Descend gradually over rolling top of the Boulder Mountain through dense timber and scattering undergrowth.

Chains

- 21.30 Top of abrupt descent over steep W. slope from rolling top of Boulder Mountain, bears N. and S.
- 25.00 The S. edge of circular lake, 1.50 chs. diam., bears N., 1.30 chs. dist.
- 40.05 On rolling SW. slope, 280 ft. below sec. cor.
Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{2}$ sec. cor., with brass cap marked.

83

 810
 1924

From which,

A white pine, 12 ins. diam., bears N. 33° E., 46 lbs. dist., marked $\frac{1}{2}$ 83 BT.

A white pine, 6 ins. diam., bears S. 12° W., 21 lbs. dist., marked $\frac{1}{2}$ 810 BT.

- 80.10 The cor. of secs. 3, 4, 9 and 10, 540 ft. below the $\frac{1}{2}$ sec. cor.

Land, low rolling hills, broken in places by outcroppings of trachyte ledges with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; bad rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and yellow pine.

Exceedingly good grazing.

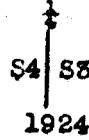
N. 0°02' W., bet. secs. 3 and 4.

Descend gradually over broken W. slope of the top of Boulder Mountain through dense timber and scattering undergrowth.

- 27.42 A white pine, 12 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.
- 36.30 Descent becomes abrupt, bears N. 70° E. and S. 70° W.
- 40.00 On steep NW. slope, 330 ft. below sec. cor.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

An aspen, 5 ins. diam., bears N. 74° E., 10 lks. dist., marked S3 BT.

An aspen, 5 ins. diam., bears S. 42° W., 14 lks. dist., marked S4 BT.

Continue abrupt descent over steep NW. slope.

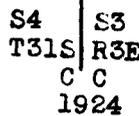
57.50 Head of draw, 450 ft. below the $\frac{1}{4}$ sec. cor., drains N. 70° E.; ascend gradually over SE. slope of spur.

61.20 Spur, 50 ft. above head of draw, projects NE.; descend abrupt NW. slope of spur.

79.60 On N. side of Birch Creek Canyon, 340 ft. below spur. Intersect the Sixth Standard Parallel South, S. 89°38' E. 5.91 chs. dist. from the standard $\frac{1}{4}$ sec. cor. sec. 34. At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 3 and 4, with brass cap marked.

T30S R3E
S34



From which,

A red pine, 16 ins. diam., bears S. 22° E., 35 lks. dist., marked T31S R3E S3 CC BT.

A red pine, 12 ins. diam., bears S. 19° W., 12 lks. dist., marked T31S R3E S4 CC BT.

Land, broken W. slope of the Boulder Mountain with a general northwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Chains

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township.

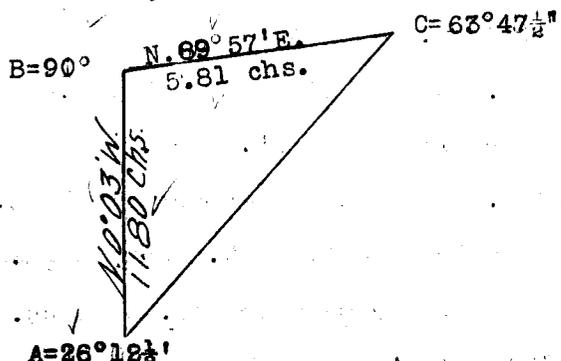
N. $0^{\circ}03'$ W., bet. secs. 32 and 33.

Over rolling W. slope of the Boulder Mountain through dense timber and scattering undergrowth.

- 5.00 The W. edge of circular lake; 1.00 chs. diam.
- 22.60 Low ridge, 60 ft. high, bears NW. and SE.
- 24.05 The SW. shore of lake, around which I run a traverse as follows, commencing at the 24.05 chs. point.
 - N. $48^{\circ}45'$ W., 7.70 chs.
 - North, 8.50 chs.
 - N. 75° E., 5.20 chs.
 - S. $13^{\circ}30'$ E., 3.20 chs.
 - S. 21° E., 5.80 chs.
 - S. 28° E., 17.40 chs.
 - S. 62° W., 3.20 chs.
 - N. 42° W., 7.00 chs.
 - N. $27^{\circ}30'$ W., 5.90 chs. to point of begining.

To cross lake, I determine the distance by triangulation as follows. Erect flag "A" at the 24.05 chs. point; and flag "B" on line at NE. shore of lake. From flag "B", measure base line "BC", N. $89^{\circ}57'$ E., 5.81 chs. dist., from which point, flags "AB" subtend an angle of $63^{\circ}47\frac{1}{2}'$.

All bearings checked by direct reading of the solar and all angles checked by deflection.



Chairs

Distance on line = 24.05 chs.
 Distance by triangulation = 11.80 chs.
 35.85 chs.

35.85 To point of triangulation at NE. shore of lake.

Note; the lake is approximately 20 ft. deep and the shores are covered with a dense growth of large pine timber. At the SW. point of lake is a marsh containing an area of approximately 2 acres which is covered with a dense growth of grass.

Thence over rolling W. slope.

40.00 On rolling W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S32 | S33

1924

From which,

An aspen, 6 ins. diam., bears N. 89° E., 147 lks. dist., marked $\frac{1}{4}$ S33 BT.

A red pine, 8 ins. diam., bears S. 16° W., 39 lks. dist., marked $\frac{1}{4}$ S32 BT.

Continue over rolling land.

60.40 Center of circular lake, 1.50 chs. diam. Lake is approximately 4 ft. deep, and the shores are covered with a dense growth of grass.

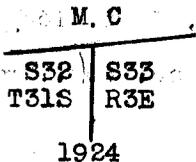
66.80 The W. edge of circular lake, 5.00 chs. diam., bears E., 1.00 chs. Lake is approximately 5 ft. deep, and the shores are covered with a dense growth of grass and willows.

71.90 The W. edge of circular lake, 1.00 chs. diam. Lake is approximately 4 ft. deep.

74.20 The S. margin of a meanderable lake.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 32 and 33, with brass cap marked.

Chains



Deposit a trachyte, 16 x 12 x 10 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

80.00 Point for the cor. of secs. 28, 29, 32 and 33, falls in lake.

Land, rolling W. slope of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and willows.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

East, on random line bet. secs. 28 and 33.

As the true point for the cor. of secs. 28, 29, 32 and 33, falls in lake, I commence at the meander cor. of secs. 32 and 33, and run on offset line as follows.

East, 5.58 chs.

N. 0°03' W., 5.80 chs. to:

5.58 Point on random line; thence, East, on random line.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.90 The cor. of secs. 27, 28, 33 and 34.

Thence,

West, on true line bet. secs. 28 and 33.

Ascend gradually over rolling W. slope of Boulder Mountain through dense timber and scattering undergrowth.

12.70 Ridge, 80 ft. above cor., bears N. and S.; descend gradual W. slope of ridge.

39.95 On rolling W. slope, 260 ft. below ridge.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

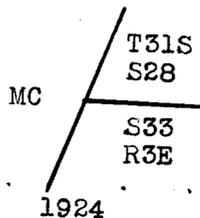
S28
 $\frac{1}{4}$ —
 S33
 1924

From which,

An aspen, 6 ins. diam., bears N. 40° E., 12 lks. dist., marked $\frac{1}{4}$ S28 BT.

An aspen, 8 ins. diam., bears S. 63° E., 18 lks. dist., marked $\frac{1}{4}$ S33 BT.

- 50.00 Leave timber, bears N. and S.
- 50.10 The SE. margin of marsh, bears N. 30° E., 5.00 chs. and S. 30° W., 30.00 chs.; thence across marsh through dense growth of grass.
- 64.80 The NW. margin of marsh, bears NE., 3.00 chs. and SW., 15.00 chs.; thence over rolling land.
- 66.30 Low ridge, 20 ft. high, bears NE. and SW.
- 74.32 To point of offset, at SE. margin of meanderable lake. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 28 and 29, with brass cap marked.



From which

A lone aspen, 10 ins. diam., bears N. 78° E., 188 lks. dist., marked T31S R3E S28 MC BT.

A lone aspen, 10 ins. diam., bears S. 67° E., 117 lks. dist., marked T31S R3E S33 MC BT.

Thence, by offset as follows.

S. 0°03' E., 5.80 chs.

West, 5.58 chs. to:

- 79.90 The meander cor. of secs. 32 and 33. Land, rolling W. slope of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a

Chains

general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush on all of mile and scattering willows along margins of lake and marsh.

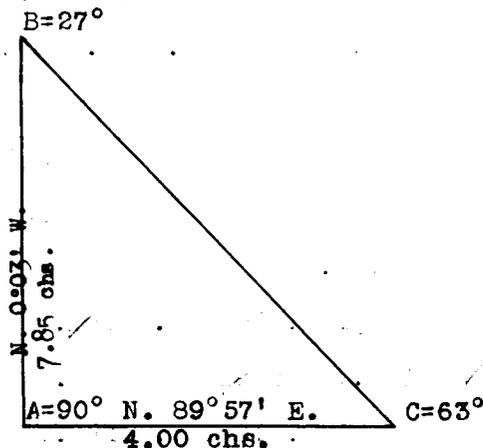
Timber, dense aspen, balsam, red and white pine on E. portion of mile.

Exceedingly good grazing.

N. $0^{\circ}03'$ W., bet. secs. 28 and 29.

Over rolling W. slope of Boulder Mountain through dense timber and scattering undergrowth.

As the point for the cor. of secs. 28, 29, 32 and 33, falls in lake, I commence at the meander cor. of secs. 32 and 33, which is 5.80 chs. to the S. of the true point for the cor., and determine the distance across the lake as follows. Erect flag "A" at the meander cor. of secs. 32 and 33, and flag "B" at the N. margin of lake. From flag "A", measure base line, "AC", N. $89^{\circ}57'$ E., 4.00 chs. dist., from which point, flags "AB" subtend an angle of $63^{\circ}00'$. All bearings checked by direct reading of the solar and all angles checked by deflection.



Distance by triangulation = 7.85 chs.

- 2.05 Distance counted from the true point for cor. of secs. 28, 29, 32 and 33; to point of triangulation on N. margin of lake.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 28 and 29, with brass cap marked.

T31S	R3E
S29	S28

M C

1924

From which,

An aspen, 5 ins. diam., bears N. 34° E., 13 lks. dist., marked T31S R3E S28 MC BT.

A red pine, 10 ins. diam., bears N. 85° W., 28 lks. dist., marked T31S R3E S29 MC BT.

Thence over rolling land through dense timber and scattering undergrowth.

- 3.00 Ridge, 20 ft. high, bears N. 20° E. and S. 20° W.
 - 8.20 The SE. edge of circular lake, bears NE., 34.00, chs. and SW., 3.00 chs.
 - 16.30 The N. edge of same lake, bears SE., 7.00 chs. and SW., 4.00 chs.
 - 21.50 The NE. end of lake, 2.50 chs. wide, bears NE. and SW., 10.00 chs. dist.
 - 28.60 Spur, 30 ft. high, projects SW.
 - 40.00 On gentle NW. slope, 50 ft. below spur.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	$\frac{1}{4}$	
S29	|	S28
1924		

From which,

A red pine, 10 ins. diam., bears N. 69° E., 7 lks. dist., marked $\frac{1}{4}$ S28 BT.

A red pine, 10 ins. diam., bears S. 79° W., 27 lks. dist., marked $\frac{1}{4}$ S29 BT.

- 65.00 Bottom of swale, 50 ft. below the $\frac{1}{4}$ sec. cor., drains W.
- 80.00 On gentle SW. slope, 50 ft. above swale.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the

Subdivision of T. 31 S., R. 3 E.

Chains

ground, for cor. of secs. 20, 21, 28 and 29, with brass cap marked.

T31S	R3E
S20	S21

S29	S28
-----	-----

1924

From which,

A red pine, 12 ins. diam., bears N. 50° E., 9 lks. dist., marked T31S R3E S21 BT.

A balsam, 12 ins. diam., bears S. 15° E., 4 lks. dist., marked T31S R3E S28 BT.

A balsam, 8 ins. diam., bears S. 83° 30' W., 12 lks. dist., marked T31S R3E S29 BT.

A balsam, 6 ins. diam., bears N. 17° W., 25 lks. dist., marked T31S R3E S20 BT.

Land, rolling W. slope of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush on all of mile; and scattering willows along margins of lakes.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

East, on random line bet. secs. 21 and 28.

40.00 Set temp. sec. cor.

79.86 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 21, 22, 27 and 28.

Thence,

N. 89° 57' W., on true line bet. secs. 21 and 28.

Descend gradually over rolling W. slope of Boulder Mountain through dense timber and scattering undergrowth.

10.60 Descent becomes abrupt, bears N. and S.

Subdivision of T. 31 S., R. 3 E.

Chains

2011A(10)

16.80 Descent becomes gradual, bears NW. and SE.

37.00 Center of circular lake, 1.00 chs. diam.

39.93 On rolling W. slope, 280 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S21
 $\frac{1}{4}$

 S28
 1924

From which,

An aspen, 10 ins. diam., bears N. 20° E., 24 lks. dist., marked $\frac{1}{4}$ S21 BT.

An aspen, 5 ins. diam., bears S. 15° E., 16 lks. dist., marked $\frac{1}{4}$ S28 BT.

52.10 The N. edge of circular lake, 4.00 chs. diam.

57.40 The center of circular lake, 4.00 chs. diam.

60.00 Low ridge, 20 ft. high, bears N. and S.; thence descend abrupt W. slope of ridge.

67.80 Descent becomes gradual, bears N. and S.

79.86 The cor. of secs. 20, 21, 28 and 29, 150 ft. below the $\frac{1}{4}$ sec. cor.

Land, rolling W. slope of Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush and willows.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

N. 0°03' W., bet. secs. 20 and 21.

Ascend gradually over rolling W. slope of the Boulder Mountain through dense timber and scattering undergrowth.

13.50 Ridge, 40 ft. above cor., bears E. and W.; descend gradual N. slope of ridge.

Subdivision of T. 31 S., R. 3 E.

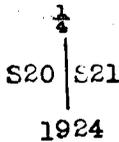
Chains

30.02 A red pine, 10 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.

32.90 Descent becomes abrupt, bears NE. and SW.

40.00 On broken NW. slope, 200 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

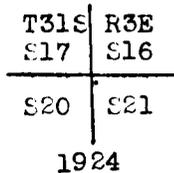
A white pine, 10 ins. diam., bears N. 12° E., 33 lks. dist., marked $\frac{1}{4}$ S21 BT.

A yellow pine, 36 ins. diam., bears N. 10° W., 17 lks. dist., marked $\frac{1}{4}$ S20 BT.

Continue abrupt descent over broken NW. slope.

80.00 On broken NW. slope, 430 ft. below the $\frac{1}{4}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, with brass cap marked.



From which,

A red pine, 15 ins. diam., bears N. 24° E., 44 lks. dist., marked T31S R3E S16 BT.

A red pine, 8 ins. diam., bears S. 38° E., 34 lks. dist., marked T31S R3E S21 BT.

A red pine, 7 ins. diam., bears S. 7° W., 18 lks. dist., marked T31S R3E S20 BT.

A red pine, 8 ins. diam., bears N. 29° W., 31 lks. dist., marked T31S R3E S17 BT.

Land, rolling on S. portion of mile and broken on N.

portion, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte

boulders: 2nd rate.

Subdivision of T. 31 S., R. 3 E.

Chains

Undergrowth, scattering sagebrush.
Timber, dense aspen, balsam, red, yellow and white pine.
Good grazing.

S. 89°57' E., on random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect the N. and S. line, 10 lks. S. of the cor. of
secs. 15, 16, 21 and 22.

Thence,

S. 89°59' W., on true line bet. secs. 16 and 21.

Descend gradually over rolling land through dense timber
and scattering undergrowth.

39.94 On rolling SW. slope, 290 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S16
 $\frac{1}{4}$
S21

1924

From which,

An aspen, 6 ins. diam., bears N. 3° E., 14 lks.
dist., marked $\frac{1}{4}$ S16 BT.

A balsam, 6 ins. diam., bears S. 17° E., 24 lks.
dist., marked $\frac{1}{4}$ S21 BT.

44.20 Descent becomes abrupt, bears N. and S.

57.10 Draw, 240 ft. below the $\frac{1}{4}$ sec. cor., drains N. 70° W.;
ascend gradually.

64.00 Spur, 20 ft. above draw, projects NW.; descend gradually
over W. slope.

79.88 The cor. of secs. 16, 17, 20 and 21, 250 ft. below spur.

Land, rolling W. slope of the Boulder Mountain, broken
in places by outcroppings of trachyte ledges with a
general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Chains

Timber, dense aspen, balsam, red, yellow and white pine.
Exceedingly good grazing.

N. 0° 03' W., bet. secs. 16 and 17.

Descend abruptly over broken W. slope of the Boulder Mountain through dense timber and scattering undergrowth.

1.00 Draw, 20 ft. below cor., drains W.; ascend abrupt S. slope of spur.

9.50 Spur, 100 ft. above draw, projects W.; descend gradual N. slope of spur.

12.60 Draw, 20 ft. below spur, drains W.; ascend gradual S. slope.

15.50 Spur, 30 ft. above draw, projects W.; descend gradual N. slope of spur.

17.90 Draw, 40 ft. below spur, drains W.; ascend abrupt N. slope of spur.

31.60 Spur, 90 ft. above draw, projects W.; descend gradual N. slope of spur.

40.00 On gradual NW. slope, 30 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S17 | S16
1924

From which,

An aspen, 5 ins. diam., bears N. 68° E., 27 lks.

dist., marked $\frac{1}{4}$ S16 BT.

An aspen, 5 ins. diam., bears N. 34° 30' W., 24 lks.

dist., marked $\frac{1}{4}$ S17 BT.

45.00 Draw, 20 ft. below the $\frac{1}{4}$ sec. cor., drains W.; ascend gradual S. slope of spur.

56.60 Spur, 40 ft. above draw, projects W.; descend gradual N. slope of spur.

63.50 Descent becomes abrupt, bears NE. and SW.

Subdivision of T. 31 S., R. 3 E.

Chains

.78.50 Gulch, 290 ft. below spur, drains W.; ascend abrupt SW. slope.

80.00 On abrupt SW. slope, 30 ft. above gulch.
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap marked.

T31S	R3E
S8	S9
S17	S16
1924	

From which,

A balsam, 6 ins. diam., bears N. 75° E., 31 lks. dist., marked T31S R3E S9 BT.

A red pine, 20 ins. diam., bears S. 58° E., 34 lks. dist., marked T31S R3E S16 BT.

A balsam, 8 ins. diam., bears S. 7° W., 48 lks. dist., marked T31S R3E S17 BT.

A white pine, 10 ins. diam., bears N. 62° W., 34 lks. dist., marked T31S R3E S8 BT.

Land, broken W. slope of the Boulder Mountain, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulder 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen and scattering red and white pine and balsam.

Good grazing.

N. 89°59' E., on random line bet. secs. 9 and 16.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.96 Intersect the cor. of secs. 9, 10, 15 and 16.

Thence,

S. 89°59' W., on true line bet. secs. 9 and 16.

Descend gradually over rolling W. slope of the Boulder

Mountain through dense timber and scattering undergrowth.

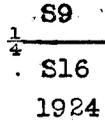
.Subdivision of T. 31 S., R. 3 E.

Chains

20.20 Trail, bears N. and S..

59.98 On rolling W. slope, 280 ft. below sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A white pine, 3 ins. diam., bears N. 73° E., 70 lks. dist., marked $\frac{1}{4}$ S9.BT.

A white pine, 30 ins. diam., bears S. 76° E., 73 lks. dist., marked $\frac{1}{4}$ S16 BT.

47.00 Descent becomes abrupt, bears N. and S.

79.96 The cor. of sec. 8, 9, 16 and 17, 580 ft. below the $\frac{1}{4}$ sec. cor.

Land, rolling W. slope of the Boulder Mountain, broken in places by outcroppings of trachyte ledges, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine.

Exceedingly good grazing.

N. 0°03' W., bet. sec. 8 and 9.

Ascend abruptly over broken W. slope of Boulder Mountain through dense timber and scattering undergrowth.

6.50 Spur, 60 ft. above cor., projects W.; descend abruptly.

40.00 On steep W. slope, 530 ft. below the $\frac{1}{4}$ spur.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

Subdivision of T. 31S., R. 3E., S. 4, 5, 8, 9.

Chains

- A red pine, 5 ins. diam., bears S. 55° E., 1.5 lks. dist., marked $\frac{1}{4}$ S9 BT.
 - An aspen, 5 ins. diam., bears S. 29° W., 8 lks. dist., marked $\frac{1}{4}$ S8 BT.
 - 49.40 Spring of good water, bears 1.50 chs. W.
 - 49.70 Bottom of draw, 20 ft. below the $\frac{1}{4}$ sec. cor., drains W.; thence over rolling land, bears NE. and SW.
 - 57.12 One wire telephone line, bears NE. to Teasdale, Utah, and SW., to Escalante, Utah.
 - 62.00 Leave timber, bears N. 30° E. and S. 30° W.
 - 64.20 The SE. cor. of fence around the ranch of Chas. Snow, bears W., 4.10 chs. dist.
 - 80.00 On rolling W. slope.
- Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap marked.

T31S	R3E
S5	S4
S8	S9
1924	

From which,

- The NE. cor. of pole fence around the ranch of Chas. Snow, bears N. 25° W., 553 lks. dist.
- The NE. cor. of log cabin belonging to Chas. Snow, bears S. 58° 45' W., 497 lks. dist.
- No other suitable accessories available for cor. and soil too loose for pits.
- Land, broken W. slope of Boulder Mountain, with a general westerly exposure and drainage on S. portion of mile, rolling W. slope on N. portion of mile.
- Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.
- Undergrowth, scattering sagebrush.
- Timber, dense aspen and scattering blsam, red and white pine on S. portion of mile.
- Exceedingly good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

N. 89°59' E., on random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.08 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 3, 4, 9 and 10.

Thence,

N. 89°58' W., on true line bet. secs. 4 and 9.

Descend gradually over broken W. slope of the Boulder Mountain through dense timber and scattering undergrowth.

34.00 Descent becomes abrupt, bears N. and S.

40.04 On abrupt SW. slope, 660 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground, to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S4
 $\frac{1}{4}$ ———
 S9
 1924

From which,

A balsam, 20 ins. diam., bears S. 86° W., 85 lks. dist., marked $\frac{1}{4}$ S9 BT.

A balsam, 14 ins. diam., bears N. 24° W., 30 lks. dist., marked $\frac{1}{4}$ S4 BT.

67.00 Base of abrupt descent, bears N. and S.; thence descend gradually over rolling bottom of Dark Valley.

70.00 Leave timber, bears N. and S. Telephone line, bears N. and S.

80.08 The con. of secs. 4, 5, 8 and 9, 980 ft. below the $\frac{1}{4}$ sec. cor.

Land, broken W. slope of the Boulder Mountain, with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen and scattering balsam, red and white pine.

Good grazing.

Subdivision of T. 31 S., R. 3 E.

- Chains
- N. 0°03' W., bet. secs. 4 and 5.
- Over rolling bottom of Dark Valley, through scattering undergrowth.
- 3.00 Irrigation ditch, 5 lks. wide, 1 ft. deep, drains SW.
- 11.00 Leave rolling bottom of Dark Valley and ascend gradually over rolling hills, bears NE. and SW.
- 15.20 Spur, 20 ft. high, projects SE.; descend gradually.
- 17.20 Swale, 40 ft. below spur, drains SE.; ascend gradual SW. slope.
- 22.40 Spur, 30 ft. above swale, projects SE.; descend gradual N. slope
- 24.80 Swale, drains SE., 30 ft. below spur; ascend gradual SW. slope.
- 26.00 Enter scattering timber, bears E. and W.
- 30.00 Low ridge, 40 ft. above swale, bears E. and W.
- 37.00 Swale, 30 ft. below ridge, drains NE.; ascend gradual SW. slope.
- 40.00 On rolling SW. slope, 30 ft. above swale.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
- $$\begin{array}{c} \frac{1}{4} \\ | \\ S5 \quad | \quad S4 \\ | \\ 1924 \end{array}$$
- From which,
- An aspen, 10 ins. diam., bears S. 33° E., 484 lks. dist., marked $\frac{1}{4}$ S4 BT.
- An aspen, 5 ins. diam., bears S. 42° W., 557 lks. dist., marked $\frac{1}{4}$ S5 BT.
- 46.00 Low ridge, 30 ft. high, bears NW. and SE.
- 56.50 Bottom of swale, 40 ft. deep, drains SE.
- 79.80 On rolling SW. slope, 140 ft. above swale; intersect the Sixth Standard Parallel South, S. 89°58' E., 5.21 chs. dist. from the standard $\frac{1}{4}$ sec. cor. of sec. 33, which is heretofore described.
- At point of intersection.

Subdivision of T. 51 S., R. 8 E.

Casins

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock, and in a large mound of stone, for closing cor. of secs., 4 and 5, with a brass cap marked.

T30S R3E
S33

S5	S4
T31S	R3E
C	C
1924	

From which,

A yellow pine, 24 ins. diam., bears S. $14^{\circ}45'$ E.,

330 lks. dist., marked T31S R3E S4 CC BT.

A yellow pine, 18 ins. diam., bears S. $39^{\circ}30'$ W.,

381 lks. dist., marked T31S R3E S5 CC BT.

Land, rolling with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate,

Undergrowth, scattering sagebrush.

Timber, scattering aspen and yellow pine on N. portion of mile.

Good grazing.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 31 and 32.

Descend gradually over rolling Mountainous land through dense timber and scattering undergrowth.

16.00 A white pine, 16 ins. diam., which I mark with 2 notches on N. and S. faces for line tree.

20.00 Leave timber, bears E. and W.

20.20 Wash, 15 lks. wide, 12 ft. deep, drains S. 70° E.

22.00 Dim wagon road, bears E. to Teasdale, Utah and W. to Escalante, Utah.

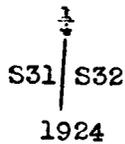
23.30 Enter dense timber, bears N. 70° W. and S. 70° E.

37.80 Rolling top of ridge, 40 ft. high, bears N. 70° E. and S. 70° W.

Chains

40.00 On rolling N. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor.; with brass cap marked.



From which,

An aspen, 12 ins. diam., bears S. 29° E., 17 lks. dist., marked $\frac{1}{4}$ S32 BT.

An aspen, 10 ins. diam., bears N. 56° W., 14 lks. dist., marked $\frac{1}{4}$ S31 BT.

42.20 One wire telephone line, bears NE. to Teasdale, Utah, and SW. to Escalante, Utah; leave timber, bears E. and

43.50 Bottom of swale, 20 ft. deep, drains E.

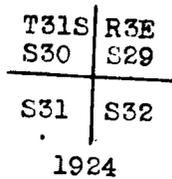
48.30 Enter dense timber, bears E. and W.

56.80 Rolling top of ridge, 30 ft. high, bears N. 70° E. and S. 70° W.

63.80 Top of abrupt descent, bears NE. and SW.

80.00 On rolling N. slope, at base of abrupt descent, 220 ft. below top, bears E. and W.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 29, 30, 31 and 32, with brass cap marked.



From which,

A red pine, 10 ins. diam., bears N. 55°30' E., 50 lks. dist., marked T31S R3E S29 BT.

A red pine, 3 ins. diam., bears S. 60° E., 27 lks. dist., marked BT.

A red pine, 12 ins. diam., bears S. 4° W., 36 lks. dist., marked T31S R3E S31 BT.

A red pine, 8 ins. diam., bears N. 13°30' W., 34 lks. dist., marked T31S R3E S30 BT.

Subdivision of T. 31 S., R. 3 E.

Chains

Land, low rolling hills with a general northerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber; dense balsam, aspen, red and white pine on portions of mile:

Exceedingly good grazing.

East, on random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

78.82 To W. margin of meanderable lake. As the true point for cor. of secs. 28, 29, 32 and 33, is in lake, I run on offset line to the meander cor. of secs. 32 and 33; on S. margin of lake as follows.

S. $0^{\circ}03'$ E., 5.80 chs.

East, 1.18 chs. to

80.00 The meander cor. of secs. 32 and 33, on S. margin of lake, which is S. $0^{\circ}03'$ E., 5.80 chs. dist. from the true point for the cor. of secs. 28, 29, 32 and 33.

The course of this mile therefore is West, and the distance is 80.00 chs.

Thence, "

West, on true line bet. secs. 29 and 32.

Over rolling mountainous land through dense timber and scattering undergrowth.

Commence at the meander cor. of secs. 32 and 33, and run on offset as follows.

West, 1.18 chs.

N. $0^{\circ}03'$ W., 5.80 chs. to

1.18 Point on true line at W. margin of lake.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for meander cor. of secs. 29 and 32, with brass cap marked.

Chains

T31S
S29
S32
R3E

MC

1924

From which,

An aspen, 10 ins. diam., bears S. 78° W., 45 lks. dist.
marked T31S R3E S32 MC BT.

An aspen, 5 ins. diam., bears N. 67° W., 54 lks. dist.,
marked T31S R3E S29 MC BT.

Thence, W., on true line, counting distances from true
point for cor. of secs. 28, 29, 32 and 33.

2.50 Ridge, 30 ft. high, bears N. and S.; descend gradually
over rolling W. slope.

4.60 Marsh, 30 lks. wide, bears N. 4.20 chs. and S., 5.60 chs.

14.00 Low ridge, 30 ft. high, bears N. and S.; descend abruptly
over W. slope.

21.30 Draw, 70 ft. below ridge, drains N.; thence over rolling
land.

25.70 Spur, 20 ft. high, projects N.

27.20 Leave timber, bears N. and S.

28.50 Wagon road, bears N., to Teasdale, Utah, and S., to
Boulder, Utah; road is in bottom of swale, 30 ft. deep,
drains N.

38.00 Enter dense timber, bears N. and S.

40.00 On rolling E. slope.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S29

S32

1924

From which,

An aspen, 6 ins. diam., bears N. 2° E., 31 lks.
dist., marked $\frac{1}{4}$ S29 BT.

An aspen, 6 ins. diam., bears S. 1° W., 29 lks.
dist., marked $\frac{1}{4}$ S32 BT.

Subdivision of T. 31 S., R. 3 E.

Chains

56.00 Rolling top of ridge, 40 ft. high, bears N. 30° E. and S. 30° W.

62.00 One wire telephone line, bears N. to Teasdale, Utah and S. to Escalante, Utah.

80.00 The cor. of secs. 29, 30, 31 and 32.
Land, rolling and mountainous, broken in places by outcroppings of trachyte ledges with a general westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and white pine on portions of mile.

Exceedingly good grazing.

West, on random line bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.72 Intersect the W. bdy. of the township, 28 lks. N. of the cor. of secs. 25, 30, 31 and 36.

Thence,

N. 89°48' E., on true line bet. secs. 30 and 31.

Ascend gradually over rolling NW. slope of the Boulder Mountain through dense timber and scattering undergrowth.

30.20 Rolling top of spur, 120 ft. above cor., projects NE.; descend gradually.

37.72 On rolling NW. slope, 90 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S30
 $\frac{1}{4}$ —————
S31

1924

From which,

An aspen, 6 ins. diam., bears N. 69° E., 39 lks.

dist., marked $\frac{1}{4}$ S30-BT.

Subdivision of T. 31 S., R. 3 E.

Chains

- An aspen, 8 ins. diam., bears S. 77° W., 114 lks. dist., marked $\frac{1}{2}$ S31 BT.
- 62.70 Leave timber, bears NE. and SW.
- 68.10 The S. edge of circular lake, 4.00 chs. diam.
- 75.20 Enter dense timber, bears N. and S.
- 77.72 The cor. of secs. 29, 30, 31 and 32, 80 ft. above the $\frac{1}{2}$ sec. cor.

Land, rolling and mountainous, broken in places by outcroppings of trachyte ledges with a general north-westerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

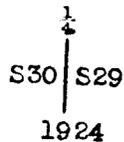
Timber, dense aspen, balsam, red and white pine on portions of mile.

Exceedingly good grazing.

N. 0°03' W., bet. secs. 29 and 30.

Descend gradually over rolling N. slope of the Boulder Mountain through scattering undergrowth and dense timber.

- 5.00 Leave timber, bears NE. and SW.
- 9.00 Bottom of swale, 20 ft. deep, drains NW.
- 15.50 Enter dense timber, bears E. and W.
- 32.50 Top of elongated knoll, 30 ft. high, bears NE. and SW.
- 40.00 On rolling NE. slope, 100 ft. below sec. cor.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.



From which,

An aspen, 6 ins. diam., bears N. 9° E., 13 lks. dist., marked $\frac{1}{2}$ S29 BT.

An aspen, 6 ins. diam., bears S. 80° W., 14 lks. dist., marked $\frac{1}{2}$ S30 BT.

Subdivision of T. S. S. E. R. S. E.

Stations

50.00 Top of abrupt descent over N. slope, bears E. and W.
 50.55 Base of trachyte ledge, 30 ft. high, bears E., 50 lks.
 to and W., 100 lks.

75.00 Descent becomes more gradual, bears E. and W.

80.00 On rolling N. slope, in dense timber, 670 ft. below the
 sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the
 ground to bedrock and in a large mound of stone, for
 cor. of secs. 12, 20, 22 and 30, with brass cap marked.

T31:	R3E
S19	T10
S30	S19

1914

From which,

A red pine, 8 ins. diam., bears N. 30° E., 0 lks.
 dist., marked T31: R3E S19 PT.

A balsam, 12 ins. diam., bears N. 15° E., 17 lks.
 dist., marked T31: R3E S19 PT.

An aspen, 5 ins. diam., bears N. 47° W., 10 lks.
 dist., marked T31: R3E S30 PT.

An aspen, 6 ins. diam., bears N. 65° W., 1 lks.
 dist., marked T31: R3E S30 PT.

Land, rolling and mountainous, broken in places by
 outcroppings of trachyte ledges with a general
 northerly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte
 boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine.

Good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

- East, on random line bet. secs. 20 and 29.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.20 Intersect the N. and S. line, 17 lks. N. of the cor. of secs. 20, 21, 28 and 29.
- Thence,
- N. $89^{\circ}52'$ W., on true line bet. secs. 20 and 29.
- Descend gradually over rolling mountainous land through dense timber and scattering undergrowth.
- 12.90 Leave timber, bears NW. and SE.
- 19.40 Enter dense timber, bears NE. and SW.
- 23.50 Descent becomes abrupt, bears NE. and SW.; thence over abrupt NW. slope, broken by outcroppings of trachyte ledges.
- 40.10 On broken W. slope, 280 ft. below the sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
- | | |
|---------------|----------------------------|
| | S20 |
| $\frac{1}{4}$ | <hr style="width: 100%;"/> |
| | S29 |
| | 1924 |
- From which,
- A balsam, 10 ins. diam., bears N. 60° E., 20 lks. dist., marked $\frac{1}{4}$ S20 BT.
- A red pine, 10 ins. diam., bears S. 27° W., 13 lks. dist., marked $\frac{1}{4}$ S29 BT.
- 69.00 Wagon road, in bottom of draw, bears SE. to Boulder, Utah, and NW. to Bicknell, Utah; draw is 280 ft. below the $\frac{1}{4}$ sec. cor., drains NW.; continue abrupt descent.
- 69.20 On a wire telephone line, bears NW. to Teasdale, Utah, and SE. to Escalante, Utah.
- 50.20 The cor. of secs. 19, 20, 29 and 30, 110 ft. below draw. Land, broken on W. portion of mile and rolling on E. portion, with a general northwesterly exposure and drainage.
- Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Subdivision of T. 31 S., R. 3 E.

Chains

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine on portions of mile.

Good grazing.

S. 89°48' W., on random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

77.56 Intersect the W. bdy. of the township, 5 lks. S. of the cor. of secs. 19, 24, 25 and 30.

Thence,

N. 89°50' E., on true line bet. secs. 19 and 30.

Descend gradually over rolling land through scattering undergrowth...

26.00 Bottom of swale, 40 ft. below cor., drains N.; ascend gradually over rolling NW. slope.

37.56 On rolling NW. slope, 30 ft. above swale.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for 1/4 sec. cor., with brass cap marked.

S19

S30
1924

From which,

An aspen, 8 ins. diam., bears N. 85° E., 344 lks. dist., marked 1/4 S19 BT.

An aspen, 8 ins. diam., bears S. 17° E., 257 lks. dist., marked 1/4 S30 BT.

39.50 Enter dense timber, bears N. 30° E. and S. 30° W.

45.00 Wash, 50 lks. wide, 12 ft. deep, drains NW.

77.56 The cor. of secs. 19, 20, 29 and 30, 60 ft. above the 1/4 sec. cor..

Land, rolling and mountainous with a general northwesterly exposure and drainage..

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Chains

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine
on E. portion of mile.

Good grazing.

N. 0°03' W., bet. secs. 19 and 20.

Descend gradually over rolling N. slope through dense
timber and scattering undergrowth.

18.35 Wagon road, bears NW. to Bicknell, Utah, and SE. to
Boulder, Utah.

32.50 One wire telephone line, bears N. 35° W. to Teasdale,
Utah and S. 35° E. to Escalante, Utah.

32.70 Swale, 80 ft. below the sec. cor., drains NE.; ascend
gradually.

37.00 Wagon road, bears NE. to Bicknell, Utah, and SW. to
Boulder, Utah.

40.00 On rolling SE. slope, 20 ft. above swale.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S19 | S20
1924

From which,

An aspen, 5 ins. diam., bears N. 52° E., 30 lks.
dist., marked $\frac{1}{4}$ S20 BT.

An aspen, 10 ins. diam., bears S. 47° W., 39 lks.
dist., marked $\frac{1}{4}$ S19 BT.

41.20 Spur, 20 ft. above the $\frac{1}{4}$ sec. cor., projects N. 70° E.;
descend gradual NE. slope.

47.10 Draw, 30 ft. below spur, drains NW.; ascend gradual SW.
slope.

58.50 Spur, 30 ft. above draw, projects NW.; descend gradual
NE. slope of spur.

61.97 One wire telephone line, bears N. 40° E. to Teasdale,
Utah, and S. 40° W., to Escalante, Utah.

Subdivision of T. 31 S., R. 3 E.

Chains

80.00 On rolling N. slope, 150 ft. below spur.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap marked.

T31S	R3E
S18	S17
S19	S20
1924	

From which,

A red pine, 6 ins. diam., bears N. 47° E., 24 lks. dist., marked T31S R3E S17 BT.

An aspen, 8 ins. diam., bears S. 39° E., 51 lks. dist., marked T31S R3E S20 BT.

A red pine, 18 ins. diam., bears S. 18° W., 28 lks. dist., marked T31S R3E S19 BT.

An aspen, 10 ins. diam., bears N. 15° W., 20 lks. dist., marked T31S R3E S18 BT.

Land, low rolling hills and mountainous with a general northwesterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine.

Good grazing.

S. 89°52' E., on random line bet. secs. 17 and 20.

40.00 Set temp. 1/2 sec. cor.

80.22 Intersect the N. and S. line, 19 lks. S. of the cor. of secs. 16, 17, 20 and 21.

Thence,

West, on true line bet. secs. 17 and 20.

Descend abruptly over rolling mountainous land through dense timber and scattering undergrowth.

3.40 Draw, 70 ft. below cor., drains S. 60° W.; ascend gradual SE. slope.

Chains

- 4.40 Spur, 20 ft. above cor., projects S. 60° W., descend gradual NW. slope.
- 27.00 Draw, 180 ft. below spur, drains NW.; ascend gradual slope.
- 28.80 Spur, 20 ft. above draw, projects NW.; descend gradual SW. slope.
- 40.11 In bottom of swale, 20 ft. below spur, drains NW. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S17
 $\frac{1}{4}$ -----
 S20
 1924

From which,

- An aspen, 5 ins. diam., bears N. 54° E., 51 lks. dist., marked $\frac{1}{4}$ S17 BT.
- An aspen, 6 ins. diam., bears S. 42° E., 110 lks. dist., marked $\frac{1}{4}$ S20 BT.

- 54.00 Rolling top of spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects NW.; descend gradual SW. slope.
- 76.15 One wire telephone line, bears N. 20° E. to Teasdale, Utah, and S. 20° W., to Escalante, Utah.
- 78.90 Wagon road, bears N. 20° E. to Bicknell, Utah, and S. 20° W., to Boulder, Utah.
- 80.22 The cor. of secs. 17, 18, 19 and 20, 140 ft. below spur
 Land, rolling and mountainous with a general northwest exposure and drainage.
 Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.
 Undergrowth, scattering sagebrush.
 Timber, dense aspen, balsam, red, yellow and white pine.
 Exceedingly good grazing.

Subdivision of T. 31 S., R. 3 E.

Chains

S. 89°50' W., on random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.50 Intersect the cor. of secs. 13, 18, 19 and 24, on the
W. bdy. of the township.

Thence,

N. 89°50' E., on true line bet. secs. 18 and 19.

Descend abruptly over broken SE. slope through dense
timber and scattering undergrowth.

30.00 Draw, at base of abrupt descent, 320 ft. below cor.,
drains NE.; ascend gradual NW. slope.

37.50 On rolling NW. slope, 70 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S18

S19

1924

From which,

A red pine, 6 ins. diam., bears S. 1° E., 25 lks.
dist., marked $\frac{1}{4}$ S19 BT.

A red pine, 10 ins. diam., bears N. 8° W., 14 lks.
dist., marked $\frac{1}{4}$ S18 BT.

52.50 Rolling top of spur, 80 ft. above the $\frac{1}{4}$ sec. cor.,
projects N.; descend gradually.

67.50 Wash, 30 lks. wide, 2 ft. deep, drains NE.

77.50 The cor. of secs. 17, 18, 19, and 20, 40 ft. below spur.

Land, broken on W. portion of mile with a general
southeasterly exposure and drainage, rolling on E.
portion, with a general northwesterly exposure and
drainage.

Soil, shallow black loam mixed with loose trachyte
boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine.

Good grazing.

Chains

N. 0°03' W., bet. secs. 17 and 18.

Descend gradually over rolling mountainous land through dense timber and scattering undergrowth.

10.00 Wash, 50 lks. wide, 4 ft. deep, drains NE.

23.50 Recross same wash, drains N. 30° W.

40.00 On rolling N. slope, 130 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	$\frac{1}{4}$	
S18	|	S17
1924		

From which,

An aspen, 6 ins. diam., bears S. 27° E., 12 lks. dist., marked $\frac{1}{4}$ S17 BT.

An aspen, 8 ins. diam., bears N. 60° W., 21 lks. dist., marked $\frac{1}{4}$ S18 BT.

59.20 Draw, 90 ft. below the $\frac{1}{4}$ sec. cor., drains N. 30° E.; ascend gradual SE. slope.

72.50 Ascent becomes abrupt, bears NE. and SW.

80.00 On abrupt SE. slope, 220 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 7, 8, 17 and 18, with brass cap marked.

T31S		R3E			
S7		S8			
<table style="border-collapse: collapse; margin: auto;"> <tr> <td style="border-right: 1px solid black; padding: 0 5px;">S18</td> <td style="border-right: 1px solid black; padding: 0 5px;"> </td> <td style="padding: 0 5px;">S17</td> </tr> </table>			S18		S17
S18		S17			
1924					

From which,

A cedar limb, 8 ins. diam., bears S. 65° E., 23 lks. dist., marked T31S R3E S17 BT.

No other suitable bearing trees available.

Land, rolling and mountainous with a general northeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Subdivision of T. 31 S., R. 3 E.

Chains

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, cedar, red, yellow and white pine.

Good grazing.

East, on random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the N. and S. line, 19 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence,

S. 89 52' W., on true line bet. secs. 8 and 17.

Descend abruptly over rolling mountainous land through dense timber and scattering undergrowth.

10.00 Descent becomes gradual, bears N. and S.

12.20 Wash, 20 lks. wide, 2 ft. deep, drains N. 75° W.

29.60 Timber becomes scattering, bears N. and S.

34.50 One wire telephone line, bears N. 30° E., to Teasdale, Utah, and S. 30° W., to Escalante, Utah.

40.05 On rolling NW. slope, 450 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S8

S17

1924

From which,

An aspen, 8 ins. diam., bears S. 85°30' E., 458 lks. dist., marked $\frac{1}{4}$ S17 BT.

No other suitable accessories available.

44.65 Wagon road, bears N., to Bicknell, Utah, and S. to Boulder, Utah.

53.50 Gulch, 60 ft. below the $\frac{1}{4}$ sec. cor., drains N. 30° E.; thence ascent abruptly over broken SE. slope.

80.10 The cor. of secs. 7, 8, 17 and 18, 300 ft. above gulch.

Land, rolling and mountainous with a general northwesterly exposure and drainage.

Chains

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red and yellow pine on E. portion of mile; scattering aspen, balsam, red, yellow and white pine on W. portion.

Good grazing.

S. 89° 50' W., on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

77.54 Intersect the W. bdy. of the township, 12 lks. S. of the cor. of secs. 7, 12, 13 and 18.

Thence,

N. 89° 55' E., on true line bet. secs. 7 and 18.

Over rolling land through dense timber and scattering undergrowth.

1.00 Leave timber, bears N. and S.

14.90 Draw, 30 ft. deep, drains SW.

19.00 Enter dense timber, bears N. and S.

22.90 Spur, 40 ft. high, projects N. 30° E.

27.10 Draw, 30 ft. deep, drains N. 30° E.

30.00 Spur, 40 ft. high, projects NW.

37.54 On rolling NE. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S7

$\frac{1}{4}$
S18

1924

From which,

A balsam, 10 ins. diam., bears S. 89° W., 63 lks. dist., marked $\frac{1}{4}$ S18 BT.

An aspen, 5 ins. diam., bears N. 45° W., 112 lks. dist., marked $\frac{1}{4}$ S7 BT.

Continue over rolling land.

70.00 Ridge, 40 ft. high, bears NE. and SW.; descend abrupt SE. slope of ridge.

Subdivision of T. 31 S., R. 3 E.

Chains

77.54 The cor. of secs. 7, 8, 17 and 18, 320 ft. below ridge.
 Land, rolling and mountainous with a general easterly exposure and drainage.
 Soil, shallow black loam, mixed with loose trachyte boulders; 2nd rate.
 Undergrowth, scattering sagebrush.
 Timber, dense aspen, balsam, red, yellow and white pine on portions of mile.
 Good grazing.

N. 0°03' W., bet. secs. 7 and 8.

Ascend abruptly over SE. slope of ridge through dense timber and scattering undergrowth.

11.00 Ridge, 140 ft. above cor., bears NE. and SW.; descend gradual NW. slope.

35.70 Draw, 170 ft. below ridge, drains NE.; ascend gradual SE. slope.

38.80 Spur, 30 ft. above draw, projects E.; descend abrupt N. slope of spur.

40.00 On abrupt N. slope of spur, 20 ft. below top.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S7 | S8
 ·1924

From which,

A red pine, 10 ins. diam., bears S. 29° E., 42 lks. dist., marked $\frac{1}{4}$ S8 BT.

A red pine, 10 ins. diam., bears N. 52° W., 26 lks. dist., marked $\frac{1}{4}$ S7 BT.

52.50 Spur, 80 ft. below the sec. cor., projects N. 30° E.; descend gradual NW. slope of spur.

70.50 Draw, 80 ft. below spur, drains NE.; ascend gradual SE. slope.

74.00 Timber becomes scattering, bears E. and W.

Chains

80.00 On rolling SE. slope, 60 ft. above draw.
Set an iron post, 3 ft. long, 2 ins., diam., 10 ins. in the ground to bedrock and in a large mound of stone, cor. of secs. 5, 6, 7 and 8, with brass cap marked.

T31S	R3E
S6	S5
S7	S8

. 1924

From which,

An aspen, 10 ins. diam., bears S. 15° E., 386 lks. dist., marked T31S R3E S8 BT.

An aspen, 10 ins. diam., bears S. 24° W., 347 lks. dist., marked T31S R3E S7 BT.

A yellow pine, 18 ins. diam., bears N. 54° W., 543 lks. dist., marked T31S R3E S6 BT.

No NE. bearing tree available.

Land, rolling and mountainous, broken in places by outcroppings of trachyte ledges with a general northeasterly exposure and drainage.

Soil, shallow black loam mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, red, yellow and white pine on most of mile; scattering yellow pine and aspen on extreme N. portion of mile.

Good grazing.

N. 89°52' E., on random line bet. secs. 5 and 8.

40.00 Set temp. sec. cor.

80.00 Intersect the N. and S. line, 14 lks. N. of the cor. of secs. 4, 5, 8 and 9.

Thence,

S. 89°58' W., on true line bet. secs. 5 and 8.

Over rolling bottom of Dark Valley through scattering undergrowth.

Subdivision of T. 31 S., R. 3 E.

