Volume

#

R0476

BOOK A-476

"B".

FIELD NOTES

Original
U. S. SURVEYOR GENERAL'S OFFICE
MAR 1925
SALT LAKE CITY, UTAH

OF THE XXXXXXXXXXXX

RESURVEY OF PORTION OF 8TH STANDARD PARALLEL SOUTH THROUGH RANGE 7 WEST: RESURVEY OF SOUTH BOUNDARY: SURVEY OF PORTION OF WEST BOUNDARY; SURVEY OF EAST BOUNDARY; RESURVEY AND SURVEY OF SUBDIVISION OF TOWNSHIP 41 SOUTH, RANGE 7 WEST.

Of the SALT LAKE BASE AND *Meridian,*

In the State of UTAH

EXECUTED BY

ANDREW NELSON — U.S. CADASTRAL ENGINEER.

CHAS. F. MOORE — U.S. TRANSITMAN

AND

ROBERT C. YUNDT — U.S. TRANSITMAN

~~*In the capacity of U.S. Surveyor*~~ ..., *under instructions dated* March 10 *1921,* and supplemental special instructions dated March 10, 1924, *issued by the United States Surveyor General to govern surveys included in Group No.* 82, *which were approved by the Commissioner of the General Land Office,* March 25, 1921 / and March 18, 1924, and Assignment Instructions dated June 24, 1921, and Supplemental Assignment Instructions dated Sept. 12, 1921, Nov. 5, 1923, and Aug. 27, 1924.

Survey commenced September 6, 1921, ~~*191*~~

Survey completed September 23, 1924, ~~*19*~~

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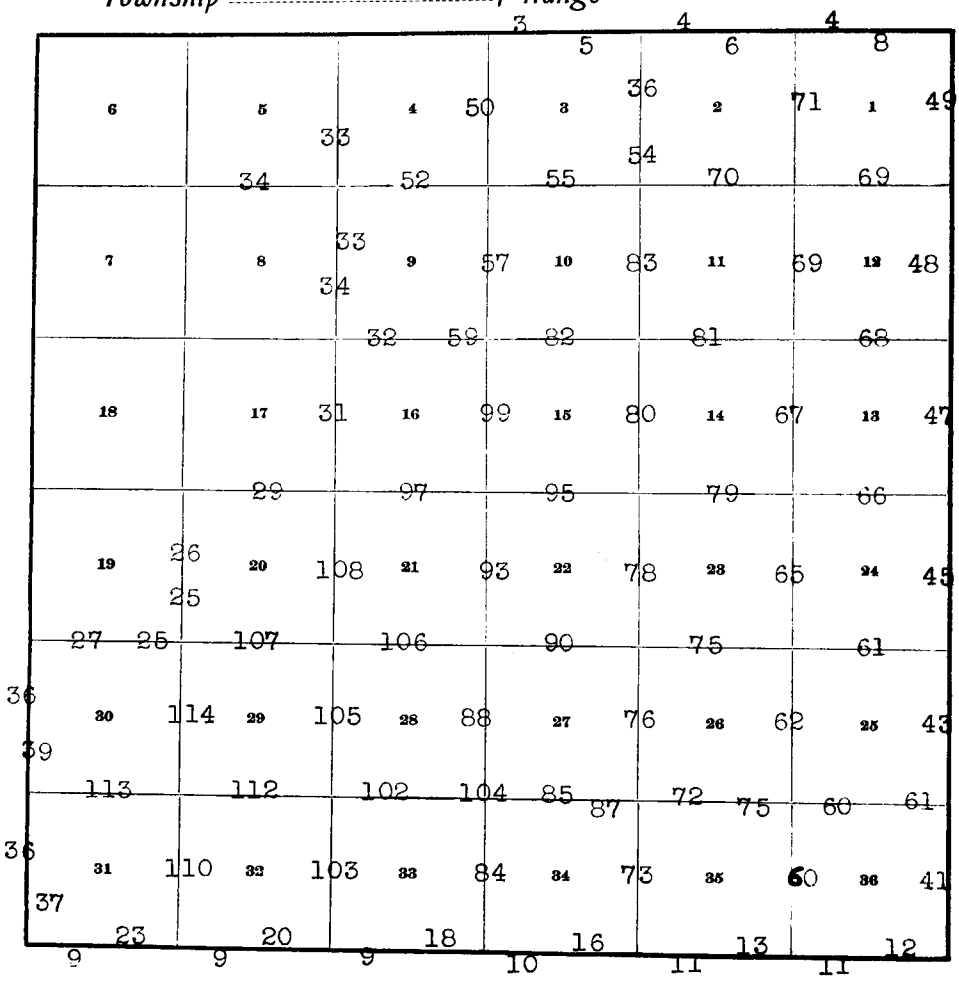
INDEX DIAGRAM.