Chains

- 2.10 Irrigation ditch, 5 lks. wide, 1 ft. deep, drains SW.
 - 2.80 Pole fence, which forms the E. boundary of Chas. Snow's ranch, bears N. and S.; thence over meadow land.
 - 14.00 Enter dense willow undergrowth, bears N. and S.
 - 23.35 Stream of good water, 4 lks. wide, 3 ins. deep, in channel, 20 lks. wide, 1 ft. deep, drains NW.
 - 25.00 Leave willow undergrowth, bears N. and S.
 - 38.90 Irrigation ditch, 4 lks. wide, 1 ft. deep, drains NW.
 - 40.00 On level pasture land.
- Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S5
 $\frac{1}{4}$ —————
 S8

1924

Deposit a trachyte, 10 x 10 x 8 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

- 52.70 Wash, 30 lks. wide, 3 ft. deep, drains NW.
- 64.28 Pole fence, which forms the W. boundary of Chas. Snow's ranch, bears N. and S.; from this point, the NW. cor. of fence bears N., 6.38 chs. dist. and the SW. cor. of fence, bears S., 15.80 chs. dist.; thence over sagebrush flat.
- 70.00 Draw, 20 ft. deep, drains NE.
- 74.00 Leave rolling bottom of Dark Valley, bears NE. and SW., and ascend gradual SE. slope.
- 80.00 The cor. of secs. 5, 6, 7 and 8, 90 ft. above valley. Land, rolling bottom of Dark Valley, with a general northwesterly exposure and drainage.
 Soil, deep black gravelly loam; 1st rate.
 Undergrowth, scattering sagebrush and dense willows on portions of mile.

No timber.

Exceedingly good grazing.

Chains

- S. 89°55' W., on random line bet. secs. 6 and 7.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 77.45 Intersect the W. bdy. of the township, 7 lks. N. of the cor. of secs. 1, 6, 7 and 12.
- Thence,
- N. 89°52' E., on true line bet. secs. 6 and 7.
- Over rolling mountainous land through scattering timber and undergrowth.
- 37.45 On rolling mountainous land, 100 ft. below cor.
- Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S6
 $\frac{1}{4}$ —————
 S7
 1924

From which,

- A red pine, 15 ins. diam., bears S. 44° W., 162 lks. dist., marked $\frac{1}{4}$ S7 BT.
- A red pine, 12 ins. diam., bears N. 61° W., 170 lks. dist., marked $\frac{1}{4}$ S6 BT.
- 40.80 Draw, 20 ft. deep, drains S.
- 50.80 Spur, 30 ft. high, projects S.; descend gradual SE. slope of spur.
- 77.45 The cor. of secs. 5, 6, 7 and 8, 440 ft. below spur.
- Land, rolling and mountainous with a general southeasterly exposure and drainage.
- Soil, shallow black loam mixed with loose trachyte bouldens; 2nd rate.
- Undergrowth, scattering sagebrush.
- Timber, scattering aspen, balsam, red, yellow and white pine.
- Good grazing.

Chains

N. 0°03' W., bet. secs. 5 and 6.

Ascend gradually over rolling mountainous land through scattering timber and undergrowth.

10.80 Spur, 60 ft. above cor., projects E.; descend gradually over rolling N. slope of spur.

27.50 Draw, 90 ft. below spur, drains E.; ascend gradually over rolling SE. slope.

40.00 On rolling SE. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S6 | S5
 1924

From which,

A red pine, 10 ins. diam., bears N. 3° E., 298 lks. dist., marked $\frac{1}{4}$ S5 BT.

An aspen, 8 ins. diam., bears N. 45° W., 60 lks. dist., marked $\frac{1}{4}$ S6 BT.

60.00 Spur, 40 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descend gradual N. slope of spur.

67.70 Draw, 40 ft. below spur, drains E.; ascend gradual SE. slope.

80.16 On rolling SE. slope, 70 ft. above draw; intersect the Sixth Standard Parallel South, S. 89°49' E., 5.55 chs. dist. from the standard $\frac{1}{4}$ sec. cor. of sec. 32, which is heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to bedrock and in a large mound of stone, for closing cor. of secs. 5 and 6, with brass cap marked.

T30S R3E
S32

S6	S5
T31S	R3E

 1924

Subdivision of T. 31 S., R. 3 E.

Chains

From which,

A red pine, 8 ins. diam., bears S. 14° E., 85 lks. dist., marked T31S R3E S5 CC BT.

A yellow pine, 12 ins. diam., bears S. 57°30' W., 256 lks. dist., marked T31S R3E S6 CC BT.

Land, rolling and mountainous, broken in places with a general southeasterly exposure and drainage.

Soil, shallow black loam, mixed with loose trachyte boulders; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering aspen, red and yellow pine.

Good grazing.

Meanders, T. 31 S., R. 3 E.

Meanders of unnamed lake located in secs. 28, 29, 32 and 33.

From the meander cor. of secs. 32 and 33, which is heretofore described, on the S. bank of unnamed lake.

Thence, with meanders in sec. 32.

Over rolling land through scattering undergrowth and dense timber.

N. 33°15' W., 2.15 chs. Bank 5 ft. high, covered with dense timber.

North, 4.00 chs.

Bank 10 ft. high, covered with dense timber. To the meander cor. of secs. 29 and 32, which is heretofore described.

Thence, with meanders in sec. 29.

N. 35° E., 2.30 chs.

Bank 15 ft. high, covered with dense timber. To the meander cor. of secs. 28 and 29, which is heretofore described.

Thence, with meanders in sec. 28.

N. 48°15' E., 28.70 chs. Bank 10 ft. high, covered with dense timber.

Meanders T. 31 S., R. 3 E.

East, 4.00 chs. Bank 3 ft. high, covered with scattered willow undergrowth.

South 10.00 chs. Bank 2 ft. high, covered with scattered willow undergrowth.

West 4.20 chs. Bank 3 ft. high, covered with a dense growth of grass.

South 4.65 chs. Bank 3 ft. high, covered with a dense growth of grass.

S. 68° W. 17.00 chs. Bank 4 ft. high, covered with dense timber. To the meander cor. of secs. 28 and 33, heretofore described.

Thence, with meanders in Sec. 33.

S. 43° 53' W. 8.05 chs. Bank 4 ft. high, covered with dense timber. To the meander cor. of Secs. 32 and 33, heretofore described.

Land, rolling.

Soil, shallow black loam, mixed with loose trachyte boulders; 2d rate.

Undergrowth, scattered willows and sagebrush on portions of meander lines.

Timber, dense aspen, balsam, red and white pine on portions of meander lines.

Exceedingly good grazing.

BOUNDARIES T. 31 S., R. 3 E.

Latitudes, Departures, and Closing Errors.

Lines Designated	True Bearing	Dist. chs.	Latitudes.		Departures.	
			N. chs.	S. chs.	E. chs.	W.
6th Stand Par. S.	N. 89° 42' E.	31.59	.17	.....	31.59	.....
	N. 89° 55' E.	40.38	.06	.....	40.38	.....
	S. 89° 49' E.	40.13	.....	.13	40.13	.....
	East	40.15	.....	.....	40.15	.....
	S. 89° 58' E.	39.89	.....	.02	39.89	.....
	S. 89° 41' E.	39.58	.....	.22	39.58	.....
	S. 89° 38' E.	40.37	.....	.26	40.37	.....
	East	119.09	.....	.....	119.09	.....
	N. 89° 53' E.	40.00	.08	.....	40.00	.....
	East	46.79	.....	.....	46.79	.....
East Boundary	South	479.50	.....	479.50	.....	.....
South Boundary	West	477.74	.....	.....	.....	477.74
West Boundary	North	480.00	480.00	.....	.....	.....
Convergency			.....	.....	.57	.....
T o t a l s			480.31	480.13	478.54	477.74
Errors in latitudes and departures			480.13		477.74	
			0.18		0.80	

General Description of T. 31 S., R. 3 E.

The land within the boundaries of this township consists of the rolling top and the rolling west slope of the Boulder Mountain. The east portion of the township consists of the rolling top of the Boulder Mountain, which is at an elevation of over 11000 feet above sea level; and is broken in places by outcroppings of trachyte ledges which are from 10 to 20 ft. high; but most of the mountain top is rolling; and most any point can be reached by team and wagon. The west portion of the township is the rolling west slope of Boulder Mountain, and is broken in places by trachyte rimrock and deep ravines.

The entire township is within the boundaries of the Powell National Forest Reserve; and the south and center portions of the township are covered with a dense growth of large timber, consisting of aspen, balsam, red, yellow, and white pine. The timber on top of the Boulder Mountain and in the northwest portion of the township consists of a scattered growth of aspen, balsam, red, yellow, and white pine. In places throughout this portion of the township small groves of dense timber are found, broken in places by small open basins and parks. Most of the pine timber within the boundaries of the township is of good size, and would make good saw-timber, but only one saw mill was located in the township at the time of the survey. This mill is located in the north half of Sec.4. The owner of the mill informed me that he sawed approximately fifty thousand feet of lumber each year, most of which is used by the people located in the farming districts approximately twenty-five miles to the north of the township. On account of the timber in the township being approximately eighty-five miles from any railroad, very little of it is utilized.

Numerous lakes were found throughout the township, and all of them contain fresh water. None of the lakes are fed by streams of water on the surface, but they are fed by underground drainage from one lake to another.

One lake with an area of over twenty-five acres was found located in sections 28, 29, 32 and 33. This lake is unnamed and contains good fresh water approximately twenty-five feet deep. In most places the lake is surrounded by a dense growth of large aspen, balsam, red and white pine timber. An unnamed lake with an area of approximately fifteen acres was found located in the NW. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of section 33, and the NE. $\frac{1}{4}$ of the SE. $\frac{1}{4}$ of section 32. This lake contains good fresh water and is approximately twenty feet deep. The shores of the lake, are surrounded by a dense growth of large aspen, balsam, red and white pine timber. An unnamed lake containing an area of approximately ten acres, was found near the center of the west half of section 27, and the east half of section 28. This lake contains good fresh water and is approximately thirty feet deep. The remainder of the lakes found throughout the township are from one to ten chains in diameter and all contain fresh water during the entire year. None of the lakes found contain fish of any kind, but I believe that rainbow trout would thrive well in most of the large lakes, as they all contain plenty of insects. In most places, the shores of the lakes are covered with a dense growth of tall grass.

Most of the entire township is covered with a good growth of grass which affords good grazing for stock during the summer months. The snow fall is so deep on the township during the winter months that it is impossible for stock to graze it during this period of the year.

The only settler in the township at the time of the survey was Chas. Snow, who has an entry of approximately

Chains

One hundred-sixty acres of meadow land, located in the south half of section 5 and the north half of section 8. This ranch is locally known as Dark Valley, and is in the level bottom of a large open draw which drains NW. and forms the main drainage of the township. The raising of garden vegetables has been tried on this ranch, but the climate is so cold that crops cannot be successfully produced. The improvements of the ranch consists of a one room log cabin, a one room log camp house, a log stable, approximately two miles of pole fencing and approximately one mile of ditch. The buildings on the ranch are located in the NE. $\frac{1}{4}$ of the NE. $\frac{1}{4}$ of section 8. The ranch is irrigated from a large spring flowing approximately two second feet of water, located in the SE. $\frac{1}{4}$ of the NE. $\frac{1}{4}$ of section 8, and by a portion of the water which is diverted from Birch Creek near the north boundary of section 4. The water from Birch Creek, reaches the ranch through a irrigation ditch which flows in a southerly direction through section 4. Birch Creek is a stream of good mountain water which heads in section 2, and flows in a westerly direction along a portion of the north boundary of the township, thence in a northwesterly direction to a large open basin where the water sinks.

A wagon road which is in a very poor condition, enters the township on the north boundary of section 5, and bears in a southerly direction from Bicknell, Utah, to Boulder, Utah, leaving the township on the south boundary of section 32.

A one wire telephone line belonging to the Forest Service enters the township on the north boundary of section 4, and bears in a southerly direction from Teasdale, Utah, to Escalante, Utah, leaving the township on the south boundary of section 31.

The township in general is suitable for grazing purposes during the summer months.

General Description of T. 31 S., R. 3 E.

Chains

No indications of mineral were found in the township.
The magnetic declination was not taken on account of a defective needle.

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Page

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Edward Eliason.	1st Chainman
Russell Weiler	1st Chainman
Richard Christiansen	2nd Chainman
Glenn Loader	2nd Chainman
Golden Billings	2nd Chainmen
Gail Jensen	Flagman
Golden Billings	Flagman
Neldon Adams	Flagman
George Faux	Cornerman
Golden Billings	Axeman
Farrell Adams	Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR.

Robert C Yundt, U.S. Transitman, and
I We, Elliot Bird U. S. Surveyor, hereby certify upon honor that, in pur

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 29th day of June 1923 We have well, faithfully, and

our own proper person^s and in strict conformity with said instructions, the Manual of Surveying I

and the laws of the United States, surveyed all those parts or portions of a portion of t

Sixth Standard Parallel South through R. 4 E., the East, South, a

West Bounderies and Subdivision of T. 31 S., R. 3 E., and Resurve

of the Sixth Standard Parallel South, Through R. 3 E., and meande

of unnamed lake located in sections 28, 29, 32 and 33, T. 31 S.,

R. 3 E. of the Salt Lake B

And Meridian, in the State of Utah, which are represen

and date diagram on dates shown on said diagram
the foregoing field notes/as having been executed by us, and under our direction; and that all the corn

and survey have been established and perpetuated in strict accordance with the Manual of Surveying In

and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field no

January 5, 1925,
Salt Lake City, Utah.

January 5, 1925.
Salt Lake City, Utah.

Elliot Bird
U. S. Surveyor

APPROVAL. U.S. Transitman.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Salt Lake City, Utah

Mar. 19, 1923

The foregoing field notes of the survey of a portion of the Sixth Standard Par
south through Range 4 East, the East, south and West boundaries
and subdivision of T. 31 S., R. 3 E. and the resurvey of the
Sixth Standard Parallel South, through Range 3 East, and meande
of unnamed lake located in Secs. 28, 29, 32 and 33, T. 31 S. R.
of the Salt Lake Base and Meridian, Utah.

examined by Elliott Bird and Robert C. Yundt, U.S. Surveyor and Transitman

under his special instructions dated June 29, 1923, having be
critically examined, and the necessary corrections and explanations made, the said field notes, and the surve
they describe are hereby approved.

E. S. Yundt
U. S. Surveyor General

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

U. S. Surveyor General

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BOOK A-474

4-070

A

FIELD NOTES

OF THE SURVEY OF THE

EAST, SOUTH, AND WEST BOUNDARIES

AND

SUBDIVISION

OF

TOWNSHIP NO. 43 SOUTH, RANGE NO. 17 EAST,

Of the SALT LAKE BASE AND Meridian,

the State of U T A H

EXECUTED BY

CHAS. F. MOORE AND WILLIS W. BANDY

Transit men 1923
by the capacity of U. S. Surveyor, under instructions dated Sept. 17, 1917,
issued by the United States Surveyor General to govern surveys included in
Group No. 149, which were approved by the Commissioner of the General Land
Office, Sept. 28, 1923, 1917- Assignment instructions dated Dec. 4,
1923 and Dec. 19, 1923, respectively.

Survey commenced January 9, 1924, 1917-

Survey completed February 12, 1924, 1917-

INDEX DIAGRAM.

Township 42 South, Range 17 East

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Township 23 South, Range 17 East

Date Diagram

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Lines ruled in red were surveyed by Chas. F. Moore, U.S. Transitman.

Lines ruled in black were surveyed by Willis W. Bandy, U. S. Transitman.

Survey commenced January 4, 1924, and executed with Buff & Buff solar transit No. 9220, used by Chas. F. Moore, and No. 8296 Young & Sons, used by Willis W. Bandy, both U. S. Transitmen. Both instruments are equipped with Smith Solar attachments and full vertical circles. The horizontal limbs are each provided with two double verniers, placed opposite to each other, and reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circles. The instruments were approved for use on this survey by the Assistant Supervisor of Surveys for District No. 6, (conditional upon satisfactory field tests), in assignment instructions dated Dec. 4, 1923 and Dec. 19 1923, respectively.

We examine the adjustments of the instruments and correct all errors; then, to test the solar apparatus by comparing indications resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, we proceed as follows:

January 5, 1924, stationed at our camp in Sec. 35, T. 42 S., R. 17 E., in approximate latitude $37^{\circ} 7' N.$; long. $110^{\circ} 10' W.$, at 0 h. 36 m. A. M., l.m.t., with instrument Buff & Buff No. 9220, we observe Polaris at western elongation, making six observations, three each with the telescope in direct and reversed positions and mark the mean point in the line thus determined, on a peg driven in the ground, about 10 chs. N. of our station. Azimuth of Polaris at western elongation, $1^{\circ} 22' 37''$. At 7 h. 45 m. a.m. apparent time, we lay off the azimuth of Polaris $1^{\circ} 22' 37''$ to the east, and mark the meridian thus determined by a tack driven in a peg firmly set in the ground 10 chs. N.

Township 43 South, Range 17 East.

At 9h. 0 m. A. M., apparent time, with both instruments in the meridian, we set off $37^{\circ} 07' 30''$ N. on the lat arcs, $22^{\circ} 39' 30''$ S. on the decl. arcs, and determine meridians with the solars which we find to agree with the true meridian.

At apparent noon, using instrument No. 8296 we make a meridian observation of the sun for time and latitude, observing simultaneously the altitude of the sun's lower limb and the transit of the sun's west limb, reversing the telescope and observing simultaneously the altitude of the sun's upper limb and the transit of the sun's east limb.

Mean observed altitude	$30^{\circ} 12' 45''$
Reduced latitude	$39^{\circ} 07' 30''$ N.
Watch time of observation	12h. 05m 0 s.
Watch slow of local mean time	5 s.

At apparent noon, with the latitude arcs unchanged, we observe the sun on the meridian, the resulting readings of the declination arcs are $22^{\circ} 39\frac{1}{2}'$ S., which agrees with the computed declination of the sun.

At 3h 0 m. p.m., apparent time, with the latitude arcs unchanged, we set off $22^{\circ} 38'$ S. on the declination arcs, and determine meridians with the solars which we find to agree with the true meridian.

As all the solar observations during the usual hours of solar work, come within 1' of the true meridian, we conclude that the adjustments of the instruments are satisfactory.

The instruments were kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

At the completion of the survey of this township, we made a final test of the instruments as follows:

February 10, 1924, with both instruments in the meridian established by observation on Polaris, at 9h 0 a.m. apparent time, we set off $39^{\circ} 07' 30''$ N. on the lat. arcs, $14^{\circ} 34'$ S. on the decl. arcs, and determine meridians with the solars which we find to agree with the true meridian.

At apparent noon, with the latitude arcs unchanged, we observe the sun on the meridian; the resulting readings of the declination arcs is $14^{\circ} 32' 15''$ S.

At 3h 0 m.p.m. apparent time with the latitude arcs unchanged, we set off $14^{\circ} 29' 30''$ S. on the declination arcs, and determine meridians with the solars which we find to agree with the true meridian.

As all the solar observations during the usual hours of solar work come within 1' of the true meridian, we conclude that the instruments are in satisfactory adjustment.

MEASUREMENTS.

Unless otherwise specified all measurements are made with Lallie steel tapes 5 chains in length, compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

METHOD OF PROCEDURE.

The survey of the north boundary of this township is provided for in the notes of T. 41 S., R. 17 E. The east boundary is run south six miles where the corner for Tps. 42 and 43 S., Rs. 17 and 18 E. is es-

Township 42 South, Range 17 East.

tablished.

The south boundary is run west and the west boundary south, where, at intersection, the corner of Tps. 42 and 43 S., Rs. 16 and 17 E. is set; fractional distances being placed in the western and northern half-miles, respectively.

The township is subdivided from east to west in the regular manner.

Chains.

EAST BOUNDARY.

From the corner of Tps. 41 and 42 S., Rs. 17 and 18 E. which is an iron post, 3 ins. in diam., extending 9 ins. above ground, firmly set and marked and witnessed as described in notes of T. 41 S., R. 18 E.

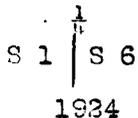
South on true line between secs. 1 and 6,

Over rolling bench land; through scattered growth of low desert brush.

20.00 Shallow draw, draining NE.

Ascend gently 45 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

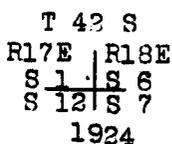


Deposit a sandstone 12 x 6 x 3 ins., marked with a (X) cross, at base of post

No other accessories available.

51.00 Shallow wash, draining NE.

80.00 Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked



Chains.

Deposit a sandstone 6 x 6 x 2 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth scattered black brush and amole plant.

Fair grazing. General drainage NE.

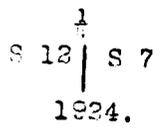
South between Secs. 7 and 12,

over rolling bench land; through scattered growth of low desert brush.

17.00 Shallow draw, draining NE.

Ascend gradually 110 ft. to

19.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked



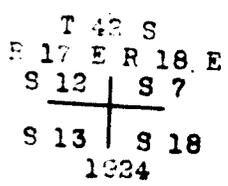
and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Continue slight ascent.

29.00 Shallow wash, in in. SE.

30.00 20 ft. above 1/4 sec. cor.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked



Deposit a sandstone 8 x 6 x 4 ins., marked with a (X) at base of post.

No other accessories available.

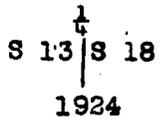
Chains.

South between Secs. 13 and 18,
Over rolling bench land; through scattered growth of
low desert brush.

27.80 Leave rolling bench, bears NE. and SW.

Descend over SE. slope, over broken land, 150 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 12 ins. in
the ground, to bed-rock, supported by a mound of
stones, with brass cap marked



Deposit a sandstone 7 x 4 x 3 ins., marked with a (X)
cross at base of post. No other accessories available.
Thence over bottom land, in bottom of draw drains NE.

46.30 Wash, 20 lks. wide, 5 ft. deep, draining NE.

Ascend NW. slope 220 ft.

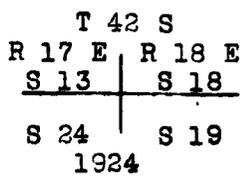
62.70 Break of rolling bench, bearing NE. and SW.

Thence over bench.

70.10 Line touches bend in break of bench, bearing SW. and
NW.

80.00 On rolling bench,

Set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in
the ground, for cor. of secs. 13, 18, 19, and 24, with
brass cap marked



And raise a mound of stone, 2½ ft. base, 1½ ft. high W.
of cor.

Land, rolling bench and broken SE. slope.
Soil, sandy loam, 2d rate, and rocky 3d and 4th rates.
Timber, none.
Undergrowth, scattered black brush and amole plant.
Fair grazing. Drainage NE.

Chains. South between Secs. 19 and 24,
Over rolling bench land, through scattered growth of
low desert brush; ascending gently.

40.00 100 ft. above sec. cor.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S 24 | S 19
 1924

Deposit a sandstone 10 x 5 x 5 ins. marked with a (X)
cross, at base of post.

No other accessories available.

51.00 Road, bears NW. and SE.

78.90 Road, bears NE. to Bluff, Utah, and SW. to Moonlight.

80.00 On rolling bench land,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 19, 24, 25, and 30, with
brass cap marked

T 42 S
 R 17 E R 18 E
 S 24 | S 19
 S 25 | S 30
 1924

Deposit a sandstone 4 x 5 x 3 ins., marked with a (X)
cross, at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush and amole plant.

Drainage SW.

South between Secs. 25 and 30,
Over rolling bench land; through scattered low growth
of desert brush.

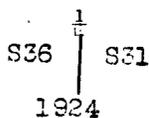
East Boundary of T. 42 S. R. 17 E.

Chains,

- 9.00 Shallow wash, draining SW.
- 20.00 Shallow wash, draining SW.
- 40.00 On rolling bench land,
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- | | |
|---------------|-----|
| $\frac{1}{4}$ | |
| S25 | S30 |
| 1934 | |
- Deposit a sandstone 6 x 5 x 4 ins. marked with a (X)
at base of post.
- No other accessories available.
- 52.00 Shallow wash, draining SW.
- 80.00 On rolling bench land,
Set an iron post, 3 ft. long, 2 ins. diam., 6 ins. in
ground, to bed-rock, supported by mound of stones,
for cor. of secs. 25, 30, 31, and 36, with brass cap
marked
- | | |
|--------|-------|
| T 42 S | |
| R17 E | R 18E |
| S25 | S30 |
| S36 | S31 |
| 1934. | |
- Post is set over (X) cross marked on bed-rock.
- Land, rolling bench.
- Soil, sandy loam; 2d rate.
- No timber.
- Undergrowth, scattered black brush and amole plant.
- Fair grazing.
- Drainage SW.
-
- South between Secs. 31 and 36,
Over rolling bench land; through scattered growth of
low desert brush. Descend gently.
- 19.80 Shallow draw, 29 ft. below sec. cor., drains SW.
Ascend gently.

Chains
40.00

On rolling bench, 20 ft. above draw,
Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

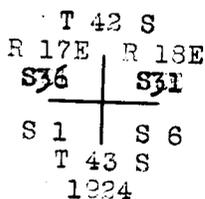


Deposit a sandstone 4 x 4 x 4 ins., marked with a (X)
at base of post.

No other accessories available.

80.00

On rolling bench,
Set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in
the ground, for cor. of Tps. 42 and 43 S., Rs. 17 and
18 E., with brass cap marked



Deposit a sandstone 6 x 4 x 3 ins., marked with a (X)
at base of post. No other accessories available.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, moun-
tain rush, and rabbit brush.

South Boundary of T. 42 S. R. 17 E.

From the cor. of Tps. 42 and 43 S., Rs. 17 and 18 E.
West, on true line, along S. boundary of township,
between Secs. 1 and 36,

Over rolling bench, land; through scattered growth of
low desert brush.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins.

South Boundary of T. 42 S., R. 17 E.

Chains.

in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 36

S 1
1924

Deposit a sandstone 4 x 3 x 3 ins., marked with a (X) cross, at base of post.

No other accessory available.

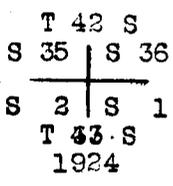
43.20

Wash, 50 lks.wide, 4 ins.deep, drains S. 20° E.

80.00

On rolling bench,

Set an iron post, 3 ft.long, 2 ins.in diam., 27 ins.in the ground, for cor.of secs.1,2,35, and 36, with brass cap marked



And raise a mound of stone 2 ft.base, 1 1/2 ft.high W. of cor.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, mountain rush, and rabbit brush.

Fair grazing.

West, between secs.2 and 35,

Over rolling bench land; through scattered growth of low desert brush.

20.00

Road, bears N. to Bluff, and S. to Clante.

40.00

On rolling bench,

Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for $\frac{1}{4}$ section corner, with brass cap marked,

South Boundary of T. 42 S., R. 17 E.

Chains.

1	S 35
	S 2
	1934

Deposit a sandstone 6 x 4 x 2 ins., marked with a (X) cross at base of post. No other accessories available.

63.00

Shallow wash, draining N.

20.00

On rolling bench,

Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, to bed-rock, supported by a mound of stones, for cor. of secs. 2, 3, 34, and 35, with brass cap marked

T 42 S	
S 34 | S 35	
S 3 | S 2	
T 43 S	
1934	

Deposit a sandstone 4 x 4 x 2 ins., marked with a (X) at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam 2d rate, and rocky 3d rate.

Undergrowth scattered black brush, amole plant, and mountain rush.

Fair grazing.

East between Secs. 3 and 34,

Over rolling bench land; through scattered growth of low desert brush; ascending gently, 60 ft. to

34.50

On north point of small rocky knoll, extending about 2.00 chs. north. Descend, 30 ft. to

43.00

On rolling bench,

Set an iron post, 3 ft. long, 1 in. in diam., 9 ins. in ground, to bed-rock, supported by mound of stones, for 1 sec. cor., with brass cap marked

1	S 34
	S 3
	1934

South Boundary of T. 42 S., R. 17 E.

Chains

Deposit a sandstone 5 x 5 x 2 ins. marked with a (X) cross at base of post.

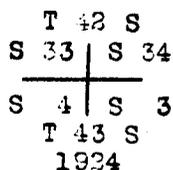
No other accessories available.

57.00 Shallow wash, draining N. 20° W.

66.00 Shallow wash, draining N. 10° E.

80.00 On rolling bench,

Set an iron post, 3 ft. long, 2 ins. in diam. 27 ins. in the ground, for cor. of secs. 3, 4, 33, and 34, with brass cap marked



Deposit a sandstone 12 x 8 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling bench,

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

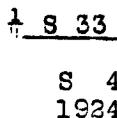
West between Secs. 4 and 33,

Over rolling bench land; through scattered growth of low desert brush; descending gently.

22.50 Shallow wash, 20 ft. below sec. cor., draining N.

40.00 On rolling bench,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 8 x 8 x 3 ins., marked with a (X)

Chains.

cross at base of post.

No other accessories available.

41.40 Wash, 40 lks. wide, 10 ft. deep, drains NE.

Road in bottom of wash bears NE. to Bluff, and SW. to Moonlight.

63.60 Wash, 20 ft. deep, 50 lks. wide, drains N. 60° E.

30.00 On rolling bench,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 4, 5, 32, and 33, with brass cap marked

	T 42 S	
S 32	|	S 33
S 5	|	S 4
	T 45 S	
	1924	

Deposit a sandstone 6 x 4 x 2 ins. marked with a (X) cross at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

West between Secs. 5 and 32,

Over rocky, broken bench land; through scattered juniper, and undergrowth. Ascending along gentle N. slope, 60 ft. to

40.00 On gentle N. slope,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	|	S 32
	|	S 5
		1924.

South Boundary of T. 42 S., R. 17 E.

Spains

Deposit a sandstone 8 x 6 x 1 ins., marked with a (X) cross at base of post.

No other accessories available.

57.70 Top of spur, 40 ft. above $\frac{1}{4}$ sec. cor., projects NE.

Descend very gently.

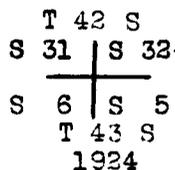
75.40 Base of mesa, bearing NE. and SW. Ascend over SE. slope.

77.20 Break of mesa, 230 ft. above base, bears NE. and SW.

Thence over rolling mesa.

80.00 On rolling mesa,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked



Deposit a sandstone 8 x 6 x 3 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rough, broken bench and mesa.

Soil, sandy loam, 2d; and rocky, 4th rate.

Timber, thinly scattered juniper.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Poor grazing.

West between Secs. 6 and 31,

Over rolling mesa, broken by box canyons; through scattered scrub timber and scattered undergrowth.

5.60 Brink of mesa, bearing N. and S. Descend abruptly over west slope.

12.00 Bottom of small box canyon draining south, 150 ft. below break. Ascend abruptly over E. slope.

South Boundary of T. 43 S., R. 17 E.

Chain,
18.50

Break of mesa, bearing N. and S., 160 ft. above
of box canyon.

Fence along rocky S. slope.

40.00

On rocky S. slope,

Set an iron post, 3 ft. long, 1 in. in diam., 14 ins. in
the ground, supported by mound of stones, for
cor., with brass cap marked

1 9 31
8 6
1924

Deposit a sandstone : 8 x 6 x 4 ins., marked with a
(X) at base of post.

* Other accessories available.

40.00

Set temp. point for cor. of Tps. 43 and 43 S., Rs. 16
and 17 E.

Land, rolling mesa, broken by box canyons.

Soil, sandy loam, 3d rate; and rocky 3d rate.

Timber, scattered scrub juniper.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

West Boundary of T. 43 S., R. 17 E.

From the cor. of Tps. 41 and 42 S., Rs. 16 and 17 E.,
which is an iron post 3 ins. in diam., extending 9 in
above ground, firmly set and marked and witnessed
as described in notes of T. 41 S., R. 17 E.

South on random line, along west boundary of town-
ship, setting temporary $\frac{1}{4}$ and section corners at
intervals of 40.00 and 80.00 chs., and at

40.00

Intersect the south boundary of the township 40
E. of the temporary corner of Tps. 43 and 43 S.,
Rs. 16 and 17 E. At point of intersection I

Set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in the ground, for cor. of Tps. 42 and 43 S., Rs. 16 and 17 E., with brass cap marked

T 43 S
R 16E R 17E
S 36 | S 31
S 1 | S 6
T 43 S
1924

from which

A pinon pine, 8 ins. diam., bears S. 15° E. 335 lbs. dist., marked T 43 S R 17 E S 6 B T

A juniper, 10 ins. diam., bears N. 7° 45' W. 362 lbs. dist., marked T 42 S R 16 E S 36 B T

No other bearing trees within limits; deposit a sandstone 6 x 4 x 4 ins. marked with a (X) cross at base of post.

Thence

North on true line long W. city. of township, between Secs. 31 and 36,

Over broken mesa; through scattered timber and undergrowth.

13.60 Top of ledge 10 ft. high, 20 ft. above township corner, bears N. 60° E. and S. 30° W.

40.00 On broken mesa.

Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 36 | S 31
1924.

from which

A juniper 14 ins. diam., bears N. 47° 30' E. 151 lbs. dist., marked $\frac{1}{4}$ S 31 B T

A juniper 14 ins. diam., bears N. 29° W. 110 lbs. dist., marked $\frac{1}{4}$ S 36 B T

45.00 Leave scattered timber, bearing E. and W.

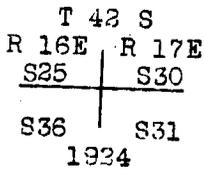
Leave broken mesa; enter rolling mesa.

50.00 Shallow wash draining SW.

55.00 On rolling mesa,

Chains.

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 25, 30, 31, and 36, with brass cap marked



Deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rolling and broken mesa.

Soil, sandy loam, 2d rate; rocky 3d rate.

Timber, scattered juniper on south 45.00 chs.; none on balance of mile.

Undergrowth, black brush, amole plant, and mountain rush.

Fair grazing.

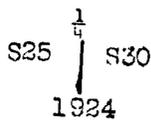
North bet. secs. 25 and 30,

Over rolling mesa; through scattered growth of low desert brush and grass.

40.00

On rolling mesa,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 4 x 3 x 2 ins., marked with a (X) cross at base of post.

No other accessories available.

42.00

Old wood road, bears N. 60° E. and S. 60° W.

80.00

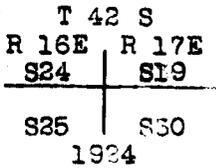
On rolling mesa,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 19, 24, 25, and 30,

West Boundary of T. 42 S., R. 17 E.

Chains.

with brass cap marked.



Deposit a sandstone 6 x 4 x 3 ins. marked with a (X)
cross at base of post. No other accessories available.

Land, rolling mesa.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

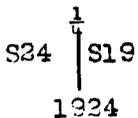
North between Secs. 19 and 24,

Over rolling mesa; through scattered growth of low
desert brush.

37.50 Road to Organ Rock bears E. and W.

40.00 On rolling mesa,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins.
in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 5 x 5 x 3 ins., marked with a (X)
cross at base of post.

No other accessories available.

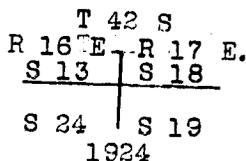
45.00 Enter thinly scattered timber bearing E and W.

74.50 Wood road bears NW. and SE.

80.00 On rolling mesa,

Set an iron post 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 13, 18, 19, and 24, with
brass cap marked

Chains.



from which

A pinon pine 10 ins. diam., bears S. 65° W. 45 lks. dist., marked T 42 S R 16 E S 24 BT

A juniper 3 ins. diam., bears N. 82° W. 37711k dist., marked T 42 S R 16 E S 13 BT

No other bearing trees within limits; deposit a sa-
stone 10 x 8 x 4 ins., marked with a cross (X) at ba-
of post.

Land, rolling mesa.

Soil, sandy loam, 2d rate.

Timber scattered juniper and pinon pine along last
35.00 chs. of mile.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

North between Secs. 13 and 18,

Over broken land; through thinly scattered scrub timbe
and scattered undergrowth.

10.90 Base of ascent bears NE. and SW.

Ascend steep rocky SE. slope.

14.80 Break of Douglas Mesa, 100 ft. above base, bears NE. and

SW. Continue slight ascent, over rolling SE. slope.

Small spring, good water, bears E. about 5.00 chs.

Small storage tank in rocks.

Enter scattered timber, bearing NE. and SW.

30.00 Top of divide 50 ft. above break, bears NE. and SW.

Thence over rolling land, drainage to NW.

40.00 On rolling mesa (Douglas Mesa),

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

West Boundary T. 42 S., R. 17 E.

Cavins.

S 13 | S 18

1924

from which

A juniper 10 ins. diam., bears N. 84° 30' E. 403
lks. dist., marked $\frac{1}{2}$ S 18 BT

A juniper 12 ins. diam., bears S. 75° W. 303 lks.
dist., marked $\frac{1}{2}$ S 13 B T

Descend over rolling mesa, 110 ft. to

78580

Small ravine, drains W.

80.00

On gentle S' slope, 30 ft. above ravine,

Set an iron post, 3 ft. long, 2 ins. in diam., over cross
(X) cut on bed-rock, and supported by mound of stones,
for cor. of secs. 7, 12, 13, and 18, with brass cap
marked

T 42 S
R 16E R 17 E
S 12 | S 7
S 13 | S 18
1924

from which

A pinon pine, 8 ins. diam., bears N. 36° E. 160
lks. dist., marked T 42 S R 17 E S 7 B T

A pinon pine, 6 ins. diam., bears N. 32° W. 343
lks. dist., marked T 42 S R 16 E S 12 BT

A pinon pine 3 ins. diam., bears S. 49° 15' W.
161 lks. dist., marked B T only.

A pinon pine 3 ins. diam., bears S. 26° 15' E.
173 lks. dist., marked B T only.

Land, rolling and broken mesa.

Soil, sandy loam, 2d rate.; and rocky, 3d rate.

Timber, scattered juniper and pinon pine, north 55.20
chs. of mile.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

North between Secs. 7 and 12,

Ch ins.

Over rolling mesa; through scattered timber and under growth.

40.00 On rolling mesa,

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked

1	
S 12	S 7
1304	

from which

A juniper 10 ins. diam., bears N. 60° E. 350 lks. dist., marked $\frac{1}{2}$ S 7 B T

A juniper 12 ins. diam., bears N. 69° W. 190 lks. dist., marked $\frac{1}{2}$ S 12 B T

42.00 Break of mesa, bearing E. and W. Descend, 50 ft. to

43.00 On N. slope,

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked

T 42 S	
R 16 E	R 17 E
S 1	S 6
S 12	S 7
1024	

from which

A pinon pine, 10 ins. diam., bears N. 33° E. 258 lks. dist., marked T 42 S R 17 E S 6 B T

A juniper, 9 ins. diam., bears S. 84° 30' W. 84 lks. dist., marked T 42 S R 16 E S 12 B T

A juniper 8 ins. diam., bears N. 64° W. 128 lks. dist., marked T 42 S R 16 E S 1 B T

No other bearing trees within limits; deposit a sandstone 6 x 6 x 4 ins. marked with a (X) at base of post.

Land, rolling mesa, broken.

Soil, sandy loam 2d rate; rocky 3d rate.

Timber scattered juniper and pinon pine.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

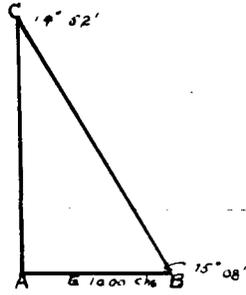
West Boundary of T. 42 S., R. 17 E.

Chains

North between Secs. 1 and 6,
Over broken land; through scattered timber and under-
growth.

Chaining impracticable, on account of high broken rim
of mesa; therefore I triangulate as follows:

I return to 77.96 chs. point on line between Secs. 7 and
12, which I designate as point "A" and measure a base
line E. 10.00 chs. to point "B". From point "B" flag
at "C" on line north bears N. 14° 52' W.; angle at
"B" measures 75° 08'



(Impracticable to measure longer base)

Distance by triangulation	37.67 chs.
Less 3.04 chs. (S. of cor.)	<u>2.04 "</u>
Distance on line	35.63 chs.

Approximate topography on line,

- 2.00 Rim of mesa, bears E. and W. Descend N. slope 300 ft.
- 5.00 Bottom of box canyon draining west. Ascend S. slope.
- 12.00 Rocky spur, 150 ft. above bottom of box canyon, pro-
jects west. Descend north slope.
- 22.00 Bottom of box canyon, 250 ft. below spur, drains W.
Ascend SW. slope.
- 35.63 Point of triangulation, on top of rim of mesa bearing
NW. and SE., 300 ft. above bottom of box canyon.
- 40.00 On rolling mesa,
Set an iron post, 3 ft. long, 1 in. in diam., over (X)
cross cut on bed-rock, and supported by mound of stones,
for 1/4 sec. cor., with brass cap marked

S 1 | S 6

1924

- Chains, from which
- A pinon pine, 2 ins.diam., bears E. 68° 35' N. 169 lks.dist., marked B T
- A pinon pine, 2 ins.diam., bears E. 47° W. 93 lks.dist., marked B T
- 80.20 Leave scattered juniper and pinon pine timber.
- 79.90 The cor.of Tps. 41 and 42 S., Rs. 16 and 17 E. hereinbefore described.
- Land, broken mesa, first half-mile; rolling mesa second half-mile.
- Timber, scattered juniper and pinon pine on S. 60.20
- Undergrowth, black brush, amole plant, and mountain rush.
- Fair grazing on north half-mile; balance too rough.

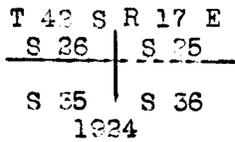
SUBDIVISION OF T. 42 S., R.17 E.

- From the cor.of secs.1, 2, 35, and 36 on S. bdy.of Tp N. 0° 01' W. between Secs.35 and 36,
- Over rolling bench land; through scattered growth of low desert brush.
- 40.00 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked
- $$\begin{array}{c} \dagger \\ \text{S } 35 \quad | \quad \text{S } 36 \\ 1934 \end{array}$$
- Deposit a sandstone 6 x 3 x 3 ins. marked with a (X) cross, at base of post.
- No other accessories available.
- 43.20 Center of large wash, 5 chs.wide, 15 ft. deep, drains S.E.
- 47.00 Road, Bluff to Moonlight, bears NW. and NE.
- 54.65 Small spring bears S. 84° W. 7.10 chs. Water contains soda and sulphur.
- 60.70 Road to Giants, bears NE. and SW.

Subdivision of T. 42 S., R. 17 E.

Chains.
80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 25, 26, 35, and 36, with brass cap marked



Deposit a sandstone 3 x 3 x 3 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam; 3d rate.

No timber.

Undergrowth, black brush, arcle plant, and mountain rush.

Fair grazing.

East, on a random line bet. secs. 25 and 36,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

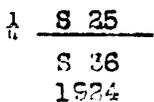
79.96 Intersect the E. edy. of Tp. at the cor. of secs. 25, 30, 31 and 36. Thence

West on true line bet. secs. 25 and 36,

Over rolling bench land; through scattered growth of low desert brush and grass.

30.10 Wash, 2 ft. deep, 15 lbs. wide, drains SW.

39.98 Set an iron post, 3 ft. long, 1 in. in diam. 14 ins. in the ground, to bed-rock, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 3 x 3 x 2 ins., marked with a (X) cross, at base of post. No other accessories available.

62.00 Shallow wash, draining SW.

67.70 Center of wash, 75 lbs. wide, 10 ft. deep, drains S. Road in wash bears N. and S.

Chains. 79.96	<p>The cor. of secs. 25, 26, 35, and 36. Land, rolling bench. Soil, sandy loam, 2d rate. No timber. Undergrowth black brush, snake plant, and mountain rush. Fair grazing.</p>
26.40	<p>N. 0° 01' W. between Secs. 25 and 26, Over rolling bench; through scattered growth of low desert brush. Wash, 30 lps. wide, 6 ft. deep, drains SE. Road in bot- tom, bears NW. and SE.</p>
40.00	<p>Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked $S\ 26 \left| \begin{array}{c} \frac{1}{4} \\ S25 \end{array} \right.$ 1924</p>
46.70	<p>Deposit a sandstone 10 x 8 x 4 ins., marked with a (X) cross, at base of post. No other accessories available.</p>
54.10	<p>Same wash, drains SW. Road bears with wash. Same wash, drains SE. Road bears with wash. Begin ascent over rocky SW. slope.</p>
65.00	<p>Break of mesa, bearing E. and W. Continue ascent over S. slope.</p>
77.50	<p>Break of mesa, bearing NE. and SW., 190 ft. above wash. Descend over rocky NW. slope, 20 ft. to</p>
80.00	<p>Near bottom of small draw, draining S. 10° W. Set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground, to bed-rock, for cor. of secs. 23, 24, 25, and 26, with brass cap marked</p>

Subdivision of T.42 S., R. 17 E.

Quins.

T 42 S, R 17 E
S 23 | S 24

S 26 | S 25
1924

Deposit a sandstone 8 x 5 x 3 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rolling bench, and broken break of mesa.

Soil, sandy loam, 2d rate; and rocky 3d and 4th rates.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

East, on a random line, between Secs.24 and 25

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.88 Intersect E. bdy.of township, 2 lfs.S.of the cor.of secs.19, 24, 25 and 30, Thence

S. 89° 59' W. on true line bet. secs.24 and 25,

Over rolling bench; through scattered growth of low desert brush.

6.50 Road, bearing northeasterly to Bluff, and southwesterly to Moonlight.

39.94 Set an iron post, 3 ft.long, 1 in.in diam.,27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 24
S 25
1924

Deposit a sandstone 8 x 8 x 4 ins., marked with a (X) cross at base of post.

No other accessories available.

44.90 Begin slight descent, over rolling bench.

50.00 Road bears northwesterly and southeasterly, to Monumental Oil Rig in Sec.23.

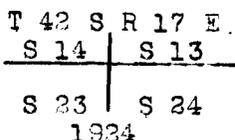
58.00 Shallow wash, draining SW.

- Chains
78.40 Break of rolling bench, bearing NE. and SW.
Descend over NW. slope, broken.
- 79.82 The cor. of secs. 23, 24, 25, and 26. 140 ft. below $\frac{1}{4}$
Land, rolling, and broken bench.
Soil sandy loam 2d rate; and rocky 3d rate.
No timber.
Undergrowth, scattered black brush, amole plant, and
mountain rush.
-
- N. 0° - 01' W. bet. Secs. 23 and 24,
Over broken land; descending over NW. slope; through
scattered growth of desert brush.
- 110 Bottom of draw, 5 ft. below section corner, drains S.
10° W. Ascend rocky SE. slope 50 ft. to
- 6.70 Break of mesa, bearing NW. and SW. Thence over rolling
mesa.
- 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in
the ground, to bed-rock, supported by a mound of
stones, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{c} \frac{1}{4} \\ S\ 23 \mid S\ 24 \\ 1924 \end{array}$$
- Deposit a sandstone 6 x 4 x 3 ins., marked with a (X)
cross at base of post.
- 41.97 Monumental Oil Rig bears N. 53° 58' W.
- 44.20 Road to oil rig bears NW. and SE.
- 50.50 Road to oil rig bears E. and W.
- 52.50 Break of mesa, bearing E. and W. Descend N. slope,
over broken land, 90 ft. to
- 57.30 Bottom of small canyon draining E. Ascend broken S.
slope, 90 ft. to
- 61.60 Sandstone ledge, 30 ft. high bears E. and NW.
- 69.80 Break of mesa, bearing NW. and E. 30 ft. above ledge.

Subdivision of T. 42 S., R. 17 E.

Chains.
89.00

Over cross (X) cut on solid rock, set an iron post, 3 ft. long, 2 ins. in diam., supported by large mound of stones, for cor. of secs. 13, 14, 23, and 24, with brass cap marked



Monumental Oil Rig bears S. 23° 23' W.

Land, rolling bench and broken mesa.

Soil, sandy, 2d rate.; and rocky 3d and 4th rates.

No timber.

Undergrowth, black brush, amcle plant, and mountain rush.

Fair grazing.

N. 89° 59' E. on a random line bet. secs. 13 and 24,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect E. bdy. of township 5 lks. N. of the cor. of Secs. 13, 18, 19, and 24.

Thence N. 89° 59' W. on true line bet. secs. 13 and 24, Over rolling mesa; through scattered desert brush.

4.10 Break of mesa, bearing NE. and SW.

Descend over broken NW. slope.

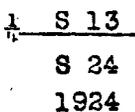
9.40 Base of steep descent; continue gradual descent, 100 ft. to

21.60 Bottom of canyon, draining NE.

Ascend over rocky SE. slope.

39.30 Sandstone ledge, 20 ft. high faces SE. Continue ascent.

39.96 Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground, to bed-rock, for $\frac{1}{4}$ sec. cor., with brass cap marked



Chains.

Deposit a sandstone 6 x 4 x 2 ins., marked with a cross at base of post.

No other accessories available.

Corner 170 ft. above bottom of canyon.

44.90 Break of mesa, 60 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.

Thence over rolling mesa.

79.92 The cor. of secs. 13, 14, 23, and 24.

Land, broken and rolling mesa.

Soil, sandy, 2d rate; and rocky 3d and 4th rates.

No timber.

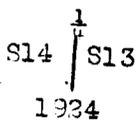
Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 02. 01' W. between Secs. 13 and 14,

Over rolling bench land; through scattered desert brush.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

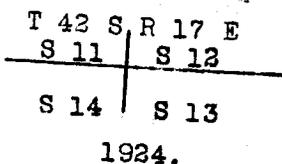


And raise a mound of stone 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high W. of cor.

55.00 Shallow wash, draining SW.

70.00 Shallow wash, draining SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, with brass cap marked



Subdivision of T. 42 S., R. 17 E.

Chains.

Deposit a sandstone 10 x 8 x 4 ins., marked with a (X) cross, at base of post. No other accessories available.

Land, rolling bench.

Soil, sandy loam 2d rate; and rocky 3d rate.

No timber.

Undergrowth scattered black brush, amole plant, and mountain rush.

Fair grazing.

S. 89° 53' E. on a random line bet. Secs.12 and 13,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.02 Intersect E. bdy. of Tp. 14 lks. N. of the cor.of secs. 7, 12, 13, and 18.

Thence

N. 89° 53' W. on true line bet. Secs.12 and 13,

Over rolling bench land; through scattered desert brush.

40.01 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 12
S 13
1924

Deposit a sandstone 8 x 6 x 3 ins., marked with a (X) cross, at base of post. No other accessories available.

49.60 Shallow wash, drains SW.

80.02 The cor.of secs.11,12,13, and 14.

Soil, sandy loam; 2d rate. Land, rolling bench.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

N. 0° 01' W. Between Secs.11 and 12,

Over rolling bench land; through scattered growth of

Chains.

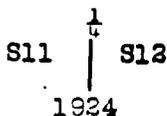
low desert, brush.

7.60

Shallow wash, draining SW.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



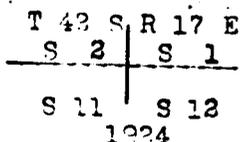
Deposit a sandstone 12 x 8 x 4 ins., marked with a (X) cross at base of post. No other accessories available.

54.30

Shallow wash, draining west.

80.00

Set an iron post, 3 ft. long, 2 ins. in diam. 27 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, with brass cap marked



Deposit a sandstone 12 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

40.00

S. 89° 53' E. on a random line between Secs. 1 and 12, Set temp. $\frac{1}{4}$ sec. cor.

80.10

Intersect E. bdy. of Tp. 7 lks. S. of the cor. of secs. 1, 6, 7 and 12.

Thence

N. 89° 56' W. on true line between Secs. 1 and 12.

Over rolling bench land; through scattered growth of

Subdivision of T. 42 S., R. 17 E.

Chains.

low desert brush.

40.05 Set an iron post, 3 ft. long, 1 in. in diam. 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 1
S 12
1924

Deposit a sandstone 7 x 5 x 4 ins., marked with a cross (X), at base of post.

No other accessories available.

43.00 Head of wash, draining N. 20° E.

80.10 The cor. of secs. 1, 2, 11, and 12 .

Land, rolling bench.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 0° 01' W. between Secs. 1 and 2, on random line,

40.00 Set temp, $\frac{1}{4}$ sec. cor.

80.08 Intersect N. bdy. of Tp. 9 lks. W. of the cor. of Secs. 1, 2, 35, and 36, an iron post, 2 ins. diam. marked and witnessed as described in notes of T. 41 S. R. 17 E. Thence

S. 0° 03' W. on true line between Secs. 1 and 2,

Over rolling bench land; through scattered desert brush.

40.08 Set an iron post, 3 ft. long, 1 in. in diam. 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 2 $\frac{1}{4}$ S 1
1924

Deposit a sandstone 5 x 5 x 2 ins., marked with a (X) cross at base of post.

No other accessories available.

Chains.
80.08

The cor. of secs. 1, 2, 11, and 12.

Land, rolling bench.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

From the cor. of secs. 2, 3, 34, and 35 on the S. bdy. the township,

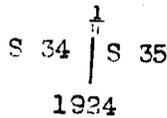
N. 0° 01' W. between Secs. 34 and 35,

Over rolling bench land; through scattered growth of low desert brush.

23.00 Wash, 2 ft. deep, 15 lks. wide, drains NE.

35.00 Wash, 3 ft. deep, 10 lks. wide, drains NE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked



Deposit a sandstone 10 x 6 x 4 ins., marked with a (X) cross at base of post.

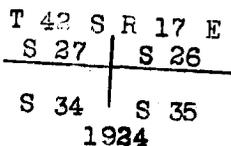
No other accessories available.

69.70 Center of wash, 80 lks. wide, 4 ft. deep, drains N. 80°

Road in bottom, bearing N. 80° E. to Bluff and S. 80°

W. to Moonlight.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground, to bed-rock, supported by mound of stones for cor. of secs. 26, 27, 34, and 35, with brass cap marked



Deposit a sandstone 10 x 6 x 4 ins., marked with a (X)

Subdivision of T. 43 S., R. 17 E.

Chains

cross at base of post.
 No other accessories available.
 Land, rolling bench.
 Soil, sandy loam, 2d rate; and rocky 3d rate.
 No timber.
 Undergrowth, scattered black brush, and amole plant.
 Fair grazing.

East on a random line bet. Secs.26 and 35,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.90 Intersect N. and S. line 2 lks.S.of the cor.of Secs.
 25, 26, 35, and 36. Thence

S. $89^{\circ} 59'$ W. on a true line between Secs.26 and 35,
 Over rolling bench land; through scattered growth of
 desert brush.

8.40 Wash, 3 ft. deep, 15 lks.wide, drains S.

39.95 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in
 the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 26
 S 35
 1934

Deposit a sandstone 8 x 8 x 3 ins., marked with a (X)
 cross, at base of post.

No other accessories available.

56.60 Wash, 20 lks.wide, 7 ft.deep, drains SE.

79.90 The cor.of Secs.26, 27, 34, and 35.

Land, rolling bench.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, and amole plant.

Fair grazing.

Chains.

N. 0° 01' W. between Secs. 26 and 27,
 Over rolling bench land; through scattered growth of
 desert brush.

23.50 Wash, 2 ft. deep, 6 lks. wide, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S 27 | S 26

1924

Deposit a sandstone 5 x 4 x 2 ins., marked with a (X)
 cross, at base of post.

No other accessories available.

54.10 Wash, 2 ft. deep, 10 lks. wide, drains SE.

65.00 Sandstone ledge, 20 ft. high faces south.

75.00 Base of ascent, bears E. and W. Leave rolling bench
 ascend S. slope over point of rocky spur.

80.00 On top of rocky spur, 170 ft. above base of ascent, pro-
 jecting E.

Set an iron post, 3 ft. long, 2 ins. in diam. over cross
 (X) cut on solid rock; post supported by large mound
 of stones, for cor. of secs. 22, 23, 26, and 27, with
 brass cap marked

T 42 S R 17 E
 S 22 | S 23

S 27 | S 26
 1924

Land, rolling bench, and broken land.

Soil, sandy loam, 2d rate; and rocky 3d and 4th rates.

No timber.

Undergrowth, scattered black brush, amole plant, and
 mountain rush.

Fair grazing.

N. 99° 59' E. on random line between Secs. 23 and 26,

Subdivision of T. 42 S., R. 17 E.

- Chains.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 79.78 Intersect N. and S. line at the cor.of secs.23, 24, 25,
and 26. Thence
S.89° 59' W. on true line between Secs.23 and 26,
Over broken land; through scattering desert brush; de-
scending NW. slope.
- .20 Draw, 10 ft. below sec.corner, drains S. 10° W. Ascend
rocky E. slope.
- .90 Small spur, 20 ft. above draw, projects S. Descend over
west slope, 120 ft. to
- 7.30 Base of descent, bearing N. and S. Thence over rolling
land.
- 7.80 Center of wash, 1.00 ch.wide, 15 ft.deep, drains S.
Road in bottom of wash, bearing N. and S. Ascend over
rolling land.
- 38.00 Base of broken land, bearing NW. and SE.; ascend over
broken NW. slope, 50 ft. to
- 39.89 Set an iron post, 3 ft.long, 1 in.in dia., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked
 $\frac{1}{4}$ S 23
S 26
1924
- Deposit a sandstone 5 x 4 x 3 ins., marked with a (X)
cross, at base of post.
No other accessories available.
- 50.00 Small spur, 60 ft. above $\frac{1}{4}$ sec.cor., projects N.
Descend W. slope, 20 ft. to
- 52.40 Head of small draw, draining N.
Ascend E. slope 60 ft. to
- 59.30 Small spur, projecting N. from main spur. Continue
ascent along top of main spur, 50 ft. to
- 67.60 Saddle in main spur, bears NW. and SE.
Descend over SW. slope, 20 ft. to
- 69.20 Head of small draw, draining SE. Ascend E. slope.
- 79.78 The corner of Secs.22, 23, 26, and 27, on top of spur,

Chains.

90 ft. above draw.

Land, broken, and rolling.

Soil, sandy loam 2d rate; and rocky 3d rate.

No timber.

Undergrowth, scattered black brush, amole, and mount
rush.

Fair grazing.

N. 0° 01' W. between Secs. 22 and 23,

Over broken land; through scattered desert brush; de-
scending over N.E. slope, over series of small sand-
stone ledges.

21.30 Wash, 4 ft. deep, 30 lks. wide, 160 ft. below sec. corne
draining E.; at base of descent bearing W. and SE.
Thence over rolling land; along gentle E. slope.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 22 | $\frac{1}{4}$ | S 23

1924

Deposit a sandstone 6 x 4 x 3 ins., marked with a (X)
cross, at base of post. No other accessories available.

43.00 Shallow wash, draining E. Ascend gently.

54.90 Low spur, 30 ft. above wash, projects E. Descend gent-
ly.

70.10 Road, bearing E. and W., in bottom of wash 5 ft. deep,
30 lks. wide, draining NW.; 25 ft. below spur.

73.00 Shallow wash, draining E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 14, 15, 22, and 23, with
brass cap marked

T 42 S R 17 E

S 15 | S 14

S 22 | S 23

1924

Subdivision of T. 42 S., R. 17 E.

Chains. Deposit a sandstone 4 x 3 x 2 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, broken and rolling.

Soil, sandy loam, 2d rate; and rocky 3d and 4th rates.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

40.00 N. 89° 59' E. on a random line between Secs.14 and 23, Set temp. $\frac{1}{4}$ sec.cor.

79.82 Intersect N. and S. line at the cor.of secs.13,14, 23, and 24.

Thence

S. 89° 59' W. on true line between Secs.14 and 23, Over broken land; through scattered desert brush.

.90 Break of mesa, bearing N. and S. Descent west slope 30 ft. to

2.10 Base of descent, bearing N. and S. Thence over rolling mesa.

10.30 Shallow wash, draining S. 30° E.

20.70 Break of mesa, bearing N. and S. Descend over west slope 130 ft. to

29.80 Base of descent bearing N. and S. Thence over rolling land.

39.91 Set an iron post, 3 ft.long, 1 in.in diam. 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 14
S 23
1924

Deposit a sandstone 4 x 3 x 2 ins., marked with a (X) cross, at base of post.

No other accessories available.

- Chains.
 44.00 Wash, 20 lks.wide, 5 ft.deep, drains S. 15° W.
 48.10 Road, bearing N. and S.
 60.40 Wash, 40 lks.wide, 15 ft. deep, drains S. 10° E.
 68.50 Shallow wash, draining SE.
 79.82 The cor.of secs.14,15, 22, and 23.
 Land, broken, and rolling.
 Soil, sandy loam, 2d rate; and rocky, 3d rate.
 No timber.
 Undergrowth, scattered black brush, amole plant, and
 mountain rush.
 Fair grazing.

N. 0° 01' W. between Secs.14 and 15,
 Over rolling land; through scattered growth of desert
 brush; along gentle E. slope.

- 11.00 Wash, 4 ft.deep, 15 lks.wide, drains SE.
 21.50 Road, bears NW. and SE.
 28.30 Wash, 3 ft.deep, 30 lks.wide, drains SE.
 40.00 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in
 the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$
 S 15 | S 14
 1934

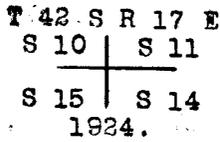
Deposit a sandstone 6 x 4 x 2 ins., marked with a (X)
 cross, at base of post.

No other accessories available.

- 62.10 Head of wash, draining SE. Ascend gradual SE.slope.
 80.00 On point of low spur projecting E., 70 ft. above $\frac{1}{4}$ sec.
 cor.
 Set an iron post, 3 ft.long, 2 ins.in diam., 14 ins.in
 the ground, to bed-rock, and supported by a mound of
 stones, for cor.of secs.10,11,14, and 15, with brass
 cap marked

Subdivision of T. 42 S., R. 17 E.

Chains.



Deposit a sandstone 16 x 12 x 4 ins., marked with a (X) cross at base of post.

No other accessories available.

Land, rolling.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 89° 59' E. on a random line bet. secs. 11 and 14,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.70 Intersect N. and S. line 16 lks. N. of the cor. of secs. 11, 12, 13, and 14. Thence

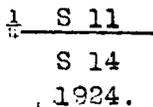
N. 89° 54' W. on true line bet. Secs. 11 and 14,

Over rolling land; through scattered growth of desert brush.

6.70 Shallow wash, draining S. 20° W.

Descend over very gentle SW. slope, 100 ft. to

39.85 Set an iron post, 3 ft. long, 1 in. in diam., 27 in. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Raise a mound of stones, 2 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high N. of cor.

56.20 Wash, 30 lks. wide, 4 ft. deep, draining SW.

57.20 Old road, bears NW. and S.

Ascend gently over point of low spur, projecting E.

79.70 The cor. of secs. 10, 11, 14, and 15, 40 ft. above road.

Land, rolling.

Chains.

Soil, sandy loam 2d rate; and rocky 3d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 0° 01' W. between Secs. 10 and 11,

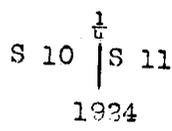
Over rolling bench land; through scattered desert brush

2.20 Begin descent from top of short spur; along E. slope.

15.00 Old road bearing NW. and SE.

38.70 Wash, 3 ft. deep, 15 lks. wide, drains SE.

40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

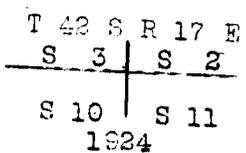


Deposit a sandstone 6 x 6 x 5 ins., marked with a (X) cross, at base of post.

No other accessories available.

79.00 Wash, 5 ft. deep, 30 lks. wide, drains E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, with brass cap marked



Deposit a sandstone 8 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam, 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush. Fair grazing.

Subdivision of T. 42 S., R. 17 E.

Chains.

- S. 89° 51' E. on a random line bet. Secs. 2 and 11,
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 79.64 Intersect N. and S. line 2 lks. N. of the corner of Secs. 1, 2, 11, and 12. Thence
- N. 89° 57' W. on a true line between Secs. 2 and 11
- Over rolling bench land; through scattered growth of desert brush.
- 39.82 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked
- $\frac{1}{4}$ S. 2
- S 11
- 1924
- Deposit a sandstone 6 x 4 x 4 ins., marked with a (X) cross, at base of post.
- No other accessories available.
- 52.10 Wash, 2 ft. deep, 10 lks. wide, drains SW.
- 69.30 Wash, 2 ft. deep, 10 lks. wide, drains S. 15° E.
- 79.64 The corner of Secs. 2, 3, 10, and 11.
- Land, rolling bench.
- Soil, sandy loam; 2d rate.
- No timber.
- Undergrowth, scattered black brush, amole plant, and mountain rush.
- Fair grazing.

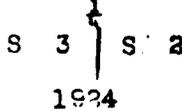
- N. 0° 03' E. on a random line between Secs. 2 and 3,
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.08 Intersect N. bdy. of Tp. 40 lks. E. of the cor. of Secs. 2, 3, 34, and 35, which is an iron post, 2 ins. diam., extending 9 ins. above ground, firmly set, marked and witnessed as described in notes of T. 41 S., R. 17 E.
- Thence
- S. 0° 14' E. on true line bet. secs. 2 and 3,

Chains.

Over rolling bench; through scattered brush.

30.10 Shallow wash, draining SW.

40.08 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Deposit a sandstone 5 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

57.00 Wash, 3 ft. deep, 10 lbs. wide, drains S. 30° E.

30.08 The cor. of secs. 3, 3, 10, and 11.

Land, rolling bench.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

From the cor. of secs. 3, 4, 33 and 34, on S. bdy. of Tp. N. 0° 02' W. bet. secs. 33 and 34,

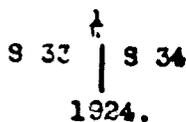
Over rolling bench; through scattered desert brush.

31.70 Center of wash, 3.00 chs. wide, 20 ft. deep, draining

East. Feed in wash, bearing E. & W. Moonlight to Bluff

36.10 Shallow wash draining SE.

40.08 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked



Deposit a sandstone 14 x 8 x 4 ins., marked with a (X) cross, at base of post.

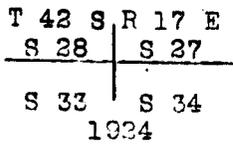
No other accessories available.

72.00 Wash, 50 lbs. wide, 10 ft. deep, draining E.

Subdivision of T. 42 S., R. 17 E.

Chains.
80.00

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 27, 28, 33, and 34, with brass cap marked



Deposit a sandstone 12 x 8 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling bench.

Soil, sandy loam; 3d rate.

No timber.

Undergrowth, scattered growth of black brush, amole plant, and mountain rush.

Fair grazing.

East between Secs. 27 and 34, on random line,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

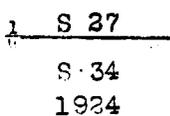
80.00 Intersect N. and S. line at the corner of Secs. 26, 27, 34 and 35. Thence

West on true line between Secs. 27 and 34,

Over rolling bench land; through scattered growth of desert brush.

18.60 Wash, 20 lks. wide, 4 ft. deep, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam. 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 12 x 8 x 4 ins., marked with a (X) cross, at base of post.

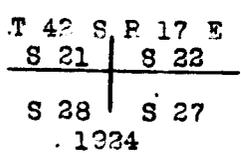
No other accessories available.

43.60 Wash, 25 lks. wide, 5 ft. deep, drains SE.

Chains.	
60.00	Shallow wash, draining SE.
76.40	Wash, 20 lks. wide, 15 ft. deep, draining SE.
80.00	The cor. of secs. 27, 28, 33, and 34.
	Land, rolling bench.
	Soil, sandy loam; 2d rate.
	No timber.
	Undergrowth, scattered black brush, amole plant, and mountain rush.
	Fair grazing.
	N. 0° 03' W. between Secs. 27 and 28, Over rolling bench; through scattered desert brush.
10.00	Wash, 20 lks. wide, 10 ft. deep, drains SE.
38.00	Base of ascent, bearing E. and W. Ascend over rocky S. slope. Leave bench, enter broken land, bearing E. and W.
40.00	60 ft. above base of ascent Set an iron post, 3 ft. long, 1 in. in diam. 14 ins. in the ground, to bed-rock, supported by mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \uparrow \\ \text{S } 28 \mid \text{S } 27 \\ 1924 \end{array}$
	Deposit a sandstone 10 x 6 x 4 ins., marked with a (X) cross, at base of post.
	No other accessories available.
	Corner set at base of sandstone ledge 20 ft. high facing S. Ascend over same.
54.80	Break of mesa, bearing E. and W., 240 ft. above $\frac{1}{4}$ sec. cor. Thence over rolling mesa.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 21, 22, 27, and 28, with brass cap marked

Subdivision of T. 42 S., R. 17 E.

Chains.



Deposit a sandstone 10 x 8 x 6 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling bench, and broken land.

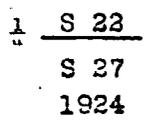
Soil, sandy loam 2d rate; and rocky 3d and 4th rates.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain-rush.

Fair grazing.

- 40.00 East on a random line bet. secs. 22 and 27, Set temp. $\frac{1}{4}$ sec. cor.
- 79.96 Intersect N. and S. line 2 lks. S. of the cor. of secs. 22, 23, 26, and 27. Thence S. $89^{\circ} 59'$ W. on true line bet. secs. 22 and 27, Over broken land; through scattered growth of desert brush.
- 1.70 Descend over SW. slope, 70 ft. to
- 4.70 Head of small draw, draining S. Ascend over SE. slope.
- 12.90 Top of ascent, bearing NE. and SW., 130 ft. above draw. Thence along top of large spur, projecting E., ascending gently, 50 ft. to
- 39.98 Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground, to bed-rock, for $\frac{1}{4}$ sec. cor., with brass cap marked



- Chains. Deposit a sandstone 4 x 4 x 3 ins., marked with a (X) cross, at base of post.
 No other accessories available.
 Ascend gently.
- 40.86 Break of mesa, 20 ft. above $\frac{1}{4}$ sec.cor., bears NE. and SW. Thence over rolling land.
- 79.96 The cor.of secs.21, 22, 27, and 28.
 Land, broken; and rolling mesa.
 Soil, sandy loam, rocky, 2d and 3d rates.
 No timber.
 Undergrowth, scattered black brush, amole plant, and mountain rush.
 Fair grazing.
-
- N. 0° 02' W. between Secs.21 and 22,
 Over rolling mesa; through scattered growth of desert brush.
- 40.00 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked
- $$\begin{array}{c}
 \frac{1}{4} \\
 | \\
 \text{S } 21 \quad \text{S } 22 \\
 1924
 \end{array}$$
- Deposit a sandstone 4 x 4 x 3 ins., marked with a (X) cross, at base of post.
 No other accessories available.
- 41.40 Break of mesa, bearing E. and W. Descend rocky N.slope over broken land.
- 43.60 Draw, draining E., 100 ft. below break of mesa.
 Road in bottom of draw, bearing E. and W. Ascend over rocky S. slope.
- 46.40 Break of mesa bearing E. and W., 60 ft. above draw.
 Thence over rolling mesa.
- 80.00 Set an iron post, 3 ft.long, 2 ins.in diam., 27 ins.in the ground, for cor.of secs.15, 16, 21, and 22, with

Chains

brass cap marked

T 43 S	R 17 E
S 16	S 15
S 21	S 22
1924	

Deposit a sandstone 8 x 4 x 2 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, broken, and rolling mesa.

Soil, sandy loam, 2d rate, and rocky 3d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

40.00

N. 89° 59' E. on a ranch line bet. secs. 15 and 22, Set top, $\frac{1}{4}$ sec. cor.

79.98

Intersect N. and S. line 3 1/2 fs. S. of the cor. of secs. 14, 15, 22, and 23. Thence

S. 83° 58' W. on true line bet. secs. 15 and 22,

Over rolling land; ascending gently through scattered growth of desert brush.

10.50

Base of abrupt ascent, bearing NE. and SW.

Ascend over SE. slope, over broken land.

35.00

Break of mesa, bearing NE. and SW., 100 ft. above base of ascent; thence over rolling mesa.

39.99

Set an iron post, 3 ft. long, 1 in. in diam., 1 1/2 ins. in the ground, to bed-rock, supported by a mound of stones, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S 15
	S 22
1924	

Deposit a sandstone 8 x 4 x 8 ins., marked with a (X) cross, at base of post.

No other accessories available.

Chains
79.98

The cor. of secs. 15, 16, 31, and 32.
Land, rolling mesa; rolling and broken land.
Soil, sandy loam 2d rate; rocky, 3d and 4th rates.
No timber.
Undergrowth, black brush, amole plant, and mountain
rush.
Fair grazing.

N. 0° 02' W. between Secs. 15 and 16,
Over rolling mesa; through very scattered growth of
scrub timber and undergrowth.

6.80 Wash, 20 lks. wide, 4 ft. deep, drains S. 80° E.
21.00 Shallow wash, draining SE.
24.30 Shallow wash, draining SE. Ascend gently.
40.00 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S 16 | S 15
 1934

from which

A juniper tree, 10 ins. diam., bears N. 3° E.
170 lks. dist., marked $\frac{1}{4}$ S 15 B T

No other bearing tree within limits; deposit a sand-
stone 4 x 4 x 3 ins., marked with a (X) cross, at
base of post. Corner is 35 ft. above wash.

49.00 Old road, bearing E and W.
65.60 Wash, 4 ft. deep, 10 lks. wide, drains SE.
80.00 45 ft. above wash,
Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 9, 10, 15, and 16, with
brass cap marked

T 42 S R 17 E
S 9 | S 10
 S 16 | S 15
 1934

from which

Chain

A juniper tree, 4 ins.in diam., bears N. 61° 30'
E. 545 lks.dist., marked B T only.

A juniper tree, 4 ins.diam., bears S. 3° E. 284
lks.dist., marked B T only.

A juniper tree, 4 ins.in diam., bears S. 25° W.
240 lks.dist., marked B T only.

A juniper tree, 4 ins.in diam., bears N. 62° 30'
W. 345 lks.dist., marked B T only.

Land, rolling bench.

Soil, sandy loam; 2d rate.

Timber, scattered growth of scrub juniper.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

40.00 N. 89° 58' E. on a random line between Secs.10 and 15
Set temp. $\frac{1}{4}$ sec.cor.

80.08 Intersect N. and S. line 9 lks. N. of the cor.of secs.
10,11,14, and 15. Thence

N. 89° 58' W. on a true line between Secs.10 and 15,

Ascending over broken E. slope; through scattered growth
of desert brush, 40 ft. to

5.00 Top of ascent. Break of rolling mesa, bearing N. and S.
Thence over mesa.

40.04 Set an iron post 3 ft. long, 1 in. in diam., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 10
S 15
1924

Deposit a sandstone 5 x 4 x 3 ins., marked with a (X)
cross, at base of post.

No other accessories available.

Small sulphur and alkaline spring bears S. 5° 19' W.
28.12 chs.dist.

Chains.
 76.00 Enter scattered scrub juniper timber, bearing N. and
 80.08 The cor. of secs. 9, 10, 15, and 16.
 Land, broken, and rolling mesa.
 Soil, sandy loam 2d rate; and rocky 3d rate.
 Timber, scattered scrub juniper near section corner
 Undergrowth, scattered black brush, amole plant, and
 mountain rush.
 Fair grazing.

N. 0° 02' W. between Secs. 9 and 10,
 Over rolling mesa; through scattered scrub timber and
 desert brush.
 20.00 Timber becomes very scattered.
 40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S	9	|	S	10
1934.				

Deposit a sandstone 8 x 5 x 4 ins., marked with a (X)
 cross, at base of post.
 No other accessories available.
 Indian hogan bears N. 69° 30' W.
 55.00 Indian hogan bears S. 55° W.
 62.90 Old road to hogans, bears NW. and SE.
 72.00 Sandstone ledge, 20 ft. high faces S.
 79.80 Wash, 5 lbs. wide, 3 ft. deep, drains SE.
 80.00 Set an iron post, 3 ft. long, 2 ins. in diam., over (X)
 cross chiseled on solid rock, and supported by large
 mound of stones, for cor. of secs. 3, 4, 9, and 10, with
 brass cap marked

T 42 S R 17 E				
S	4	|	S	3

S	9	|	S	10
1934				

from which

Subdivision of T. 42 S. R. 17 E.

Chains

1A juniper tree, 6 ins. in diam., bears S. 12° 30' W. 46 lks. dist., marked T42S R17E S 9 BT

No other bearing tree within limits.

Land, rolling mesa.

Soil, sandy loam, 2d rate; rocky, 3d and 4th rates.

Timber, very scattered scrub juniper.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

S. 89° 58' E. on a random line bet. secs. 3 and 10,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect N. and S. line at the corner of Secs. 2, 3, 10, and 11. Thence

N. 89° 58' W. on a true line bet. secs. 3 and 10,

Over rolling mesa; through scattered growth of desert brush.

3.70 Wash, 7 ft. deep, 10 lks. wide, drains SE.

6.70 Same wash, draining NE.

20.10 Same wash, drains SE.

40.05 Set an iron post, 7 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 3
S 10
1924

Deposit a sandstone 5 x 5 x 2 ins., marked with a (X) cross, at base of post.

No other accessories available.

54.40 Wash, 5 lks. wide, 4 ft. deep, draining SE.

71.30 Wash, 5 lks. wide, 3 ft. deep, draining SE.

80.10 The cor. of secs. 3, 4, 9, and 10.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

No timber.

Chains.	Undergrowth, scattered black brush, amole plant, and mountain rush. Fair grazing.
40.00	N. 0° 14' W. on a random line bet. secs. 3 and 4, Set temp. $\frac{1}{4}$ sec. cor.
80.10	Intersect N. bdy. of Tp. 7 lks. E. of the cor. of secs. 3, 4, 33, and 34, which is an iron post, 2 ins. in diam. firmly set, and marked and witnessed as described in notes of T. 41 S., R. 17 E. Thence S. 0° 17' E. on true line between Secs. 3 and 4, Over, broken land; east breaks of the Douglas Mesa; through scattered timber and undergrowth.
1.40	Break of Douglas Mesa, bears NE. and SW. Descend over rocky SE. slope of mesa, 40 ft. to
6.40	Head of draw draining E. Ascend over NE. slope.
11.40	Break of Douglas Mesa bears NW. and SE. Ascend gently
14.30	Spur, projecting E. Descend over S. slope 160 ft. to
18.00	Draw, draining E. Ascend over N. slope.
28.00	Spur, projecting E., 160 ft. above draw. Descend abruptly, over rocky SE. slope.
40.10	200 ft. below spur, Set an iron post, 3 ft. long, 1 in. in diam. over (X) chiseled on exposed bed-rock, post supported by large mound of stones, for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{c} \frac{1}{4} \\ S \ 4 \ | \ S \ 3 \\ 1224 \end{array}$
	Continue descent 100 ft. to
50.60	Base of descent bearing E. and W. Thence over rolling mesa.
60.50	Shallow wash, drains E.
80.10	The cor. of secs. 3, 4, 9, and 10.

Subdivision of T. 42 S., R. 17 E.

Chains

Land, broken east breaks of Douglas Mesa; and rolling mesa.

Soil, sandy loam, 2d rate; and rocky 3d and 4th rates.

Timber, very scattered growth of juniper and pinon pine.

Undergrowth, scattered blackbrush, ankle plant, and mountain rush.

Poor grazing.

From the corner of Secs. 4, 5, 32, and 33, on the S. bdy. of the township,

N. 0° 03' W. between Secs. 32 and 33,

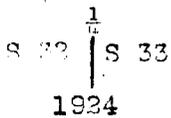
Ascending gently over SE. slope; through scattered scrub timber and desert brush.

19.70 Point of low spur, 40 ft. above section corner, projects E.

Descend very gentle N. slope, over point of spur.

40.00 30 ft. below spur,

Set an iron post, 1 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked



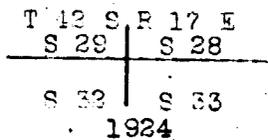
Deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross, at base of post.

No other accessories available.

50.00 Wash, 4 ft. deep, 8 lks. wide, drains E.

62.70 Wash, 20 ft. deep, 30 lks. wide, drains E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 28, 29, 32, and 33, with brass cap marked



from which

Chains.

A juniper tree, 10 ins.in diam., bears N. 14° 45' E. 254 lks.dist., marked T42S R17E S28

A juniper tree, 10 ins.in diam., bears N. 67° 25' E. 225 lks.dist., marked T42S R17E S29 BT

No other bearing trees within limits; deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross, at base of post.

Land, rolling mesa.

Soil, sandy loam; 3d rate.

Timber, scattered juniper.

Undergrowth, scattered black brush, mountain rush, and amole plant.

Fair grazing.

East on a random line bet. secs.28 and 33,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

72.22 Intersect N. and S. line 5 lks.N.of the cor.of secs.28, 33, and 34. Thence

N. 89° 53' W. on true line bet. secs.28 and 33,

Over rolling mesa; through scattered scrub timber and desert brush.

39.26 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 28
S 33
1924

Deposit a sandstone 5 x 8 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

41.00 Wash, 30 lks.wide, 5 ft.deep, drains SE.

72.32 The cor.of secs.28, 29, 32, and 33.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

Timber, scattered scrub juniper.

Undergrowth, scattered black brush, mountain rush, and

Subdivision of T. 42 S., R. 17 E.

Chains. arcle plant. Fair grazing.

N. 0° 03' W. between Secs. 28 and 29,

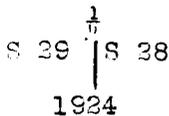
Over rolling mesa; through scattered timber and undergrowth.

5.70 Wash, 10 lks. wide, 4 ft. deep, drains E.

14.10 Wash, 36 lks. wide, 15 ft. deep, drains E. Leave timber bearing E. and W.

28.50 Wash, 30 lks. wide, 10 ft. deep, drains SE.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., over (X) cross chiseled on exposed bed-rock, for $\frac{1}{4}$ sec. cor. Post supported by large mound of stones; brass cap marked

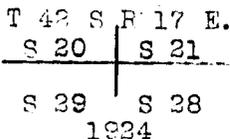


43.60 Shallow wash, draining S. 10° E.

60.50 Base of steep rocky S. slope, bearing E. and W. Leave rolling mesa; thence over broken land.

73.00 Break of mesa, bearing E. and W., 200 ft. above base of slope. Thence over rolling mesa.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 20, 21, 28, and 29 with brass cap marked



Deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, broken, and rolling mesa.

Soil, sandy loam; 2d rate.

Timber, scattered scrub juniper along first 14.10 chs.

Chains.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

- S. 89° 58' E. on a random line bet. secs. 21 and 28,
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.88 Intersect N. and S' line at the corner of secs. 21, 27 and 28. Thence
 N. 89° 58' W. on true line bet. secs. 21 and 28,
 Over rolling mesa; through scattered desert brush.
 4.00 Head of shallow wash, draining S.
 11.00 Shallow wash, draining S.
 23.10 Shallow wash, draining S. 20° E.
 29.80 Head of shallow wash, draining SE.
 39.94 Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 21
 S 28
 1924

Deposit a sandstone 7 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

- 79.88 The cor. of secs. 20, 21, 28, and 29.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 0° 03' W. bet. secs. 20 and 21,

Over rolling bench land; through scattered desert brush

subdivision of T. 42 S., R. 17 E.

Chains
14.60

Wood road, bears NE. and SW.

18.10

Center of wash, 30 lks. wide, 10 ft. deep, drains NE.

22.00

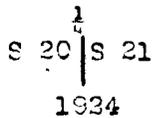
Shallow wash, draining E.

30.90

Wood road bears NW. and SE.

40.00

Set an iron post, 3 ft. long, 1 in. in diam., 37 ins. in the ground; for $\frac{1}{4}$ sec. cor., with brass cap marked



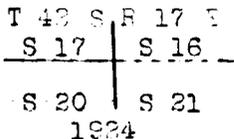
Deposit a sandstone 5 x 4 x 3 ins., marked with a (7) cross, at base of post. No other accessories available.

51.00

Wash, 3 ft. deep, 30 lks. wide, drains SE.

80.00

Set an iron post, 3 ft. long, 3 ins. in diam., 37 ins. in the ground, for cor. of secs. 16, 17, 20, and 21, with brass cap marked



Deposit a sandstone 6 x 5 x 3 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, arborescent, and mountain rush.

Fair grazing.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

79.98

Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22. Thence

N. 89° 58' W. on true line bet. secs. 16 and 21,

Over rolling mesa; through scattered desert brush.

Chains.
39.90

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. with brass cap marked

$\frac{1}{4}$ S 16

S 31

1934

Deposit a sandstone 5 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

77.50 Wash, 3 ft. deep, 15 lks. wide, drains SE.

73.88 The cor. of secs. 16, 17, 20, and 21.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 0° 03' W. bet. secs. 16 and 17,

Over rolling mesa; through scattered desert brush.

4.30 Wash, 5 ft. deep, 10 lks. wide, drains SE.

4.50 Road bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 17 | S 16

1934

Deposit a sandstone 6 x 4 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

43.00 Shallow wash, draining SE.

74.60 Shallow wash, draining E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, with brass cap marked

Subdivision of T. 42 S., R. 17 E.

Chains

T 42 S R 17 E
 S 8 | S 9
 S 17 | S 16
 1934

Deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross, at base of post.

No other accessories available.

Land, rolling mesa.

Soil, sandy; 2d rate.

No timber.

Undergrowth, scattered black brush, ardo plant, and mountain rush.

Fair grazing.

40.00

S. 89° 58' E. on a range line bet. secs. 9 and 10, set top. 1/4 sec. cor.

79.96

Intersect N. and S. line S. 1/4 S. E. of the cor. of secs. 9, 10, 15, and 16. Thence

N. 89° 56' W. on a true line bet. secs. 9 and 16,

Over rolling mesa; through scattered scrub timber and desert brush.

15.00

Wash, 30 lbs. wide, 10 ft. deep, drains SE.

25.00

Leave scattered timber, bearing N. and S.

29.00

Road, bearing N. and S.

39.98

Set an iron post, 1 ft. long, 1 in. in dia. 37 ins. in the ground, for 1/4 sec. cor., with brass cap headed

1/4 — S 9
 S 16
 1924

Deposit a sandstone 8 x 5 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

51.00

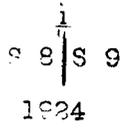
Wash, 20 lbs. wide, 4 ft. deep, drains SE.

80.00

Bend in wash, 20 lbs. wide, 5 ft. deep, drains SE. from SW.

Chains,
78.60 Same wash drains SE.
79.36 The cor. of secs. 8, 9, 16, and 17.
Land, rolling mesa.
Soil, sandy; 2d rate.
Timber, scattered juniper along eastern 25.00 chs.
Undergrowth, scattered black brush, amole plant, and
mountain rush.
Fair grazing.

N. 0° 03' W. bet. secs. 8 and 9,
Over rolling mesa; through scattered desert brush.
3.30 Wash, 2 ft. deep, 10 lks. wide, drains SE.
12.60 Wash, 3 ft. deep, 10 lks. wide, drains SE. Old road bear-
ing NE. and SW.
13.40 Leave rolling mesa, bearing NE. and SW. Ascend steep
rocky slope of Douglas Mesa; over series of sandstone
ledges and outcroppings.
23.90 Break of Douglas Mesa, bears NE. and SW., 300 ft. above
wash. Thence over mesa; through thinly scattered tim-
ber.
40.00 Set an iron post, 3 ft. long, 1 in. in diam. 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



from which
A pinon pine, 6 ins. in diam. bears N. 21° 45' E.
78 lks. dist., marked $\frac{1}{4}$ S 9 BT
A pinon pine, 10 ins. in diam., bears N. 85° 15'
W. 56 lks. dist., marked $\frac{1}{4}$ S 8 BT
51.00 Shallow wash draining SE.
80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in
the ground, for cor. of secs. 4.5.8. and 9., with
brass cap marked

Subdivision of T. 42 S.R.17 E.

Chains.

T 42 S R 17 E
 S 5 | S 4
 S 8 | S 9
 1924

from which

A juniper tree, 1 ins.in diam., bears S. 4° 45' E. 355 lks.dist., marked T42S R17E S 9 BT

No other bearing trees within limits; deposit a sandstone 10 x 6 x 4 ins., marked with a (X) cross, at base of post.

Land, rolling mesa, and broken east breaks of Douglas Mesa.

Soil, sandy, 3d rate; and rocky, 3d and 4th rates.

Timber, scattered piñon pine and juniper, along northern 50.10 chs.

Undergrowth scattered black brush, archo plant, and mountain rush.

Poor grazing.

S. 89° 56' E. on a range line bet. sec. 4 and 5,

40.00 Set top. $\frac{1}{4}$ sec.cor.

78.98 Intersect N. and S. line 2 1/2 chs.S. of the cor. of sec. 5, 4, 9, and 10. Thence

N. 89° 57' W. on a true line bet. sec. 4 and 9,

Over broken land of Douglas Mesa; through scattered desert brush.

9.00 Base of steep rocky ascent bearing N. and S.

Ascend over rocky E. slope, over sandstone ledges and outcroppings.

32.80 Break of Douglas Mesa, bearing NE. and SW., 315 ft.

above section corner. Thence over high rolling land of mesa; through scattered timber bearing NE. and SW.

39.99 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 4
 S 9
 1924

Chains

from which

A pinon pine, 8 ins. in diam., bears S. 5° W. 110
lks. dist., marked $\frac{1}{4}$ S 9 BT

A pinon pine, 6 ins. in diam., bears N. 77° 45'
W. 140 lks. dist., marked $\frac{1}{4}$ S 4 BT

Indian hogan bears NE. about 5.00 chs. dist.

72.98

The cor. of secs. 4, 5, 8, and 9.

Land, rolling, broken mesa.

Soil, sandy, 2d rate; and rocky, 3d and 4th rates.

Timber, scattered pinon pine and juniper along the western 47.20 chs.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

N. 0° 17' W. between Secs. 4 and 5, on random line.

40.00

Set temp. $\frac{1}{4}$ sec. cor.

20.14

Intersect N. bdy. of township 7 lks. E. of the cor. of secs. 4, 5, 32, and 33, which is an iron post, 3 ins. diam., firmly set and marked and witnessed as described in the notes of T. 41 S., R. 17 E. Thence

S. 0° 20' E. on true line bet. secs. 4 and 5,

Over high, rolling Douglas Mesa; through scattered timber and desert brush.

6.30

Shallow wash, draining NW., from spring SE. of line about 10.00 chs.

12.40

Shallow wash, draining NW., from spring SE. of line about 8.00 chs.

22.10

Last-named spring bears East about 5.00 chs. dist. Small stream of good clear water, course NW. Wall of stone N. and S. of spring.

20.14

Set an iron post 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

S 5 $\frac{1}{4}$ S 4
1924

Subdivision of T. 42 S., R. 17 E.

Chains

Deposit a sandstone 6 x 4 x 3 ins. marked with a (X) cross, at base of post.

No other accessories available.

80.14 The cor. of secs. 4, 5, 8 and 9

Land, high rolling mesa.

Soil, sandy, 2nd and 3rd rates.

Timber scattered juniper and pinon pine.

Undergrowth, scattered black brush, amole plant and mountain rush.

Fair grazing.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of township.

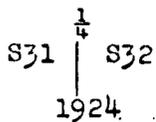
N. 0° 03' W. bet. secs. 31 and 32.

Over broken land, through scattered timber and desert brush. Ascending over broken SE. slope, over series of sandstone ledges and outcroppings.

30.00 Break of mesa bears NE and SW., 75 ft. above section cor. Continue ascent.

40.00 At top of ascent, 105 ft. above sec. cor. on E. slope.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone 6 x 4 x 2 ins. marked with a (X) cross, at base of post.

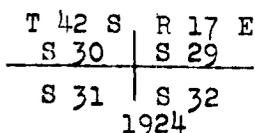
No other accessories available. Leave timber.

There are a few scattered dead trees near corner.

Descend gently, along general east slope.

61.00 Shallow wash, draining E.

80.00 Set an iron post 3 ft. long, 2 ins. in diam., 16 ins. in the ground supported by mound of stones, for cor. of Secs. 29, 30, 31 and 32, with brass cap marked



Chains	<p>Deposit a sandstone 4 x 4 x 2 ins. marked with a (X) cross, at base of post.</p> <p>No other accessories available.</p> <p>Corner 40 ft. above $\frac{1}{4}$ sec. cor.</p> <p>Land, broken.</p> <p>Soil, sandy 2d. rate; rocky 3d and 4th rates.</p> <p>Timber, scattered juniper and pinon pine along first half-mile.</p> <p>Undergrowth, scattered black brush, amole plant, and mountain rush.</p> <p>Fair grazing.</p>
40.00	<p>East on a random line bet. secs. 29 and 32.</p>
79.98	<p>Set temp. $\frac{1}{4}$ sec. cor.</p> <p>Intersect N. and S. line at the cor. of secs. 28, 29, 32 and 33, Thence</p>
18.00	<p>West, on a true line bet. secs. 29 and 32.</p> <p>Over rolling mesa, through scattered scrub timber and desert brush.</p>
21.80	<p>Wash, 30 lks. wide, 15 ft. deep, drains NE. from W.</p>
26.20	<p>Continue along same.</p>
39.99	<p>Leave wash, draining E. from NW.</p> <p>Same wash, drains NE</p> <p>80 ft. above wash,</p> <p>Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bed-rock, supported by mound of stones for $\frac{1}{4}$ sec. cor., with brass cap marked</p>
	<p style="text-align: center;">S 29 $\frac{1}{4}$ <u> </u> S 32 1924</p>
44.00	<p>Deposit a sandstone 4 x 4 x 2 ins., marked with a (X) cross, at base of post.</p> <p>No other accessories available.</p> <p>Begin ascent over steep, rocky E. slope, over series of</p>

Chains.

N. 0° 03' W. bet. secs. 29 and 30,

Over rolling mesa; through scattered growth of desert brush.

10.00 Break of mesa, bearing NW. and SE. Descend over NE. slope.

17.40 Draw, 50 ft. below break of mesa, drains NE. Wash in draw, 10 lks. wide, 5 ft. deep. Ascend rocky SE slope.

30.80 Break of mesa, 45 ft. above draw, bears NE. and SW. Thence over rolling mesa.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
 S 30 | S 29
 1924

Deposit a sandstone 5 x 5 x 4 ins., marked with a (X) cross, at base of post.

No other accessories available.

55.30 Wood road, bearing N. 30° E. and S. 60° W.

60.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, with brass cap marked

T 42 S R 17 E
 S 19 | S 20
 S 30 | S 29
 1924

Deposit a sandstone 4 x 4 x 3 ins., marked with a (X) cross, at base of post.

Land, rolling, and broken mesa.

Soil, sandy, 2d rate; and rocky, 3d and 4th rates.

No timber.

Undergrowth, scattered black brush, arcle plant, and mountain rush.

Fair grazing.

Subdivision of T. 42 S., R. 17 E.

Chains.

East on a random line bet. Secs.20 and 29,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

80.02 Intersect N. and S. line 2 lks.S.of the cor.of secs.20,
21, 28, and 29. Thence

S. 89° 59' W. on true line bet. Secs.20 and 29,
Over rolling mesa; through scattered desert brush.

35.50 Wood road, bearing NE. and SW.

40.01 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 20
S 29
1924

Deposit a sandstone 4 x 4 x 2 ins., marked with a (X)
cross, at base of post. No other accessories available.

80.02 The cor.of secs.19, 20, 29, and 30.

Land, rolling mesa.

Soil, sandy loam; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and
mountain rush. Fair grazing.

N. 89° 54' W. on a random line bet. secs.19 and 30,

40.00 Set temp. $\frac{1}{4}$ sec.cor.

79.20 Intersect west boundary of township 7 lks.S.of the cor.
of secs.19, 24, 25, and 30. Thence

S. 89° 51' E. on true line bet. secs.19 and 30,
Over rolling mesa; through scattered desert brush.

39.20 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

$\frac{1}{4}$ S 19
S 30
1924

Deposit a granite iron saucer at base of post.
No other accessories available.

63.10 Head of shallow wash, draining NE.

Chains.

79.20 The cor. of secs. 19, 20, 29, and 30.

Lead, rolling mesa.

Soil, sandy 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush. Fair grazing.

N. 0° 03' W. bet. secs. 19 and 20,

Over rolling mesa; through scattered desert brush.

13.00 Shallow wash, draining E.

37.00 Wood road, bearing NW. and SE.

41.70 Set an iron post, 3 ft. long, 1 in. in diam., 37 ins. in the ground, for sec. cor., with brass cap marked

$$\begin{array}{r} \text{S } 19 \text{ } | \text{ } \text{S } 20 \\ \hline 1974 \end{array}$$

Desert cementstone 4 x 3 x 2 ins., marked with a (X) on top, at base of post. No other accessories available.

75.10 Shallow wash, draining W.

80.00 Set an iron post, 4 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, with brass cap marked

$$\begin{array}{r} \text{T } 47 \text{ } | \text{ } \text{R } 17 \text{ } \text{E} \\ \hline \text{S } 18 \text{ } | \text{ } \text{S } 17 \\ \hline \text{S } 19 \text{ } | \text{ } \text{S } 20 \\ \hline 1974 \end{array}$$

Desert cementstone 8 x 4 x 3 ins., marked with a (X) on top, at base of post. No other accessories available.

Lead, rolling mesa.

Soil sandy; 2d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush. Fair grazing.

N. 87° 59' E. on a random line bet. secs. 17 and 20,

Subdivision of T. 42 S., R. 17 E.

- Chains.
- 40.00 Set temp. $\frac{1}{4}$ sec.cor.
- 80.02 Intersect N. and S. line 2 lks.N. of the cor.of secs.
16, 17, 20, and 21. Thence
West on true line bet. secs.17 and 20,
Over rolling mesa; through scattered desert brush.
- 4.10 Old road, bearing NE. and SW.
- 40.01 Set an iron post, 3 ft.long, 1 in. in diam., 20 ins.
in the ground, to bed-rock, supported by a round of
stones, for $\frac{1}{4}$ sec.cor., with brass cap marked
 $\frac{1}{4}$ S 17
S 20
1934
- Deposit a sandstone 8 x 6 x 4 ins., marked with a (X)
cross, at base of post.
- No other accessories available.
- 50.10 Shallow wash, draining SE.
- 80.02 The cor.of secs.17, 18, 19, and 20.
Land, rolling mesa.
Soil, sandy, 2d rate.
No timber.
Undergrowth, scattered black brush, apple plant, and
mountain rush.
Fair grazing.

-
- N. 89° 51' W. on a random line bet. secs.18 and 17,
 - 40.00 Set temp. $\frac{1}{4}$ sec.cor.
 - 79.10 Intersect west bdy.of township, 2 lks. N. of the cor.of
secs.13, 18, 19, and 24. Thence
S. 89° 52' E. on a true line bet. secs.18 and 19,
Over rolling mesa; through scattered desert brush.
 - 15.50 Road to spring in Sec.18 bears NW. and SE.
 - 39.10 Set an iron post, 3 ft.long, 1 in.in diam., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

Chains.

$\frac{1}{4}$ S 18
S 19
1934

Deposit a sandstone 4 x 4 x 3 ins., marked with a (X) cross, at base of post.

No other accessories available.

40.00 From this point a small spring, of very good water, bears N. 63° W. Small storage tank in rocks.

73.10 The cor. of secs. 17, 18, 19, and 20.

Land, rolling mesa.

Soil, sandy, 3d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mountain rush. Fair grazing.

N. 0° 03' W. bet. secs. 17 and 18,

Over rolling mesa; through scattered desert brush.

17.80 Shallow wash, draining E.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$
S 18 | S 17
1934

Raise a mound of stone 2½ ft. base, 1½ ft. high W. of cor.