Township 41 South, *Range* 7 West



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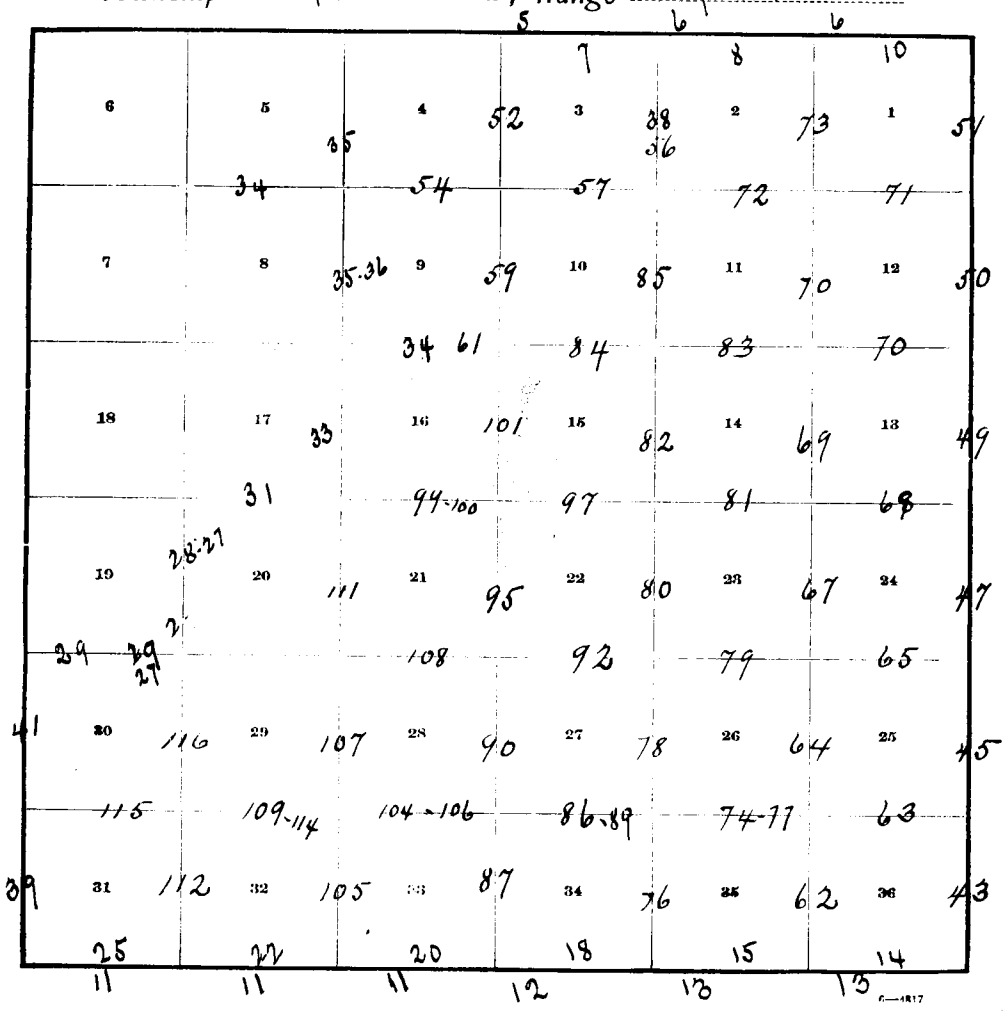
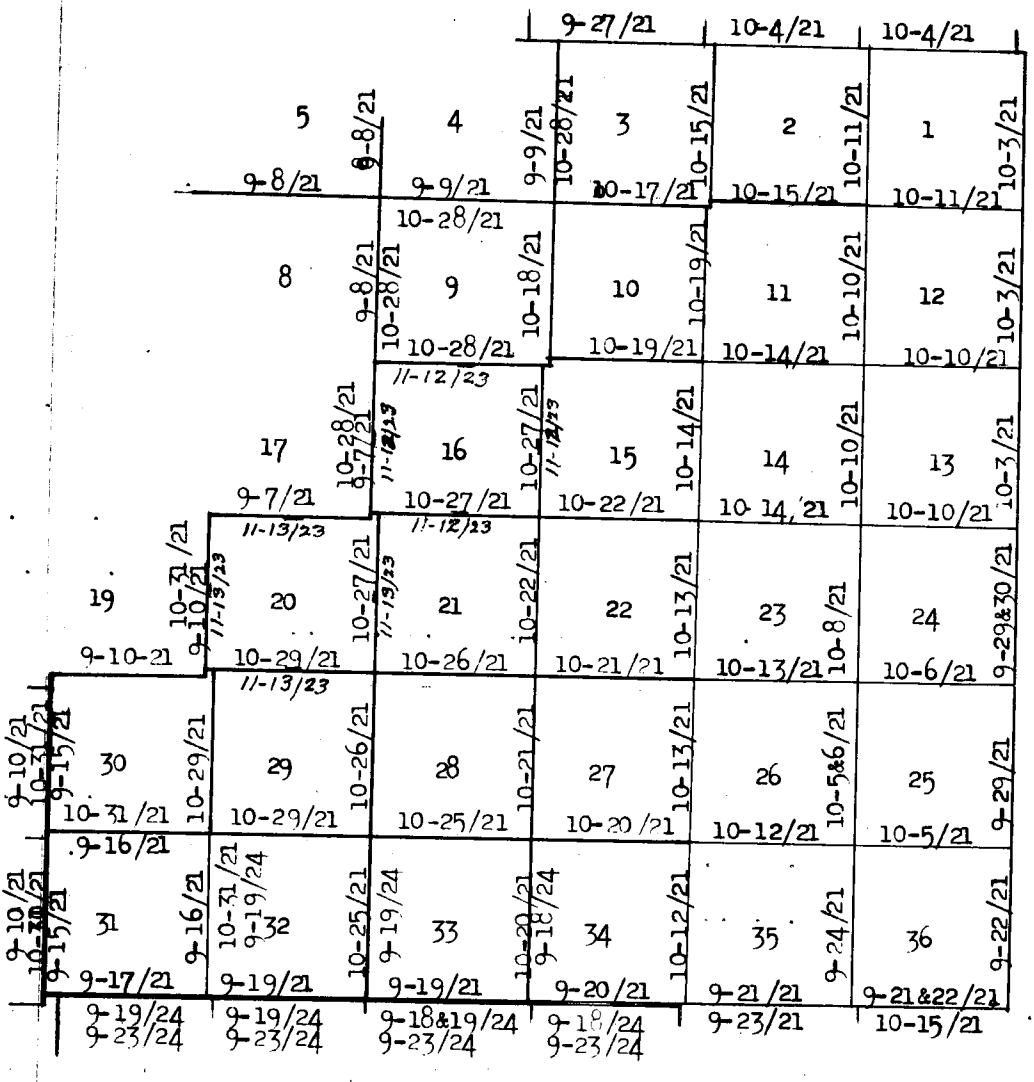
INDEX DIAGRAM.

Township 41 S., *Range* 7 W.



DATE DIAGRAM, T. 41 S., R. 7 W.

Date Diagram of T. 41 S., R. 7 W.



Lines dated and colored with red ink were surveyed by Andrew Nelson, U.S. Cadastral Engineer.

Lines dated and colored with black ink were surveyed by Chas. F. Moore, U.S. Transitman.

Dates colored with green ink were corrections made by Robert C. Yundt, U.S. Transitman.

Test of Instrument.