44.60 Old road bearing NE. and SW.

46.00 Base of abrupt ascent bears NE. and SW. Ascend steep, rocky SE. slope, over sandstone ledges and outcroppings.

47.00 Small rocky spur, projects SE. Continue ascent.

52.50 Base of sandstone ledge, 30 ft. high, facing SE.

55.80 Break of Douglas Mesa, 220 ft. above $\frac{1}{4}$ sec. cor., bears NE. and SW.

Thence over Douglas Mesa, rolling land; through scattered timber bearing NE. and SW. Ascending gently over SE. slope, 80 ft. to

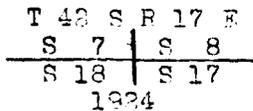
Subdivision of T. 42 S., R. 17 E.

Chains.

80.00

On main mesa:

Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap marked



from which

A pinon pine 7 ins. in diam., bears N. 54° E. 122 lbs. dist., marked T 42 S R 17 E S 8 BT

A pinon pine, 6 ins. in diam., bears S. 57° 30' E. 164 lbs. dist., marked T 42 S R 17 E S 17 BT

A pinon pine, 8 ins. in diam., bears S. 5° 18' W. 214 lbs. dist., marked T 42 S R 17 E S 18 BT

No other bearing trees within limits; deposit a sandstone 6 x 4 x 4 ins., marked with a cross (X) at base of post.

Land, rolling and broken mesa.

Soil, sandy, 2d rate.; and rocky 3d and 4th rates.

Timber, scattered pinon pine and juniper along east 24.10 chs. of line.

Undergrowth, scattered black brush, amole plant, and mountain rush.

Fair grazing.

East on a random line bet. secs. 8 and 17,

40.00

Set temp. 1/2 sec. cor.

79.98

Intersect N. and S. line 5 lbs. S. of the cor. of secs. 8, 9, 16, and 17. Trance

S. 89° 58' W. on true line bet. secs. 8 and 17

Over rolling mesa; through scattered timber and desert brush.

13.50

Old road bearing NE. and SW.

15.50

Wash, 1 ft. deep, 10 lbs. wide, drains SE.

39.99

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Chains.

the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

S 8
S 17
1924

from which

A pinon pine, 6 ins.in diam., bears N. 55° W.
59 lks.dist., marked $\frac{1}{4}$ S 8 BT

A juniper tree 13 ins.in diam., bears S. 6° 15
E. 37 lks.dist., marked $\frac{1}{4}$ S 17 BT

Corner set at base of steep rocky SE.slope.

Leave rolling mesa; ascend rocky SE. slope, over sand-

stone ledges and outcroppings, 350 ft. to

53.50 Break of Douglas Mesa, bearing NE. and SW.

Thence over rolling mesa.

73.98 The cor. of secs.7, 8, 17, and 18.

Land, rolling and broken mesa.

Soil, sandy, 2d rate., and rocky 3d and 4th rates.

Timber: scattered juniper and pinon pine.

Undergrowth, scattered black brush, amole plant, and
mountain rush.

Fair grazing.

N. 89° 58' W. on a random line bet. secs.7 and 18,

40.00 Set $\frac{1}{4}$ sec.cor.

74.10 Intersect W. div. of Tp. 4 1 $\frac{1}{2}$ lks.N. of the cor. of secs.7,
17, 18 and 18. Thence

S. 89° 54' E. on a true line bet. secs.7 and 18,

Over Douglas Mesa; through scattered timber and desert
brush.

13.10 Leave timber, bearing N. and S.

39.10 Set an iron post, 3 ft. long, 1 in.in diam., 27 ins.in
the ground, for $\frac{1}{4}$ sec.cor., with brass cap marked

S 7
S 18
1934

Deposit a sandstone 6 x 6 x 3 ins., marked with a (X)

Subdivision of T. 42 S., R. 17 E.

Chains.

cross, at base of post.

No other accessories available.

46.00 Shallow wash, draining SW.

69.10 Enter scattered timber, bearing NE. and SW.

79.10 The cor. of secs. 7, 8, 17, and 18.

Land, rolling mesa.

Soil, sandy; 2d rate.

Timber, scattered growth of juniper and pinon pine on western 10.10 chs., and eastern 10.00 chs.

Undergrowth, scattered black brush, apple plants, and mountain rush.

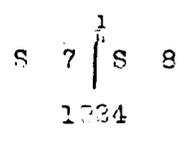
Fair grazing.

N. 0° 03' W. bet. secs. 7 and 8,

Over high rolling land of Douglas Mesa; through scattered desert brush.

16.20 Shallow wash, draining SW.

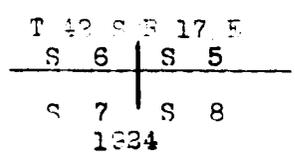
40.00 Set an iron post, 3 ft. long, 1 in. in diam., 37 ins. in the ground, for sec. cor., with brass cap marked



Deposit a sandstone 4 x 4 x 3 ins., marked with a (Y) cross, at base of post.

No other accessories available.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 37 ins. in the ground, for cor. of secs. 5, 6, 7, and 8, with brass cap marked



Deposit a sandstone 6 x 4 x 3 ins., marked with a (X) cross, at base of post.

Chains.

No other accessories available.
 Land, rolling mesa.
 Soil, sandy; 2d rate.
 No timber.
 Undergrowth, scattered black brush, amole plant, and
 mountain rush.
 Fair grazing.

40.00 N. 89° 58' E. on a random line bet. secs. 5 and 8,
 Set temp. $\frac{1}{4}$ sec. cor.
 80.12 Intersect N. and S. line 19 lks. N. of the cor. of sec.
 4, 5, 8, and 9. Thence

N. 89° 54' W. on a true line bet. secs. 5 and 8,
 Over rolling Douglas Mesa; through scattered desert
 brush.

40.06 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins.
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S 5'
 S 8
 1234

Deposit a sandstone 6 x 4 x 4 ins., marked with a ()
 cross, at base of post.

80.12 The cor. of secs. 5, 6, 7, and 8.
 Land, rolling mesa.
 Soil, sandy loam; 2d rate.
 Timber none.
 Undergrowth, scattered black brush, amole plant, and
 mountain rush.
 Fair grazing.

40.00 N. 89° 54' W. on a random line bet. secs. 6 and 7,
 Set temp. $\frac{1}{4}$ sec. cor.
 78.99 Intersect west boundary of township 5 lks. N. of the

Subdivision of T. 42 S., R. 17 E.

Chains.

of secs. 1, 6, 7, and 12. Thence.

S. 89° 56' E. on true line bet. secs. 6 and 7,

Ascending over NW. slope of Douglas Mesa, over broken land; through scattered timber and undergrowth.

14.10 Leave scattered timber, bearing N. and S.

29.00 Break of Douglas Mesa, 140 ft. above sec. cor., bears NE. and SW. Thence over rolling mesa.

38.98 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked

1/4	<u>S 6</u>
	S 7
	1334

Deposit of sandstone 5 ft. x 1/2 in., marked with a (7) cross, at same place.

No other access has available.

73.88 The cor. of secs. 7, 8, 7, and 12.

Land, broken NW. slope and rolling mesa.

Soil, sandy loam 2 ft. or less; top rocky with a few trees.

Timber, scattered juniper about west 1/4 sec. cor.

Undergrowth, scattered algaroba, mesquite, and mountain ash.

End of chain.

N. 02° 30' W. on true line bet. secs. 5 and 6,

40.00 Set iron post for 1/4 sec. cor.

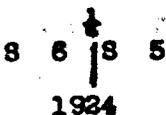
89.00 Intersect N. 02° 30' W. with N. 02° 15' W. of the cor. of secs. 5, 6, 11, and 12, which is an iron post, 3 in. in diam., 3 ft. long, and marked and witnessed as described in the notes of the survey of T. 41 S., E. 17 E. Thence

S. 02° 15' E. on a true line bet. secs. 5 and 6,

Over rolling top of Douglas Mesa; through scattered desert brush.

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Chains. the ground, for $\frac{1}{4}$ sec. cor., with cross...



Deposit a sandstone 5 x 4 x 4 ins., marked with a (1) cross, at base of post.

No other accessories available.

78.10 Shallow wash, draining E.

50.00 The cor. of secs. 5, 6, 7, and 8.

Land, rolling mesa.

Soil, sandy; 3d rate.

No timber.

Undergrowth, scattered black brush, amole plant, and mount in rush.

Fair grazing.

BOUNDARIES OF T. 42 S. R. 17 E.

Latitudes, Departures, and Closing Errors.

Line Designated.	True Bearing	Distance	Latitudes		Departures	
			N. chs.	S. chs.	E. chs.	W. chs.
East Boundary	South	480.00	.....	480.00	.....	.....
South Boundary	West	479.55	.....	.....	.....	479.55
West Boundary	North	479.90	479.90	.....	.....	.....
North Boundary	East	478.52	.....	.....	478.52	.....
Convergence						.55
Total			479.90	480.00	479.07	479.90
				479.90		479.90
Errors in lat. and dep.					.10	

The lands in this township are high, rolling mesas, broken by steep rocky slopes, where the higher mesas break down abruptly to the next plateau or mesa below.

The drainage is generally to the southeast, except for the Douglas Mesa in the northwest, draining NW. and W.; and a small area in the NE. corner of the township draining NE.

The soil is of sandstone formation throughout. Over the rolling mesas the soil is loose sandy loam; on the steep broken slopes it is very shallow, and rocky in character, with many ledges and sandstone outcroppings.

There are small patches of scrub juniper and pinon pine along the breaks of the mesas, and on Douglas Mesa. It is of no commercial value; but at the present time affords a limited amount of fuel, and a few fence posts.

No evidence of minerals, coal, oil, or oil shale was noted during this survey. There is, however, an oil drilling machine prospecting in the SW¹ of NW¹ of Sec. 23.

There are five small mines in the township, located as follows: SE¹ of NE¹ of Sec. 25; SE¹ of NW¹ of Sec. 15; NW¹ of NW¹ of Sec. 4; SW¹ of NW¹ of Sec. 4; and SW¹ of SW¹ of Sec. 18.

There is no permanent settlement within the township. A few Navajo Indians were living within the township at the time of this survey.

The chief industry is stock grazing. There was some prospecting for oil deposits being conducted at the time of this survey.

The road from Bluff, Utah to Kayenta, Arizona, crosses the SE. Cor. of the township. The road from Bluff to Moonlight also crosses the township at the SE. corner. Numerous old roads throughout the township render almost any part of it accessible.

General Description T. 42 S., R. 17 E.

The elevation of the township above sea level, ranges from 5800 ft. to 5000 ft.

The magnetic declination is approximately 16° E.

We, Chas. F. Moore and

Willis W. Bandy

Transitmen, U. S. Surveyor, hereby certify upon basis of

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 17th day of September, 1931

we have well, faithfully, in our own proper persons and in strict conformity with said instructions, the Manual of Surveying, tions, and the laws of the United States, surveyed all those parts or portions of the east, south and west boundaries, and the subdivisional lines of Township No. South, Range No. 17 East

of the Salt Lake and Meridian, in the State of Utah, which are represented

the foregoing field notes as having been executed by us, and under our direction; and that all the corners said survey have been established and perpetuated in strict accordance with the Manual of Surveying I tions, and the special written instructions of the U. S. Surveyor General for Utah

and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

*Shompson Utah
Sept 29 1924*

Chas. F. Moore

Willis W. Bandy

U. S. Transitman
U. S. Transitman

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,
Salt Lake City, Utah
March 4, 1925

The foregoing field notes of the survey of the east, south, and west boundaries and the subdivisional lines of Township 42 South, Range 17 East of the Salt Lake Base and Meridian

executed by Chas. F. Moore, and Willis W. Bandy, U.S. Transitmen

under his special instructions dated September 17, 1923, having critically examined, and the necessary corrections and explanations made, the said field notes, and the they describe, are hereby approved.

[Signature]
U. S. Surveyor

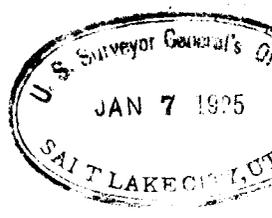
I certify that the foregoing transcript of the field notes of the above-described surveys in has been correctly copied from the original notes on file in this office

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BOOK A-474

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FIELD NOTES

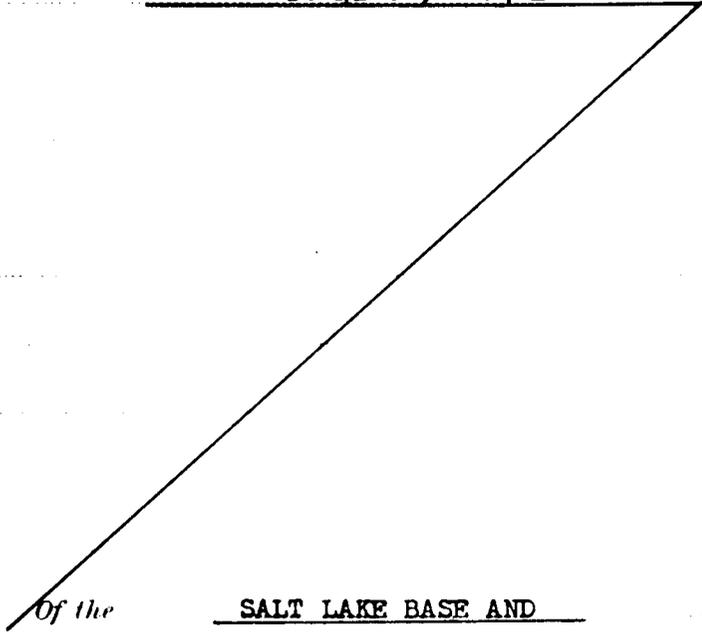
OF THE SURVEY OF THE

SOUTH AND WEST BOUNDARIES.

SUBDIVISION AND MEANDERS

OF

T. 41 S., R. 17 E.



Of the

SALT LAKE BASE AND

Meridian,

In the State of

UTAH

EXECUTED BY

CHAS. F. MOORE

AND

WILLIS W. BANDY

Transitmen

In the capacity of U. S. Surveyor g. under instructions dated September 17, 1923,

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

Group No. 1149, which were approved by the Commissioner of the General Land

Office, September 28, 1923; and assignment instructions dated

December 4, 1923, and supplemental assignemnt instructions dated

December 19, 1923

Survey commenced January 10, 1924

Survey completed February 28, 1924

INDEX DIAGRAM.

Township 41 South , Range 17 East

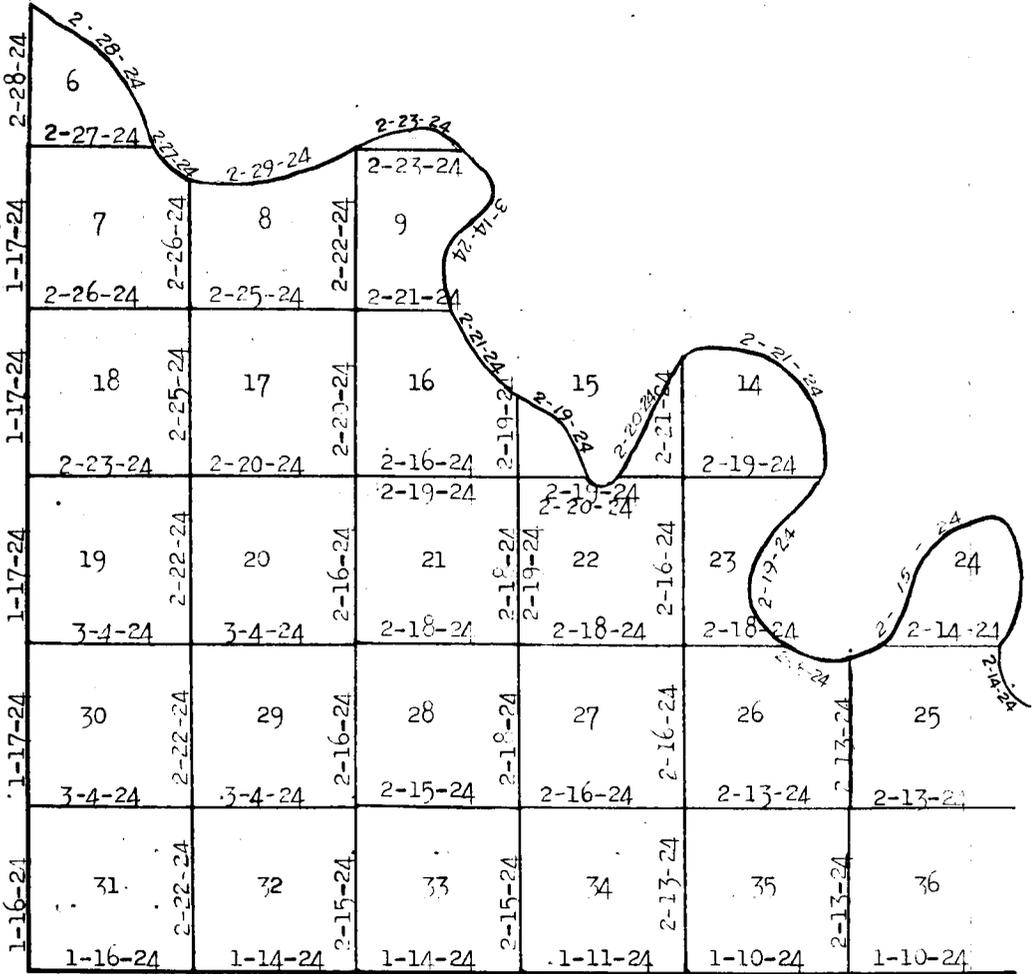
12	6	5	4	3	2	1		
	69		54					
11	7 66	8 51	9	10	11	12		
	65	65	50					
10	18 63	17 48	16 39	15 28	14	13		
	63	61	46	36	26			
9	19 60	20 44	21 35	22 25	23	24		
	59	59	43	34	24	18		
9	30 58	29 42	28 33	27 23	26	15 25		
	57	57	41	32	23	15		
8	31 56	32 41	33 31	34 22	35 14	36		
	7	7	6	5	4	4		

3

Meanders page 71 to 81

Computed Meanders pages 84 to 88

DATE DIAGRAM
T. 41 S., R. 17 E.



Lines dated and colored with red ink were surveyed by
Chas. F. Moore, U. S. transitman.

Lines dated and colored with black ink were surveyed by
Willis W. Bandy, U. S. transitman.

Survey commenced January 10, 1924 and executed with Buff and Buff solar transit No. 9220 used by Chas. F. Moore, U. S. transitman and Young and Sons transit No. 8396 used by Willis W. Bandy, U.S. transitman. For complete description, tests and approval of instruments see survey of T.42 S.,R.17 E., book "B", this group.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes 5 chains in length compared with a Lufkin standard steel tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

METHOD AND ORDER OF PROCEDURE

The establishment of the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. and the E. bdy. of this tp. is provided for in the survey of the exteriors of T.41 S.,R.18 E., Group 149, Utah.

The cor. of Tps. 41 and 42 S., Rs. 16 and 17 E. is established at the intersection of lines projected W. from the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. and south from the meander cor. bet. secs. 1 and 6, which is 11.60 chs. south of the closing cor. of Tps. 41 S., Rs. 16 and 17 E.; fractional distance of the S. bdy. is placed in the west half mile and that of the W. bdy. in the N. half mile.

The township south of the San Juan River is subdivided regularly from south to north and from east to west.

Approaching the San Juan River, the country over which

SOUTH BOUNDARY OF T.41 S., R.17 E.

the lines run becomes very rugged, in fact, practically unurveyable; owing to this inaccessible nature of the country it is found to be impossible to establish meander cors. on the left bank of the San Juan River and witness cors. are, therefore, established as near the true cor. points as possible and the distance to the river bank determined by triangulation.

In making ties across the river from the newly established points for the meander cors. on the left bank to the previously established surveys on the right bank, unusual methods were resorted to by reason of the fact that it was found impossible to cross the river or descend the canyon wall on the N. side of the river to the points where the meander cors. on the right bank of the river were reported to have been established. Ties, therefore were made from the witness cors. to the meander cors. on the left bank to the nearest quarter-sec. or sec. cor. on the N. side of the river and the course and distance computed from the true point for the meander cor. on the left bank of the river to the points where the meander cor. was stated to have been established on the right bank.

In running the meanders of the left bank of San Juan River it was necessary to run on offset lines along the canyon wall as the bank of the river could not be reached. Distances from the offset line to the river bank were noted at frequent intervals along the line.

. SOUTH BOUNDARY OF T.41 S., R.17 E..

I begin at the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E., established by me and described in the field notes of the survey of the exteriors, T.41 S., R.18 E., Group 149, Utah; latitude $37^{\circ}12'$ N., longitude $110^{\circ}03'$ W.

Thence

West, on a random line along S. bdy. T.41 S., R.17 E., setting temp. $\frac{1}{4}$ sec. and sec. cors. at intervals of

South boundary of T.41 S., R.17 E.

Chains

- 40.00 chs., and, at
- 477.83 (Computed distance) Set temp. cor. of Tps. 41 and 42 S., Rs. 16 and 17 E.
- From temp. cor. of Tps. 41 and 42 S., Rs. 16 and 17 E. North, along W. bdy. T.41 S., R.17 E. for alinement only and fall 69 lks. E. of the meander cor. of secs. 1 and 6 hereinafter described.
- The distance of the S.bdy. of T.41 S., R.17 E. therefore is 478.52 chs.
- Thence from cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. West, on true line bet. secs. 1 and 36.
- Over rolling bench land through short undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S36 \\ \hline S1 \\ 1924 \end{array}$$
- Deposit a sandstone, 10x8x3 ins., marked with a cross (X) on one face at base of monument.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 1, 2, 35 and 36, with brass cap marked
- $$\begin{array}{r|l} T41S & R17E \\ S35 & S36 \\ \hline S2 & S1 \\ T42S & \\ 1924 & \end{array}$$
- Deposit a sandstone, 8x6x4 ins., marked with a cross (X) on one face at base of monument.
- Land, rolling bench; drains NE.
- Soil, sandy loam and sandstone rock; 3rd. rate.
- Undergrowth, black brush and oose.
- Fair grazing. No timber.
-
- West, on true line bet. secs. 2 and 35.
- Over rolling bench through short undergrowth.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
- $$\begin{array}{r} S35 \\ \hline S2 \\ 1924 \end{array}$$
- Deposit a sandstone, 10x6x6 ins., marked with a cross (X) on one face at base of monument.

South boundary of T.41 S., R.17 E.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 2,3,34 and 35, with brass cap marked

T41S	R17E
S34	S35
S3	S2
T42S	
1924	

Deposit a sandstone, 12x8x3 ins., marked with a cross (X) on one face at base of monument.

Land, rolling bench; drains NE.

Soil, sandy loam and sandstone rock; 3rd. rate.

Undergrowth, black brush and oose.

Fair grazing. No timber.

West, on true line bet. secs. 3 and 34.

Gradually ascend over rolling bench land through short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$	S34
$\frac{1}{4}$	S3
1924	

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

55.00 Wash, 10 lks. wide, 4 ft. deep, drains NE.

55.20 Foot of Douglas Mesa, bears N.20°E. and S.20°W.; ascend abruptly 480 ft. over ledges.

80.00 Set an iron post; 3 ft. long; 2 ins. in dia., 28 ins. in the ground for cor. of secs. 3,4,33 and 34, with brass cap marked

T41S	R17E
S33	S34
S4	S3
T42S	
1924	

from which

A pinon, 14 ins. diam., bears N.65 $\frac{1}{2}$ °E., 93 lks. dist., marked T 41 S R 17 E S 34 B T

A pinon, 6 ins. diam., bears S.55°E., 18 lks. dist., marked T 42 S R 17 E S 3 B T

A pinon, 12 ins. diam., bears S.76°W., 87 lks. dist., marked T 42 S R 17 E S 4 B T

A pinon, 12 ins. diam., bears N.55°W., 22 lks.

South boundary of T.41 S., R.17 E.

Chains

dist., marked T 41 S R 17 E S 33 B T

Cor. stands on break of mesa at base of sandstone ledge
 Land, rolling bench on E. 55.20 chs. and breaks of mesa
 on remainder of mile; E. exposure and drainage.
 Soil, sandy and sandstone rock; 3rd. rate.
 Timber, a few cedar and pinon on W. portion of mile.
 Undergrowth, black brush and oose.
 Fair grazing.

West, on true line bet. secs. 4 and 33.

Ascend abruptly W. breaks of Douglas Mesa through scatter-
 ing scrub timber and short undergrowth.

21.60 Top of mesa, 90 ft. above sec. cor., bears N. and S.;
 gradually descend W. slope; leave timber.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S33
—
S4
—
1924

Deposit a sandstone, 4x4x3 ins., marked with a cross (X)
 on one face at base of monument.

60.00 Enter scattering scrub timber, bears N. and S.

71.90 Small limestone ledge, bears N.60°E. and S.60°W.

79.00 Leave scattering timber, bears N. and S.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in
 the ground for cor. of secs. 4, 5, 32 and 33, with brass
 cap marked

T41S	|	R17E
S32	|	S33
—		—
S5	|	S4
—		—
T42S	|	1924

Deposit a sandstone, 10x6x4 ins., marked with a cross (X)
 on one face at base of monument.

Land, rolling bench and broken mesa; E. exposure and
 drainage on E. 21.60 chs. and W. exposure and drainage
 on remainder of mile.

Soil, sandy loam and sandstone rock; 3rd. rate.

Timber, scattering scrub cedar and pinon.

South boundary of T41 S., R. 17 E.

Chains

Undergrowth, black brush, amole and mountain rush.
Fair grazing.

West, on true line bet. secs. 5 and 32.

Over rolling bench land through black brush and amole.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S32}{S5}$
1924

Deposit a sandstone, 4x6x2 ins., marked cross (X) on one face at base of monument.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 5, 6, 31 and 32, with brass cap marked

T41S | R17E
S31 | S32
S6 | S5
T42S
1924

Deposit a sandstone, 4x4x2 ins., marked with a cross (X) on one face at base of monument.

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy loam; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing land.

West, on true line bet. secs. 6 and 31.

Over rolling bench land through black brush, amole and mountain rush undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S31}{S6}$
1924

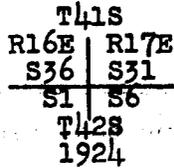
Deposit a sandstone, 4x4x3 ins., marked with a cross (X) on one face at base of monument.

78.52 Set an iron post, 3 ft. long, 3 ins. in dia., 28 ins. in the ground for cor. of Tps. 41 and 42 S., Rs. 16 and

Chains

ant.

17 E., with brass cap marked



Deposit a sandstone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing land.

WEST BOUNDARY OF T.41 S., R.17 E.

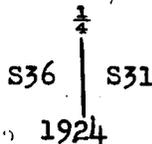
From the cor. of Tps. 41 and 42 S., Rs. 16 and 17 E.

North, on true line bet. secs. 31 and 36.

Over rolling bench land through black brush, amole and mountain rush undergrowth.

40.00

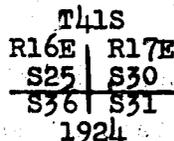
Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 5x4x3 ins., marked with a cross (X) on one face at base of monument.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 25, 30, 31 and 36, with brass cap marked



Deposit a sandstone, 5x5x4 ins., marked with a cross (X) on one face at base of monument.

Chains

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy; 3rd. rate.

No timber.

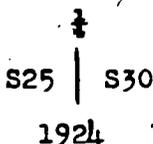
Undergrowth, black brush, amole and mountain rush.

Fair grazing land.

North, on true line bet. secs. 25 and 30.

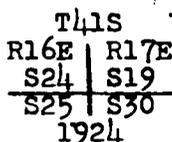
Over rolling bench land through amole, mountain rush and black brush undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 7x5x4 ins., marked with a cross (X) on one face at base of monument.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 19, 24, 25 and 30, with brass cap marked



Deposit a sandstone, 6x5x5 ins., marked with a cross (X) on one face at base of monument.

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy; 3rd. rate.

No timber.

Undergrowth, amole, mountain rush and black brush.

Fair grazing land.

North, on true line bet. secs. 19 and 24.

Over rolling bench land through mountain rush, amole and black brush.

20.00 Wide draw, drains NW.

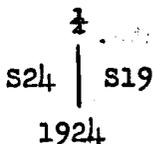
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in

West Boundary of T.41 S., R.17 E.

Chains

series

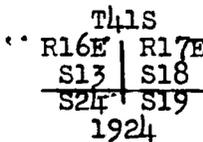
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 5x4x4 ins., marked with cross (X) on one face at base of monument.

71.00 Draw, drains W.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 13, 18, 19 and 24, with brass cap marked



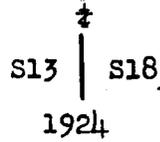
Deposit a sandstone, 6x4x3 ins., marked with a cross (X) on face at base of monument.

Land, rolling bench; general NW. exposure and drainage. Soil, sandy, 3rd. rate. Timber, none. Undergrowth, black brush, amole and mountain rush. Fair grazing land.

North, on true line bet. secs. 13 and 18.

Over rolling bench land through medium growth of underbrush.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 7x4x3 ins., marked with a cross (X) on one face at base of monument.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 7, 12, 13 and 18, with brass cap marked

Chains

This	
R16E	R17E
S12	S7
S13	S18
1924	

Deposit a sandstone, 6x6x5 ins., marked with a cross (X) on one face at base of monument.

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy loam; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing land.

North, on true line bet. secs. 7 and 12.

Over rolling bench land through medium growth of underbrush.

8.90 Sandstone ledge, 30 ft. above sec. cor., bears N.60°W: and S.60°E.; scattering cedar and pinon follows along edge of ledge.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for 1/4 sec. cor., with brass cap marked

1/4	
S12	S7
1924	

Deposit a sandstone, 8x6x4 ins., marked with a cross (X) on one face at base of monument.

68.70 Sandstone ledge, bears E. and W.; enter scattering cedar and pinon timber, bears E. and W.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 1,6,7 and 12, with brass cap marked

This	
R16E	R17E
S1	S6
S12	S7
1924	

from which

A pinon, 10 ins.diam., bears N.47 3/4°E., 124 lks.

dist., marked T 41 S R 17 E S 6 B T

A cedar, 8 ins.diam., bears S.17 3/4°E., 41 lks.

Chains

3718

dist., marked T 41 S R 17 E S 7 B T

A pinon, 3 ins. diam., bears S. 24° W., 108 lks.

dist., marked BT

A pinon, .3 ins. diam., bears N. 52° W., 103 lks.

dist., marked BT

Land, rolling bench; general N. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

Timber, scattering cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing land.

North, on true line bet. secs. 1 and 6.

Over broken bench land sloping towards San Juan River, through very scattering timber and undergrowth.

23.77 Top of high ledges and break into San Juan Canyon, 65.

ft. below sec. cor., bears E. and W, It being impracticable to chain N., I triangulate as follows:

Set a flag on line N. which I designate

"A"; designate this point "B" and measure

base line "BC", east, 7.40 chs. distant to point where

flag "A" bears N. 28° 10' W.; all bearings taken by direct

reading of the solar and angles checked by deflection



Distance on line = 23.77 chs.
 Dist. by triangulation = 13.82 chs.
 Total = 37.59

37.59 To N. point of triangulation; continue abrupt descent towards San Juan River.

40.00 Point for 1/4 sec. cor. falls on surface rock; mark a cross (X) at exact cor. point, over which, Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for 1/4 sec. cor., with brass cap marked

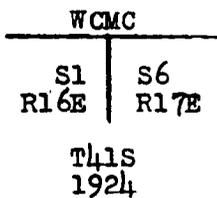
1/4
 S1 | S6
 1924

61.74 True point for meander cor. of secs. 1 and 6, left bank San Juan River falls on ledges where cor. cannot be set

therefore, at this point,

On surface rock, mark a cross^(X) for exact cor. point, and over same,

Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in a large mound of stone, for witness cor. to the meander cor. of secs. 1 and 6 on the left bank of San Juan River, with brass cap marked

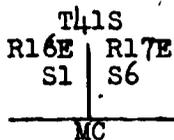


64.24 True point for meander cor. of secs. 1 and 6 on left bank San Juan River; cor. point falls on ledges where cor. cannot be set.

The river is 300 ft. below the witness cor. to the meander cor.

Thence across river by direct measurement.

67.89 To meander cor. of secs. 1 and 6 on the right bank of San Juan River, which is an iron post, 3 ins. in dia., extending 12 ins. above ground, firmly set, with brass cap marked



1924

and witnessed by a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.

Land, rough mountainous; N. exposure and drainage into San Juan River.

Soil, sandy and sandstone and limestone rock; 4th. rate.

Timber, scattering scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

Chains

SUBDIVISION OF T.41 S., R.17 E.

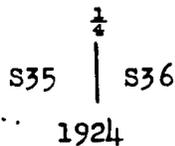
From the cor. of secs. 1, 2, 35 and 36 on the S. bdy. of the Tp. heretofore described.

N.0°01'W., bet. secs. 35 and 36.

Gradually descend N. slope over rolling bench land through medium growth of undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 6x4x4 ins., marked with a cross (X) on one face at base of monument.

56.90

Edge of canyon, 40 ft. below $\frac{1}{4}$ sec. cor., bears E. and W.; descend abruptly.

63.90

Bottom of canyon, 250 ft. below edge, drains NE.; ascend abruptly.

69.85

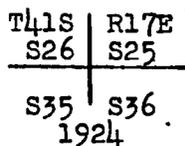
N. edge of canyon, 270 ft. above bottom, bears E. and S.70°W.; thence over bench.

76.00

Shallow wash, drains E.

80.00

Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 25, 26, 35 and 36, with brass cap marked



Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor. Cor. stands 30 ft. above N. edge of canyon.

Land, rolling bench broken by deep canyon rimmed with ledges; general NE. exposure and drainage:

Soil, sandy and rocky of sandstone formation; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Subdivision of T.41 S., R.17 E.

Chains

Fair grazing.

East, on a random line bet. secs. 25 and 36.

40.00 Set temp. 1/4 sec. cor.

80.16 Intersect E. bdy. of the Tp. 5 lks. N. of the cor. of secs. 25,30,31 and 36 which is an iron post, established by me and described in the field notes of the survey of T.41 S.,R.18 E., group 149, Utah.

Thence

N.89°58'W., on true line bet. secs. 25 and 36.

Descend abruptly NW. slope/ of canyon over mountainous land through medium growth of underbrush.

19.10 Bottom of canyon, 570 ft. below sec. cor., drains NE.; ascend abruptly.

40.08 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for 1/4 sec. cor., with brass cap marked

1/4 S25
S36
1924

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Cor. stands on slope of canyon, 440 ft. above bottom. Continue abrupt ascend.

46.10 Top of ledge and E. rim of canyon, 100 ft. above sec. cor., bears NE. and SW.; thence over broken bench land.

51.40 Point of small ledge, bears NW. and SE.

79.96 Small wash, drains SE.

80.16 The cor. of secs. 25,26,35 and 36.

Land, rough, broken slopes of canyons and broken bench land; general NE. exposure and drainage.

Soil, rocky and sandy; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

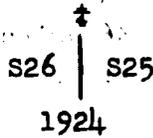
Poor. grazing.

N.0°01'W., bet. secs. 25 and 26.

Chains

Over rolling and broken bench land through medium growth of underbrush.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

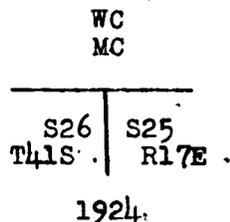


Deposit a sandstone, 6x3x3 ins., marked with a cross (X) on one face at base of monument.

47.30 Top of ledge and S. rim of San Juan River Canyon, bears NW. and SE.; descend over ledges and precipitous slopes

71.90 True point for the meander cor. of secs. 25 and 26 on the left bank of San Juan River falls at base of ledges at the waters edge and cannot be set, therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 25 and 26 with brass cap marked

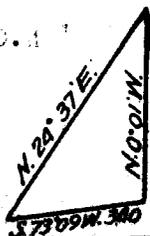


Deposit a sandstone, 4x3x3 ins., marked with a cross (X) on one face at base of monument.

Cor. stands on top of ledge and vertical wall over San Juan River, 640 ft. below rim of cor.

72.01 Top of vertical ledge, 300 ft. high, bears E. and W. To determine the distance to true point for meander cor. on left bank of San Juan River, I triangulate as follows

Set a flag on line on left bank of river, N.0°01'W., then from the ^{72.01 chs.} point measure a base line S.73°09'W., 3.40 chs. distant to a point where the N. flag bears N.24°37'E. All bearings taken by direct reading of the solar



Subdivision of T. 41 S., R. 17 E.

Chains.

and angles checked by deflection.

Distance on line bet. Secs.25 and 26 72.01 chs.

Distance by triangulation, 6.11 chs.

Total distance on line bet. Secs.25 & 26 78.12 chs.

78.12

True point for meander cor. of Secs.25 and 26 on left bank San Juan River, 350 ft. below witness cor. Impracticable to establish cor. at this point.

Note: A point 80.00 chs. N. 0° 01' W. from the cor. of Secs.23, 24, 25, and 26 falls in San Juan River.

In order to make a tie to the point for the previously established meander cor. of Secs.23 and 24 on the right bank of San Juan River, I proceed as follows:

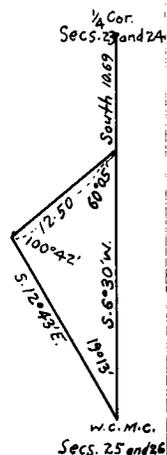
From the 1/4 Sec. cor. between Secs.23 and 24, which is an iron post, 1 in. in diam., firmly set in the ground and mound of stone, and marked and witnessed as described by the surveyor general, I run

South bet. Secs.23 and 24,

10.69

Further chaining south is impossible, on account of high ledges and wall of San Juan River Canyon. Being also unable to reach the point where the meander cor. of Secs.23 and 24 on the right bank of San Juan River is reported to have been established, I triangulate from this point to the witness cor. to the meander cor. of Secs.25 and 26 on the left bank of San Juan River and compute the tie between the true point for the meander cor. of Secs.25 and 26 on the left bank and the point for the meander cor. of Secs.23 and 24 on the right bank as follows:

The witness cor. to the meander cor. of Secs. 25 and 26 on the left bank of the river, which is 6.22 chs. S. 0° 01' E. of the true cor. point, bears S. 6° 30' W. With the telescope directed at the witness cor. to the meander cor., I deflect an angle of 60° 05' to the right and measure



a base line 12.50 chs. distant to a point whence the witness cor. to the meander cor. of Secs. 25 and 26 bears S. $12^{\circ} 43' E$.

Distance by triangulation,	37.22 chs.
Distance in latitude,	37.03 chs.
Distance in departure,	4.22 chs.

By computation the point for the meander cor. of Secs. 25 and 26 on the right bank of San Juan River is found to be 3.73 chs. N. and 4.22 chs. E. of the true point for the meander cor. of Secs. 25 and 26 on the left bank of the river. The course and distance of the line connecting these cors. therefore is N. $43^{\circ} 22' E$. 5.35 chs.

Land rolling and broken much on both portion and rough mountainous on N. portion of site; general N. exposure and drainage.

Soil, rocky and sandy; 4th rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

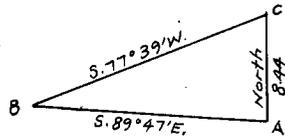
Poor grazing.

To establish the line bet. Secs. 25 and 26, I proceed as follows:

It being impossible to run east from a point 80.00 chs. N. $0^{\circ} 01' W$. of cor. of Secs. 25, 26, 35, and 36, or the true point for the meander cor. of Secs. 25 and 26 on the left bank of San Juan River, on account of inaccessible ledges, I begin at the witness cor. to the meander cor. of Secs. 25 and 26 on the left bank of the river, which is 79.10 chs. N. $0^{\circ} 01' W$. of the true cor. point for Secs. 25, 26, 35, and 36.

The line east from the witness meander cor. crosses a series of high sandstone ledges, over which it is impracticable to chain, I therefore triangulate as follows. Set flag "A" S. $89^{\circ} 47' E$. on top of spur and designate the witness cor. to the meander cor. "B". From "A" measure base line "AC" North 8.44 chs. distant

Chains to point "C". The line "CB" bears S.77° 39' W. All bearings taken by direct reading of the solar, and angles checked by deflection.



Distance by triangulation, 37.89 chs.

37.89 To point of triangulation on traverse line.

Thence North 8.22 chs. to true line, at

37.89 Top of spur, 500 ft. above witness cor. to meander cor. of Secs. 25 and 26, projects N. Erect flag at this point; thence

N. 89° 58' W. on true line bet. Secs. 24 and 25,

Descend abruptly over precipitous slopes and rugged ledges into San Juan River Canyon.

27.50 (Counted from point 80.00 chs. N. 0° 01' W. of cor. of Secs. 25, 26, 35, and 36).

The true point for the meander cor. of Secs. 24 and 25 will fall at point where it is impracticable to set corner; therefore at this point

Set an iron post, 3 ft. long, 1 in. in diam., 2 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of Secs. 24 and 25, with brass cap marked

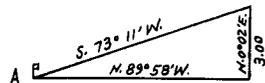
		T41S
WC	/	S24
MC	/	S25
		R17E
		1924

Deposit a stone, marked with a cross on face at base of monument.

Corner stands on top of vertical ledge, 430 ft. below the 37.89 chs. point.

It being impossible to chain to the true point for the meander cor. of Secs. 24 and 25 on account of high ledges I triangulate as follows:

Set flag "A" on line N. 89° 58' W. on left bank of San Juan River; then measure a base line N. 0° 02' E. 3.00 chs. distant to a point whence flag "A"



Chains.

bears S. 73° 11' W.; all bearings taken by direct reading of the solar and angles checked by deflection

Distance by triangulation 9.91 chs.

17.59 (Counted from point 90.00 chs. N. 0° 01' W. of cor. of Secs. 35, 36, 37, and 38), to point of triangulation on left bank of San Juan River and true point for the meander cor. of Secs. 24 and 25 on left bank of San Juan River. Impracticable to establish cor. at this point. River is 640 ft. below witness cor. to the meander cor.

I return to my flag at 47.99 chs. on line bet. Secs. 24 and 25, and continue, S. 69° 33' E. on true line bet. Secs. 24 and 25.

Descend precipitous E. slope towards San Juan River.

39.70 Point for $\frac{1}{4}$ Sec. cor. between Secs. 24 and 25 will fall on vertical cliff where cor. cannot be set; therefore at this point,

Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground, on solid rock and in a large mound of stone for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap mkd.

$\frac{1}{4}$ S24 WC
S25
1924

Deposit a sandstone 25 x 13 x 6 ins. marked with a cross (X) on one face, alongside base of monument.

40.00 Point for $\frac{1}{4}$ Sec. Cor. bet. Secs. 24 and 25 on cliff. No corner set.

51.51 Point for meander cor. of Secs. 24 and 25 on the left bank of San Juan River will fall at point where it is impracticable to establish cor.; therefore at this point, on surface rock, marked a cross (X) and over same

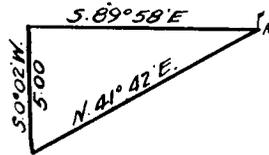
Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in a large mound of stone for witness cor. to the meander cor. of Secs. 24 and 25 on left bank of San Juan River, with brass cap marked

T418
S24 WC
S25 MC
R17E
1924.

Chains

In order to determine the distance to the true point for meander cor., I make the following triangulation as chaining is impossible on account of ledges.

Set flag "A" on line S.89°58'E. on left bank of river, then measure a base line S.0°02'W., 5.00 chs. to point whence flag "A" bears N.41°42'E. All bearings taken by direct reading of the solar and angles checked by deflection.



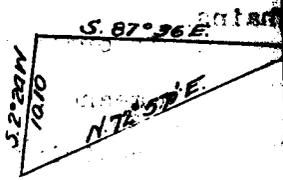
Distance on line bet.secs.24 and 25	= 51.51 chs.
Distance by triangulation	= 4.45 chs.
Total distance on line bet.secs.24 and 25	= 55.96 chs.

55.96 To point of triangulation on left bank of San Juan River, 250 ft. below witness cor., also point for meander cor. secs. 24 and 25. Impracticable to establish cor. at this point.

In order to make a tie to the previously established surveys on the opposite side of San Juan River, I proceed as follows:

I find it impossible to descend the canyon wall to the point where the meander cor. of secs. 24 and 25 on the right bank of San Juan River is reported to have been established, or to make a tie from the true point for the meander cor. of secs. 24 and 25 on the left bank, I therefore triangulate from the witness cor. to the meander cor. of secs. 24 and 25 on the left bank to the cor. of secs. 19,24,25 and 30 on the E. bdy. of T.41 S., R.17 E., which is an iron post, 3 ins. in dia., firmly set and marked and witnessed as described by the surveyor general and compute the course and distance of the line connecting the true point for the meander cor. of secs. 24 and 25 on the left bank to the point where the meander cor. on the right bank is purported to be established. From the witness cor. to the meander cor. on the left bank of the river which is 4.45 chs. N.89°58'W. of true cor. point, the cor. of secs. 19,24,25 and 30 on the E. bdy. of the Tp. bears S.87°36'E. From the witness meander

Chains cor. measure a base line S.2°24'W,,
 10.10 chs. distant to point where
 the cor. of secs. 19,24,25 and 30
 on the E. bdy. of the Tp. bears
 N.72°57'E. All bearings taken by direct reading of the
 solar and angles checked by deflection.



Distance by triangulation = 28.60 chs.
 Distance in latitude = 1.20 chs.
 Distance in departure = 28.57 chs.
 By computation the point for the meander cor. on the

right bank of the river is found to be 6.32 chs. E. and
 1.20 chs. S. of true point for the meander cor. on the
 left bank. The course and distance of the line connecti
 these points therefore is S.79°15'E., 6.43 chs.

Land, rough mountainous; N. exposure and drainage.
 Soil, rocky of sandstone formation; 4th. rate.
 Undergrowth, black brush and mountain rush.
 No timber. Poor grazing.

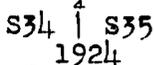
From the cor. of secs. 2,3,34 and 35 on the S. bdy. of
 the Tp. heretofore described.

N.0°01'W., bet. secs. 34 and 35.

Over rolling bench land through short undergrowth.

31.10 Wash, 50 lks. wide, 12 ft. deep, drains NE.

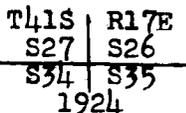
40.00 Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in
 the ground for sec. cor., with brass cap marked



Deposit a sandstone, 6x4x3 ins., marked with a cross (X)
 on one face at base of monument.

79.00 Head of small canyon, drains SW.

80.00 On surface rock, mark a cross (X), over which,
 Set an iron post, 3 ft. long, 2 ins. in dia., in a large
 mound of stone for cor. of secs. 26,27,34 and 35, with
 brass cap marked



Land, rolling bench; NE. exposure and drainage.

Soil, sandy loam and rocky; 3rd. rate.
 Undergrowth, black brush and mountain rush.
 No timber. Fair grazing.

Subdivision of T.41 S. R.17 E.

Chains

East, on a random line bet. secs. 26 and 35.
 40.00 Set temp. $\frac{1}{4}$ sec. cor.
 79.90 Intersect the cor. of secs. 25, 26, 35 and 36.
 Thence
 West, on true line bet. secs. 26 and 35.
 Gradually ascend over rolling bench land through black
 brush, amole and mountain rush undergrowth.
 17.00 Low ridge, 75 ft. above sec. cor., bears N. and S.
 38.90 Shallow wash, drains SE.
 39.95 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{S26}{\quad}$
 $\frac{S35}{1924}$

Deposit a sandstone, 5x4x3 ins., marked with a cross (X)
 on one face at base of monument.

64.00 From this point a hill which bears E. and W., bears N.
 about 10 chs. distant.

79.90 The cor. of secs. 26, 27, 34 and 35.
 Land, rolling bench; general E. exposure and drainage.
 Soil, sandy loam; 2nd. rate.
 No timber.
 Undergrowth, black brush, amole and mountain rush.
 Fair grazing.

N.0°01'W., bet. secs. 26 and 27.

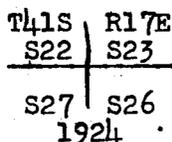
Over broken and rolling bench land covered with black
 brush, amole and mountain rush.

4.35 Spur, projects SW., 30 ft. above sec. cor.
 16.60 Top of ledge and S. rim of draw, bears E. and W.; descend.
 20.60 Bottom of draw, drains W.; ascend.
 21.70 Top of ledge and N. rim of draw, bears E. and W.
 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in
 the ground on solid rock and 18 ins. in a mound of
 stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{S27}{1924}$ | $\frac{S26}{\quad}$

Chains

80.00 On surface rock; marked a cross (X) at exact cor. point over which,
Set an iron post, 3 ft. long, 2 ins. in dia., in a large mound of stone for cor. of secs. 22, 23, 26 and 27, with brass cap marked



Land, broken and rolling bench; general NW. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

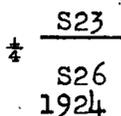
Fair grazing.

East, on true line bet. secs. 23 and 26.

Over broken bench land through scattering undergrowth.

18.90 Top of ledge and rim of San Juan River Canyon, bears N. and S.; descend precipitous slopes.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock and in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 8x6x6 ins., marked with a cross (X) on one face at base of monument.

43.71 Top of high ledge over San Juan River, 660 ft. below rim of canyon, bears NW. and SE. Point for meander cor. of secs. 23 and 26 on the left bank of San Juan River falls at point where cor. cannot be established, therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 23 and 26 on the left bank of San Juan River, with brass cap marked

Subdivision of T.41 S., R.17 E.

Chains

~~T41S~~ WC
~~S23~~ MC
~~S26~~
 R17E

1924

Deposit a limestone, 8x4x2 ins., marked with a cross (X) on one face at base of monument.

In order to determine the distance to the true point for the meander cor. of secs. 23 and 26 on the left bank of San Juan River, I triangulate as follows:

Set point "A" on line east at true point for meander cor.

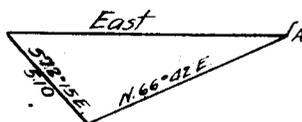
then measure a base line S.72°15'E.,

5.10 chs. distant to point whence

point "A" bears N.66°42'E. All

bearings taken by direct reading

of the solar and angles checked by deflection.



Distance on line = 43.71 chs.

Distance by triangulation = 8.46 chs.

Total = 52.17 chs.

52.17

To true point for meander cor. of secs. 23 and 26 on left bank of San Juan River. Impracticable to establish cor. at this point.

Land broken bench and rough mountainous breaks of San Juan River Canyon; general N. exposure and drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

From the cor. of secs. 22,23,26 and 27.

N.0°01'W., bet. secs. 22 and 23.

Over broken bench land through undergrowth of black brush, amole and mountain rush.

40.00

Point for $\frac{1}{4}$ sec. cor. falls on surface rock; mark a cross

(X) at exact cor. point, over which,

Set an iron post, 3 ft. long, 1 in. in dia., in a large

mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

†
 S22 | S23
 1924

- 59.00 Top of ledge and S. rim of San Juan River Canyon, bears NE. and SW.; descend abruptly.
- 65.00 Bottom of small canyon, 160 ft. below rim, heads about 7 chs. E. and drains W.; ascend abruptly.
- 72.00 N. rim of canyon, bears NW. and SE.; thence over broken bench.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock, upon which I mark a cross (X) for cor. of secs. 14, 15, 22 and 23, with brass cap marked

T41S	R17E
S15	S14
S22	S23

1924

Land, broken bench and breaks of San Juan River Canyon; general W. exposure and drainage.
 Soil, sandy and rocky; 4th. rate.
 No timber.
 Undergrowth, black brush, amole and mountain rush.
 Fair grazing on bench.

-
- East, on true line bet. secs. 14 and 23.
 Over rolling and broken bench land through black brush, amole and mountain rush undergrowth. Gradually ascend.
 - 17.25 Point of spur, from the S., 50 ft. above sec. cor., projects N.; descend.
 - 28.90 W. rim of San Juan River Canyon, bears N. and S.; descend precipitous slopes over ledges.
 - 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in the ground on solid rock, upon which I mark a cross (X) for exact cor. point, and in a large mound of stone for 1/2 sec. cor., with brass cap marked

†
S14
 S23
 1924

Subdivision of T.41 S., R.17 E.

Chains

54.92

Continue precipitous descent over slope of canyon.
 Top of high ledge over San Juan River, bears N. and S.;
 on account of ledges I am unable to reach the true
 point for the meander cor. of secs. 14 and 23 on the
 left bank of San Juan River, therefore, at this point,
 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in
 the ground on solid rock and in a large mound of stone
 for witness cor. to the meander cor. of secs. 14 and
 23, with brass cap marked.

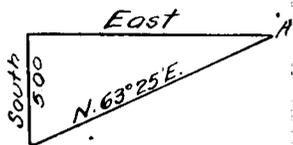
T41S		WC
S14		MC
S23		
R17E		
1924		

Deposit a rock, marked with a cross (X) on one face at
 base of monument.

Cor. stands 570 ft. below top rim of canyon.

In order to determine the distance to the true point for
 the meander cor. on the left bank of river, I triangulate
 as follows, it being impossible to determine distance
 by direct measurement on account of ledges.

Note a point on left bank of river
 which I designate "A"; then measure
 a base line south 5.00 chs. distant
 to a point whence point "A" bears
 N.63°25'E. All bearings taken by direct reading of the
 solar and angles checked by deflection.



Distance on line bet. secs. 14 and 23 to witness cor. to the meander cor. =	54.92 chs.
Distance by triangulation =	9.99 chs.
Total =	64.91 chs.

64.91 To true point for meander cor. of secs. 14 and 23 on the
 left bank of San Juan River. Impossible to establish cor.
 at this point.

In order to make a tie across river to the point for the
 previously established meander cor. of secs. 14 and 23
 on the right bank of the river, I proceed as follows:
 I am unable to make a direct tie or reach the point where
 the meander cor. on the right bank is reported to be
 established on account of inaccessible ledges, I therefore

Chains

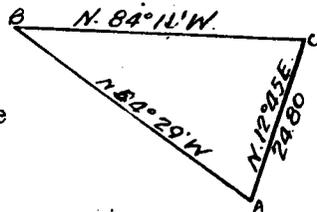
triangulate across river and compute the tie bet. the true point for the meander cor. on the left bank and the point where the meander cor. on the right bank is reported to be established.

From the $\frac{3}{4}$ sec. cor. bet. secs. 23 and 24 heretofore described, I run

N.50°E., 190 chs., thence

N.43°30'E., 14.22 chs. to point which I designate "A";

from point "A" the W.C.M.C. on the left bank of river designated "B", bears N.54°29'W. I now measure base line "AC", N.12°45'E., 24.80 chs. distant. The line "CB", bears N.84°11'W.



Distance of line "CB" by triangulation = 46.15 chs. or a westing of 45.91 chs. and northing of 4.68 chs. By computation the point for the meander cor. of secs. 14 and 23 on the right bank of the river is found to be 17.75 chs. E. and 40 lks. S. of the true point for the meander cor. on the left bank; the course and distance of this tie line therefore is S.88°33'E., 17.76 chs.

Land, broken bench and precipitous breaks of canyon; general N. and E. exposure and NW. drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Poor grazing.

From the cor. of secs. 14, 15, 22 and 23.

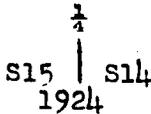
N.0°01'W., bet. secs. 14 and 15.

- 2.50 Top of ledge and S. rim of San Juan River Canyon, bears NE. and SW.; descend abruptly over ledges and breaks.
- 40.00 On surface rock, mark a cross (X) at exact cor. point, over which,
Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for $\frac{3}{4}$ sec. cor., with brass cap

Subdivision of T.41 S., R.17 E.

Chains

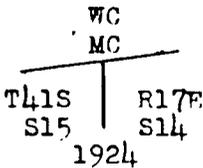
marked



Continue abrupt descent.

58.62

Top of ledge, 500 ft. high and 7.10 ft. below rim of canyon, bears E. and W. True point for meander cor. of secs. 14 and 15 on the left bank of San Juan River will fall on inaccessible ground, therefore, at this point, Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 14 and 15 on the left bank of river, with brass cap marked



Deposit a limestone, 6x6x4 ins., marked with a cross (X) on one face at base of monument.

To determine the distance to the true point for the meander cor. on the left bank of the river, I triangulate as follows:

Note a point at the true position for the meander cor., then measure a base line, S.52°30'W., 2.46 chs. distant to a point whence the true point for meander cor., bears N.18°52'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on line bet. secs. 14 and 15 to the witness cor. to meander cor.	=	58.62 chs.
Distance by triangulation	=	4.20 chs.
Total	=	62.82 chs.

62.82

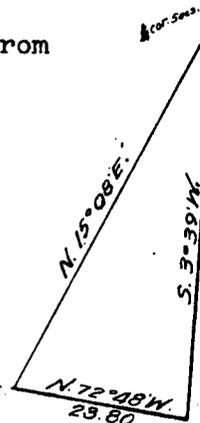
True point for meander cor. of secs. 14 and 15 on the left bank of San Juan River falls on inaccessible ground where cor. cannot be set.

In order to make a tie across river to the point where the meander cor. of secs. 14 and 15 on the right bank of the river is reported to be established, I proceed as follows:

Chains

Owing to inaccessible ledges, the rugged nature and peculiar lay of the country I am unable to reach the point where the meander cor. of secs. 14 and 15 on the right bank of the river is reported to be established and am compelled to make the following triangulation and compute the tie bet. the true point for the meander cor. on the left bank and the point for the meander cor. on the right bank as follows:

From the $\frac{1}{2}$ sec. cor. bet. secs. 10 and 11, which is an iron post, 1 in. in dia., firmly set, and marked and witnessed as described by the surveyor general, a flag designated "A", set 4.08 chs. west of the cor. of secs. 14, 15, 22 and 23, bears $S.3^{\circ}39'W$. From flag "A", measure a base line $N.72^{\circ}48'W$., 23.80 chs. distant to a point whence the $\frac{1}{2}$ sec. cor. bet. secs. 10 and 11 on the N. side of the river bears $N.15^{\circ}08'E$. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 119.47 chs. or a northing of 119.23 chs. and easting of 7.61 chs.

By computation I find the point for the meander cor. of secs. 14 and 15 on the right bank of the river to be 8.67 chs. N. and 3.55 chs. E. of the true point for the meander cor. on the left bank of the river. The course and distance of this tie line therefore is $N.22^{\circ}19'E$., 9.37 chs.

Land, rough mountainous breaks of San Juan River; general exposure and drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, scattering black brush, amole and mountain rush.

Subdivision of T.41 S., R.17 E.

Chains

Poor grazing.

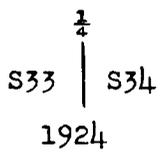
From the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of the Tp. heretofore described.

N.0°02'W., bet. secs. 33 and 34.

Over mountainous land along E. breaks of Douglas Mesa, through scattering timber and undergrowth.

40.00 Point for 1/2 sec. cor. falls on surface rock; mark a cross (X) at exact cor. point, over which

Set an iron post, 3 ft. long, 1 in. in dia., in a large mound of stone for 1/2 sec. cor., with brass cap marked



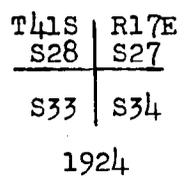
from which

A cedar, 8 ins.diam., bears N.82 1/2°E., 150 lks. dist., marked 1/4 S 34 B T

A pinon, 8 ins.diam., bears S.79°W., 94 lks. dist., marked 1/4 S 33 B T

Cor. stands 60 ft. above sec. cor.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground on solid rock and 16 ins. in a mound of stone for cor. of secs. 27, 28, 33 and 34, with brass cap marked



from which

A pinon, 8 ins.diam., bears N.27°E., 118 lks. dist., marked T 41 S R 17 E S 27 B T

A pinon, 8 ins.diam., bears S.26°E., 153 lks. dist., marked T 41 S R 17 E S 34 B T

A pinon, 6 ins.diam., bears S 82 1/2°W., 31 lks. dist., marked T 41 S R 17 E S 33 B T

A pinon, 10 ins.diam., bears N.13 1/2°W., 108 lks.

Chains

dist., marked T 41 S R 17 E S 28 B T

Land, mountainous on E. break of Douglas Mesa.

Soil, rocky; 4th. rate.

Timber, scattering cedar and pinon.

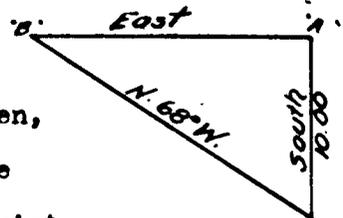
Undergrowth, black brush, amole and mountain rush.

Poor grazing.

East, on a random line bet. secs. 27 and 34.

14.26 Top of high ledge and break of mesa down which I cannot chain. To determine distance to base, I make the following triangulation:

Set flag "A" ahead on line and erect flag "B" at this point, then, from flag "A" measure a base line South, 10.00 chs. distant to a point whence flag "B" bears N. 68° W. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on random line	= 14.26 chs.
Distance by triangulation	= <u>24.75</u> chs. ✓
Total	= 39.01 chs.

39.01 To east point of triangulation.

40.00 Set temp. 1/2 sec. cor.

80.00 Intersect N. and E. line 7 lks. S. of the cor. of secs. 26, 27, 34 and 35.

Thence

S. 89° 57' W., on true line bet. secs. 27 and 34.

Over broken bench land through scattering undergrowth.

2.20 Point of spur, projects S.; gradually descend.

21.50 Draw, drains N.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock which I mark with a cross (X) at exact cor. point, and in a mound of stone for 1/2 sec. cor., with brass cap marked

1/2 827
834
1924

Subdivision of T.41 S., R.17 E.

Chains

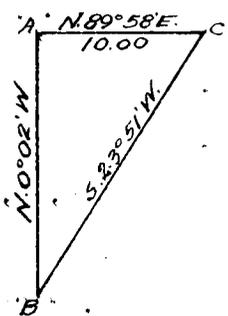
- 40.99 Point of triangulation and base of Douglas Mesa, bears NW. and SE.; ascend abruptly.
- 65.74 Top of ledge and east brink of mesa, bears NW. and SE., also west point of triangulation.
- 80.00 The cor. of secs. 27, 28, 33 and 34.
Land, broken bench and rough mountainous; general NE. exposure and drainage.
Soil, sandy and rocky; 4th. rate.
Timber, a few scattering cedar and pinon on west portion of mile.
Undergrowth, black brush, amole and mountain rush.
Poor grazing.

N.0°02'W., bet. secs. 27 and 28.

Over broken mesa through scattering timber and undergrowth.

- 4.87 Top of high ledge and brink of mesa, bears NW. and SE.; precipitous descent over ledges, down which I cannot chain. To determine the distance to the base of mesa I triangulate as follows:

Set flag "A" on line N.0°02'W. at base of mesa and erect flag "B" at this point. From flag "A" measure base line "AC", N.89°58'E., 10.00 chs. dist. The line "CB" bears S.23°51'W. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on line	= 4.87	chs.
Distance by triangulation	= 22.58	chs.
Total	= 27.45	chs.

- 27.45 To N. point of triangulation and base of mesa, 600 ft. below top, bears NW. and SE.; leave timber, gradually ascend rocky S. slope.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for 1/2 sec. cor., with brass cap marked

Chains

$\frac{1}{4}$
 S28 | S27
 1924

Deposit a sandstone, 6x4x3 ins. marked with a cross (X) on one face alongside base of monument.

Cor. stands 80 ft. above base of mesa; gradually descend over gentle N. slope.

79.40 Brink of canyon, bears NW. and SE.; descend.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 21, 22, 27 and 28, with brass cap marked

T41S | R17E
 S21 | S22
 S28 | S27

1924

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, mountainous; general N. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

Timber, scattering cedar and pinon in S. portion of mile

Undergrowth, black brush, amole and mountain rash.

Poor grazing.

 N. 89° 57' E.,
 on a random line bet. secs. 22 and 27.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.14 Intersect N. and S. line 2 lks. S. of the cor. of secs. 22, 23, 26 and 27.

Thence

S. 89° 56' W., on true line bet. secs. 22 and 27.

Over rolling bench land through scattering undergrowth.

12.40 Wash, drains NW.

27.00 Low spur, projects NW.

40.07 Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S22
 S27
 1924

Subdivision of T. 14 N., R. 17 E.

Chains

Deposit a sandstone, 6x4x3 ins., marked with a cross (X) on one face at base of monument.

The S. rim of San Juan River Canyon, bears N. about 5 chs. distant.

46.00 Low spur, projects NW.

58.00 Top of ledge and rim of canyon, bears NW. and SE.; descend abruptly.

69.15 Bottom of canyon, 300 ft. below rim, drains NW.; ascend abruptly.

80.14 The cor. of secs. 21, 22, 27 and 28.

Land, rolling bench, cut by rim ledges and small canyons; general N. exposure and drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

N. 0° 02' W., bet. secs. 21 and 22.

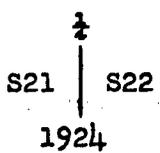
Over rough mountainous land along slopes of canyons, through scattering undergrowth. Descend abruptly.

11.60 Canyon, 270 ft. below sec. cor., drains NW. about 5 chs. distant to junction with canyon from the SE., thence NE.; ascend.

16.50 Spur, 85 ft. above canyon, projects W.; descend.

29.00 Canyon, 215 ft. below spur, drains NE.; ascend.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and in a large mound of stone for 1/4 sec. cor., with brass cap marked



Deposit a sandstone, 6x4x4 ins., marked with a cross (X) on one face at base of monument.

53.50 Point of spur, 125 ft. above 1/4 sec. cor., projects E.; descend.

58.30 Canyon, 90 ft. below spur, drains E.; ascend abruptly

Chains

over ledges.

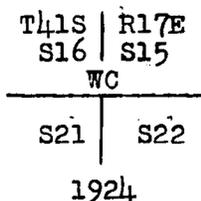
70.50

Spur, 250 ft. above canyon, projects E.; descend abruptly over ledges.

79.00

Point for cor. of secs. 15,16,21 and 22 will fall on ledge where cor. cannot be set, therefore, at this point,

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the cor. of secs. 15,16,21 and 22, with brass cap marked



Deposit a sandstone, 6x4x3 ins., marked with a cross (X) on one face at base of monument.

Cor. stands on rugged N. slope, 425 ft. below spur.

Descend over ledge 100 ft.

80.00

True point for cor. of secs. 15,16,21 and 22 on ledge. No cor. set.

Land, rough mountainous; general N. exposure and drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

N.89°56'E., on a random line bet. secs. 15 and 22.

11.80

Set flag for future reference.

21.30

To temp. point for meander cor. of secs. 15 and 22 on left bank of San Juan River.

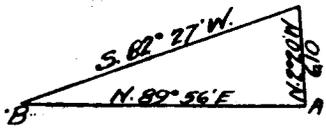
The line east follows in San Juan River and over precipitous slopes on E. side, I therefore return to my flag at 11.80 chs. and make the following triangulation:

Set flag "A" N.89°56'E. on top of ledge and erect flag

Subdivision of T.41 S., R.17 E.

Chains

"B" at this point; then from flag "A" measure base line N.2°20'W., 6.10 chs. distant to point whence flag "B" bears S.82°27'W. All bearings taken by direct reading of the solar and angles checked by deflection.

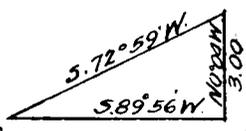


Distance on line = 11.80 chs.
 Distance by triangulation = 46.64 chs.
 Total = 58.44 chs.

58.44

To point of triangulation on random line. To determine the distance west to the left bank of San Juan River, I am compelled to make another triangulation as follows:

Set flag on random line S.89°56'W. on left bank of river; then measure a base line N.0°04'W., 3.00 chs. distant to point where the flag bears S.72°59'W. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on random line = 58.44 chs.
 Subtract, distance by triangulation = 9.84 chs.
 Total = 48.60 chs.

48.60

Temp. point for meander cor. secs. 15 and 22 on left bank of river.

Thence from my 58.44 chs. point, continue N.89°56'E. on random line.

79.88

Intersect N. and S. line 9 lks. S. of the cor. of secs. 14,15,22 and 23.

Thence S.89°52'W., on true line bet. secs. 15 and 22. Over broken bench land through scattering undergrowth.

4.08

S. rim of San Juan River Canyon, bears NE. and S.; descend precipitous slopes and breaks of canyon, 550 ft.

21.34

To point of triangulation on top of high ledge, bears N. and S.; true point for meander cor. of secs. 15 and 22 falls on inaccessible ground, therefore at this point,

Chains

Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 15 and on the left bank of San Juan River, with brass cap marked

	T41S	
WC	S15	
MC		
		S22
		R17E
1924		

Deposit a sandstone, 6x5x4 ins., marked with a cross on one face at base of monument.

Thence by triangulation to

31.18 True point for meander cor. of secs. 15 and 22 on left bank of river, 500 ft. below witness cor. Impracticable to establish cor. at this point.

Continue by triangulation to

58.58 Point for meander cor. of secs. 15 and 22 on left bank of San Juan River falls on inaccessible ground. No cor. set.

Ascend abruptly precipitous breaks of canyon.

68.08 Point of triangulation, 350 ft. above true point for meander cor.

Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 15 and on the left bank of San Juan River, with brass cap marked

	T41S	
	S15	WC
		MC
		S22
		R17E
1924		

Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, W. of cor. Thence over rugged N. breaks of canyon.

79.88 The true point for the cor. of secs. 15, 16, 21 and 22, 3 ft. above witness cor.

Land, broken bench and rugged mountains; general N. exposure and drainage.

Soil, rocky; 4th. rate.

Subdivision of T.41 S., R.17 E.

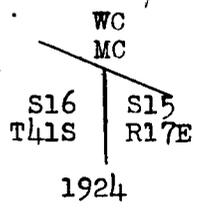
Undergrowth, black brush, amole and mountain rush.

No timber. Poor grazing.

From the true point for the cor. of secs. 15,16,21 and 22. N.0°02'W., bet. secs. 15 and 16.

Descend N. slope over rough mountainous land on break of San Juan River canyon through short undergrowth.

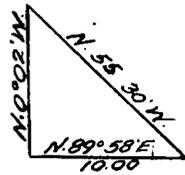
7.80 Top of high ledge, bears E. and W., 75 ft. below true point for sec. cor. The position for the meander cor. of secs. 15 and 16 on the left bank of San Juan River falls at an inaccessible point, therefore, at this point, Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for witness cor. to the meander cor. of secs. 15 and 16 on the left bank of San Juan River, with brass cap marked



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. To determine the distance to true point for meander cor., I make the following triangulation over high ledge as follows:

I observe a definite point at the true point for the meander cor. N.0°02'W., then from the W.C.M.C. measure a base line N.89°58'E., 1000 chs.

distant to a point whence the true point for the meander cor. bears



N.55°30'W. All bearings taken by direct reading of the solar.

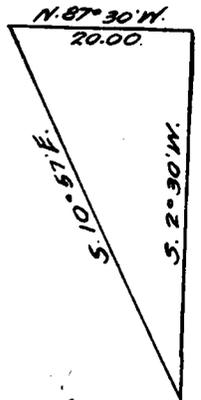
Distance on line bet. secs. 15 and 16 to the witness cor. to the meander cor.	=	7.80 chs.
Distance by triangulation	=	6.88 chs.
Total	=	<u>14.68 chs.</u>

14.68 To true point for the meander cor. of secs. 15 and 16 on the left bank of San Juan River. Cor. point cannot be reached.

I am unable to descend the canyon wall on the N. side of San Juan River and reach the point where the meander cor.

Subdivision of T.41 S., R.17 E.

on the right bank is reported to be established, there
in order to make a tie from the true point for the
meander cor. bet. secs. 15 and 16 on the left bank of
San Juan River to the point where the meander cor. on
the right bank is reported established, I make the
following triangulation and compute the tie as follow.
From the cor. of secs. 9,10,15 and 16, which is an iron
post, 2 ins. in dia., firmly set, and marked and wit-
nessed as described by the surveyor General, I run
N.0°02'W., 2.87 chs. distant to a point computed to be
63.37 chs. N.0°02'W. of point for meander cor. of sec.
15 and 16 on right bank of river. From my N. point, the
witness cor. to the cor. of secs. 15,16,21 and 22 which
is 15.68 chs. S.0°02'E. of the true point for the meander
cor. of secs. 15 and 16 on the left bank of river
bears S.2°30'W. From the N. station
I now measure a base line N.87°30'W.,
20.00 chs. distant, and, from the W.
end of the base the witness cor. to
the cor. of secs. 15,16,21 and 22,
bears S.10° 57'E.



Distance by triangulation = 83.63 chs.

Total northing = 83.55 chs. and easting = 3.65 chs.

By computation the ^{point for} meander cor. of secs. 15 and 16 on
the right bank of river is found to be 4.50 chs. N. and
3.68 chs. E. of the true point for the meander cor. on
the left bank of river; the course and distance of this
line therefore is N.39°17'E., 5.81 chs.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

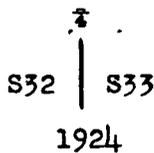
Undergrowth, scattering black brush and mountain rush.

Poor grazing.

Subdivision of T.41 S., R.17 E.

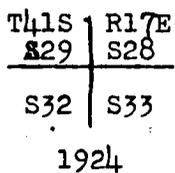
Chains

- From the com. of secs. 4, 5, 32 and 33 on the S. bdy. of the Tp. heretofore described.
- N.0°03'W., bet. secs. 32 and 33.
- Over rolling and broken bench land through scattering undergrowth.
- 5.30 Wash, 15 lks. wide, 4 ft. deep, drains W.
- 15.00 Small wash. drains SW.
- 18.60 Base of small ledges, bears NE. and SW.; ascend.
- 23.45 Top of ledges, 70 ft. above base, bears NE. and SW.; descend.
- 27.25 Base of ledges, bears NE. and SW.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 5x5x3 ins., marked with a cross (X) on one face at base of monument.

- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 28, 29, 32 and 33, with brass cap marked



Deposit a sandstone, 5x4x4 ins., marked with a cross (X) on one face at base of monument.

Land, rolling and broken bench; general W. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

East, on a random line bet. secs. 28 and 33.

- 40.00 Set temp. $\frac{1}{4}$ sec. cor.

Chains

79.94 Intersect N. and S. line 5 lks. N. of the corner of secs. 27, 28, 33 and 34.

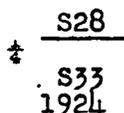
Thence

N. 89° 58' W., on true line bet. secs. 28 and 33.

Over rolling and broken bench through scattering timber and undergrowth.

20.00 Leave timber, bears NW. and SE.

39.97 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for 1/4 sec. cor., with brass cap marked



Deposit a sandstone, 6x4x4 ins., marked with a cross (X) on one face at base of monument.

79.94 The cor. of secs. 28, 29, 32 and 33.

Land, rolling and broken bench; general NW. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

Timber, scattering cedar and pinon on E. 20.00 chs.

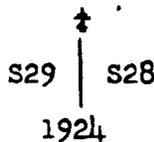
Undergrowth, black brush, amole and mountain rush.

Fair grazing.

N. 0° 03' W., bet. secs. 28 and 29.

Over rolling bench land through scattering undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for 1/4 sec. cor., with brass cap marked



from which

A cedar, 6 ins. diam., bears N. 6° E., 5.00 chs. dist., marked 1/4 S 28 B T

No other trees available.

Deposit a rock, marked with a cross (X) on one face at base of monument.

42.00 Enter scattering timber, bears NW. and SE.

Chains

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 20, 21, 28 and 29, with brass cap marked.

T41S	R17E
S20	S21
S29	S28

1924

from which

A cedar, 8 ins. diam., bears N. $67\frac{1}{2}^{\circ}$ E., 334 lks. dist., marked T 41 S R 17 E S 21 B T

A cedar, 6 ins. diam., bears S. $40\frac{1}{4}^{\circ}$ E., 464 lks. dist., marked T 41 S R 17 E S 28 B T

A cedar, 4 ins. diam., bears S. $52\frac{3}{4}^{\circ}$ W., 142 lks. dist., marked B T

A cedar, 4 ins. diam., bears N. 20° W., 169 lks. dist., marked B T

Land, rolling bench; general W. exposure and drainage. Soil, sandy and rocky; 4th. rate.

Timber, scattering cedar and pinon on N. 38 chs.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S. $89^{\circ}58'E.$, on a random line bet. secs. 21 and 28.

17.81 Top of ledge and brink of mesa; precipitous descent over ledges, down which I cannot chain; to determine the distance, I triangulate as follows:

Set flag "A" on line to the E.

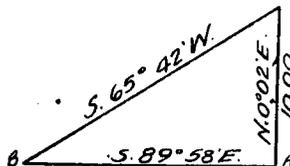
and erect flag "B" at this point.

From flag "A" measure a base line

N. $0^{\circ}02'E.$, 10.00 chs. distant to

a point whence flag "B" bears

S. $65^{\circ}42'W.$ All bearings taken by direct reading of the solar and angles checked by deflection.

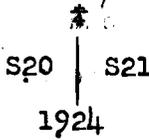


Distance on line	= 17.81 chs.
Distance by triangulation	= <u>22.11</u> chs.
Total	= 39.92 chs.

Chains	
39.92	To point of triangulation.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.84	Intersect N. and S. line 2 lks. N. of the cor. of secs. 21, 22, 27 and 28.
	Thence N. $89^{\circ}57'W.$, on true line bet. secs. 21 and 28.
	Ascend over rough mountainous and broken bench land through scattering undergrowth.
1.00	Brink of canyon, 30 ft. above sec. cor., bears NW. and SE.; thence over bench.
12.10	Top of ledge and brink of canyon, bears NE. and SW.; descend NW. slope.
20.80	Bottom of canyon, 220 ft. below brink, drains NE.; ascend 120 ft.
39.92	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 18 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked
	$\begin{array}{r} S21 \\ \hline \frac{1}{4} \\ S28 \\ 1924 \end{array}$
	Deposit a rock, marked with a cross. (X) on one face at base of monument.
	Cor. stands on W. brink of canyon at point of triangulation; thence by triangulation to
62.03	Top of ledge and triangulation point on brink of Douglas Mesa, 620 ft. above $\frac{1}{4}$ sec. cor., bears NW. and SE.; thence over broken bench land.
79.84	The cor. of secs. 20, 21, 28 and 29.
	Land, rough mountainous and broken benches; general NW. exposure and drainage.
	Soil, sandy and rocky; 4th. rate.
	No timber.
	Undergrowth, black brush. amole and mountain rush.
	Poor grazing.
	N. $0^{\circ}03'W.$, bet. secs. 20 and 21.

Over rolling and broken bench land through scattering timber and undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 24 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



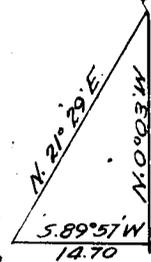
from which

A pinon, 6 ins. diam., bears S.50°E., 26 lks. dist., marked $\frac{1}{4}$ S 21 B T

A cedar, 6 ins. diam., bears S.31°W., 15 lks. dist., marked $\frac{1}{4}$ S 20 B T

40.40 Top of ledge and brink of box canyon, heads about 10 chs. W. and drains NW.; ledge bears E. and W. On account of high ledges ahead on line, I make the following triangulation:

From the $\frac{1}{4}$ sec. cor., set a flag on line N.0°03'W., then measure a base line S.89°57'W., 14.70 chs., to point whence the N. flag bears N.21°29'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on line	= 40.00 chs.
Distance by triangulation	= 37.25 chs. ✓
Total	= 77.25 chs. ✓

77.25 To N. point of triangulation; thence over bench.

78.69 Top of ledge and brink of bench, bears E. and W. Point on for the cor. of secs. 16,17,20 and 21 will fall ^{on} perpendicular ledge where cor. cannot be set; therefore, at this point,

Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and 24 ins. in a mound of stone for witness cor. to the cor. of secs. 16,17,20 and 21, with brass cap marked

Chains

WC	
T41S	R17E
S17	S16
S20	S21
1924	

Deposit a rock, 4x4x5 ins.; marked with a cross (X) on one face at base of monument.

80.00 True point for cor. of secs. 16,17,20 and 21 on ledge where cor. cannot be set.

Land, rough mountainous and broken bench land; general NW. exposure and drainage.

Soil, rocky and sandy; 4th. rate:

Timber, scattering cedar and pinon.

Undergrowth, black brush and mountain rush.

Poor grazing.

S.89°57'E., on a random line bet. secs. 16 and 21.

The line east from the true cor. point of secs. 16,17, 20 and 21 follows along precipitous breaks of mesa, I therefore begin at a point 2.75 chs. S. of the true cor. point and run on offset as follows:

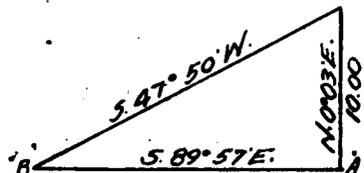
S.89°57'E., 35.34 chs., then

North, 2.75 chs. to true random line at

35.34 Thence S.89°57'E.

36.87 True point for temp. 1/4 sec. cor. falls on breaks of mesa and cannot be reached. Set temp. 1/4 sec. cor. at this point.

To determine the distance to base of mesa, set flag "A" on random line to the E. and erect flag "B" at this point, then from flag "A" measure a base line N.0°03'E., 10.00 chs. distant to a point whence flag



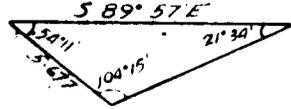
"B" bears S.47°50'W. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance on random line	= 36.87 chs.
Distance by triangulation	= <u>11.02</u> chs. ✓
Total	= 47.89 chs. ✓

Subdivision of T.41 S., R.17 E.

Chains

- 47.89 To E. point of triangulation.
- 64.81 Brink of San Juan River canyon and precipitous descent over ledges, down which I cannot chain. To determine distance to the N. and S. line, triangulate as follows:
Set flag "A" on line S.89°57'E., 3 lks.
S. of true point for cor. of secs. 15,16,21 and 22, then with the telescope directed at this flag deflect an angle of 54°11' to the right and measure a base line 567.7 lks. distant to point whence angle bet. flag "A" and W. point of triangulation is found to be 104°15'.
- | | |
|---------------------------|---------------------|
| Distance on random line | = 64.81 chs. |
| Distance by triangulation | = <u>14.97</u> chs. |
| Total | = 79.78 chs. |
- 79.78 Intersect N. and S. line 3 lks. S. of the true point for cor. of secs. 15,16,21 and 22.
Thence N.89°58'W., on true line bet. secs. 16 and 21.
Over rough mountainous land over breaks of San Juan River Canyon. Ascend precipitous NE. slope.
- 14.97 To point of triangulation on brink of canyon, 420 ft. above point for sec. cor., bears NW. and SE.; thence over broken bench land.
- 31.89 Base of breaks of Douglas Mesa and point of triangulation, bears N. and S.; thence by triangulation.
- 39.89 Point for $\frac{1}{2}$ sec. cor. falls on breaks of mesa and cannot be set.
- 42.91 Point of triangulation on top rim of Douglas Mesa, 460 ft. above base, bears N. and S.; thence over broken bench.
- 43.49 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the $\frac{1}{2}$ sec. cor., with brass cap marked



$\frac{1}{2}$ $\frac{S16}{S21}$ WC
 1924

Chains

from which

- A cedar, 8 ins.diam., bears S.30°E., 115 lks.
dist., marked W C $\frac{1}{4}$ S 21 B T
- A pinon, 4 ins.diam., bears N.68°W., 100 lks.
dist., marked B T

44.44

Offset, south, 2.75 chs., then on offset line
N.89°58'W., 35.34 chs., then offset
North, 2.75 chs. to true line, on which at

79.78

Intersect true point for cor. of secs. 16,17,20 and 21.
Land, rough mountainous and broken benches; general N.
exposure and drainage.
Soil, rocky and sandy; 4th. rate.
Timber, scattering cedar and pinon on canyon rims.
Undergrowth, black brush and mountain rush.
Poor grazing.

N.0°03'W., bet. secs. 16 and 17; from true cor. point
secs. 16,17,20 and 21.

Over rough mountainous and broken bench land; descend
precipitous break of Douglas mesa over ledges and
boulders.

9.70 Base of steep descent, descend more gradually.

19.50

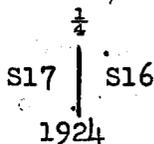
Wash, 10 lks. wide, 4 ft. deep, 420 ft. below sec. cor.
drains NW.; gradually ascend.

35.50

Begin ascent over broken sandstone ledges, bears E.
and W.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in
the ground on solid rock and in a large mound of stone
for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 6x4x4 ins., marked with a cross(X)
on one face at base of monument.

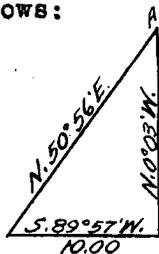
The line north passes over high ledges on break of a
sandstone mountain over which it is impracticable to

Subdivision of T.41 S., R.17 E.

Chains

chain, I therefore triangulate as follows:

Set flag "A" on line N.0°03'W. on top of mountain, then measure a base line, S.89°57'W., 10.00 chs. to point whence flag "A" bears N.50°56'E. All bearings taken by



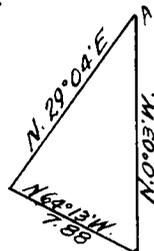
direct reading of the solar and angles checked by deflection.

Distance on line = 40.00 chs.
 Distance by triangulation = 8.10 chs.
 Total = 48.10 chs.

48.10 To N. point of triangulation on top of mountain, 300 ft. above $\frac{1}{4}$ sec. cor., bears E. and W.; thence over rolling top.

62.07 Top of high ledge and rim of mountain, bears N.60°W. and S.60°E. down which I cannot chain; to determine the distance to base of mountain, I make the following triangulation:

Set flag "A" on line N.0°03'W., then measure a base line N.64°13'W., 7.88 chs. to point whence flag "A" bears N.29°04'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on line = 62.07 chs.
 Distance by triangulation = 16.17 chs.
 Total = 78.24 chs.

78.24 To N. point of triangulation and base of mountain, 410 ft. below top, bears NW. and SE.; thence over bench.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 12 ins. in a mound of stone for cor. of secs. 8,9,16 and 17, with brass cap marked

T41S	R17E
S8	S9
S17	S16

Chains

Deposit a stone, marked with a cross (X) on one face at base of monument.

Land, rough mountainous and broken benches; general N. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

S. 89° 58' E. on true line bet. secs. 9 and 16.

Descend over rough broken bench land sloping towards San Juan River, through scattering undergrowth.

36.30 Begin precipitous descent over rim ledges into San Juan River canyon, bears NW. and SE,

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{S9}{\frac{1}{4}}$
 S16
 1924

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor. Continue precipitous descent.

50.76 The true point for meander cor. of secs. 9 and 16 on the left bank of San Juan River will fall on inaccessible ground, therefore, at this point,

On surface rock, mark a cross (X) and over same, Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for witness cor. to the meander cor. of secs. 9 and 16 on left bank of San Juan River, with brass cap marked

T41S
 S9 | WC
 S16 | MC
 R17E
 1924

53.00 The true point for meander cor. secs. 9 and 16 on left bank of river falls on inaccessible ground. No cor. set In order to make a tie to the/point for the previously established meander cor. of secs. 9 and 16 on the right bank of

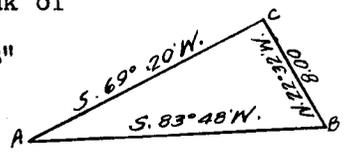
Subdivision of T.41 S., R.17 E.

C. 474

San Juan River, I proceed as follows:

I am unable to reach the point where the meander cor. of secs. 9 and 16 on the right bank of the river is reported to be established on account of inaccessible ledges and vertical canyon wall, I therefore make the following triangulation and compute the tie. I erect flag "A" at the witness cor. to the meander cor.

of secs. 9 and 16 on the left bank of the river, then establish flag "B" 2.87 chs. N.0°02'W. of the cor. of secs. 9,10,15 and 16 hereto-



fore described. The line "BA" bears S.83°48'W. I now measure base line "BC", N.22°32'W., 8.00 chs. distant and find that line "CA" bears S.69°20'W. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance of line "AB" by triangulation=32.01 chs., which reduced to cardinals counting from the witness meander cor. = 31.82 chs. E. and 3.46 chs. N.

3.46 chs.- 2.87 chs.= .59 chs. the distance that the point for the meander cor. on the right bank of river is north of the true point for meander cor. on left bank.

(31.82 chs.- 24.00 chs.)- 2.24 chs. = 5.58 chs. the distance that the point for the meander cor. on the right bank is east of the true point for meander cor. on the left bank; the computed course and distance connecting these cor. points therefore is N.83°58'E., 5.61 chs.

Land, rough bench and precipitous breaks of canyon; general N. exposure and drainage.

Soil, rocky; 4th. rate.

Undergrowth, black brush and mountain rush.

No timber. Poor grazing.

From the cor. of secs. 8,9,16 and 17.

N.0°03'W., bet. secs. 8 and 9.

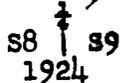
Over broken bench land through scattering undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in

Chains

the ground for $\frac{1}{2}$ sec. cor., with brass cap marked



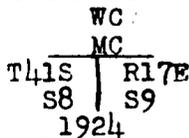
Deposit a stone, 6x4x3 ins., marked with a cross (X) on one face at base of monument.

Begin steeper descent towards San Juan River.

63.80 Begin descent over ledges, bears E. and W.

76.70 Point for meander cor. of secs. 8 and 9 on left bank of San Juan River will fall on inaccessible ground where cor. cannot be set, therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 8 and 9 on the left bank of San Juan River, with brass cap mark

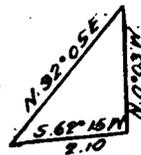


Deposit a stone, 5x5x4 ins., marked with a cross (X) on one face at base of monument.

Cor. stands 500 ft. below $\frac{1}{2}$ sec. cor.

In order to determine the distance to the true point for the meander cor., I triangulate as follows:

A point at the true position for the meander cor. of secs. 8 and 9 on the left bank of the river bears N.0°03'W. I now measure a base line S.62°15'W., 2.10 chs. to point whence



the true position of the meander cor. bears N.32°05'E.

All bearings taken by direct reading of the solar.

Distance on line bet. secs. 8 and 9 to witness cor. to meander cor. on left bank = 76.70 ch
 Distance by triangulation = 1.98 ch
 Total = 78.68 ch

78.68 True point for meander cor. of secs. 8 and 9 on left bank of river falls on inaccessible ground.

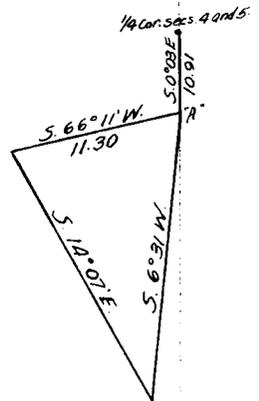
Note: Point 80.00 chs. N.0°03'W. of the cor. of secs. 8, 9, 16 and 17 falls in San Juan River.

I am unable to reach the point where the meander cor. of secs. 4 and 5 on the right bank of San Juan River is reported to be established on account of inaccessible ledges, therefore, in order to make a tie across river to the point for meander cor. of secs. 4 and 5 on the

Subdivision of T.41 S., R.17 E.

right bank of the river I make the following triangulation and compute the tie as follows:

From the $\frac{1}{4}$ sec. cor. bet. secs. 4 and 5, which is an iron post, 1 in. in dia., firmly set, and marked and witnessed as described by the surveyor general, I run $S.0^{\circ}03'E.$ 10.91 chs. to a point designated "A" (further measurement south impossible on account of ledges). From point "A" the witness cor. to the meander cor. of secs. 8 and 9 on the left bank bears $S.6^{\circ}31'W.$ Measure base line "AB" $S.66^{\circ}11'W.,$ 11.30 chs. to point where the witness meander cor. bears $S.14^{\circ}07'E.$ All bearings taken by direct reading of the solar.



Distance from "A" to witness meander cor. = 31.61 chs. or a southing of 31.41 chs. and westing of 3.58 chs. 3.58 chs. + .03 chs. = 3.61 chs. the distance the meander cor. on the right bank is east of the true point for the meander cor. on the left bank.

(31.41 chs. - 21.20 chs.) - 1.98 chs. = 8.23 chs, the distance the meander cor. on the right bank is north of the true point for meander cor. on the left bank; the computed course and distance connecting these cor. points therefore is $N.23^{\circ}41'E.,$ 8.99 chs.

Land, rough mountainous; N. exposure and drainage.

Soil, rocky; 4th. rate.

Undergrowth, black brush and mountain rush.

No timber. Poor grazing.

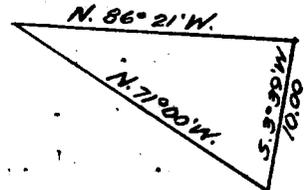
Make the following tie and triangulation from the witness cor. to the meander cor. of secs. 8 and 9 on the left bank of San Juan River to the witness cor. to the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8 which is an iron post, 1 in. in dia., firmly set, and marked and witnessed as described by the surveyor general and compute the tie from the point where the meander cor. of secs. 5 and 8

Chains

is reported to be established to the true point for the meander cor. of secs. 8 and 9 on the left bank of the river as follows: (Am unable to reach true point for meander cor. on the right bank of river on account of impassable ledges.)

From the witness cor. to the meander cor. on the left bank of river, the witness cor. to the $\frac{1}{4}$ sec. cor. bet. secs. 5 and 8 bears N.86°21'W.

From the witness cor. to the meander cor. measure a base line S.3°39'W., 10.00 chs.



From S. end of base the witness cor. to the $\frac{3}{4}$ sec. cor. bears N.71°00'W.

Distance by triangulation = 36.43 chs. or a westing of 36.36 chs. and northing of 2.32 chs. from the witness meander cor. on the left bank of river to the witness cor. to the $\frac{3}{4}$ sec. cor. bet. secs. 5 and 8.

36.36 chs. - 27.35 chs. = 9.01 chs. the distance the true point for meander cor. of secs. 8 and 9 on left bank of river is east of point for meander cor. bet. secs. 5 and 8 on the right bank of river.

2.32 chs. - 1.98 chs. = .34 chs. the distance the true point for meander cor. of secs. 8 and 9 on left bank of river is south of point for meander cor. of secs. 5 and 8 on right bank of river.

The computed course and distance bet. these cor. points therefore is N.87°50'W., 9.02 chs.

S.89°58'E., on true line bet. secs. 4 and 9.

It being impossible to run from point 80.00 chs. N.0°03'W. of cor. of secs. 8, ^{9, 16 and 17 as said} point falls in San Juan River, I begin at the witness cor. to the meander cor. of secs. 8 and 9 on the left bank of river which is 3.30 chs. S.0°03'E. of the point for the sec. cor.

Thence on traverse line.

N.60°E., 6.60 chs. to point on line bet. secs. 4 and 9

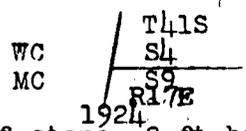
Subdivision of T.41 S., R.17 E.

Chains 5.72 chs. S. 89° 58' E. of point 80.00 chs. N. 0° 05' W., of cor. of secs. 8, 9, 16 and 17

The topography on line S. 89° 58' E. from this point is:

4.00 Left bank of San Juan River and point for meander cor. of secs. 4 and 9; this point is inaccessible and falls on sandstone wall. Ascend over ledges.

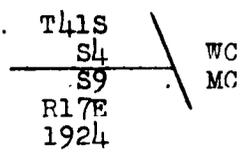
5.72 To point on traverse line.
Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for witness cor. to the meander cor. of secs. 4 and 9 on the left bank of San Juan River, with brass cap marked



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of cor. Thence, S. 89° 58' E., on true line bet. secs. 4 and 9. Ascend over breaks of San Juan River Canyon.

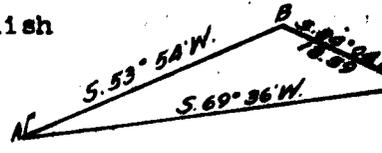
24.30 Spur, 440 ft. above witness meander cor., projects N.; descend abruptly over ledges.

35.34 The true point for meander cor. of secs. 4 and 9 on left bank of San Juan River will fall on ground where it is impracticable to establish cor., therefore at this point, Mark a cross (X) on surface rock, over which Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for witness cor. to the meander cor. of secs. 4 and 9 on left bank of river, with brass cap marked



39.84 True point for meander cor. of secs. 4 and 9 on left bank of San Juan River. Unable to establish cor. at this point. I find it impossible to descend the E. wall of the San Juan River Canyon on account of ledges, or reach the point where the meander cor. of secs. 4 and 9 on the right bank of the river is reported to be established, I therefore make the following triangulation and compute the tie bet. the true point for the meander cor. of secs. 4 and 9 on the left bank and point for the meander cor. on the right bank as follows:

Chairs. I erect flag "A" at the witness cor. to the meander cor. on secs. 4 and 9 on the left bank of the river, and the at a point 23.93 chs. W. and 18.61 chs. N. of the cen. of secs. 3, 4, 9 and 10 which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as described by the surveyor general, establish point "B". The line "BA" bears S. 53° 54' W. I now measure base line "BC", S. 84° 04' E., 18.59 chs. to point whence line "CA" bears S. 69° 36' W. All bearings taken by direct reading of the solar.



Distance of line "AB" by triangulation = 30.47 chs. or an easting of 24.62 chs. and northing of 17.95 chs. from flag "A".

18.61 chs. - 17.95 chs. = .66 chs. the distance that the point for meander cor. on the right bank is south of true point for meander cor. on left bank.

(24.62 chs. - 12.78 chs.) - 4.50 chs. = 7.34 chs. the distance that the point for the meander cor. on the right bank is east of true point for meander cor. on the left bank; the course and distance of the line connecting these cor. points therefore is S. 84° 52' E. 7.37 chs.

Land, rough mountainous; N. exposure and drainage.

Soil, rocky; 4th. rate.

Undergrowth, black brush and mountain rush.

No timber. . . Poor grazing.

From the cor. of secs. 5, 6, 31 and 32 on the S. bdy. of the Tp. heretofore described.

N. 0° 03' W., bet. secs. 31 and 32.

Over rolling mesa through short undergrowth.

40.00

Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{2}$ sec. cor., with brass cap marked

Subdivision of T. 11 S. R. 17 E.

Deposit a stone, 4x4x2 ins., marked with a cross (X) on one face at base of monument.

55.00 Draw, drains NW.

66.75 Small rim ledge, bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 29, 30, 31 and 32, with brass cap marked

THIS	R17E
S30	S29
S31	S32

1924

Deposit a stone, 4x4x2 ins., marked with a cross (X) on one face at base of monument.

Land, rolling mesa; NW. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

Undergrowth, black brush, amole and mountain rush.

No timber. Fair grazing.

East, on a random line bet. secs. 29 and 32.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect N. and S. line 5 lks. N. of the cor. of secs. 28, 29, 32 and 33.

Thence

N. 89° 58' W., on true line bet. secs. 29 and 32.

Over rolling mesa through short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

S29
$\frac{1}{4}$ S32
1924

Deposit a stone 4x4x3 ins., marked with a cross (X) on one face at base of monument.