Survey commenced September 6, 1921, and executed with a Buff solar transit No. 9978, 1915 model, with U- shaped standards, full vertical circle and Smith solar attachment; all azimuth determinations are accomplished with the solar attachment except the special observations upon Polaris for meridian upon which to test the solar apparatus as stated in the field notes.

The instrument was approved for use in this survey, conditional upon satisfactory field tests as stated in assignment instructions dated June 24, 1921 and supplemental assignment instructions dated Aug.27,1924.

For complete description of test of instrument at the commencement of this survey see survey of T.43 S.,R.7 W.

September 11, 1921, at my camp near the sec. cor. bet. secs. 17 and 18, T.41 S.,R.7 W., in latitude 37°15' N. computed from the Utah - Arizona state boundary and later verified by direct observations on the sun as described in the field notes of survey of T.41 S., R. 8 W., and longitude 112° 30' W., at 8h 16.2m p.m., l.m.t., I observe Polaris at eastern 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 firmly in the ground about 9 chs. N.

Sept. 12th; I lay off the azimuth of Polaris 1°24½' to the west and mark the meridian thus determined, by a tack in a peg driven firmly in the ground 9 chs. N.

For complete test of instrument at the completion of work in 1921 on the above meridian, Oct. 30,1921, see survey of T.41 S.,R.8 W. The instrument was kept in good adjustment during the progress of this survey.

For tests of the above instrument used in the resurvey of portion of S. bdy. in 1924, see resurveys of T.42 S., R. 7 W. of this group.

MEASUREMENTS.

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape 8 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.

RESURVEY 8TH. STANDARD PARALLEL SOUTH, RANGE 7 WEST.

I begin at the witness cor. to the standard cor. of secs. 33 and 34 on the 8th. Standard Parallel South, R.7 W., hereinafter described and which is 6.50 chs. E. of true cor. point.

Thence

East, on retracement line counting distances from true cor. point, along S. bdy. sec. 34.

13.44 (Record) No trace of the closing cor. of secs. 3 and 4, T. 41 S., R.7 W. can be found.

40.06 Fall 33 lks. N. of the stand. ¼ sec. cor. hereinafter described.

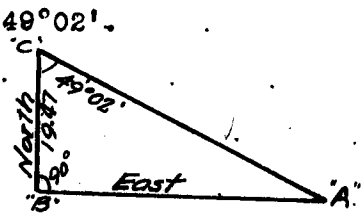
The bearing of this ½ mile is therefore S.89°26'E., and the distance is 33.56 chs. counted from the witness cor. to cor. of secs. 33 and 34.

From standard ¼ sec. cor., continue

East, with continuous measurement.

The line east passes over high break of mountain up which I cannot chain, I therefore triangulate as follows:

Set flag "A" on line east on top of mountain; designate the standard ¼ sec. cor. "B" and measure base line "BC" North, 19.47 chs. to point whence "A" subtends an angle of 49°02'.



Resurvey 8th. Standard Parallel South, Range 7 West.

chains	
	Distance by triangulation = 22.42 chs.
	Previous distance = 40.06 chs.
	62.48 chs.
62.48	To point of triangulation on W. break of mesa.
79.87	Fall 17 lks. N. of the standard cor. of secs. 34 and 35 hereinafter described.
	The bearing of this ½ mile is therefore S.89°45'E., and the distance is 39.81 chs.

	From the standard cor. of secs. 34 and 35.
	East, on retracement line along S. bdy. sec. 36.
13.44	(Record) No trace of the closing cor. of secs. 2 and 3, T.41 S., R.7 W. can be found.
40.03	Fall 26 lks. N. of the standard ¼ sec. cor. hereinafter described. T[illegible] E., 40.03
	From ¼ sec. cor., continue
	East, with continuous measurement.
79.98	Fall 28 lks. N. of the standard cor. of secs. 35 and 36 hereinafter described.
	The bearing of this ½ mile is therefore S.89°36'E., and the distance is 39.95 chs.