80.00 The cor. of secs. 29, 30, 31 and 32.

Land, rolling mesa; NW. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

Undergrowth, black brush, amole and mountain rush.

No timber. Fair grazing.

West, on a random line bet. secs. 30 and 31.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.55 Intersect W. bdy. of the Tp. 5 lks. S. of the cor. of

- Chains secs. 25, 30, 31 and 36 heretofore described, arise
 Thence
 S.89°58'E., on true line bet. secs. 30 and 31.
 Over rolling bench land through short undergrowth.
- 38.55 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S30} \\ \hline \text{S31} \\ \hline 1924 \end{array}$$
- Deposit a stone, 4x4x3 ins., marked with a cross (X) on
 one face at base of monument.
- 53.50 Large draw, drains NW.
- 63.00 Low rise, bears NW. and SE
- 78.55 The cor. of secs. 29, 30, 31 and 32.
 Land, rolling mesa; NW. exposure and drainage.
 Soil, sandy and sandstone rock; 4th. rate.
 Undergrowth, black brush, amole and mountain rush.
 No timber. Fair grazing.
-
- N.0°03'W., bet. secs. 29 and 30.
 Over rolling mesa through short undergrowth.
- 25.00 Draw, drains W.
- 40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
 the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S30} \quad | \quad \text{S29} \\ \hline 1924 \end{array}$$
- Deposit a stone, 4x4x3 ins., marked with a cross (X) on
 one face at base of monument.
- 52.00 Low rise, bears E. and W.
- 80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in
 the ground for cor. of secs. 19, 20, 29 and 30, with brass
 cap marked

$$\begin{array}{c} \text{T41S} \quad | \quad \text{R17E} \\ \hline \text{S19} \quad | \quad \text{S20} \\ \hline \text{S30} \quad | \quad \text{S29} \\ \hline 1924 \end{array}$$
- Deposit a stone, 6x4x3 ins., marked with a cross (X) on
 one face at base of monument.
- Land, rolling mesa; NW. exposure and drainage.
 Soil, sandy and sandstone rock; 4th. rate.
 Undergrowth, black brush, amole and mountain rush.
 No timber. Fair grazing.

.Subdivision of T.41 S., R.17 E.

chains

no.

S.89°58'E., on a random line bet. secs. 20 and 29.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.06 Intersect N. and S. line 3 lks. N. of the cor. of secs.
20, 21, 28 and 29.

Thence

N.89°57'W., on true line bet. secs. 20 and 29.

Over rolling mesa through scattering timber and medium
growth of undergrowth.

5.00 Leave timber, bears NW. and SE.

40.03 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S20}{S29}$$
 1924.
Deposit a stone, 6x5x3 ins., marked with a cross (X) on
one face at base of monument.

80.06 The cor. of secs. 19, 20, 29 and 30.

Land, rolling mesa; general NW. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

Timber, scattering cedar and pinon on E. 5 chs.

Undergrowth, black brush, amole, mountain rush and
greasewood.

Fair grazing land.

N.89°58'W., on a random line bet. secs. 19 and 30.

40.00 Set temp. $\frac{1}{4}$ sec. cor.78.52 Intersect W. bdy. of the Tp. 5 lks. N. of the cor. of
secs. 19, 24, 25 and 30 heretofore described.

Thence

East, on true line bet. secs. 19 and 30.

Over rolling mesa through medium growth of under brush.

10.00 Draw, drains NW.

38.52 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked
$$\frac{1}{4} \frac{S19}{S30}$$
 1924

Chains

Deposit a stone, 7x5x4 ins., marked with a cross (X) on one face at base of monument.

78.52

The cor. of secs. 19, 20, 29 and 30.
Land, rolling mesa; general NW. exposure and drainage.
Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

N.0°03'W., bet. secs. 19 and 20.

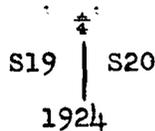
Over rolling mesa through scattering undergrowth.

5.00 Draw, drains W.

12.00 Top of low rise, bears E. and W.

29.00 Large draw, drains W.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



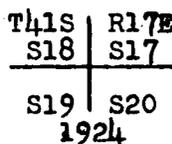
Deposit a stone, 6x3x3 ins., marked with a cross (X) on one face at base of monument.

60.00 Small butte, bears E. about 20 chs. distant.

65.00 Low rise, bears E. and W.

75.00 Small draw, drains SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 17, 18, 19 and 20, with brass cap marked



from which

A cedar, 10 ins. diam., bears S. 77 $\frac{1}{2}$ ° W., 198 lks.

dist., marked T.41 S R.17 E S 19 B T.

No other trees available.

Deposit a stone, 8x4x4 ins., marked with a cross (X) on one face at base of monument.

Subdivision of T.41 S., R.17 E.

chains

Land, rolling mesa; general W. exposure and drainage.

Soil, sandy and rocky; 4th. rate.

Timber, a few scattering cedar and pinon on N. portion of mile.

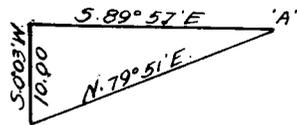
Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.89°57'E., on a random line bet. secs. 17 and 20.

14.51 High ledges and breaks of mesa prevent further chaining on this line, I therefore triangulate as follows:

Set flag "A" on random line to the east, then measure base line S.0°03'W., 10.00 chs. to point



whence flag "A" bears N.79°51'E.

All bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation = 55.58 chs., which added to 14.51 chs. makes

70.09 To flag "A" on random line.

In order to establish the temp. $\frac{1}{2}$ sec. cor. I make a triangulation from the 70.09 chs. point as follows:

Set flag "A" on random line N.89°57'W.,

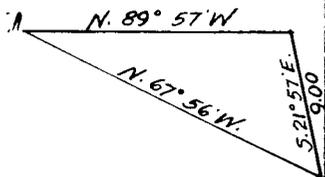
then measure base line S.21°57'E.,

9.00 chs. to point where flag "A"

bears N.67°56'W. All bearings

taken by direct reading of the

solar and angles checked by deflection.



Distance by triangulation = 17.26 chs. which subtracted from 70.09 chs. makes

52.83 To west point of triangulation; continue by return measurement to

40.00 Set temp. $\frac{1}{2}$ sec. cor.

From the 70.09 chs. point continue

S.89°57'E. on random line.

72.20 To pass high ledge breaks, I offset as follows:

SUBDIVISION of T.41 S., R.17 E.

Chains

- South, 2.75 chs., then
 S.89°57'E., on offset. line 7.88 chs., then
 North, 2.75 chs. to true random line, on which at
 80.08 Intersect N. and S. line 5 lks. S. of the true point
 for the cor. of secs. 16,17,20 and 21.
 Thence
 N.89°59'W., on true line bet. secs. 17 and 20.
 Over high ledges and breaks of mesa, to pass which I
 offset as follows:
 South, 2.75 chs., then on offset line
 N.89°59'W., 7.88 chs., over top of mesa, then
 North, 2.75 chs. to true line at
 7.88 Thence N.89°59'W.
 9.99 To point of triangulation on brink of mesa, bears N. and
 S.; thence by triangulation; descend precipitous break
 of mesa.
 27.25 W. point of triangulation at base of mesa, 480 ft. below
 top, bears NW. and SE.; thence over broken land.
 28.60 Wash, in large draw, drains NW.; begin ascent over NE.
 slope of break of Douglas mesa.
 100.04 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in
 the ground on solid rock and in a large mound of stone
 for $\frac{1}{2}$ sec. cor., with brass cap marked
- $$\frac{1}{2} \frac{S17}{S20 \quad 1924}$$
- Deposit a stone, 8x6x4 ins., marked with a cross (X) on
 one face at base of monument.
 Cor. stands on NE. slope 100 ft. above draw.
 The line to the west ascends breaks of mesa and cannot
 be chained; thence by triangulation to
 65.57 To point of triangulation on brink of Douglas mesa, about
 400 ft. above $\frac{1}{2}$ sec. cor., bears NW. and SE.; thence
 over broken top to
 80.08 The cor. of secs. 17,18,19 and 20.
 Land, broken mesa and rough mountainous; general N.

Subdivision of T.41 S., R.17 E.

Chains

exposure and drainage.

Soil, rocky and sandy; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

West, on a random line bet. secs. 18 and 19.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.49 Intersect W. bdy. of the Tp. at the cor. of secs. 13, 18, 19 and 24, heretofore described.

Thence

East, on true line bet. secs. 18 and 19.

Over rolling and broken mesa through scattering undergrowth.

38.49 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\begin{array}{r} \frac{1}{4} \text{ S18} \\ \hline \text{S19} \\ 1924 \end{array}$$

Deposit a stone, 6x4x3 ins., marked with a cross (X) on one face at base of monument.

58.50 Small sandstone butte, bears N. about 5 chs. distant.

78.49 The cor. of secs. 17, 18, 19 and 20.

Land, rolling and broken mesa; general W. exposure and drainage.

Soil, sandy and rocky; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

N.0°03'W., bet. secs. 17 and 18.

Over rolling mesa through scattering undergrowth.

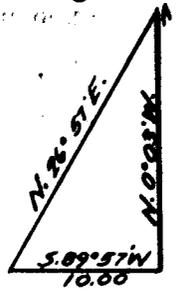
5.00 Enter cedar and pinon timber, bears E. and W.

17.79 Top of high ledge and N. brink of Douglas Mesa, leave timber, bears E. and W. To determine the distance to

Chains

the base of mesa, I make the following triangulations:

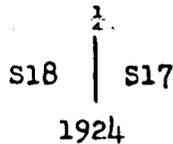
Set flag "A" on line N.0°03'W. at base of mesa, then measure a base line S.89°57'W., 10.00 chs. to point where flag "A" bears N.26°57'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 19.63 chs., which added to 17.79 chs. gives

37.42 To N. point of triangulation about 500 ft. below rim of mesa; continue to descend.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for 1/2 sec. cor., with brass cap marked .



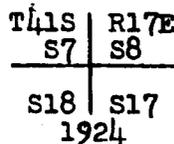
Deposit a stone, 8x6x6 ins., marked with a cross (X) on one face at base of monument.

Cor. stands at base of a small ledge; continue to descend

49.65 Ledge, 150 ft. high and brink of canyon, bears NW. and SE.; descend abruptly.

65.00 Bottom of canyon, 500 ft. below brink, drains N.5°W.; gradually descend along W. slope near bottom of canyon.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for cor. of secs. 7,8,17 and 18, with brass cap marked



Deposit a stone, marked with a cross (X) on one face at base of monument.

Land, rolling mesa and rough mountainous; general N. exposure and drainage.

Subdivision of T.41 S., R.17 E.

Chains

Soil, rocky and sandy; 4th. rate.

Timber, cedar and pinon on S. 17.79 chs.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

S.89°59'E., on a random line bet. secs. 8 and 17.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.06 Intersect N. and S. line 7 lks. N. of the cor. of secs.
8,9,16 and 17.

Thence

N.89°56'W., on true line bet. secs. 8 and 17.

Over broken bench land along N. slope of sandstone
mountain to the S., through scattering undergrowth.

15.00 Spur, 225 ft. above sec. cor., projects N.; base of
high ledge bearing E. and W. bears S. about 2 chs.
distant; descend.

40.03 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in
the ground for $\frac{1}{4}$ sec. cor., with brass cap marked

$$\frac{1}{4} \frac{s8}{s17} 1924$$

Deposit a stone, 6x4x3 ins., marked with a cross (X)
on one face at base of monument.

67.80 Top of ledge and rim of canyon, bears N. and S.; descend
abruptly 500 ft. to

80.06 The cor. of secs. 7,8,17 and 18.

Land, broken bench and rough mountainous; general N.
exposure and drainage.

Soil, sandy and rocky; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

West, on a random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

78.48 Intersect W. bdy. of the Tp. 9 lks. S. of the cor. of

Subdivision of T. 11 S., R. 17 E.

Chains

secs. 7, 12, 13 and 18, heretofore described.

Thence

S. 89° 56' E., on true line bet. secs. 7 and 18.

Over rolling and broken bench land through medium growth of short undergrowth.

11.00 Base of ledge and rocky ridge, bears N. and S.; ascend.

22.00 Top of ridge, 85 ft. above sec. cor., bears NW. and SE.; gradually descend.

36.80 Top of high ledge and rim of Douglas Mesa, bears NW. and SE.; descend abruptly.

38.48 At base of small ledge.

Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and in a large mound of stone for 1/2 sec. cor., with brass cap marked

1 S7
S18
1924

Deposit a stone, 10x8x6 ins., marked with a cross (X) on one face at base of monument.

Continue abrupt descent.

43.80 Top of high ledge, bears N. and S.

58.00 Bank of canyon bears NW. and SE. Descend precipitously.

77.50 Bottom of canyon, 500 ft. below 1/2 sec. cor., drains N.; ascend.

78.48 The cor. of secs. 7, 8, 17 and 18.

Land; rolling bench and rough mountainous; general N. exposure and drainage.

Soil, rocky and sandy; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

N. 0° 03' W., bet. secs. 7 and 8.

Over rough mountainous land along rocky W. slope of canyon, through scattering undergrowth.

35.40 Top of ledge, bears E. and W.; begin precipitous descent

on N. slope toward San Juan River.

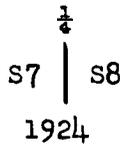
Subdivision of T.41 S., R.17 E.

Chains

40.00

On surface rock, mark a cross (X) at exact cor. point, over which

Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked



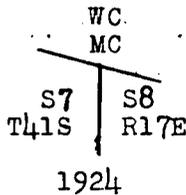
Continue precipitous descent.

48.93

Top of high ledge, bears NW. and SE.; point for meander cor. of secs. 7 and 8 on the left bank of San Juan River will fall on inaccessible ground where cor. cannot be set, therefore, at this point,

On surface rock, mark a cross (X) at exact cor. point, over which

Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for witness cor. to the meander cor. of secs. 7 and 8 on the left bank of San Juan River, with brass cap marked



To determine the distance to the true point for the meander cor., I make the following triangulation:

Observe a point at the true position for the meander cor. on left bank of the river, then measure a base line S.89°57'W., 1.00 ch. distant to point whence true point for meander cor. bears N.14°09'E.



Distance by triangulation = 3.95 chs., which added to 48.93 chs. makes

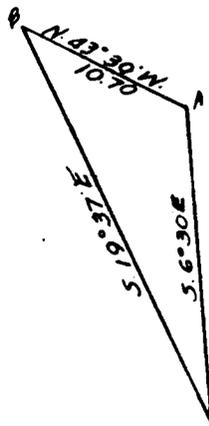
52.88

True point for meander cor. of secs. 7 and 8 on the left bank of San Juan River. Cor point on inaccessible ground.

Chains

I am unable to reach the true point for the meander cor. or the point where the witness cor. to the meander cor. of secs. 7 and 8 on the right bank of San Juan River is reported established on account of inaccessible ledges and breaks of canyon, I therefore make the following triangulation and compute the tie from the true point for the meander cor. on the left bank of the river to the true point for meander cor. on the right bank of river as follows:

From the witness cor. to the cor. of secs. 5, 6, 7 and 8 established 50 lks. W. of the true cor. point and which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as described by the surveyor general, I run, S.23°W., 12.50 chs. to a point which I designate "A". From point "A" the witness cor. to the meander cor. of secs. 7 and 8 on the left bank of river, bears S.6°30'E. I now measure base line "AB", N.43°30'W., 10.70 chs. and find that from point "B" the witness meander cor. on the left bank bears S.19°37'E.



Distance by triangulation from "A" to the witness cor. to the meander cor. on the left bank of river is 19.09 chs or a southing of 18.97 chs. and easting of 2.16 chs. 5.40 chs. - 2.16 chs. = 3.24 chs. the distance that the true point for meander cor. on the right bank of river is E. of the true point for meander cor. on the left bank.

(18.97 chs. - 12.05 chs.) - 3.95 chs. = 2.97 chs. the distance that the true point for meander cor. on the right bank of river is N. of true point for meander cor. on the left bank.

The computed tie across river therefore is N.47°29'E., 4.40 chs.

Subdivision of T.41 S., R.17 E.

chains

Land, rough mountainous; N. exposure and drainage.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

From the cor. of secs. 1, 6, 7 and 12 on the W. bdy. of the Tp., heretofore described.

S.89°56'E., on true line bet. secs. 6 and 7.

Over broken top of mesa through scattering scrub timber and short undergrowth.

26.60 Top of high ledge and rim of Douglas Mesa, bears NW. and SE.; descend abruptly.

38.48 Westing of 40.00 chs. from line bet. secs. 7 and 8.
Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone over a cross (X) on surface rock for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ $\frac{S6}{S7}$
1924

Cor. stands on rugged slope, 560 ft. below sec. cor.; continue abrupt descent.

44.00 Ledge, 150 ft. high and main rim of San Juan River Canyon, bears N. and S.

46.30 The true point for the meander cor. of secs. 6 and 7 on the left bank of San Juan River will fall on inaccessible ground where cor. cannot be set, therefore, at this point,
Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and in a large mound of stone for witness cor. to the meander cor. of secs. 6 and 7 on left bank of San Juan River, with brass cap marked

This
 $\frac{S6}{S7}$ WC
R17E MC

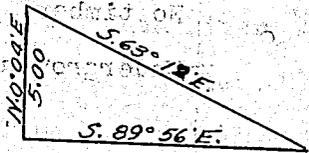
1924

Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.

Chains

To determine the distance to the true point for the meander cor., I triangulate as follows:

Observe a point at the true position for meander cor., then measure a base line N.0°04'E., 5.00 chs.



distant to point whence the true point for meander cor. bears S.63°12'E.

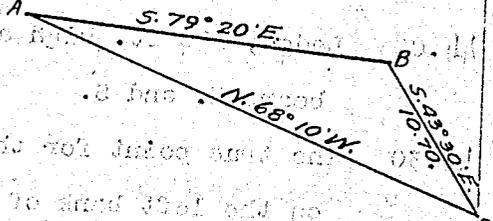
Distance by triangulation = 9.93 chs.; which added to 46.30 chs. makes

56.23

To true point for meander cor. of secs. 6 and 7 on left bank of river. Unable to establish cor. at this point.

In order to make a tie across San Juan River to the point for the previously established meander cor. of secs. 6 and 7 on the right bank I make the following triangulation and compute the tie as it is impossible to reach the point where the meander cor. of secs. 6 and 7 is reported established on account of inaccessible ledges and breaks of canyon.

I designate the witness cor. to the meander cor. of secs. 6 and 7 on the left bank of river "A"; then at a point 12.76 chs. W. and 3.75 chs. S. of the true point for cor. of secs. 5, 6, 7 and 8 heretofore described set point "B".



The line "AB" bears S.79°20'E.

I now measure base line "BC", S.43°30'E., 10.70 chs. and find that the line "CA" bears N.68°10'W. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance of line "AB" by triangulation = 23.06 chs. or an easting of 22.66 chs. and southing of 4.27 chs. from point "A".

4.27 chs. - 3.75 chs. = .52 chs. the distance the meander cor. on the right bank is south of true point for meander cor. on left bank.

(22.66 chs. - 5.77 chs.) - 9.93 chs. = 6.96 chs. the distance the meander cor. on the right bank is east of the true point for meander cor. on the left bank. The computed tie across river therefore is S.85°44'E., 6.98 chs.

Land, rough broken bench land and breaks of San Juan River Canyon; N. exposure and drainage.

Soil, rocky; sandstone formation; 4th. rate.

Timber, a few scattering cedar and pinon.

Undergrowth, black brush and mountain rush.

Poor grazing.

OFFSET MEANDERS OF THE LEFT BANK OF
SAN JUAN RIVER,
DOWN STREAM.

I begin at the witness cor. to the meander cor. of secs. 25 and 30 on the East bdy. of the Tp., established by me and described in book "A", T.41 S., R.18 E., Group 149, Utah.

Thence on offset meander line in sec. 25.

Along top of ledge wall over river.

- | | |
|------------------------|--|
| S.83°W., 13.70 chs. | At end of course left bank of river bears N.7°W., 6.00 chs. distant and is 325 ft. below. |
| N.44°30'W., 13.50 chs. | At end of course left bank of river bears N.45°30'E., 6.00 chs. distant and is 325 ft. below. |
| N.15°45'W., 10.50 chs. | At end of course left bank of river bears N.74°15'E., 6.00 chs. distant and is 325 ft. below. |
| N.8°41'W., 16.33 chs. | To witness cor. to meander cor. bet. secs. 24 and 25, 4.45 chs. N.89°58'W. of true cor. point. |

Land, rough mountainous; ledges.

Chains

Thence on offset line in sec. 24.

Along ledge wall and breaks of canyon.

Being unable to make direct measurement along the offset line on account of the precipitous nature of the country

I make the following triangulation:

From the witness cor. to the meander cor. of secs. 24 and 25 on the left bank of the river which is 4.45 chs.

N. 89° 58' W. of the true cor. point, I set flag designate

"A" N. 25° 27' E. on top of ledge wall;

then from the witness cor. to the

meander cor. measure a base line

west, 11.83 chs. to point where

flag "A" bears N. 37° 44' E. All

bearings taken by direct reading

of the solar and angles checked by deflection.

Distance by triangulation from witness cor. to meander

cor. to flag "A" = 43.96 chs.; the course and distance

of the first course of the offset meander line therefore

is:

N. 25° 27' E., 43.96 chs.

At 9.00 chs. intersect left bank of river.

At 19.00 chs. left bank of river bears W. 3 chs. distant.

At 29.00 chs. intersect left bank of river. left bank of At end of course/river bears E. 7.00 chs. distant and is 600 ft. below.

N. 29° E., 12.60 chs.

At this point left bank of river bears E. 3.00 chs. dist. and is 600 ft. below.

N. 31° W., 7.80 chs.

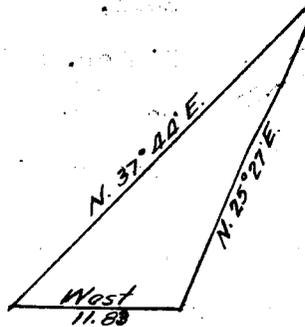
At this point left bank of river bears E. 7.00 chs. dist. and is 650 ft. below.

N. 50° 30' W., 8.60 chs.

At this point left bank of river bears N. 9.00 chs. dist. and is 600 ft. below.

S. 76° 30' W., 17.50 chs.

At this point left bank of river bears N. 10.00 chs. dist. and is 600 ft. below.



Meanders, T.41 S., R.17 E.

Chains

S.29°W., 7.80 chs.

At this point left bank of river is 9.00 chs. W. and 620 ft. below.

S.15°W., 37.00 chs.

At this point left bank of river bears 9.00 chs. west and is 700 ft. below.

S.9°W., 7.90 chs.

At this point left bank of river bears W. 10.00 chs. dist. and is 680 ft. below.

S.38°30'W., 10.80 chs.

To witness cor. to the meander cor. of secs. 24 and 25 which is 9.91 chs. S.89°58'E. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 25.

From the witness cor. to the meander cor. of secs. 24 and 25, 9.91 chs. S.89°58'E. of true cor. point.

S.73°38'W. for signal at the witness cor. to the meander cor. of secs. 25 and 26 on left bank of river which is 6.22 chs. S.0°01'E. of true cor. point.

On account of high ledges and breaks of canyons, I am compelled to triangulate this distance as follows:

From the witness cor. to the meander

cor. of secs. 24 and 25 the

witness cor. to the meander

cor. of secs. 25 and 26 bears

S.73°38'W. From the first

described cor. I measure a base line south, 8.09 chs.

distant to point whence the witness cor. to the meander

cor. bet. secs. 25 and 26 bears West. All bearings

taken by direct reading of the solar and angles checked

by deflection.

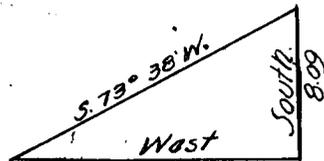
Distance by triangulation = 28.71 chs.

The course and distance of the offset meander line connect-

ing the witness cor. to the meander cor. bet. secs. 24

and 25 and the witness cor. to the meander cor. of secs.

25 and 26 therefore is S.73°38'W., 28.71 chs.



Chains

Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 26.

From the witness cor. to the meander cor. of secs. 25 and 26 which is 6.22 chs. S.0°01'E. of true cor. point.

N.77°35'W., 36.76 chs. At 19.00 chs. the left bank of river bears North approximately 1 ch. distant.

To witness cor. to the meander cor. of secs. 23 and 26 which is 8.46 chs. W. of true cor. point.

Land, mountainous.
 Soil, rocky; 4th. rate.
 No timber.
 Undergrowth, black brush and mountain rush.

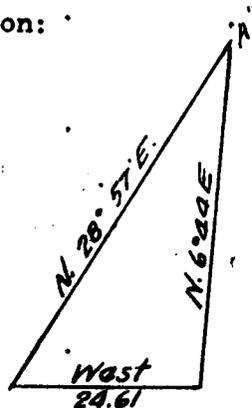
Thence on offset line in sec. 23.

It is impossible to begin at the true point for the meander cor. of secs. 23 and 26 or proceed from the witness cor. by direct measurement on account of ledges

I therefore begin at the witness cor. to the meander cor. and make the following triangulation:

Set flag "A" N.6°44'E. on wall of canyon, then from witness cor. to the meander cor. measure a base line, west, 24.61 chs. to point whence flag "A" bears N.28°57'E.

All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation from witness cor. to the meander to point "A" is 56.95 chs., therefore the first course and distance on offset is:

N.6°44'E., 56.95 chs. At 10.00 chs. intersect left bank of river.

Meanders, T.41 S., R.17 E.

Chains

At 17.00 chs. the left bank of river bears West about 3 chs. distant.

At 27.00 chs. the left bank of river bears west about 4 chs. distant.

At 37.00 chs. intersect left bank of river

At end of course left bank of river bears S.14°E., 15.00 chs. dist. and is 550 ft. below.

N.76°E., 14.00 chs.

At end of course left bank of river bears S.45°E., 10.00 chs. dist. and is 500 ft. below.

N.44°E., 12.00 chs.

At end of course left bank of river bears N.22°30'E., 8 chs. dist. and S.46°E., 10 chs. dist. and is 500 ft. below.

N.57°30'W., 20.90 chs.

To witness cor. to the meander cor. of secs. 14 and 23 which is 9.99 chs. west of true cor. point.

Land, rough mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 14.

From witness cor. to the meander cor. of secs. 14 and 23 which is 9.99 chs. West of true cor. point.

Over rough mountainous land along canyon wall.

N.43°30'E., 3.90 chs.

From this point left bank of river bears E. 8.00 chs. dist. and is 550 ft. below.

N.7°30'W., 4.00 chs.

From this point left bank of river bears N.22°30'E., 8.00 chs. dist. and N.82°30'E., 8.00 chs. dist. and is 500 ft. below.

N.67°30'W., 32.80 chs.

From this point left bank of river bears N.22°30'E. 10.00 chs. dist. and is 500 ft. below.

N.9°26'W., 40.50 chs.

At 10.00 chs. left bank of river bears N.81°30'E., 3 chs. dist.

At 20.00 chs. left bank of river bears N.81°30'E., 3 chs. dist.

At 30.00 chs. left bank of river bears N.81°30'E., 6 chs. dist.

At end of course left bank of river bears N.39°E., 8 chs. dist. and N.81°30'E., 7 chs. dist.

chains

N.51°W., 4.60 chs.

From this point left bank of river bears N.21°W., 10.00 chs. dist. and N.69°E., 19.20 chs. dist. and is 550 ft. below.

S.69°W., 10.80 chs.

From this point left bank of river bears N. 10.00 chs. dist. and is 500 ft. below.

N.87°30'W., 6.50 chs.

To witness cor. to the meander cor. of secs. 14 and 15 which is 4.20 chs. S.0°01'E. of true cor. point.

Land, rough mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 15.

From witness cor. to the meander cor. of secs. 14 and 15 which is 4.20 chs. S.0°01'E. of true cor. point.

Along rugged wall of canyon.

S.52° 30'W., 2.70 chs.

S.41°W., 14.40 chs.

At this point left bank of river bears N.37°30'W., 7.00 chs. dist. and is 600 ft. below.

S.32°30'W., 8.70 chs.

At this point left bank of river bears N.67°30'W., 7.00 chs. dist. and is 650 ft. below.

S.11°30'W., 16.30 chs.

At this point left bank of river bears N.78°30'W., 6.00 chs. dist. and is 600 ft. below.

S.6°W., 17.00 chs.

At this point left bank of river bears W., 7 chs. distant and is 550 ft. below.

S.0°30'E., 6.00 chs.

To witness cor. to the meander cor. of secs. 15 and 22 which is 9.84 chs. N.89°52'E. of true cor. point.

Land, rough mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 22.

From witness cor. to the meander cor. of secs. 15 and 22 which is 9.84 chs. N.89°52'E. of true cor. point.

Meanders, T.41 S., R.17 E.

chains

Along rugged wall of canyon.

S.74°W., 7.40 chs.

N.87°15'W., 39.76 chs.

At 10.00 chs. left bank of river bears N., about 1.50 chs. dist.

To witness cor. to the meander cor. of secs. 15 and 22 which is 9.50 chs. S.89°52'W. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 15.

From witness cor. to the meander cor. of secs. 15 and 22 which is 9.50 chs. S.89°52'W. of true cor. point.

Along rugged wall of canyon.

N.56°30'W., 14.13 chs.

To witness cor. to the meander cor. of secs. 15 and 16 which is 6.88 chs. S.0°02'E. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 16.

From witness cor. to the meander cor. of secs. 15 and 16 which is 6.88 chs. S.0°02'E. of true cor. point.

Along rugged wall of canyon.

N.14°09'W., 27.00 chs.

At 12.00 chs. left bank of river bears E., 2.00 chs. distant.

At end of course left bank of river bears East, 3.50 chs. distant.

N.14°30'W., 15.60 chs.

At this point left bank of river bears East, 3.80 chs. distant and is 300 ft. below.

N.18°W., 7.10 chs.

At this point left bank of river bears East, 3.50 chs. and is 300 ft. below.

N.34°W., 29.20 chs.

To witness cor. to the meander

Chains

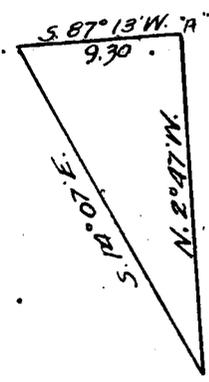
cor. bet. secs. 9 and 16 which
is 2.24 chs. N. 89° 58' W. of
cor. point.

- Land, mountainous.
- Soil, rocky; 4th. rate.
- No timber.
- Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 9

I am unable to begin at the true point for meander cor. or proceed by direct measurement from the witness cor. to the meander cor., I therefore begin at the witness cor. to the meander cor. bet. secs. 9 and 16 which is 2.24 chs. N. 89° 58' W. of true cor. point and make the following triangulation:

From the witness cor. I set a flag designated "A", N. 2° 47' W. and from flag "A" measure a base line S. 87° 13' W.



9.30 chs. distant to point whence the witness cor. to the meander cor. bears S. 14° 07' E.

All bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation = 46.40 chs.; therefore the course and distance of this offset line is:

- N. 2° 47' W., 46.40 chs. At 6.00 chs. intersect left bank of river.
- At 30.00 chs. left bank of river bears West, 16.50 chs. distant.
- At 42.00 chs. intersect left bank of river.
- N. 86° E. 6.10 chs. Along wall of canyon. At end of course left bank of river bears S. 45° E., 3.00 chs. distant.
- N. 51° E., 5.30 chs. At this point left bank of river bears East, 3.00 chs. distant.
- N. 5° E., 2.50 chs. At this point left bank of river bears North, 5.00 chs. distant and is 550 ft. below.

Meanders, T.41 S., R.17 E.

Chains

N.36°W., 21.10 chs. At this point left bank of river bears North, 5 chs. distant and is 600 ft. below.

N.47°W., 15.60 chs.. To witness cor. to the meander cor. bet. secs. 4 and 9 which is 4.50 chs. N.89°58'W. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 4.

From witness cor. to the meander cor. bet. secs. 4 and 9 which is 4.50 chs. N.89°58'W. from true cor. point.

Along rugged wall of canyon.

N.46°15'W., 3.93 chs. At this point left bank of river bears North, 4.00 chs. distant and is 300 ft. below.

N.60°15'W., 4.90 chs. At this point left bank of river bears N., 3.75 chs. distant and is 275 ft. below.

N.72°45'W., 8.10 chs. At this point left bank of river bears N., 3.40 chs. distant and is 275 ft. below.

S.63°W., 16.60 chs. To witness cor. to the meander cor. of secs. 4 and 9 which is 1.72 chs. S.89°58'W. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 9.

From witness cor. to the meander cor. of secs. 4 and 9 which is 1.72 chs. S.89°58'E. of true cor. point.

Along rugged wall of canyon.

S.60°W., 6.60 chs. To witness cor. to the meander cor. of secs. 8 and 9 which is 1.98 chs. S.0°03'E. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

No timber.

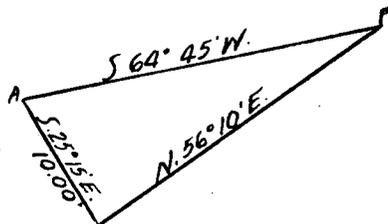
Chains

Undergrowth, black brush and mountain rush.

Thence on offset line in sec. 8.

I am unable to proceed by direct measurement from either the true point for the meander cor. or the witness cor. to the meander cor., I therefore begin at the witness cor. to the meander cor. of secs. 8 and 9 which is 1.98 chs. S.0°03'E. of the true cor. point and make the following triangulation:

Set flag "A", S.64°45'W., and erect flag at the witness cor. to the meander cor., then from flag "A" measure a base line S.25°15'E., 10.00 chs. distant



to a point whence the flag at the witness cor. to the meander cor. bears N.56°10'E. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation = 66.25 chs.; therefore the course and distance of this offset line is:

S.64°45'W., 66.25 chs. At 25.25 chs. intersect left bank of river which bears N. 10°E. for 3 chs. and S.10°W. to a point designated "A"

At 52.25 chs. intersect left bank of river.

At end of course left bank of river bears N., 8.00 chs. distant and is 600 ft. below. Point designated "A" bears N.85°E.

S.79°30'W., 9.00 chs. At this point left bank of river bears N., 6.00 chs. distant and is 600 ft. below.

N.79°W., 11.40 chs. To witness cor. to the meander cor. of secs. 7 and 8 which is 3.95 chs. S.0°03'E. of true cor. point.

Land, rough mountainous.

Soil, rocky; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Meanders, T. 41 S., R. 17 E.

Thence on offset line in sec. 7

From witness cor. to the meander cor. of secs. 7 and 8 which is 3.95 chs. S.0°05'W. of true cor. point.

Along rugged wall of canyon.

N.46°W., 44.74 chs.

At 27.00 chs. left bank of river bears N.44°W., 3 chs. distant.

To witness cor. to the meander cor. of secs. 6 and 7 which is 9.93 chs. N.89°56'W. of true cor. point.

Land, mountainous.

Soil, rocky; 4th. rate.

Timber, none.

Undergrowth, black brush and mountain rash.

Thence on offset line in sec. 6.

From witness cor. to the meander cor. of secs. 6 and 7 which is 9.93 chs. N.89°56'W. of true cor. point.

N.17°W., 9.00 chs.

At this point left bank of river bears N.41°, 9.75 chs. distant and is 10 ft. below.

N.9°W., 6.10 chs.

At this point left bank of river bears N.41°, 11.75 chs. distant and is 100 ft. below.

N.4°W., 4.60 chs.

At this point left bank of river bears N.41°, 10.50 chs. distant.

N.10°30'W., 3.50 chs.

At this point left bank of river bears N.67°30'W., 12.00 chs. distant and N.70°30'W., 12.00 chs. distant.

N.52°40'W., 28.60 chs.

At this point left bank of river bears N.2°W., 12.00 chs. distant and N.27°40'W., 11.25 chs. distant.

N.6°W., 57.74 chs.

At 20.00 chs. the left bank of river bears N.2°W., 12.00 chs. distant.

To witness cor. to the meander cor. of secs. 1 and 6 on the W. bdy. of the Tp. heretofore described.

Land, mountainous.

Soil, rocky, 4th. rate.

No timber.

Undergrowth, black brush and mountain rash.

LATITUDES, DEPARTURES AND CLOSING ERRORS.

Lines designated	True bearings..	Dist-ances.	Latitudes		Departures	
			N	S.	E	W
			Chs	Chs	Chs	Chs
W.bdy.T41S R17E	South	320.00	.....	320.00	.....	.....
S.bdy.T41S R17E	East	478.52	.....	.....	478.52	.....
E.bdy.T41S R17E	North	80.00	80.00	.....	.....	.....
Bet.secs.25&36	N.89°58'W	80.16	.09	.....	.....	80.1
Bet.secs.26&35	West	79.90	.....	.....	.....	79.9
Bet.secs.26&27	N.0°01'W.	80.00	80.00	.....	.....	.0
Bet.secs.22&23	N.0°01'W.	80.00	80.00	.....	.....	.0
Bet.secs.15&22	S.89°52'W.	79.88	.....	.19	.....	79.8
Bet.secs.16&21	N.89°58'W.	79.78	.....05	.....	.....	79.7
Bet.secs.16&17	N.0°03'W.	80.00	80.00	.....	.....	.0
Bet.secs. 8&17	N.89°56'W.	80.06	.09	.....	.....	80.0
Bet.secs. 7&18	N.89°56'W.	78.48	.09	.....	.....	78.4
Convergency			.....	.....	.....	.2
Totals =			320.28	320.19	478.52	478.5
			320.19			
Error in latitude =			.09			
					478.5	
Error in departure =					.0	

GENERAL DESCRIPTION

This fractional township is situated on the south brink of the San Juan River and contains nearly every variety land ranging in elevation from 5000 to 6000 ft. above sea. The country has a general N. exposure and drainage to the San Juan River. The southwest portion is rolling bench or mesa land which breaks off abruptly to the east by series of nearly perpendicular ledges to another small strip of gently rolling bench land in the eastern part of the township. Approaching the San Juan River to the north the country becomes more rugged and is cut by numerous inaccessible box canyons. The mesa or bench land extends to the north where it breaks off abruptly and forms the San Juan River Canyon. This canyon is approximately 1200 ft. deep and is formed by a series of perpendicular sandstone and limestone ledges with precipitous talus slopes.

The soil is a loose sand and sandstone and limestone rock and may be classed as 3rd. and 4th. rates.

San Juan River, the only water in the township and which is inaccessible, enters the township in sec. 25 and flows in a northwesterly direction, leaving in sec. 6.

A scattering scrub growth of cedar and pinon is found on the higher mesa land in the township, while black brush, mountain rush and amole or oose grows abundantly over the entire area.

Slight indications of oil seepage were noted on the breaks of the San Juan River Canyon. No other surface indications of mineral bodies were noted in the township.

Portions of the mesa land in the township are suited for winter grazing of sheep and cattle.

No magnetic declination was taken on account of defective needles.

The stone in this township is of a very poor quality of sandstone and disintegrates very rapidly making it impracticable in many instances to use this material for stone mounds or memorials in the establishment of corners.

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Township 41 S., R. 17 E.

MEANDERS OF SAN JUAN RIVER.Computation of meanders based on offset meander lines• as incorporated in these notes.

Beginning at a point 4.50 chs. north from the witness corner to the meander cor. of secs. 25 and 30 on the east boundary of the township,

Thence with meanders in Sec. 25,

S. 89° 10' W. 14.33 chs.

N. 29° 28' W. 9.05 "

N. 10° 14' W. 7.65 "

N. 14° 38' W. 15.00 chs. to true point for meander cor. between Secs. 24 and 25 which bears S. 50° 58' E. 4.45 chs. from witness cor. for M.C.

Thence in Sec. 24

N. 4° 08' W. 9.15 chs.

N. 8° 12' E. 9.12 "

N. 38° 55' E. 11.01 "

N. 44° 50' E. 19.05 "

N. 10° 55' E. 11.22 "

N. 0° 10' W. 6.09 "

N. 43° 19' W. 19.89 "

S. 79° 42' W. 17.30 "

S. 37° 13' W. 21.12 "

S. 15° 00' W. 37.00 "

S. 16° 01' W. 8.12 "

S. 38° 09' W. 10.73 " To true point for meander cor. between Secs. 24 and 25, which bears N. 89° 58' W. 9.91 chs. from witness cor. for M.C.

Thence in Sec. 25

S. 83° 55' W. 17.74 chs. To true point for meander cor. between Secs. 25 and 26, which

bears N. 0° 01' W. 6.22 chs.
from witness cor. for M.C.

Thence in Sec.26

S.36° 29' W.	18.59 chs.	
N. 72°23' W.	9.32 "	To true point for meander
		cor.between Secs.23 and 26
		which bears east 8.46 chs.
		from witness cor.to M.C.

Thence in Sec.23

N.36° 17' W.	12.32 chs.	
N.17° 25' W.	7.28 "	
N. 0° 59' E.	9.93 "	
N.27° 30' E.	11.19 "	
N.43° 37' E.	7.96 "	
N.57° 26' E.	20.20 "	
N.44° 02' E.	12.17 "	
N.16° 04' W.	14.92 "	
N.70° 15' W.	11.37 "	To true point for meander
		cor.between Secs.14 and 23
		which bears East 9.99 chs.
		from witness cor.to M.C.

Thence in Sec.14,

N.13° 42' E.	2.91 chs.	
N. 6° 33' W.	5.04 "	
N.37° 30' W.	8.00 "	
N.64° 00' W.	32.85 "	
N.67° 01' W.	2.72 "	
N. 9° 28' W.	10.00 "	
N. 7° 18' E.	10.39 "	
N. 3° 59' W.	10.53 "	
N.20° 01' W.	5.52 "	
N.63° 36' W.	13.59 "	
S.63° 45' W.	7.25 "	
S.49° 37' W.	8.52 "	To true point for meander cor
		between Secs.14 and 15 which

Township 41 South, Range 17 East.

bears N. 0° 01' W. 4.20 chs.
from witness cor. to M.C.

Thence in Sec.15,

S. 54° 51' W. 19.38 chs.

S. 33° 58' W. 12.31 "

S. 8° 40' W. 17.65 "

S. 9° 06' E. 18.34 "

S. 24° 52' W. 6.64 " To true point for leader cor.
for Secs.15 and 22, which
bears S. 89° 52' W. 9.84 chs.
from the witness cor. to M.C.

Thence in Sec.22,

S. 89° 46' W. 7.25 chs.

S. 89° 52' W. 20.23 " To true point for leader cor.
for Secs.15 and 22, which
bears N. 59° 52' E. 9.80 chs.
from witness cor. to M.C.

Thence in Sec.15,

N. 55° 23' E. 25.94 chs. To true point for leader cor.
for Secs.15 and 16, which
bears N. 0° 01' W. 6.38 chs.
from witness cor. to M.C.

Thence in Sec.16,

N. 11° 54' W. 4.35 chs.

N. 8° 20' W. 14.70 "

N. 13° 27' E. 15.53 "

N. 20° 13' W. 7.20 "

N. 36° 00' W. 29.92 " To true point for leader cor.
for Secs.8 and 16, which bears
S. 89° 59' W. 2.24 chs. from
witness cor. for M.C.

Thence in Sec.9,

N. 22° 54' W. 6.50 chs.

N. 36° 24' W. 29.78 "

N. 53° 01' E. 19.93 "

N. 71° 20' E. 8.43 chs.
 N. 42° 29' E. 7.40 "
 N. 20° 22' W. 7.99 "
 N. 36° 00' W. 21.10 "
 N. 50° 47' W. 8.92 chs. To true point for meander cor.
 for Secs.4 and 9, which bears
 S. 89° 58' E. 4.50 chs. from
 witness cor. to M.C.

Thence in Sec.4,

N. 47° 34' W. 9.94 chs.
 N. 62° 51' W. 4.78 "
 N. 75° 10' W. 8.01 "
 S. 56° 29' W. 19.80 " To true point for meander cor.
 for Secs.4 and 9, which bears
 N. 89° 58' W. 1.72 chs. from
 the witness cor. to M.C.

Thence in Sec.9,

S. 71° 44' W. 4.21 chs. To true point for meander cor.
 for Secs.8 and 9, which bears
 N. 0° 03' W. 1.98 chs. from
 the witness cor. to M.C.

Thence in Sec.8,

S. 66° 17' W. 24.38 chs.
 S. 10° 00' W. 17.69 "
 N. 82° 19' W. 22.07 "
 N. 80° 53' W. 12.82 "
 S. 67° 39' W. 9.57 "
 N. 89° 20' W. 11.19 " To true point for meander cor.
 for Secs.7 and 8, which bears
 N. 0° 03' W. 3.95 chs. from
 the witness cor. to M.C.

Thence in Sec.7,

N. 45° 37' W. 24.26 chs.
 N. 25° 49' W. 11.28 chs. To true point for meander cor.
 for Secs.6 and 7, which bears

Township 41 South, Range 17 East.

S. 89° 56' E. 9.93 chs. from
the witness cor. to M.C.

Thence in Sec. 6,

- N. 15° 52' W. 8.96 chs.
- N. 11° 16' E. 6.14 "
- N. 16° 05' E. 2.78 "
- N. 17° 53' E. 3.28 "
- N. 0° 03' E. 9.71 "
- N. 32° 00' W. 28.61 "
- N. 50° 29' W. 7.91 "
- N. 65° 01' W. 20.00 "
- S. 33° 02' W. 22.16 "

To true point on west boundary
of township for meander cor.
for Secs. 1 and 6, which bears
North 2.80 chs. from the wit-
ness cor. to M.C.

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Page

Willis W. Bandy
And
Chas. F. Moore

Transitmen
U.S. Surveyors hereby certify upon honor that, in pursuance

of special instructions received from the U. S. Surveyor General for Utah,
bearing date of the 17th. day of September, 1923, ^{we} have well, faithfully, and
in our own proper persons and in strict conformity with said instructions, the Manual of Surveying In-
structions, and the laws of the United States, surveyed all those parts or portions of south and
west boundaries, subdivision and meanders of T.41 S., R.17 E.

and Meridian, in the State of Utah, which are represented
and date diagram on dates shown on diagram
the foregoing field notes having been executed by us and under our direction, and that all the corners
said survey have been established and perpetuated in strict accordance with the Manual of Surveying In-
structions, and the special written instructions of the U. S. Surveyor General for Utah
and in the specific manner described in the field notes, and that the foregoing are the original field notes
of such survey.

Certified to at:
Salt Lake City, Utah.
December 29, 1924
Bluff, Utah
December 8, 1924

Willis W. Bandy
U. S. Transitman
Chas. F. Moore
U.S. Transitman U.S. Surveyor

APPROVAL.
Supervisor of Survey
OFFICE OF THE UNITED STATES ~~SURVEYOR GENERAL~~
Denver, Colorado. January 5

The foregoing field notes of the survey of the South and West Boundaries, Subdivision
and Meanders of T. 41 S., R. 17 E., of the Salt Lake Base and Meridian.

executed by Chas. F. Moore and Willis W. Bandy, Transitmen,
under ~~his~~ special instructions dated September 17, 1923, having
critically examined, and the necessary corrections and explanations made, the said field notes, and the s
they describe, are hereby approved.

[Signature]
U. S. ~~Surveyor~~
Supervisor

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

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BOOK A-474

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FIELD NOTES

OF THE SURVEY OF THE

EAST AND WEST BOUNDARIES AND SUBDIVISION OF T. 43 S., R. 17 E.

AND RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE FROM THE 219th

MILE POST TO THE 226th MILE POST

Of the SALT LAKE BASE AND Meridian,

the State of UTAH

EXECUTED BY

CHAS. F. MOORE

AND

WILLIS W. BANDY

in the capacity of U.S. ^{Transitmen} ~~Surveyor~~, under instructions dated September 17, 1923, issued by the United States Surveyor General to govern surveys included in Group No. 149, which were approved by the Commissioner of the General Land Office, September 28, 1923. And assignment instructions dated December 4, 1923, and supplemental assignment instructions dated December 19, 1923.

Survey commenced January 21, 1924.

Survey completed February 5, 1924.

INDEX DIAGRAM.

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UTAH-ARIZONA BOUNDARY LINE

T. 43 S., R. 17 E.

DATE DIAGRAM OF T. 43 S., R. 17 E.

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All lines dated and ruled in red were surveyed by

Chas F. Moore, U.S. Transitman.

All line dated and ruled in black were surveyed by

Willis W. Bandy, U.S. Transitman.

Survey commenced January 21, 1924, and executed with Buff and Buff solar transit No. 3220, used by Chas. F. Moore, U.S. Transitman and Young and Sons light mountain transits Nos. 8326 and 8584, used by Willis W. Bandy, U.S. Transitman. Instruments are equipped with Smith Solar attachments and full vertical circles. The horizontal limbs are provided with two double verniers placed opposite each other and reading to single minutes of arc, which is also the least count of the

verniers of the latitude and declination arcs and vertical circles.

The instruments were approved for use on this survey by the Assistant Supervisor of Surveys for district No. conditional upon satisfactory field tests in assignments instructions dated December 4 and 19, 1923.

We examine the adjustments of the instruments and correct the level and collimation errors; then, to test the solar apparatus, by comparing their indications resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations made on Polaris, we proceed as follows.

Jan. 21, 1924, in camp near the NE. cor. of sec. 1, T. 43 S., R. 17 E., Salt Lake Base and Meridian, Utah in approximate latitude $37^{\circ}7'$ N., longitude $110^{\circ}4'$ W. at 11h 29m p.m. l.m.t., we observe Polaris at western elongation, making four observations, two each with the telescope in direct and reversed positions, using instrument No. 9220, and mark the mean point in the line thus determined by a tack in a stake driven firmly in the ground 10 chs. N.