	From the standard cor. of secs. 35 and 36.
	East, on retracement line along S. bdy. sec. 36.
13.48	S. 19 lks. from my retracement line is the closing cor. of secs. 1 and 2, T. 41 S., R.7 W.
40.00	No trace of the standard ¼ sec. cor. can be found.
79.62	Fall 31 lks. N. of the standard cor. of T. 40 S., Rs. 6 and 7 W. hereinafter described.
	The bearing of this mile is S.89°47'E., and the proportionate distance for each half mile is 39.81 chs.

	From the standard cor. of T.40 S., Rs. 6 and 7 W., the old closing cor. of T.41 S., Rs. 6 and 7 W., which is cedar post, 4 ins. square, extending 2 ft. above ground, firmly set, and marked and witnessed as described by the surveyor general, bears S.88°27'E.,

Chains	
	13.74 chs. distant. I destroy cor.

	From the witness cor. to the standard cor. of secs. 33 and 34 which is 6.50 chs. east of true cor. point, and which is sandstone, 16 x 12 x 4 ins., above ground, firmly set, marked with 3 notches on E., 3 notches on W. edge and WC on N. face; witnessed by a small mound of stone around cor.
	S.89°26'E., on resurvey line along S. bdy. of sec. 34, counting distances from true cor. point.
	Over level canyon bottom through short undergrowth and scattering timber.
12.80	Irrigation ditch, 8 lks. wide, 1 ft. deep, course SW.
13.45	Proportionate measurement.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 3 and 4, T.41 S., R.7 W., with brass cap marked
	T40SR7W S34 S4 | S3 T41S | R7W CC 1921
	Raise a mound of stone, 2 ft.base, 1½ ft.high, S.of cor.
	No suitable bearing trees available.
15.00	Virgin River, 15 lks. wide, 1 ft. deep, course SW., 40 ft. below witness cor.; gradually ascend over bottom land.
17.30	Wire fence, bears NE. and SW.
18.00	Field road, bears NE. and SW.
23.40	Telephone line, bears N.40°E. and S.40°W.
24.10	Fence, bears NE. and SW.; leave bottom land, enter broken land, bears NE. and SW
25.50	State road, bears NE. and SW., Glendale & Orderville,Utah.
25.90	Fence, bears NE. and SW., [illegible]
27.10	Draw, 40 ft. deep, drains NW.; ascend.
31.50	Low spur, 65 ft. above river, projects NW.; descend.
35.15	Small draw, 15 ft. deep, drains NW.; ascend.

Resurvey 8th. Standard Parallel South, Range 7 West.

chains	
39.70	Spur, projects NW. 2 chs. distant; descend.
40.06	The standard ¼ sec. cor. which is a sandstone, 12 x 10 x 6 ins. lying in a small mound of stone, marked ¼ on one face; no accessories to cor.
	Reset same stone 8 ins. in the ground at exact point of old cor., marked ¼ on N. face; raise a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
	Thence
	S.89°45'E., with continuous measurement.
	(By triangulation) Ascend precipitous face of mesa over series of high sandstone ledges.
62.48	To point of triangulation on top of W. brink of mesa, 800 ft. above standard ¼ sec. cor., bears NE. and SW.; thence over rolling mesa top through dense timber and undergrowth.
79.87	The standard cor. of secs. 34 and 35 which is a limestone, 12 x 10 x 3 ins., above ground, firmly set, marked with 6 notches on N., 4 notches on W. and 2 notches on E. edge; witnessed as described by the surveyor general.
	Land, level canyon bottom, broken foothills, rough mountains and rolling mesa; general drainage E. and W. into Virgin River which drains SW.
	Soil, deep sandy loam in canyon bottom; rocky of sandstone and limestone formation with shallow sandy and clay loam on mountains and mesa.
	Timber, scattering to dense cedar & pinon and yellow pine.
	Undergrowth, sage, service berry brush and manzanita.
	Grazing land on mesa and canyon bottom.

	S.89°38'E., on resurvey line along S. bdy. sec. 35.
	Over rolling mesa through medium growth of timber and undergrowth.
7.60	W. rim of ravine, bears N.10°E. and S.10°W.; descend abrupt E. slope.