Azimuth of Polaris at western elongation = $1^{\circ} 22' 30''$

Jan. 22, 1924: We lay off the azimuth of Polaris, $1^{\circ} 22' 30''$ to the east, and mark the meridian thus determined by a tack in a stake driven firmly in the ground 10 chs. N.

At 8h 00m a.m. app. t., with the instruments in the meridian, we set off $37^{\circ}07'$ N., on the latitude arcs, $19^{\circ}50'$ S., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

At app. noon, with the instruments in the meridian, we make a meridian observation of the sun for time and latitude using instrument No. 9220, and observe simultaneously the altitude of the sun's upper limb and the transit

T. 43.S., R. 17.E.

the sun's west limb, reversing the telescope and observing simultaneously, the altitude of the sun's lower limb and the transit of the sun's east limb.

Mean observed altitude =	33° 04'
Reduced latitude =	37° 08' N.
Mean watch time of observation =	12h 12m 30s
Watch fast of local mean time =	0h 1m 2s

At app. noon with the instruments in the meridian and the latitude arcs unchanged, we find the readings of the declination arcs to be 19°48' S., which agrees with the computed declination of the sun.

At 3h 30m p.m. app. t., with the latitude arcs unchanged and the instruments in the meridian, we set off 19°45' S., on the declination arcs; and determine a meridian with the solars which we find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work come within 1' of the true meridian, we conclude that the instruments are in satisfactory adjustment.

The instruments were kept in good adjustment throughout the progress of this survey, frequent tests being made on the meridian determined by observations on Polaris.

At the completion of the survey of this township, we make a final test of the instruments as follows.

Feb. 5, 1924; with the instruments in the meridian established by observation on Polaris, heretofore described, we set off 37° 7' N., on the latitude arcs; 16°07' S., on the declination arcs, and 9h 30m a.m. app. t., we determine a meridian with the solars which we find to agree with the true meridian.

At app. noon, with the instruments in the meridian and the latitude arcs unchanged, we find the reading of the declination arcs to be 16°06' S., which agrees with the computed declination of the sun.

At 3h 30m p.m. app. t., with the instruments in the meridian and the latitude arcs unchanged, we set off

16°02' 30" S., on the declination arcs, and determining a meridian with the solars which we find to agree with the true meridian.

As all the solar observations made during the usual hours of solar work, come within 1' of the true meridian, we conclude that the instruments are in satisfactory adjustment.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes, 5 chains in length compared with a Lufkin standard tape and found correct. The measurements are made on the slope, the vertical angle determined, and the slope measurements properly reduced to true horizontal distances.

METHOD OF PROCEDURE

The Utah-Arizona Boundary Line forms the south boundary of this township, and a resurvey was made of the same from the 219 mile post to the 226th mile post.

The north boundary of the township was established during the survey of T. 42 S., R. 17 E., the course being west, the distance 479.55 chs. and the fractional distance being placed in the western half mile.

The west boundary of the township was run south from the cor. of Ts. 42 and 43 S., Rs. 16 and 17 E., a distance of 478.65 chs. to an intersection with the Utah-Arizona Boundary Line, where the closing cor. of Ts. 42 S., Rs. 16 and 17 E. was set. The fractional distance of this boundary was placed in the southern half mile.

The east boundary of the township was run south from the cor. of Ts. 42 and 43 S., Rs. 17 and 18 E., a distance of 477.30 chs. to an intersection with the Utah-Arizona Boundary Line, where the closing cor. of T. 43 S.,

METHOD OF PROCEDURE

Rs. 17 and 18 E., was set. The fractional distance of this boundary was placed in the southern half mile. The township was subdivided from the north to the south and from the east to the west.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

From the 219th mile post of the Utah-Arizona Boundary Line, which is a sandstone, 4 x 24, x 28 ins. above ground, firmly set, marked U on N. face, 37 N L on E. face, A on S. face, 219 M on W. face and witnessed by a mound of stone, 2 ft. base, 1 1/2 ft. high, E. of mile post, 2 ft. dist.

Thence,

East, retracing the 220th mile of the Utah-Arizona Boundary Line.

80.12 Fall 7 lks. N. of the point for the 220th mile post, hereinafter described.

The course of this mile, therefore is, S. 89°57' E., and the distance is 80.12 chs.

East, retracing the 221st mile of the Utah-Arizona Boundary Line.

80.16 Intersect the 221st mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, east, and the distance is 80.16 chs.

East, retracing the 222nd mile of the Utah-Arizona Boundary Line.

80.06 Fall 21 lks. S. of the point for the 222nd mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, N. 89°51' E., and the distance is 80.06 chs.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

East, retracing the 223rd mile of the Utah-Arizona Boundary Line.

79.39 Fall 10 lks. S. of the 223rd mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, N. $89^{\circ}56'$ E., and the distance is 79.39 chs.

East, retracing the 224th mile of the Utah-Arizona Boundary Line.

80.05 Fall 6 lks. S. of the 224th mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, N. $89^{\circ}57'$ E., and the distance is 80.05 chs.

East, retracing the 225th mile of the Utah-Arizona Boundary Line.

79.86 Fall 4 lks. S. of the 225th mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, N. $89^{\circ}58'$ E., and the distance is 79.86 chs.

East, retracing the 226th mile of the Utah-Arizona Boundary Line.

80.30 Fall 12 lks. S. of the 226th mile post of the Utah-Arizona Boundary Line, hereinafter described.

The course of this mile therefore is, N. $89^{\circ}55'$ E., and the distance is 80.30 chs.

From the 219th mile post of the Utah-Arizona Boundary Line.

on a $359^{\circ}57'E$ resurvey line along the 220th mile of the Utah Arizona Boundary Line.

Over rolling land through scattering undergrowth.

16.76 Road, bears NE. to Bluff, Utah and SW. to ~~Arizona~~, Arizona.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

17.13 Point for the closing cor. of T. 43 S., Rs. 16 and 17 E., hereinafter described.

49.10 Wash, 10 lks. wide, 4 ft. deep, drains SE.

56.77 Point 40.00 chs. west of the point for the closing cor. of secs. 31 and 32.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor. sec. 31, with brass cap marked.

$\frac{1}{4}$ S31

1924

Deposit a sandstone, 12 x 4 x 3 ins., at base of post, marked with a cross (X).

No other accessories available for cor. and soil too sandy for pits.

80.12 The point for the 220th mile post of the Utah-Arizona Boundary Line, which is a mound of stone, 3 ft. base 2 ft. high, on top of which was found pieces of an iron post and a hole in the mound showing where the post had been set. At this point, I reestablish the 220th mile post as follows.

Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for the 220th mile post of the Utah-Arizona Boundary Line, with a brass cap marked.

UTAH

220M

ARIZ

1924

Deposit a sandstone, 10 x 8 x 8 ins., at base of post, marked with a cross (X).

No other accessories available and soil too loose for pits.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 3rd rate.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

Undergrowth, scattering blackbrush, mesquite and
 rush.
 No timber.
 Fair grazing.

East, along the 221st mile of the Utah-Arizona Boundary
 Line.

Descend gradually over broken bench land through
 scattering undergrowth.

16.65 Point for the closing cor. of secs. 31 and 32, herein-
 after described, thence over rolling land, bears
 NE. and SW.

45.40 Wash, 10 lks. wide, 5 ft. deep, drains S. 30° E.

56.63 On rolling land, 70 ft. below the 220th mile post; point
 midway bet. the point for the closing cor. of secs.
 31 and 32 and the point for the closing cor. of secs.
 32 and 33.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 ground, for $\frac{1}{4}$ sec. cor., sect 32, with brass cap marked

$\frac{1}{4}$ S32

1924

Deposit a sandstone, 5 x 3 x 3 ins., at base of post,
 marked with a cross (X).

No other suitable accessories available and soil too
 loose for pits.

62.90 Wash, 110 lks. wide, 15 ft. deep, drains SE.

80.16 The point for the 221 mile post, which is a piece of
 2 ins iron pipe, badly rusted, still standing in a
 mound of earth. At this point I reestablish the 221st
 mile post as follows.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in
 ground, for the 221st mile post of the Utah-Arizona
 Boundary Line, with a brass cap marked

UTAH
 221M
 ARIZ
 1924

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Dig pits, 18 x 18 x 12 ins., E. and W. of post, 3 ft. dist.

No other suitable accessories available for post.

Land, broken on W. portion of mile, rolling on E. portion with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 89°51' E., on a resurvey line along the 222nd mile of the Utah-Arizona Boundary Line.

Over rolling land through scattering undergrowth.

5.00 Land, becomes more level, bears N. and S.

16.45 Point for the closing cor. of secs. 32 and 33, hereinafter described.

56.425 Point midway bet. the points for the closing cor. of secs. 32 and 33 and secs. 33 and 34.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., sec. 33, with brass cap marked.

$\frac{1}{4}$ S33

1924

Deposit a sandstone, 6 x 6 x 3 ins., at base of post; marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.06 The 222nd mile post of the Utah-Arizona Boundary Line, which is a piece of rusted iron post, loosely set, witnessed by dim pits to the E. and W. of post. I reestablish post at this point as follows.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for the 222nd mile post of the Utah-Arizona Boundary Line, with brass cap marked.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

UTAH

222M

ARIZ

1924

Deposit a sandstone, 8 x 6 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy laom mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 89°56' E., on a resurvey line along the 223rd mile of the Utah-Arizona Boundary Line.

Over rolling land through scattering undergrowth.

16.34 Point for the closing cor. of secs. 33 and 34, herein-after described.

24.00 Wash, 20 lks. wide, 5 ft. deep, drains SE.

56.305 Point midway bet. the points for the closing cors. of secs. 33 and 34, and 34 and 35.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in ground to be rock and in a large mound of stone, for $\frac{1}{4}$ sec. cor. sec. 34, with brass cap marked.

$\frac{1}{4}$ S34

1924

Deposit a sandstone, 10 x 8 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

79.99 The 223rd mile post of the Utah-Arizona Boundary Line which is an iron post, 2 ins. diam., extending 18 ins. above ground, firmly set, with brass cap marked.

UTAH

223M

ARIZ.
1924

No accessories found to cor.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 89°57' E., on a resurvey line along the 224th mile of the Utah-Arizona Boundary Line.

Over rolling land through scattering undergrowth.

16.28 Point for the closing cor. of secs. 34 and 35, herein-after described.

56.50 Point midway bet. the points for the closing cors. of secs. 34 and 35 and secs. 35 and 36.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor. sec. 35, with brass cap marked.

1/2 S35

1924

Deposit a sandstone, 8 x 6 x 5 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.05 The 224th mile post of the Utah-Arizona Boundary Line, which is an iron post, 2 ins. diam., firmly set, extending 12 ins. above ground, with brass cap marked.

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

UTAH

224M

ARIZ.
1924

No accessories to mile post found.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, ope and mountain rush.

No timber.

Fair grazing.

N. 89°58' E., along the 225th mile of the Utah-Arizona Boundary Line.

Over rolling land through scattering undergrowth.

16.67 Point for the closing cor. of secs. 35 and 36, herein-
after described.56.82 Point midway bet. the point for the closing cor. of
secs. 35 and 36 and the closing cor. of T. 43 S.,
Rs. 17 and 18 E.Set an iron post, 3 ft. long, 1 in. diam., 10 ins. in
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., sec. 36, with brass cap marked. $\frac{1}{4}$ S36

1924

Deposit a sandstone, 6 x 5 x 5 ins., at base of post,
marked with a cross (X).No other suitable accessories available and soil too
sandy for pits.79.86 The 225th mile post of the Utah-Arizona Boundary Line,
which is an iron post, 2 ins. diam., firmly set,
extending 20 ins. above the ground, with brass cap m

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

UTAH
225th

ARIZ
1924

As the post is badly rusted, I restore it as follows.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, alongside the original mile post, for the 225th mile post of the Utah-Arizona Boundary Line, with brass cap marked.

UTAH

225M

ARIZ.

1924

Deposit a sandstone, 5 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam, mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 89°55' E., along the 226th mile of the Utah-Arizona Boundary Line.

Ascend gradually over rolling land through scattering undergrowth.

12.20 Spur, 50 ft. above mile post, projects N. 20° E.; descend gradually.

13.40 Descent becomes more abrupt, bears NE. and SW.

17.11 Point for the closing cor. of T. 43 S., Rs. 17 and 18 E., hereinafter described.

80.30 The 226th mile post of the Utah-Arizona Boundary Line, which is a sandstone, 30 x 10 x 6 ins. above ground, firmly set, marked UTAH on N. face, ARIZ. on S. face,

RESURVEY OF THE UTAH-ARIZONA BOUNDARY LINE

Chains

37N.L. on E. face and 226M on W. face. I restore post as follows.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in ground, alongside the original mile post, for the 226 mile post of the Utah-Arizona Boundary Line, with brass cap marked.

UTAH

226M

ARIZ.

1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, E. of post.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

SURVEY OF THE WEST BOUNDARY OF T. 43 S., R. 17 E.

From the cor. of Ts. 42 and 43 S., Rs. 16 and 17 W., which is an iron post, 3 ins. diam., with a brass cap marked, witnessed and set as described in the notes the survey of T. 42 S., R. 17 W.

South, bet. secs. 1 and 6 along the W. bdy. of T. 43 S. R. 17 E.

Over rolling mesa land through scattering undergrowth and timber.

40.00 On rolling land, 30 ft. below the township cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SURVEY OF THE WEST BOUNDARY OF T. 43 S., R. 17 E.

$\frac{1}{2}$
 S1/S6
 1924

Deposit a sandstone, 8 x 5 x 3 ins., at base of post, marked with a cross (X).

No other accessories available and soil too loose for pits.

75.40 Road, bears E. and W.

80.00 On rolling land, 40 ft. below the $\frac{1}{2}$ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, with brass cap marked.

T43S	
R16E	R17E
S1	S6
S12	S7
1924	

Deposit a sandstone, 10 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling mesa tops with a general westerly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering cedar and pinon.

Fair grazing.

South, bet. secs. 7 and 12..

Over rolling mesa land through scattering timber and undergrowth.

25.00 Timber becomes dense, bears E. and W.

40.00 On rolling mesa land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

Chains

$\frac{1}{2}$
 S12 | S7
 1924

From which,

A pinon, 4 ins. diam., bears S. 74°15' E., 162 lks. dist., marked $\frac{1}{2}$ S7 BT.

A cedar, 4 ins. diam., bears S. 44°30' W., 200 lks. dist., marked $\frac{1}{2}$ S12 BT.

50.00 Timber becomes scattering, bears E. and W.

51.00 Brink of abrupt descent over N. breaks of canyon, bears E. and W.

56.40 Bottom of canyon, 50 ft. below top of N. brink, drains E.; ascend abruptly over S. breaks of canyon.

61.00 Top of S. rim of canyon, 50 ft. above bottom, bears E. and W.; thence over rolling mesa land.

80.00 On rolling mesa land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, for cor. of secs. 7, 12, 13, and 18, with brass cap marked.

T43S.
 R16E | R17E
 S12 | S7

 S13 | S18.

1924

From which,

A pinon, 3 ins. diam., bears N. 14°15' E., 200 lks. dist., marked BT.

A cedar, 3 ins. diam., bears S. 0°15' E., 145 lks. dist., marked BT.

A cedar, 3 ins. diam., bears S. 54°30' W., 374 lks. dist., marked BT..

A cedar, 3 ins. diam., bears N. 65° W., 155 lks. dist., marked BT.

No larger bearing trees available.

Land, rolling mesa tops with a general easterly exposure and drainage.

Chains

Soil, shallow sandy loam mixed with loose sandstone;
3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

Timber, scattering and dense scrub cedar and pinon on
portions of mile.

Fair grazing.

South, bet. secs. 13 and 18.

Ascend gradually over broken land through scattering
undergrowth and timber.

2.60 Top of N. rim of box canyon, bears NE. and SW.

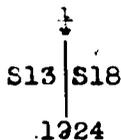
2.90 Bottom of box canyon, 80 ft. deep, drains NE.

3.20 Top of S. rim of box canyon, bears NE. and SW.; continue
gradual ascent.

18.00 Draw, 20 ft. deep, drains NE.; continue gradual ascent.

40.00 On broken N. slope.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 8 x 6 x 4 ins., at base of post,
marked with a cross (X).

No other suitable accessories available and soil too
sandy for pits.

48.10 Ascent becomes abrupt, bears NE. and SW.

56.80 Spur, 430 ft. above the sec. cor., projects W. from base
of large sandstone butte approximately 10 chs. to the E.;
descend abrupt S. slope of spur.

62.20 Draw, 250 ft. below spur, drains W.; ascend gradual N.
slope.

80.00 On gentle N. slope, 50 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the

Chains

Point

ground to bedrock and in a large mound of stone, for cor. of secs. 13, 18, 19, and 24, with brass cap marked.

T43S	
R16E	R17E
S13	S18
S24	S19
1924	

Deposit a sandstone, 12 x 12 x 3 ins., at base of post marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, broken by sandstone ledges with a general western exposure and drainage.

Soil, shallow rocky sandy loam; 4th rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar.

Fair grazing.

South, bet. secs. 19 and 24.

Ascend gradually over rolling mesa land through scattering undergrowth and timber.

5.40 Spur, 50 ft. above cor., projects W.; descend gradually

20.20 Wash, 100 lks. wide, 10 ft. deep, drains SW.

40.00 On rolling land, 100 ft. below spur.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

$\frac{1}{2}$	
S24	S19
1924	

From which,

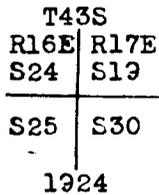
A cedar, 3 ins. diam., bears S. 38° E., 180 lks. dist., marked BT.

A cedar, 8 ins. diam., bears S. 52° W., 135 lks. dist., marked $\frac{1}{4}$ S24 BT.

SURVEY OF THE WEST BOUNDARY OF T. 43 S., R. 17 E.

Chains

- 42.70 Wash, 45 lks. wide, 5 ft. deep, drains SW.
- 50.40 Wash, 75 lks. wide, 10 ft. deep, drains SW.; thence ascend gradually.
- 72.80 Top of ascent, 50 ft. above wash, bears E. and W.; descend gradually over gentle S. slope.
- 75.00 Leave timber, bears E. and W.
- 80.00 On gentle S. slope, 240 ft. below top of ascent. Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 19, 24, 25 and 30, with brass cap marked.



Deposit a sandstone, 8 x 6 x 5 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling with a general westerly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar on N. portion of mile.

Fair grazing.

South, bet. secs. 25 and 30.

Descend gradually over broken land through scattering undergrowth.

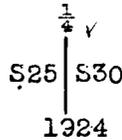
- 1.30 Top of N. rim of canyon, bears E. and W.
- 4.10 Bottom of canyon, 80 ft. below sec. cor., drains E.; ascend gradually.
- 9.80 Top of S. rim of canyon, bears E. and W.; continue ascent.

SURVEY OF THE WEST BOUNDARY OF T. 43 S., R. 17 E.

Chains

15.00 Base of gradual ascent over NE. point of spur which projects NE from sandstone butte.

40.00 On NE. slope of spur, 200 ft. above canyon, on sandstone surfacerock, mark a cross (X), over which Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked



No other suitable accessories available for cor.

41.00 Spur, 20 ft. above the $\frac{1}{4}$ sec. cor., projects E.; descends gradually.

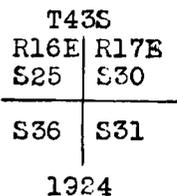
61.00 Base of descent from spur, 280 ft. below top, bears SE. and NW.; thence over rolling land.

69.20 Wash, 45 lks. wide, 10 ft. deep, drains SE.

77.10 Wash, 80 lks. wide, 20 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25, 30, 31 and 36, with brass cap marked.



Deposit a sandstone, 8 x 4 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, broken on N. portion of mile and rolling sand hills on S. portion. General drainage and exposure, S

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering Blackbrush, oose and mountain rush.

No timber.

Poor grazing.

SURVEY OF THE WEST BOUNDARY OF T. 43 S., R. 17 E.

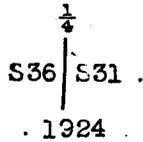
Chains

South, bet. secs. 31 and 36.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 6 x 4 x 4 ins., at base of post, marked with a cross (X).

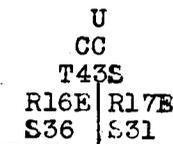
No other suitable accessories available and soil too sandy for pits.

77.20 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

78.65 Intersect the Utah-Arizona Boundary Line, S. 89°57' E., 17.13 chs. dist. from the 219 mile post.

At point of intersection.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for closing cor. of T. 43 S., Rs. 16 and 17 E., with brass cap marked.



A
1924

Deposit a sandstone, 18 x 6 x 13 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sand loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering shadscale, blackbrush, oose and mountain rush.

No timber.

Fair grazing.

SURVEY OF THE EAST BOUNDARY OF T. 43 S., R. 17 E.

Chains

From the cor. of Ts. 42 and 43 S., Rs. 17 and 18 E.,
 is an iron post, 3 ins. diam., with brass cap, marked
 witnessed and set as described in the notes of the
 survey of T. 42 S., R. 17 E.

South, bet. secs. 1 and 6.

Over rolling land through scattering undergrowth.

40.00 On rolling land,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

	$\frac{1}{4}$	
S1	|	S6
1924		

Raise a mound, of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W.
 cor.

57.70 Wash, 50 lks. wide, 3 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
 the ground, for cor. of secs. 1, 6, 7 and 12, with
 brass cap marked.

T43S	
R17E	R18E
S1	S6

S12	S7

1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of
 cor.

Land, rolling sand hills with a general southeasterly
 exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
 rush.

No timber.

Fair grazing.

SURVEY OF THE EAST BOUNDARY OF T. 43 S., R. 17 E.

Chains

South, bet. secs. 7 and 12.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S12 | S7
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

62.50 Wash, 20 lks. wide, 3 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7, 12, 13 and 18, with brass cap marked.

T43E
 R17E | R18E
 S12 | S7

 S13 | S18
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

South, bet. secs. 13 and 18.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

Chain

$\frac{1}{2}$
 S13 | S18
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

42.10 Wash, 30 lks. wide, 7 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13, 18, 19, and 24, with brass cap marked.

T43S
 R17W | R18E
 S13 | S18
 S24 | S19
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

South, bet. secs. 19 and 24.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

$\frac{1}{2}$
 S24 | S19
 1924

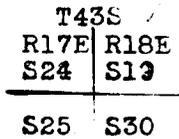
Deposit a sandstone, 6 x 6 x 5 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

SURVEY OF THE EAST BOUNDARY OF T. 43 S., R. 17 E.

chains

80.00 On rolling land.
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 19, 24, 25 and 30, with brass cap marked.



1924

Deposit a sandstone, 12 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

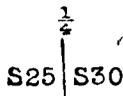
South, bet. secs. 25 and 30.

Over rolling land through scattering undergrowth.

33.10 Wash, 15 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1924

Deposit a sandstone, 7 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

30.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the

Chains

ground, for cor. of secs. 25, 30, 31 and 36, with
brass cap marked.

T43S	
R17E	R18E
S25	S30
S36	S31

1924

Deposit a sandstone, 5 x 5 x 4 ins., at base of post,
marked with a cross (X).

No other suitable accessories available and soil too
sandy for pits.

Land, rolling sand hills with a general southeasterly
exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush and mountain rush.

No timber.

Fair grazing.

South, bet. secs. 31 and 36.

Over rolling land through scattering undergrowth.

17.30 Wash, 10 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	
S36	S31
1924	

Deposit a sandstone, 6 x 4 x 3 ins., at base of post,
marked with a cross (X).

No other suitable accessories available and soil too
loose for pits.

77.90 Intersect the Utah-Arizona Boundary Line, N. 89°55' E.
17.11 chs. dist. from the 225 mile post heretofore
described.

At point of intersection.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in

RESURVEY OF THE EAST BOUNDARY OF T. 43 S., R. 17 E.

chains

the ground, for closing cor. of T. 43 S., Rs. 17 and 18 E., with brass cap marked.

U
CC
T43S
R17E | R18E
S36 | S31

A
1924

Deposit a sandstone, 12 x 6 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general easterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering mountain rush, blackbrush and oose.

No timber.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

From the cor. on the N. bdy. of the township, of secs. 1, 2, 35 and 36, which is an iron post, 2 ins. diam., with brass cap, marked, set and witnessed as described in the notes of the survey of T. 42 S., R. 17 E.

S. 0°01' E., bet. secs. 1 and 2.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S2 | S1
1924

Deposit a sandstone, 6 x 5 x 3 ins., at base of post, marked with a cross (X).

No other accessories available and soil too sandy for pits.

Chains

53.00 Wash, 20 lks. wide, 4 ft. deep, drains S. 20° E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 11 and 12, with brass cap marked.

T43S	R17E
S2	S1
S11	S12
1924	

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling sand hills with a general southerly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber .

Fair grazing.

East, on random line bet. secs. 1 and 12 .

40.00 Set temp. ¼ sec. cor.

80.06 Intersect the E. bdy. of the township, at the cor. of secs. 1, 6, 7, and 12.

Thence,

West, on true line bet. secs. 1 and 12.

Over rolling sand hills through scattering undergrowth

40.03 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for ¼ sec. cor., with brass cap marked.

¼	S1

¼	S12
1924	

Deposit a sandstone, 12 x 4 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

71.00

Wash, 20 lks. wide, 4 ft. deep, drains S.

80.00

The cor. of secs. 1, 2, 11 and 12.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 11 and 12.

Over rolling land through scattering undergrowth.

9.50

Wash, 10 lks. wide, 5 ft. deep, drains SE.

40.00

On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 5 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

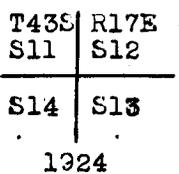
40.50

Wash, 20 lks. wide, 5 ft. deep, drains SE.

80.00

On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 11, 12, 13 and 14, with brass cap marked.



Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

Land, rolling with a general southeasterly exposure and drainage.

Chains

Soil, deep sandy loam; 3rd rate.
Undergrowth, scattering blackbrush, oose and mountain
rush.
No timber.
Fair grazing.

East, on random line bet. secs. 12 and 13.

40.00 Set temp. 1/2 sec. cor.

80.12 Intersect the E. bdy. of the township, 2 lks. S. of the
cor. of secs. 7, 12, 13 and 18.

Thence,

S. 89°59' W., on true line bet. secs. 12 and 13.

Over rolling land through scattering undergrowth.

40.06 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground, for 1/2 sec. cor., with brass cap marked.

S12

S13

1924

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

80.12 The cor. of secs. 11, 12, 13 and 14.

Land, rolling sand hills with a general southeasterly
exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering shadscale, mountain rush, oose
and blackbrush.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 13 and 14.

Over rolling land through scattering undergrowth.

12.40 Wash, 15 lks. wide, 3 ft. deep, drains S. 60° E.

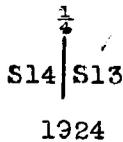
19.20 Wash, 80 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

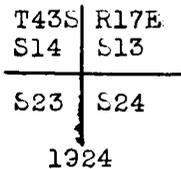


Deposit a sandstone, 10 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 13, 14, 23 and 24, with brass cap marked.



Deposit a sandstone, 6 x 4 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general easterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 89°59' E., on random line bet. secs. 13 and 24.

40.00 Set temp. $\frac{1}{2}$ sec. cor.

80.16 Intersect the E. bdy. of the township, 2 lks. N. of the cor. of secs. 13, 18, 19 and 24.

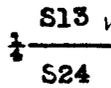
Thence,

West, on true line bet. secs. 13 and 24.

Over rolling land through scattering undergrowth.

Chains

40.08 On rolling land.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1224

Deposit a sandstone, 6 x 3 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.16 The cor. of secs. 13, 14, 23 and 24.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

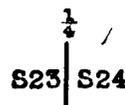
Fair grazing.

S. 0°01' E., bet. secs. 23 and 24.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1224

Deposit a sandstone, 3 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

57.10 Wash, 20 lks. wide, 3 ft. deep, drains SE.

65.80 Wash, 40 lks. wide, 7 ft. deep, drains E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 4 ins. in

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

ground to bedrock and in a large mound of stone, for cor. of secs. 23, 24, 25 and 26, with brass cap marked.

T43S	R17E
S23	S24
S26	S25

1924

Deposit a sandstone, 10 x 3 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush..

No timber.

Fair grazing.

East, on random line bet. secs. 24 and 25.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.22 Intersect the E. bdy. of the township, 12 lks. S. of the cor. of secs. 19, 24, 25 and 30.

Thence,

S. 89°55' W., on true line bet. secs. 24 and 25.

Over rolling land through scattering undergrowth.

40.11 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ Sec. cor., with brass cap marked.

S24
$\frac{1}{4}$
S25

1924

Deposit a sandstone, 6 x 3 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

40.50 Wash, 20 lks. wide, 4 ft. deep, drains SE.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

47.00 Wash, 30 lks. wide, 3 ft. deep, drains S. 80° E.

80.22 The cor. of secs. 23, 24, 25 and 26.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep clay and sand loam; 3rd rate.

Undergrowth, scattering mountain rush, blackbrush and oose.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 25 and 26.

Ascend gradually over rolling land through scattering undergrowth.

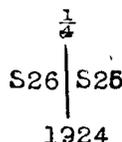
18.70 Spur, 20 ft. high, projects E., 3.00 chs. dist.; descend gradually over rolling land.

30.00 Wash, 30 lks. wide, 4 ft. deep, drains E.

38.00 Wash, 20 lks. wide, 3 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 8 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

71.00 Wash, 30 lks. wide, 4 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, with brass cap marked.

SUBDIVISION OF T. 43 S., R. 17 E.

T43S	R17E
S26	S25
S35	S36

1924

Deposit a sandstone, 6 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

N. 83°55' E., on random line bet. secs. 25 and 36.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.20 Intersect the E. bdy. of the township, 5 lks. N. of the cor. of secs. 25, 30, 31 and 36.

Thence,

S. 83°57' W., on true line bet. secs. 25 and 36.

Over rolling land through scattering undergrowth.

40.10 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$	S25
<hr/>	
	S36

1924

Deposit a sandstone, 5 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

72.00 Wash, 30 lks. wide, 4 ft. deep, drains SE..

80.22 The cor. of secs. 25, 26, 35 and 36.

Chains

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 35 and 36.

Over rolling land through scattering undergrowth.

9.00 Wash, 20 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{c} \frac{1}{4} \\ \hline S35 | S36 \\ 1924 \end{array}$$

Deposit a sandstone, 4 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

77.86 Intersect the Utah-Arizona Boundary Line, N. 89°58' E. 16.67 chs. dist., from the 224th mile post, heretofore described in these notes.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in ground, for closing cor. of secs. 35 and 36, with brass cap marked.

$$\begin{array}{c} U \\ CC \\ T43S1R17E \\ \hline S35 | S36 \\ \hline A \\ 1924 \end{array}$$

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor..

Land, rolling sand hills with a general southeasterly exposure and drainage.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Soil, deep sandy loam; 2nd rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber.

Fair grazing.

From the cor. on the N. bdy. of the township, for secs.
2, 3, 34 and 35, which is an iron post, 2 ins. diam.,
with brass, cap, marked, witnessed and set as described
in the notes of the survey of T. 42 S., R. 17 E.

S. 0°01' E., bet. secs. 2 and 3.

Over rolling land through scattering undergrowth.

15.00 Base of gradual ascent over N. slope of ridge, bears
N. 80° E. and S. 80° W.

19.10 Rolling top of ridge, 80 ft. above cor., bears N. 80° E.
and S. 80° W.; descend gradually over rolling S. slope
of ridge.

40.00 At base of descent from ridge, 110 ft. below top, bears
N. 80° E. and S. 80° W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} \frac{1}{4} \\ \hline S3 | S2 \\ 1924 \end{array}$$

Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of
cor.

48.70 Wash, 30 lks. wide, 3 ft. deep, drains SE.

72.00 Wash, 20 lks. wide, 4 ft. deep, drains E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the
ground, for cor. of secs, 2, 3, 10 and 11, with brass
cap marked.

Chains

T43S	R17E
S3	S2
S10	S11

1924

Deposit a piece of petrified wood, size 5 x 4 x 4 ins.
at base of post, marked with a cross (X).

No other suitable accessories available and soil too
sandy for pits.

Land, rolling sand hills with a general southeasterly
exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber.

Fair grazing.

East, on random line bet. secs. 2 and 11.

40.00 Set temp. 1/2 sec. cor.

79.98 Intersect the N. and S. line, 6 lks. N. of the cor. of
secs. 1, 2, 11 and 12.

Thence,

N. 89°57' W., on true line bet. secs. 2 and 11.

Over rolling land through scattering undergrowth.

17.60 Wash, 30 lks. wide, 4 ft. deep, drains SE.

17.80 Road, bears N. to Bluff, Utah and S. to Kayenta, Arizona

79.99 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
ground, for 1/2 sec. cor., with brass cap marked.

S2
1/2
S11

1924

Deposit a sandstone, 8 x 4 x 4 ins., at base of post,
marked with a cross (X).

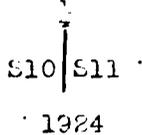
No other suitable accessories available and soil too
sandy for pits.

SUBDIVISION OF T: 43 S.: R. 17 E.

Chains

79.98 The cor. of secs. 2, 3, 10 and 11.
 Land, rolling sand hills with a general southeasterly exposure and drainage.
 Soil, deep sandy loam; 3rd rate.
 Undergrowth, scattering mountain rush, blackbrush and oose
 No timber.
 Fair grazing.

S. 0°01' E., bet. secs. 10 and 11.
 Over rolling land through scattering undergrowth.
 40.00 On rolling land.
 Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for sec. cor., with brass cap marked.

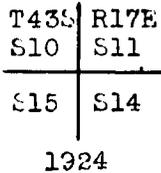


Deposit a sandstone, 8 x 6 x 5 ins., at base of post, marked with a cross (X).
 No other suitable accessories available and soil too sandy for pits.

42.20 Wash, 60 lks. wide, 5 ft. deep, drains E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 3 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 10, 11, 14 and 15, with brass cap marked.



Deposit a sandstone, 8 x 5 x 4 ins., at base of post, marked with a cross (X).
 No other suitable accessories available.
 Land, rolling with a general southeasterly exposure and drainage.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Soil, deep sandy loam; 3rd rate.
 Undergrowth, scattering shadscale, mountain rush, oose
 and blackbrush.
 No timber.
 Fair grazing.

S. 89°57' E., on random line bet. secs, 11 and 14.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.10 Intersect the N. and S. line, 7 lks. N. of the cor. of
 secs. 11, 12, 13 and 14.

Thence,

West, on true line bet. secs. 11 and 14.

Over rolling land through scattering undergrowth.

12.50 Wash, 20 lks. wide, 3 ft. deep, drains S.

35.00 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

40.05 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S11
 $\frac{1}{4}$
 S14
 1924

Deposit a sandstone, 6 x 4 x 3 ins., at base of post,
 marked with a cross (X).

No other suitable accessories available and soil too
 sandy for pits.

80.10 The cor. of secs. 10, 11, 14 and 15.

Land, rolling sand hills with a general southerly expos
 and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
 rush.

No timber.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

S. 0°01' E., bet. secs. 14 and 15.

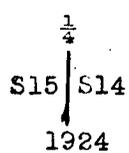
Over rolling land through scattering undergrowth.

21.00 Wash, 30 lks. wide, 4 ft. deep, drains SE.

37.30 Wash, 150 lks. wide, 12 ft. deep, drains E.

40.00 On rolling land.

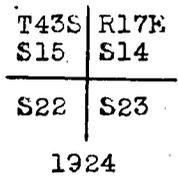
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Raise a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high, W. of cor.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 14, 15, 22 and 23, with brass cap marked.



Deposit a sandstone, 10 x 10 x 5 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

East, on random line bet. secs. 14 and 23.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.18 Intersect the cor. of secs. 13, 14, 23 and 24.

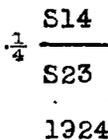
Thence,

Chains

Dist.

West, on true line bet. secs. 14 and 23,
 Over rolling land through scattering undergrowth.
 40.09 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 10 x 9 x 5 ins., at base of post,
 marked with a cross (X).

No other suitable accessories available and soil too
 sandy for pits.

62.00 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

80.18 The cor. of secs. 14, 15, 22 and 23.

Land, rolling sand hills with a general southeasterly
 exposure and drainage.

Soil, deep sand loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
 rush.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 22 and 23.

Over rolling land through scattering undergrowth.

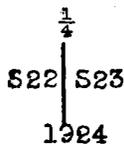
11.10 Wash, 15 lks. wide, 3 ft. deep, drains E.

18.40 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

33.00 Wash, 30 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 6 x 4 x 2 ins., at base of post,
 marked with a cross (X).

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

No other suitable accessories available and soil too sandy for pits.

59.70 Wash, 15 lks. wide, 10 ft. deep, drains E.

77.00 Wash, 45 lks. wide, 10 ft. deep, drains E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 22, 23, 26 and 27, with brass cap marked.

T43S	R17E
S22	S23
S27	S26
1924	

Deposit a sandstone, 8 x 6 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

Fast, on random line bet. secs. 23 and 26.

40.00 Set temp. sec. cor.

80.22 Intersect the N. and S. line, 3 lks. S. of the cor. of secs. 23, 24, 25 and 26.

Thence,

S. 89°59' W., on true line bet. secs. 23 and 26.

Over rolling land through scattering undergrowth.

30.00 Wash, 20 lks. wide, 4 ft. deep, drains NE.

40.11 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

Chains

S25

$\frac{1}{4}$
S26

1924

Deposit a sandstone, 8 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.22 The cor. of secs. 22, 23, 26 and 27.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°01' E., bet. secs. 26 and 27.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S27 | S26
1924

Deposit a sandstone, 4 x 3 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

57.00 Wash, 20 lks. wide, 3 ft. deep, drains SE.

70.00 Wash, 30 lks. wide, 4 ft. deep, drains E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 26, 27, 34 and 35, with brass cap marked.

Subdivision of Tp. 43 S., R. 17 E.

chains

T43S	R.17E
S27	S 26
S34	S35

1924

Deposit a sandstone, 8 x 8 x 6 ins., at base of post marked with a cross (x)

No other suitable accessories available and soil too sandy for pits.

Land, rolling with a general southeasterly exposure and drainage.

Soil, deep sandy loam, 3rd rate

Undergrowth, scattering blackbrush, goose and mountain rush.

No timber- Fair grazing.

N. 89° 59' E. on random line bet. secs. 26 and 35

40.00

Set temp. 1/4 sec. cor.

80.30

Intersect the N and S. line, 7 lks. N. of the cor. of Secs. 25, 26, 35 & 36.

Thence N. 89° 58' W., on true line bet. secs. 26 and 35

Over rolling land through scattering undergrowth.

40.15

On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked

S26
1/4
S35

1924

Deposit a sandstone, 12x6x4 ins., at base of post marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.30

The cor. of secs. 26, 27, 34 and 35.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam, 3rd rate.

chains

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber

Fair grazing.

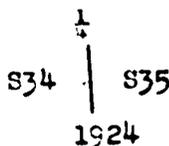
S. 0° 01' E., bet. secs. 34 and 35

Over rolling land through scattering undergrowth

20.50 Wash, 30 lbs. wide, 4 ft. deep, drains NE.

40.00 On rolling land

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in
the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked

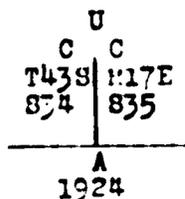


Raise a mound of stone, 2 ft. base, 1½ ft. high, W.
of cor.

78.04 Intersect the Utah-Arizona Boundary Line, N. 89° 57'
16.26 ch. dist. from the 223rd mile post, heret-
fore described in these notes.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins.
in the ground for closing cor. of secs. 34 and 35
with brass cap marked



Deposit a sandstone, 6x4x3 ins., at base of post,
marked with a cross (X)

No other suitable accessories available and soil too
sandy for pits.

Land, rolling sand hills with a general southeaster
exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and moun-
tain rush. No timber. Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

From the cor. on the N. bdy. of the township, for secs. 3, 4, 33 and 34, which is an iron post, 2 ins. diam., with brass cap, set, marked and witnessed as described in the notes of the survey of T. 42 S., R. 17 E. S. 0°02' E., bet. secs. 3 and 4.

Over broken land through scattering undergrowth.

12.00 Base of gradual ascent over N. slope of mesa, bears E. and W.

19.20 Top of N. rim of mesa, 150 ft. above base, bears E. and W.; thence over rolling top of mesa.

40.00 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked.

S4	S3
1924	

Deposit a sandstone, 5 x 3 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.00 On rolling top of mesa.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap marked.

T43S	R17E
S4	S3
S9	S10
1924	

Deposit a sandstone, 9 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, broken and N. portion of mile and rolling top of mesa on S. portion, with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Chains

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber.

Fair grazing.

East, on random line bet. secs. 3 and 10.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.00 Intersect the cor. of secs. 2, 3, 10 and 11.

Thence,

West, on true line bet. secs. 3 and 10.

Over rolling land through scattering undergrowth.

20.00 Base of gradual ascent over broken SE. slope of mesa,
bears NE. and SW.

40.00 On broken SE. slope of mesa, 50 ft. above base.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S3 \\ \frac{1}{4} \\ \hline S10 \\ 1924 \end{array}$$

Deposit a sandstone, 3 x 6 x 4 ins., at base of post,
marked with a cross (X).

No other suitable accessories available and soil too
sandy for pits.

51.00 Top of perpendicular sandstone ledge, 150 ft. high,
bears N. and S.

70.00 Enter rolling top of mesa, 280 ft. above the $\frac{1}{4}$ sec. co
bears NE. and SW.; thence over rolling top of mesa.

80.00 The cor. of secs. 3, 4, 9 and 10.

Land, broken with a general southeasterly exposure and
drainage.

Soil, shallow sandy loam mixed with loose sandstone; 2
rate.

Undergrowth, scattering shadscale, oose and mountain
rush.

No timber. Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

S. 0°02' E., bet. secs. 9 and 10.

Over rolling top of mesa through scattering undergrowth.

9.70 Top of gradual descent from top of mesa, bears N. 30° E. and S. 30° W.

31.00 Base of descent from mesa, 230 ft. below top, bears N. 30° E. and S. 30° W.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 4 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S9 | S10
1924

Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 9, 10, 15 and 16, with brass cap marked.

T43S | R17E
S9 | S10
S16 | S15
1924

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains	
	East, on random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.16	Intersect the cor. of secs. 10, 11, 14 and 15.
	Thence,
	West, on true line bet. secs. 10 and 15.
	Over rolling land through scattering undergrowth.
24.00	Wash, 30 lks. wide, 4 ft. deep, drains SE.
40.08	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{r} S10 \\ \frac{1}{4} \\ \hline S15 \end{array}$
	1924
	Deposit a sandstone, 5 x 4 x 4 ins., at base of post, marked with a cross (X).
	No other suitable accessories available and soil too sandy for pits.
80.16	The cor. of secs. 9, 10, 15 and 16.
	Land, rolling sand hills with a general southeasterly exposure and drainage.
	Soil, deep sandy loam; 3rd rate.
	Undergrowth, scattering blackbrush, oose and mountain rush.
	No timber.
	Fair grazing.
	S. 0°02' E., bet. secs. 15 and 16.
	Over rolling land through scattering undergrowth.
13.90	Wash, 75 lks. wide, 10 ft. deep, drains E.
26.00	Wash, 30 lks. wide, 4 ft. deep, drains SE.; enter scattering scrub cedar timber, bears E. and W.
40.00	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains



From which,

A cedar, 12 ins. diam., bears S. 53° E., 169 lks. dist., marked $\frac{1}{4}$ S15 BT.

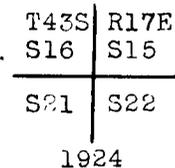
A cedar, 8 ins. diam., bears N. 68° W., 235 lks. dist., marked $\frac{1}{4}$ S16 BT.

54.00 Wash, 20 lks. wide, 3 ft. deep, drains SE.

55.00 Leave timber, bears E. and W.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 15, 16, 21 and 22, with brass cap marked.



Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar on portion of mile.

Fair grazing.

East, on random line bet. secs. 15 and 22.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect the cor. of secs. 14, 15, 22 and 23.

Thence,

West, on true line bet. secs. 15 and 22.

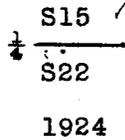
Chains

Over rolling land through scattering undergrowth.

21.00 Wash, 75 lks. wide, 6 ft. deep, drains SE.

40.01 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 6 x 3 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.02 The cor. of secs. 15, 16, 21 and 22.

Land, rolling with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°02' E., bet. secs. 21 and 22.

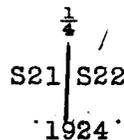
Over rolling land through scattering undergrowth.

12. 60 Wash, 10 lks. wide, 3 ft. deep, drains SE.

19.20 Wash, 10 lks. wide, 3 ft. deep, drains S. 50° E.

40.00 On rolling land, 40 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 4 x 4 x 2 ins., at base of post, marked with a cross (X).

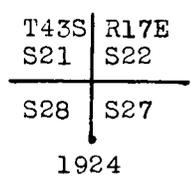
No other suitable accessories available and soil too sandy for pits.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

72.50 Wash, 10 lks. wide, 3 ft. deep, drains SE.; road, bears NE. to Bluff, Utah and SW. to ~~Keams~~ Arizona.

80.00 On rolling land, 50 ft. below the 1/4 sec. cor.
Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 21, 22, 27 and 28, with brass cap marked.



Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

East, on random line bet. secs. 22 and 27.

40.00 Set temp. 1/4 sec. cor.

80.06 Intersect the cor. of secs. 22, 23, 26 and 27.

Thence,

West, on true line bet. secs. 22 and 27.

Over rolling land through scattering undergrowth.

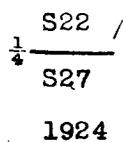
4.30 Wash, 30 lks. wide, 3 ft. deep, drains NE.

11.30 Same wash as last, drains SE.

17.00 Same wash as last, drains NE.

40.03 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked.



Chains

Deposit a sandstone, 5 x 3 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

63.60 Wash, 30 lks., wide, 3 ft. deep, drains SE.

80.06 The cor. of secs. 21, 22, 27 and 28.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

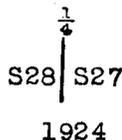
Fair grazing.

S. 0°02' E., bet. secs. 27 and 28.

Over rolling land through scattering undergrowth.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

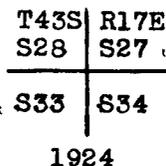


Deposit a sandstone, 12 x 7 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 27, 28, 33 and 34, with brass cap marked.



Deposit a sandstone, 12 x 9 x 3 ins., at base of post, marked with a cross (X).

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering shadscale, blackbrush, oose and mountain rush.

No timber.

Fair grazing.

East, on random line bet. secs. 27 and 34.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.02 Intersect the N. and S. line, 13 lks. N. of the cor. of secs. 26, 27, 34 and 35.

Thence,

N. $89^{\circ}55'$ W., on true line bet. secs. 27 and 34.

Over rolling land through scattering undergrowth.

40.01 On rolling land, 40 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S27 \\ \frac{1}{4} \\ \hline S34 \end{array}$$

1924

Deposit a sandstone, 12 x 7 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

72.00 Wash, 30 lks. wide, 4 ft. deep, drains S.

80.02 The cor. of secs. 27, 28, 33 and 34.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber. Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

S. 0°02' E., bet. secs. 33 and 34.

Over rolling land through scattering undergrowth.

20.00 Wash, 30 lks. wide, 4 ft. deep, drains SW.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S33 | S34

1924

Deposit a sandstone, 6 x 6 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

68.40 Wash, 10 lks. wide, 3 ft. deep, drains S. 60° E.

78.35 Intersect the Utah-Arizona Boundary Line, N. 89°56' E., 16.34 chs. dist. from the 222nd mile post, heretofore described in these notes.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. secs. 33 and 34, with brass cap marked.

U
 CC
 T43S | R17E
 S33 | S34

A
1924

Deposit a sandstone, 5 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

From the cor. on the N. bdy. of the township, for secs. 4, 5, 32 and 33, which is an iron post, 2 ins. diam., with a brass cap, marked, witnessed and set as described in the notes of the survey of T. 42 S., R. 17 E. S. 0°03' E., bet. secs. 4 and 5.

Over rolling land through scattering undergrowth.

7.50 Wash, 20 lks. wide, 3 ft., drains N. 60° E.

28.80 Wash, 50 lks. wide, 3 ft. deep, drains N. 60° E.; dim road in wash, bears NE. to Pluff, Utah and SW. to Moonlight, Arizona.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for sec. cor., with brass cap marked.

S5	S4
1924	

Deposit a sandstone, 7 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

52.00 Wash, 20 lks. wide, 3 ft. deep, drains NE.

80.00 At base of ledge, 8 ft. high, bears NE. and SW.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 4, 5, 8 and 9, with brass cap marked.

T43S	R17E
S5	S4
S8	S9
1924	

Deposit a sandstone, 6 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too loose for pits.

Land, rolling sand hills with a general northeasterly exposure and drainage.

Chains

Soil, shallow sandy loam mixed with loose sandstone;
3rd rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber.

Fair grazing.

East, on random line bet. secs. 4 and 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.88 Intersect the N. and S. line, 5 lks. N. of the cor. of
secs. 3, 4, 9 and 10.

Thence,

N. $89^{\circ}58'$ W., on true line bet. secs. 4 and 9.

Over rolling top of mesa through scattering undergrowth.

39.94 On rolling top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 3 ins. in the
ground to bedrock and in a large mound of stone, for
 $\frac{1}{4}$ sec. cor., with brass cap marked.

S4

S9

1924

Deposit a sandstone, 9 x 5 x 3 ins., at base of post,
marked with a cross (X).

No other suitable accessories available.

63.00 Top of gradual descent from top of mesa, bears NE. and SW

79.88 The cor. of secs. 4, 5, 8 and 9, 60 ft. below top of mesa

Land, rolling top of mesa with a general northerly
exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd
rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

No timber.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

S. 0°03' E., bet. secs. 8 and 9.

Ascend gradually over rolling N. slope of mesa through scattering undergrowth and timber.

- 1.10 Enter rolling top of mesa, bears NE. and SW., 50 ft. above cor.; thence over rolling top of mesa.
- 24.60 Top of gradual descent from top of mesa, bears E. and W.
- 31.90 Sandstone ledge, 20 ft. high, bears E. and W.
- 40.00 On gentle S. slope, 40 ft. below top of mesa.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground and in a large mound of stone, for 4 sec. cor., with brass cap marked.

S8	S9
1924	

Deposit a sandstone, 3 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

- 47.80 Wash, 75 lbs. wide, 30 ft. deep, drains SW.
- 64.40 Same wash as last, drains SE.; also base of descent from mesa, 130 ft. below top, bears E. and W.; thence over rolling sand hills.
- 72.00 Wash, 30 lbs. wide, 4 ft. deep, drains E.
- 80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 8, 9, 16 and 17, with brass cap marked.

T43S	R17E
S8	S9
S17	S16
1924	

From which,

A cedar, 10 ins. diam., bears N. 82°45' E., 324 lks. dist., marked T43S R17E S9 BT.

Chains

A cedar, 3 ins. diam., bears S. 25° E., 100 yds. dist., marked BT.

A cedar, 3 ins. diam., bears S. 25° E., 100 yds. dist., marked BT.

No NW. bearing tree available.

Deposit a sandstone, 4 x 4 x 3 ins., at base of post, marked with a cross (X).

Land, rolling with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

timber, scattering scrub cedar.

Fair grazing.

S. 89°58' E., on random line bet. secs. 9 and 16.

40.00 Set temp. sec. cor.

79.74 Intersect the N. and S. line, 10 lks. N. of the cor. of secs. 9, 10, 15 and 16.

Thence,

N. 89°54' W., on true line bet. secs. 9 and 16.

Over rolling land through scattering undergrowth and timber.

8.00 Tash, 30 lks. wide, 4 ft. deep, drains SE.

24.60 Tash, 150 lks. wide, 60 ft. deep, drains SE.

79.87 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in ground, for sec. cor., with brass cap marked.

$$\begin{array}{r} 39 \\ \frac{1}{2} \\ \hline 816 \\ 1924 \end{array}$$

Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil is sandy for pits.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

79.74 The cor. of secs. 8, 9, 16 and 17.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, goose and mountain rush.

Timber, scattering scrub cedar.

Fair grazing.

S. 0°03' E., bet. secs. 16 and 17.

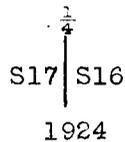
Over rolling sand hills through scattering timber and undergrowth.

2.80 Wash, 10 lks. wide, 3 ft. deep, drains S. 50° E.

34.70 Wash, 15 lks. wide, 3 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



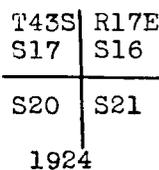
Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, W. of cor.

No suitable bearing trees available.

51.00 Wash, 10 lks. wide, 3 ft. deep; drains E.

80.00 On sandstone surface rock, mark a cross (X), over which

Set an iron post, 3 ft. long, 2 ins. diam., in a large mound of stone, for cor. of secs. 16, 17, 20 and 21, with brass cap marked.



No suitable bearing trees available.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Chains

Soil, deep sandy loam; 3rd rate.
 Undergrowth, scattering blackbrush, oose and mountain
 rush.
 Timber, scattering scrub cedar.
 Fair grazing.

S. 89°54' E., on random line bet. secs. 16 and 21.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.76 Intersect the cor. of secs. 15, 16, 21 and 22.

Thence,

N. 89°54' W., on true line bet. secs. 16 and 21.

Over rolling land through scattering undergrowth and
 scrub timber.

3.30 Wash, 10 lks. wide, 3 ft. deep, drains SE.

39.88 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
 ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\frac{S16}{\frac{1}{4} S21}$$

1924

Deposit a sandstone, 5 x 4 x 2 ins., at base of post,
 marked with a cross (X).

No other suitable accessories available and soil too
 sandy for pits.

42.50 Wash, 10 lks. wide, 17 ft. deep, drains S. 60° E.

79.76 The cor. of secs. 16, 17, 20 and 21.

Land, rolling sand hills with a general southeasterly
 exposure and drainage.

Soil, deep sandy loam mixed with loose sandstone; 3 rd
 rate.

Undergrowth, scattering blackbrush, oose and mountain
 rush.

Timber, scattering scrub cedar.

Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

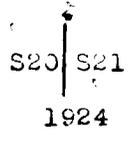
S. 0°03' E., bet. secs. 20 and 21.

Over rolling sand hills through scattering undergrowth and scrub timber.

20.00 Leave timber, bears NE. and SW.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/2 sec. cor., with brass cap marked.



Deposit a sandstone, 5 x 4 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

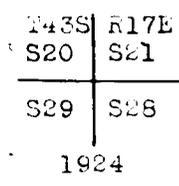
58.40 Wash, 75 lks. wide, 20 ft. deep, drains E.

74.00 Wash, 75 lks. wide, 20 ft. deep, drains E.

79.00 Wash, 45 lks. wide, 15 ft. deep, drains N. 60° E.

80.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, with brass cap marked.



Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar on N. portion of mile.

Fair grazing.

Chains

S. 89°54' E., on random line bet. secs. 21 and 28.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect the N. and S. line, 10 lks. S. of the cor. of secs. 21, 22, 27 and 28.

Thence,

N. 89°58' W., on true line bet. secs. 21 and 28.

Over rolling land through scattering undergrowth.

6.00 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

32.20 Wash, 100 lks. wide, 30 ft. deep, drains from the W. to the NE.; thence along bottom of wash.

39.87 On rolling land near bottom of wash.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S21 \\ \frac{1}{4} \\ \hline S28 \\ 1924 \end{array}$$

Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

58.00 Leave bottom of wash, drains E. from the SW.

79.74 The cor. of secs. 20, 21, 28 and 29.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°03' E., bet. secs. 28 and 29.

Over rolling land through scattering undergrowth.

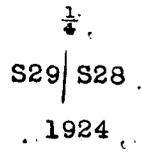
27.80 Road, bears NE. to Bluff, Utah and SW. to Kayenta, Ariz.

40.00 On rolling land.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



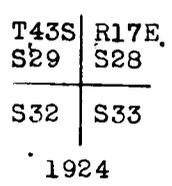
Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

42.50 Wash, 10 lks. wide, 3 ft. deep, drains SE.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 28, 29, 32 and 33, with brass cap marked.



Deposit a sandstone, 8 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 89°58' E., on random line bet. secs. 28 and 33.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.80 Intersect the N. and S. line, 7 lks. N. of the cor. of secs. 27, 28, 33 and 34.

Thence,

Chains

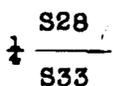
N. 89°55' W., on true line bet. secs. 28 and 33.

Over rolling sand hills through scattering undergrowth.

7.00 Wash, 30 lks. wide, 4 ft. deep, drains S.

39.90 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



1924

Deposit a sandstone, 6 x 4 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

48.00 Wash, 10 lks. wide, 3 ft. deep, drains S.

79.80 The cor. of secs. 28, 29, 32 and 33.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°03' E., bet. secs. 32 and 33.

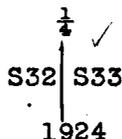
Over rolling land through scattering undergrowth.

12.60 Wash, 15 lks. wide, 3 ft. deep, drains SE.

18.00 Wash, 30 lks. wide, 4 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



Deposit a sandstone, 8 x 5 x 3 ins., at base of post, marked with a cross (X).

SUBDIVISION OF T. 43. S., R. 17 E.

chains

No other suitable accessories available and soil too sandy for pits.

78.51

Intersect the Utah-Arizona Boundary Line, N. 89° 51'E., 16.45 chs. dist. from the 221st mile post, heretofore described in these notes.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 32 and 33, with brass cap marked

U	
CC	
T43S	R17E
S32	S33

A

1924

Deposit a sandstone, 4 x 4 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oaks and mountain rush.

No timber.

Fair grazing.

From the cor. on the N. bdy. of the township, for secs. 5, 6, 31 and 32, which is an iron post, 2 ins. diam., with a brass cap marked, witnessed and set as described in the notes of the survey of T.42S R. 17 E.

S. 0° 03' E. bet. secs., 5 and 6

Over broken land through scattering undergrowth and timber.

5.00

Top of N. rim of box canyon, bears E. and W.

10.00

Bottom of box canyon, drains E., 260 ft. below top of N. rim; ascend gradually over broken S. breaks of

chains

canyon.

19.00 Top of ascent from canyon, 80 ft. above bottom, bears E. and W., descend gradually.

25.29 Small canyon, 60 ft. below top of ascent, drains N.E. ascend gradual N. slope of canyon.

40.00 At top of ascent from canyon, 100 ft. above bottom, bears E. and W.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked



Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

57.70 Top of N. rim of box canyon, bears NE and SW., thence descend abruptly over broken N. breaks of canyon.

67.60 Bottom of box canyon, 80 ft. below top of N. breaks, drains E., ascend gradually over broken S. breaks of canyon.

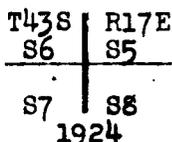
68.80 Top of small spur, 50 ft. above canyon, projects E., continue gradual ascent.

76.30 Top of ascent, bears E. and W., 50 ft. above spur; thence descend gradually.

78.00 Road from Moonlight to Bluff bears N.E. and SW.

80.00 On gentle S. slope, 30 ft. below top of ascent.

Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for cor. of secs. 5, 6, 7 and 8, with brass cap marked



From which

A cedar, 10 ins. diam., bears N. 62° 15'E., 515 lks. dist., marked T. 43 S. R. 17 E. S5 BT.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

A cedar, 8 ins. diam., bears S. 77°15' E., 187 lks. .
dist., marked T43S R17E S8 BT.

A cedar, 10 ins. diam., bears S. 20° W., 780 lks. .
dist., marked T43S R17E S7 BT.

A cedar, 3 ins. diam., bears N. 88° W., 230 lks. .
dist., marked BT.

Land, broken by sandstone rimrock and box canyons with
a general easterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd
rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

Timber, scattering scrub cedar and pinon.

Fair grazing.

East, on random line bet. secs. 5 and 8.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.92 Intersect the N. and S. line, 3 lks. N. of the cor. of
secs. 4, 5, 8, and 9.

Thence,

N. 89°59' W., bet. secs. 5 and 8, on true line.

Over broken land through scattering undergrowth and
timber.

28.10 Wash, .30 lks. wide, 4 ft. deep, drains N.

39.96 On broken land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the
ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\begin{array}{r} S5 \\ \frac{1}{4} \text{ --- } \\ S8 \end{array}$$

1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of
cor.

No suitable bearing trees available.

48.00 Base of gradual ascent over broken SE. slope of spur,
bears NE. and SW.

SUBDIVISION OF T. 43 S. 2 R. 17 E.

Chains

and

60.00. Spur, 80 ft. high, projects NE.; descend gradually over broken NW. slope of spur.

75.40 Base of descent from spur, 70 ft. below top, bears NE. and SW.

78.50 Wash, 30 lks. wide, 10 ft. deep, drains NE.

79.92 The cor. of secs. 5, 6, 7 and 8.

Land, broken with a general northeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, goose and mountain rush.

Timber, scattering scrub cedar.

Fair grazing.

West, on random line bet. secs. 6 and 7.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.53 Intersect the W. bdy. of the township, 7 lks. S. of the cor. of secs. 1, 6, 7, and 12.

Thence,

S. $89^{\circ}57'$ E., on true line bet. secs. 6 and 7.

Over broken land through scattering undergrowth and timber.

38.50 Road, bears S. 80° E. to Bluff, Utah and N. 80° W. to Moonlight.

39.53. On gentle SE. slope, 30 ft. below cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\frac{S6}{\frac{1}{4}} \\ S7$$

1924

From which,

A cedar, 12 ins. diam., bears N. $84^{\circ}45'$ E., 171 lks. dist., marked $\frac{1}{4}$ S6 BT.

A cedar, 6 ins. diam., bears S. $77^{\circ}30'$ E., 207 lks. dist., marked $\frac{1}{4}$ S7 BT.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

- 43.00 Descent becomes more abrupt, bears NE. and SW.
- 73.00 Same road as last, bears N. 80° E. and S. 80° W.
- 79.53 The cor. of secs. 5, 6, 7, and 8, 140 ft. below the $\frac{1}{4}$ sec. cor.

Land, broken by outcroppings of sandstone, with a general southeasterly exposure and drainage.

Soil, shallow rocky sandy loam; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

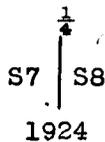
Timber, scattering cedar and pinon.

Fair grazing.

S. 0°03' E., bet. secs. 7 and 8.

Ascend gradually over broken land through scattering undergrowth and timber.

- 1.70 Wash, 30 lks. wide, 6 ft. deep, drains E.
- 17.50 Spur, 60 ft. above cor., projects NE.; continue gradual ascent.
- 28.00 The E. point of spur, 40 ft. above last spur, descend gradually.
- 39.80 Wash, 30 lks. wide, 4 ft. deep, drains NE.
- 40.00 On rolling land, 30 ft. below point of spur.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.



From which,

A pinon, 10 ins. diam., bears S. 3°45' E., 67 lks. dist., marked $\frac{1}{4}$ S8 BT.

A cedar, 6 ins. diam., bears N. 47°15' W., 163 lks. dist., marked $\frac{1}{4}$ S7 BT.

Thence ascend gradually.

- 60.00 Rolling top of ridge, 40 ft. above the $\frac{1}{4}$ sec. cor., bears NE. and SW.; descend gradually.

Chains

80.00 On broken SE. slope, 40 ft. below ridge. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. from the ground, for cor. of secs. 7, 8, 17 and 18, with brass cap marked.

T43S	R17E
S7	S8
S18	S17

1924

From which,

A cedar, 6 ins. diam., bears N. $54^{\circ}15'$ E., 237 lks. dist., marked T43S R17E S8 BT.

A cedar, 7 ins. diam., bears S. $3^{\circ}30'$ E., 99 lks. dist., marked T43S R17E S17 BT.

A cedar, 6 ins. diam., bears S. 19° W., 109 lks. dist., marked BT. Tree top scrubby for other marks.

A cedar, 5 ins. diam., bears N. 62° W., 92 lks. dist., marked T43S R17E S7 BT.

Land, broken by sandstone outcroppings with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering shadscale, blackbrush, oose and mountain rush.

Timber, scattering cedar and pinon.

40.00 S. $89^{\circ}59'$ E., on random line bet. secs. 8 and 17.
Set temp. $\frac{1}{4}$ sec. cor.
79.86 Intersect the N. and S. line, 7 lks. S. of the cor. of secs. 8, 9, 16 and 17.

Thence,

S. $89^{\circ}58'$ W., on true line bet. secs. 8 and 17.

Over rolling land through scattering undergrowth.

19.20 Wash, 20 lks. wide, 6 ft. deep, drains S. 80° E.

39.93 On rolling land, 70 ft. above the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

. SUBDIVISION OF T. 43 S., R. 17 E.

Chains

$\frac{1}{4}$ $\frac{S8}{S17}$

1924

Deposit a sandstone, 6' x 4' x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

60.00 Wash, 20 lks. wide, 3 ft. deep, drains N. 80° E.

79.86 The cor. of secs. 7, 8, 17 and 18, 40 ft. above the $\frac{1}{4}$ sec. cor.

Land, rolling with a general easterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering cedar and pinon.

Fair grazing.

N. 89°57' W., on random line bet. secs. 7 and 18.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.52 Intersect the W. bdy. of the township, 5 lks. N. of the cor. of secs. 7, 12, 13 and 18.

Thence,

S. 89°59' E., on true line bet. secs. 7 and 18.

Over broken land through scattering undergrowth, and timber.

1.40 Top of W. rim of box canyon, bears N. and S.

4.20 Bottom of box canyon, 100 ft. below cor., drains N.; ascend broken E. breaks of canyon.

6.40 Top of E. rim of canyon, bears N. and S., 100 ft. above bottom; thence ascend gradually.

26.20 Ridge, 50 ft. above rim of canyon, bears NE. and SW.; descend abruptly over broken SE. slope of ridge.

34.10 Sandstone rimrock, 50 ft. high, bears N. and S.

Chains

39.52 On broken SE. slope, 200 ft. below top of ridge.
Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$ $\frac{S7}{S18}$

1924

Deposit a sandstone, 6 x 5 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

42.70 Base of descent from ridge, 50 ft. below the $\frac{1}{4}$ sec. cor., bears NE. and SW.; thence over rolling bench land.

57.70 Wash, 30 lks. wide, 4 ft. deep, drains SE.

79.52 The cor. of secs. 7, 8, 17 and 18.

Land, broken on W. portion of mile and rolling on E. portion with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar.

Fair grazing.

S. 0°03' E., bet. secs. 17 and 18.

Over rolling land through scattering undergrowth and timber.

24.80 Wash, 20 lks. wide, 20 ft. deep, drains E.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
S18 | S17

1924

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Deposit a sandstone, 5 x 4 x 3 ins., at base of post,
marked with a cross (X).

No other suitable accessories available and soil too
sandy for pits.

47.70 The N. edge of rolling top of spur, 50 ft. high, projects
E.; thence over rolling top of spur.

61.00 Top of sandstone ledge, at S. edge of spur, 30 ft. high,
bears E. and W.

62.50 Wash, 50 lks. wide, 8 ft. deep, drains E.

80.00 On sandstone surfacerock, mark a cross (X), over which,
Set an iron post, 3 ft. long, 2 ins. diam., in a large
mound of stone, for cor. of secs. 17, 18, 19 and 20,
with brass cap marked.

T43S	R17E
S18	S17
S19	S20

1924

No suitable bearing trees available.

Land, rolling with a general southeasterly exposure and
drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd
rate.

Undergrowth, scattering blackbrush, oose and mountain
rush.

Timber, scattering scrub cedar.

Fair grazing.

N. 89°58' E., on random line bet. secs. 17 and 20 .

40.00 Set temp. $\frac{1}{4}$ sec. cor.

79.74 Intersect the N. and S. line, 3 lks. N. of the cor. of
secs. 16, 17, 20 and 21.

Thence,

S. 89°59' W., on true line bet. secs. 17 and 20.

Over broken land through scattering undergrowth and
timber.

Chains	
39.87	<p>On rolling land, 230 ft. below the sec. cor.</p> <p>Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.</p> <p style="text-align: center;">$\frac{1}{4}$ $\frac{S17}{S20}$</p> <p style="text-align: center;">, 1924</p>
	<p>Deposit a sandstone, 6 x 5 x 4 ins., at base of post, marked with a cross (X).</p>
	<p>No suitable bearing trees available.</p>
47.00	<p>Spur, 40 ft. high, projects N.</p>
63.60	<p>Small spur, 30 ft. high, projects N.</p>
72.70	<p>Spur, 100 ft. high, projects E.</p>
79.74	<p>The cor. of secs. 17, 18, 19 and 20.</p> <p>Land, broken with a general northerly exposure and drainage.</p> <p>Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.</p> <p>Undergrowth, scattering blackbrush, oose and mountain rush.</p> <p>Timber, scattering scrub cedar.</p> <p>Fair grazing.</p>
	<p>N. 89°59' W., on random line bet. secs. 18 and 19.</p>
40.00	<p>Set temp. $\frac{1}{4}$ sec. cor.</p>
79.69	<p>Intersect the W. bdy. of the township, 10 lks. N. of the cor. of secs. 13, 18, 19 and 24.</p>
	<p>Thence,</p>
	<p>N. 89°57' E., on true line bet. secs. 18 and 19.</p>
	<p>Ascend gradually over broken sandstone ledges through scattering undergrowth and timber.</p>
19.40	<p>Base of abrupt ascent to top of spur, bears N. and S.</p>
29.70	<p>Spur, 290 ft. above cor., projects S. from base of large sandstone butte, 3 chains to the N.; thence descend gradually over broken S. slope.</p>

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

39.69 On sandstone surfacerock, 60 ft. below spur, mark a cross (X), over which.

Set an iron post, 3 ft. long, 1 in. diam., in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S18
 $\frac{1}{4}$ ———
 S19

1924

No suitable bearing trees available.

45.00 Saddle in ridge bet. two large sandstone buttes, 40 ft. below the $\frac{1}{4}$ sec. cor., bears NW. and SE.; descend abruptly over broken NE. slope of ridge.

71.50 Draw, 300 ft. below ridge, drains N.; ascend abruptly.

75.80 Spur, 60 ft. above draw, projects N.; descend abrupt E. slope of spur.

79.69 The cor. of secs. 17, 18, 19 and 20, 90 ft. below spur. Land, broken by sandstone ledges with a general northerly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar.

Fair grazing.

S. 0°03' E., bet. secs. 19 and 20.

Over broken sandstone ledges through scattering timber and undergrowth.

As the line to the S. of this cor., passes over inaccessible sandstone ledges, I offset as follows.

East, 6.83 chs.; thence, S. 0°03' E., on offset line, giving approximate distances to topography on true line.

20.20 Spur, 200 ft. above cor., projects E.; descend gradually.

29.60 Point on sloping E. face of large sandstone butte, 20 ft. below spur; descend abruptly over broken SE. slope of butte.

Chain

40.00 West, 6.83 chs. to point on true line, at base of hill 140 ft. below point on E. slope of same, bears NE. and SW.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.



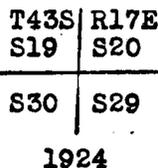
Deposit a sandstone, 8 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Return to the point left 6.83 chs. E. of the $\frac{1}{4}$ sec. cor. and continue S. 0°03' E., on offset line.

50.40 Small draw, 70 ft. below the $\frac{1}{4}$ sec. cor., drains E.; continue gradual descent.

80.00 West, 6.83 chs. to point on true line, 140 ft. below draw Set an iron post, 3 ft. long, 2 ins. diam., 16 ins. in ground to bedrock and in a large mound of stone, for cor. of secs. 19, 20, 29 and 30, with brass cap marked.



Deposit a sandstone, 8 x 6 x 2 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, broken with a general easterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering scrub cedar. Fair grazing.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

N. 89°59' E., on random line bet. secs. 20 and 29.

40.00 Set temp. 1/4 sec. cor.

79.80 Intersect the N. and S. line, 14 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence,

S. 89°53' W., on true line bet. secs. 20 and 29.

Over rolling land through scattering undergrowth.

2.60 Wash, 45 lks. wide, 5 ft. deep, drains NE.

37.50 Wash, 30 lks. wide, 5 ft. deep, drains SE.

39.90 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 1/4 sec. cor., with brass cap marked.

S20
1/4
S29

1924

Deposit a sandstone, 6 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

42.40 Wash, 45 lks. wide, 10 ft. deep, drains SE.

79.80 The cor. of secs. 19, 20, 29 and 30.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, obse and mountain rush.

No timber.

Fair grazing.

S. 89°57' W., on random line bet. secs. 19 and 30.

40.00 Set temp. 1/4 sec. cor.

79.77 Intersect the W. bdy. of the township, 7 lks. S. of the cor. of secs. 19, 24, 25 and 30.

Thence,

East, on true line bet. secs. 19 and 30.

Chains

Over broken land through scattering undergrowth.

16.10 Gulch, 60 ft. below cor., drains S.; ascend abruptly over broken W. slope of spur.

29.40 Spur, 280 ft. above gulch, projects S., 10 chains dist.; descend gradually over broken E. slope of spur.

39.60 Wash, 110 lks. wide, 40 ft. deep, 100 ft. below spur, drains S.; ascend abruptly.

39.77 On broken W. slope of spur, 80 ft. above bottom of wash. Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

S19

$\frac{1}{4}$
S30

1924

Deposit a sandstone, 8 x 5 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

43.30 Spur, 80 ft. above the $\frac{1}{4}$ sec. cor., projects S.; descend gradually over broken E. slope of spur.

51.70 Wash, 75 lks. wide, 30 ft. deep, drains SE.

60.60 Wash, 25 lks. wide, 30 ft. deep, drains S.

79.77 The cor. of secs. 19, 20, 29 and 30, 140 ft. below spur.

Land, broken with a general southerly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°03' E., bet. secs. 29 and 30.

Over rolling land through scattering timber, and undergrowth.

· SUBDIVISION OF T. 43 S., R. 17 E.

Chains

16.30 Wash, 45 lks. wide, 5 ft. deep, drains SE.

30.00 Leave timber, bears E. and W.

40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S30 | S29
 1924

Deposit a sandstone, 8 x 4 x 4 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

80.00 On rolling land.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked.

T43S	R17E
S30	S29
S31	S32

 1924

Deposit a sandstone, 6 x 3 x 3 ins., at base of post marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, shallow sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

Timber, scattering cedar on N. portion of mile, none on S. portion.

Fair grazing.

SUBDIVISION OF T. 43 S. R. 15 E.

Chains	
	N. 89°53' E., on random line bet. secs. 29 and 32.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.80	Intersect the N. and S. line, 10 lks. S. of the corner of secs. 28, 29, 32 and 33.
	Thence,
	S. 89°49' W., on true line bet. secs. 29 and 32.
	Over rolling land through scattering undergrowth.
8.30	Enter wash, 60 lks. wide, 8 ft. deep, drains from the W. the SE.; thence along bottom of wash.
18.30	Leave bottom of wash, drains E. from the NW.
39.90	On rolling land.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.
	$\begin{array}{r} S29 \\ \frac{1}{4} \\ \hline S32 \\ 1924 \end{array}$
	Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).
	No other suitable accessories available and soil too sandy for pits.
60.50	Road, bears NE. to Bullif, Utah and SW. to Kayenta, Ariz.
79.80	The cor. of secs. 29, 30, 31 and 32.
	Land, rolling sand hills with a general southeasterly exposure and drainage.
	Soil, deep sandy loam mixed with loose sandstone; 3rd rate.
	Undergrowth, scattering blackbrush, oose and mountain rush.
	No timber.
	Fair grazing.
	West, on random line bet. secs. 30 and 31.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.71	Intersect the W. bdy. of the township, 12 lks. N. of the cor. of secs. 25, 30, 31 and 36.

SUBDIVISION OF T. 43 S., R. 17 E.

Chains

Thence,

N. 89°55' E., on true line bet. secs. 30 and 31.

Over rolling land through scattering undergrowth.

6.80 Wash, 75 lks. wide, 10 ft. deep, drains SE.

12.70 Wash, 75 lks. wide, 10 ft. deep, drains SE.

39.40 Top of small spur, 40 ft. high, projects N.

39.71 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a large mound of stone, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$$\frac{1}{4} \frac{S30}{S31}$$

1924

Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

48.40 Base of S. point of sandstone spur from the N.

58.40 Trail bears NW. and SE.

70.20 Wash, 75 lks. wide, 20 ft. deep, drains SE

77.10 Wash, 75 lks. wide, 30 ft. deep, drains SE.

79.71 The cor. of secs. 29, 30, 31 and 32.

Land, rolling sand hills with a general southeasterly exposure and drainage.

Soil, deep sandy loam mixed with loose sandstone; 3rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

S. 0°03' E., bet. secs. 31 and 32.

Over rolling land through scattering undergrowth.

17.80 Bend in road, bears NE. to Bluff, Utah and SE. to

Kayenta, Arizona.

Chains

19.40 Wash, 75 lks. wide, 20 ft. deep, drains SE.
 22.30 Road, bears NE. to Bluff, Utah and SW. to Kayano, Ariz.
 40.00 On rolling land.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{4}$ sec. cor., with brass cap marked.

$\frac{1}{4}$
 S31 | S32
 1924

Deposit a sandstone, 6 x 4 x 3 ins., at base of post, marked with a cross (X).

No other suitable accessories available and soil too sandy for pits.

46.50 Wash, 15 lks. wide, 3 ft. deep, drains E.

78.38 Intersect the Utah-Arizona Boundary Line, East, 16.65 chains dist. from the 220th mile post, heretofore described in these notes.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 31 and 32, with brass cap marked.

U
 C | C
 T43S | R17E
 S31 | S32
 U
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

Land, rolling with a general southeasterly exposure and drainage.

Soil, deep sandy loam mixed with loose sandstone, 3 rd rate.

Undergrowth, scattering blackbrush, oose and mountain rush.

No timber.

Fair grazing.

CLOSING ERRORS OF T. 43 S., R. 17 E.

Lines designated	True bearings	Dist-ances. Chs.	Latitudes		Departures		
			N. Chs.	S. Chs.	E. Chs.	W. Chs.	
N. bdy. T43S R17E	West	479.55				479.55	
W. bdy. T43S R17E	South	478.65		478.65			
E. bdy. T43S R17E	North	477.90	477.90				
U.-A. Bdy. Line	S.89°57'E.	62.99		.05	62.99✓		
	East	80.16			80.16✓		
	N.89°51'E.	80.06	.21		80.06✓		
	N.89°56'E.	79.99	.09		79.99✓		
	N.89°57'E.	80.05	.07		80.05✓		
	N.89°58'E.	79.86	.05		79.86✓		
	N.89°55'E.	17.11	.02		17.11✓		
Convergency							.55
						478.34✓	478.70✓
						480.22✓	480.10✓
Errors in latitudes and departures						0.36✓	0.12✓

GENERAL DESCRIPTION OF T. 43 S., R. 17 E.

The land in the southeast portion of this township consists of rolling sand hills with a general southeasterly exposure and drainage while that in the northwest portion is broken by high sandstone buttes and perpendicular rims of box canyons which drain to the east.

The soil in the south and east portions of the township consists of a deep sandy loam while that in the north and west portions is a shallow sandy loam mixed with loose sandstone and in many places nothing but sandstone surfacerock is found.

The only timber in the township is a few scattering patches of scrub cedar and pinon found in the northwest portion.

The undergrowth throughout the township consists of a scattering growth of blackbrush, oose, mountain rush and native grasses which affords fair grazing for cattle during the winter months. No water was found on the township, which makes it impossible to graze the land during the summer months.

No portion of the township is suitable for farming as the land requires irrigating to produce crops. A wagon road which is in a poor condition, enters the township from Bluff, Utah on the north boundary of section two, and bears in a southwesterly direction to Kayenta, Arizona, leaving the township on the west boundary of section 31. A dirt road from Bluff, Utah, enters the township on the north boundary of section 4 and bears in a westerly direction to Moonlight, Utah, leaving the township on the west boundary of section 6.

No settlers, indications of mineral or improvements were found on the township.

The magnetic declination was not taken on account of a defective needle.

FIELD ASSISTANTS.

NAMES.

CAPACITY.

Sidney R. Reese	1st Chairman
Pryor Wurtsbaugh	1st Chairman
Elliot Tuttle	2nd Chairman
Leslie Allen	2nd Chairman
Chas. Sleeper	Flagman
Robert Resiegh	Flagman
Max Brown	Cornerman
Cleveland Hunter	Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR.

Chas. F. Moore and Willis W. Bandy, U.S. Surveyors, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 17th day of September, 1924, we have well, faithfully, and in our own proper persons, 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 east and west boundaries and subdivision of T. 43 S., R. 17 E., and resurvey of the Utah-Arizona Boundary Line from the 219th mile post to the 226th mile post

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 us, and under our direction; and 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 U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Date Nov 24-1924 Bluff, Utah

Chas. F. Moore U.S. Transitman U.S. Surveyor

Date November 14, 1924. Salt Lake City, Utah

APPROVAL. Willis W. Bandy U.S. Transitman

OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Salt Lake City, Utah

March 4, 1925

The foregoing field notes of the survey of east and west boundaries and subdivision of T. 43 S., R. 17 E. and resurvey of the Utah-Arizona Boundary Line from the 219th mile post to the 226th mile post, of the Salt Lake Base and Meridian,

executed by Chas. F. Moore and Willis W. Bandy, U.S. Transitmen under his special instructions dated September 17, 1924, 1924, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

[Signature] U.S. Surveyor General

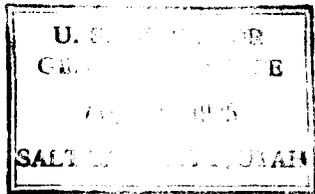
I certify that the foregoing transcript of the field notes of the above-described surveys in [blank], has been correctly copied from the original notes on file in this office.

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BOOK A-474

FIELD NOTES

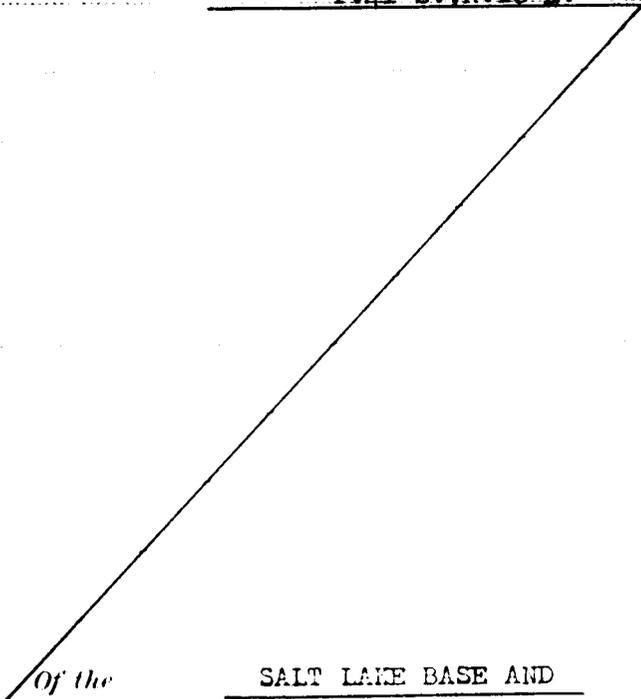
OF THE SURVEY OF THE

FM-5.

G. N. F. B. J.

FRACTIONAL SOUTH AND WEST BOUNDARIES OF

T.41 S., R.18 E.



Of the

SALT LAKE BASE AND

Meridian,

In the State of

UTAH

EXECUTED BY

WILLIS W. BANDY

In the capacity of U. S. Surveyor, under instructions dated September 17, 1923 issued by the United States Surveyor General to govern surveys included in Group No. 149, which were approved by the Commissioner of the General Land Office, September 28, 1923 and assignment instructions dated December 4, 1923

Survey commenced January 8, 1924

Survey completed January 9, 1924

BUY A-474 :

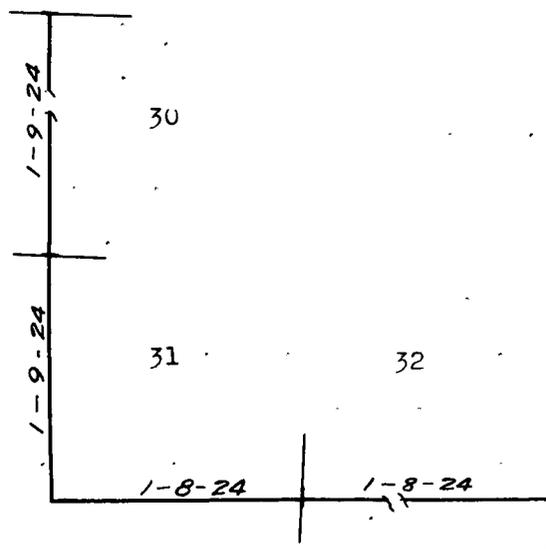
INDEX DIAGRAM.

Township 41 South , Range 18 East

	6	5	4	3	2	1
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
4	30	29	28	27	26	25
3	31	32	33	34	35	36
	7	8				
	3	2				

T.41 S., R.18 E.

Date diagram



Survey commenced January 8, 1924 and executed with Young and Sons light mountain transit No. 8396 equipt with full vertical circle and Smith solar attachment.

For complete description, preliminary and final test of instrument and approval of same, see survey of T.42 S., R.17 E., group 149, Utah.

METHOD AND ORDER OF PROCEDURE

The fractional S. bdy. of sec. 32, the S. bdy. of sec. 31, the fractional W. bdy. of sec. 30 and the W. bdy. of sec. 31, T.41 S., R.18 E. were surveyed in order to establish the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. from which to initiate surveys in R.17 E. as

Chains

provided for in the Special Instructions, the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. was to have been established at the intersection of a line run west from the previously established meander cor. of secs. 5 and 32 on the right bank of San Juan River, with one run south from the meander cor. of secs. 25 and 30 on the right bank of the river. Fractional distance on the S. bdy. is placed in the western half mile; and fractional distance of the W. bdy. against the river. Preliminary retracements on the S. and W. bdrs. of T. 41 S., R. 18 E. revealed the fact that the meander cor. of secs. 5 and 32, S. bdy. and the meander cor. of secs. 25 and 30, W. bdy., on the right bank of the river are missing, therefore, the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. is established at the intersection of a line run west from the cor. of secs. 4, 5, 32 and 33 on the S. bdy. with one run south from the cor. of secs. 19, 24, 25 and 30 on the W. bdy. Pursuant to instructions contained in the Commissioner's letter 1084914, E, TCH, dated September 28, 1923, the remainder of the survey of the S. bdy. of T. 41 S., R. 18 E. is not completed at this time.

SOUTH AND WEST BOUNDARIES, T. 41 S., R. 18 E.

Random lines.

I begin at the cor. of secs. 4, 5, 32 and 33 on the S. bdy. of T. 41 S., R. 18 E. which is an iron post, 3 ins. in diam., firmly set in the ground and mound of stone, and marked and witnessed as described by the surveyor general.

Thence

West, bet. secs. 5 and 32.

20.00 Set flag for future reference.

SOUTH AND WEST BOUNDARIES, T.41 S., R.18 E.

Chains

44.70 No trace of the witness cor. to the $\frac{1}{4}$ -sec. cor. or the meander cor. of secs. 5 and 32 on the right bank of San Juan River can be found.

To determine distance across river, I proceed as follows:
Return to my flag at 20.00 chs.

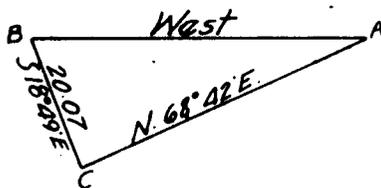
which I designate "A" and set flag "B", on line west on west side of river. Then

from flag "B" measure base

line "BC", S.18°49'E., 20.07 chs. distant. The line

"CA" bears N.68°42'E. All bearings taken by direct

reading of the solar and angles checked by deflection.



Distance on random line = 20.00 chs.

Distance by triangulation = 55.20 chs.

Total = 75.20 chs.

75.20 Continue west on random line, and, at

157.78 (Computed) set temp. cor. of secs. 41 and 42 N., Sec. 17 and 18 E.

From the cor. of secs. 19, 24, 25 and 30 on the W. bdy. of T.41 S., R.18 E., which is an iron post, 3 ins. in dia., firmly set in the ground and bound of stone, and marked and witnessed as described by the surveyor general.

South, bet. secs. 25 and 30.

22.00 No trace of the meander cor. of secs. 25 and 30 on the right bank of San Juan River can be found.

To determine the distance to the S. side of river, I proceed as follows:

From the cor. of secs. 19, 24, 25 and 30, set flag "A" on line south, then from flag "A"

measure a base line, N.65°01'E.,

15.40 chs. distant. From the

east end of base, the cor. of



WEST BOUNDARY OF T.41 S., R.18 E. 1902

Chains

secs. 19, 24, 25 and 30, bears N. 10° 53' W. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation = 79.11 chs.

79.11 Continue random line south, and, at

158.69 Fall 3.60 chs. W. of the temp. cor. of Tps. 41 and 42 S., Rs. 17 and 18 E. heretofore described.

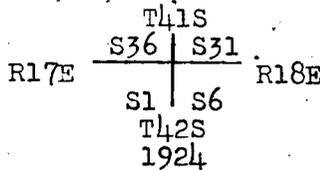
The distance of the west half mile of the S. bdy. of sec. 31, T.41 S., R.18 E. therefore is 41.38 chs.

WEST BOUNDARY OF T.41 S., R.18 E.

True Lines.

At the point of intersection of the line projected W. from the cor. of secs. 4, 5, 32 and 33 on the S. bdy. and south from the cor. of secs. 19, 24, 25 and 30 on the W. bdy. of T.41 S., R.18 E.,

Set an iron post, 3 ft. long, 3 ins. in dia., 28 ins. in the ground for cor. of Tps. 41 and 42 S., Rs. 17 and 18 E., with brass cap marked



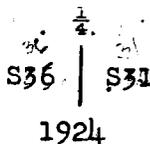
Deposit a sandstone, 12x6x6 ins., marked with a cross (X) on one face at base of monument.

Thence

North, bet. secs. 31 and 36.

Gradually descend over rolling bench land through short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for $\frac{1}{4}$ sec. cor., with brass cap marked



WEST BOUNDARY OF T.41 S., R.18 E.

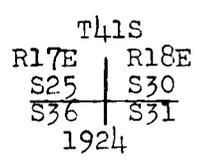
Chains

Deposit a sandstone, 5x5x4 ins., marked with a cross (X) on one face at base of monument.

63.75 Small sandstone ledge, bears N.60°W. and S.60°E.; descend 50 ft. to

79.58 Point of triangulation on random line.

80.00 On surface rock, mark a cross (X) at exact cor. point, over which, Set an iron post, 3 ft. long, 2 ins. in dia., 30 inc. in a large mound of stone for cor. of secs. 25, 30, 31 and 36, with brass cap marked



Impracticable to build other accessories to cor.

Land, rolling bench; general N. exposure and drainage.

Soil, loose shallow sand and rock of sandstone formation; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

North, bet. secs. 25 and 30.

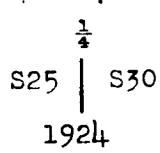
Over top of mesa.

.50 Top of ledge and breaks of canyon, bears N.60°E. and S.60°W.; descend precipitous N. slope.

22.00 Bottom of canyon, 700 ft. below sec. cor., drains N.50°E., ascend abruptly.

38.00 Spur, 600 ft. above canyon, projects E.; descend abruptly over N. slope 100 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for 1/4 sec. cor., with brass cap marked

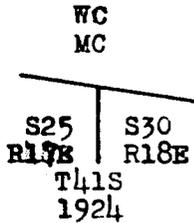


Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, cor. of cor.

Chains

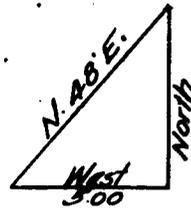
Continue abrupt descent over N. slope to

46.01 Top of ledge wall over San Juan River, bears N. 75° W. and S. 75° E.; point for meander cor. of secs. 25 and 30 on the left bank of San Juan River will fall on inaccessible ground, therefore, at this point Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for witness cor. to the meander cor. of secs. 25 and 30, with brass cap marked



Raise a mound of stone, 2 ft. base, 1 1/2 ft. high, S. of cor. To determine the distance to the true point for the meander cor. on the left bank of the river, I make the following triangulation:

Note a rock on line N. on left bank of river, then from the W.C. to the meander cor., measure a base line, west, 5.00 chs. distant to a point where the rock on left bank of river, bears N. 48° E.; all bearings taken by direct reading of the solar.



Distance by triangulation = 4.50 chs.

4.50 chs. + 46.01 chs. =

50.51 To point for meander cor. of secs. 25 and 30 on the left bank of San Juan River. Impossible to reach cor. point on account of ledges.

The computed tie from the point for the meander cor. of secs. 25 and 30 on the left bank of river to the point for the meander cor. of secs. 25 and 30 on the right bank is as follows:

79.11 chs. (Distance by triangulation from the cor. of secs. 19, 24, 25 and 30 to point of triangulation on random line on S. side of river) minus 22.00 chs. (

SOUTH BOUNDARY OF T.41 S., R.18 E.

Chains

Distance from cor. of secs. 19,24,25 and 30 to point for meander cor. secs. 25 and 30 on right bank of river) minus 50.93 chs. (Distance from point of triangulation on random line on S. side of river to true point for meander cor. on left bank of river) gives 6.18 chs. the distance bet. the true point for meander cor. on the left bank of river to point for meander cor. on the right bank of river.

56.69 Point for meander cor. on right bank of San Juan River.

78.69 The cor. of secs. 19,24,25 and 30 heretofore described.

Land, rough breaks of san Juan River, practically impassable.

Soil, mostly rock of sandstone formation.

No timber.

Undergrowth, black brush and mountain rush.

Poor grazing.

SOUTH BOUNDARY OF T.41 S., R.18 E.

true Lines.

From the cor. of Tps. 41 and 42 S., Rs. 17 and 18 E., heretofore described.

East, bet. secs. 6 and 31.

Over rolling and broken bench land near S. rim of San Juan River Canyon through short undergrowth.

41.38 Set an iron post, 3 ft. long, 1 in. in dia., 18 ins. in the ground on solid rock and 12 ins. in a mound of stone for $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$ S31
 S6
 1924

Raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, N. of cor.

48.75 Edge or bank of canyon, slopes toward San Juan River.

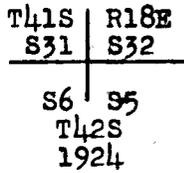
66.10 Small limestone ledge, bears N.60°E. and S.60°W.

81.38 Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in

Chains

series

in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 5, 6, 31 and 32, with brass cap marked



Deposit a sandstone, 6x5x5 ins., marked with a cross (X) on one face at base of monument.

Land, rolling and broken bench; general N. exposure and drainage.

Soil, sandy and rocky of sandstone and limestone formation; 3rd. rate.

No timber.

Undergrowth, black brush and mountain rush.

Poor grazing.

East, bet. secs. 5 and 32.

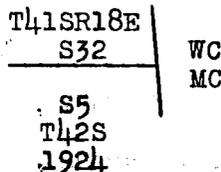
Over rolling bench land through short undergrowth.

4.80 Point of triangulation on random line on brink of San Juan River Canyon, bears NW. and SE.; descend precipitous canyon slope over ledges.

21.79 Point for the meander cor. of secs. 5 and 32 on the left bank of San Juan River falls on inaccessible ground and cor. ^{point} cannot be reached, therefore, at this point,

On-surface rock, mark a cross(X), over which,

Set an iron post, 3 ft. long, 1 in. in dia., 30 ins. in a large mound of stone for witness cor. to the meander cor. of secs. 5 and 32 on the left bank of San Juan River, with brass cap marked



Cor. stands on precipitous E. slope of canyon, 580 ft. below brink.

SOUTH BOUNDARY OF T.41 S., R.18 E.

Chains

211.10

Note: It is impossible to make direct measurement or triangulate to the true point for the meander cor. of secs. 5 and 32 on the left bank of the river owing to the high, inaccessible ledges immediately above the river and the precipitous and impassable slopes of the canyon, therefore, it is estimated that the left bank of the river is 3.00 chs. east and 500 ft. below.

Thence by triangulation across river from point at 4.80 chs. to

60.00 E. point of triangulation on random line.

80.00 The cor. of secs. 4, 5, 32 and 33 heretofore described.

Land, rolling bench on W. 4.80 chs. and precipitous slopes and breaks of San Juan River Canyon on remainder of mile.

Soil, chiefly sandstone rock with occasional limestone outcropping.

No timber.

Undergrowth, black sage and mountain rush.

Poor grazing.

 GENERAL DESCRIPTION

The south bdy. of sec. 31 and the west 4.80 chs. of the S. bdy. of sec. 32, T.41 S., R.18 E. are situated on top of a high mesa near the S. rim of the San Juan River Canyon. The soil is sandy, mixed with sandstone and limestone rock and supports a scattered growth of short black brush and mountain rush undergrowth.

The E. 76.20 chs. passes over the breaks of San Juan River Canyon and is practically inaccessible, the fall over ledges and talus slopes from the canyon rim to the river being approximately 1500 ft. in less than half a mile.

GENERAL DESCRIPTION.

enlarged

The slopes of the canyon are strewn with large boulders and are void of vegetation.

For general description of W. bdy. see survey of T.41 S., R.17 E.

BOOK A-474

4-680

FIELD ASSISTANTS.

NAMES.

CAPACITY.

Pryor Wurtstaugh

Chainman

Sidney Reese

Chainman

Chas Sleeper

Flagman

Max Brown

Cornerman

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Willis W. Bandy, U. S. Surveyor, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for Utah bearing date of the 17th. day of September, ¹⁹²³~~191~~, 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 fractional south and west boundaries of T.41 S., R.18 E.,

_____ of the Salt Lake Base

_____ and _____ Meridian, in the State of _____ Utah, which are represented in the foregoing field notes, and date diagram on dates as shown on said diagram, as having been executed by me, and under my direction; and 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 U. S. Surveyor General for Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Certified to at: Hurricane Utah 3, 25 1925 Willis W. Bandy U. S. Surveyor.

APPROVAL.

Office of the Supervisor of Surveys,
~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL,~~

Denver, Colorado, Nov. 23, 1923

The foregoing field notes of the survey of fractional south and west boundaries of Township No. 41 South, Range No. 18 East, of the Salt Lake Base and Meridian, Utah;

executed by Willis W. Bandy, U. S. Surveyor,

under ~~his~~ special instructions dated September 17, 1923, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Walter Johnson
U. S. Surveyor General
Supervisor of Surveys.

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