Resurvey 6th Standard Parallel South, Range 7 West.

chains

12.00 Ravine, 160 ft. below rim, drains N.20°E.; ascend NW. slope.

13.45 Prop ortionate measurement.

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 2 and 3, T.41 S., R.7 W., with brass cap marked

T40SR7W
S35

S3 | S2
T41S | R7W
CC
1921

from which

A yellow pine, 24 ins.diam., bears S.28°E., 89 lks dist., marked T 41 S R 7 W S 2 C C B T

A yellow pine, 20 ins.diam., bears S.18½°W., 96 lks. dist., marked T 41 S R 7 W S 3 C C B T

Cor. stands on NW. slope 50 ft. above ravine.

18.25 Top of ascent on N. slope of spur, 65 ft. above ravine; projects N. 3 chs. distant; descend E. slope 100 ft.

21.26 Ravine, drains N.30°W.; ascend abruptly W. slope.

27.35 E. rim of ravine and edge of mesa, 270 ft. above ravine, bears N.20°W. and S.20°E.; thence over rolling top.

40.03 The standard ¼ sec. cor., which is a sandstone, 12 x 10 x 2 ins. above ground, firmly set, marked ¼ on N. face; and witnessed as described by the surveyor general.

Thence

S.89° 36'E., with continuous measurement.

68.20 W. edge of gulch, bears NW. and S.30°E.; descend abruptly.

70.60 Bottom of gulch, 110 ft. deep, drains N.30°W. and heads 4 chs. S.; ascend abruptly.

72.60 E. edge of gulch, bears NW. and S.80°E.

79.98 The standard cor. of secs. 35 and 36, which is a sandstone, 8 x 10 x 3 ins. above ground, firmly set, marked with 6 notches on N., 1 notch on E. and 5 notches on W. edge; witnessed as described by the surveyor general.

Land, rolling and broken mesa; general N. exposure and drainage.

Resurvey 8th. Standard Parallel South, Range 7 West.

chains	
	Soil, deep, loose sandy loam on mesa top and rocky [illegible] sandstone formation along gulches and ravines.
	Timber, dense to scattering growth of cedar, pinon and yellow pine.
	Undergrowth, dense sage, service berry, manzanita and oak brush. Fair grazing land.

	S.89°47'E., on resurvey line along S. bdy. sec. 36.
	Over rolling mesa top through dense undergrowth and very scattering timber.
1.50	Road, bears NE. and SW.
13.48	The old closing cor. of secs. 1 and 2, T.41 S., R.7 W., which is a limestone, 14 x 10 x 3 ins., above ground, firmly set, and marked and witnessed as described by the surveyor general, bears S. 13 lks. distant; I destroy cor.
27.25	Swale, drains NW.; gradually ascend W. slope.
39.81	Proportionate measurement.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for standard ¼ sec. cor., with brass cap marked
	SC ¼ S36 ——— 1921
	Dig pits, 18x18x12 ins., E. and W. of post, 3 ft. distant.
63.70	Low, rolling ridge and top of ascent on mesa, bears N. 20°W. and SE., 100 ft. above swale; gradually descend.
79.62	The standard cor. of T.40 S., Rs. 6 and 7 W., which is a limestone, 12 x 10 x 6 ins., lying in a mound of stone, marked with 6 notches on N., E. and W. edges; witnessed as described by the surveyor general.
	I reset stone firmly in the ground.
	Land, rolling mesa top; general NW. and E. exposure and drainage.
	Soil, deep, loose, sandy loam.
	Timber, very scattering cedar, and pinon.
	Undergrowth, dense sage, scattering clusters of oak brush

Chains	
	10 to 20 ft. high. Good grazing land.

	RESURVEY OF THE SOUTH BOUNDARY OF T.41 S.,R.7 W.
	From the cor. of T. 42 S., Rs. 7 and 8 W., hereinafter described.
	East, on retracement line bet. secs. 6 and 31.
42.29	Fall 643 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore N.81°21'E., and the distance is 42.78 chs.
	From the ¼ sec. cor.,
	East.
37.22	Fall 8 lks. S. of the cor. of secs. 5,6,31 and 32 hereinafter described.
	The bearing of this ½ mile is therefore N.89°53'E., and the distance is 37.22 chs.

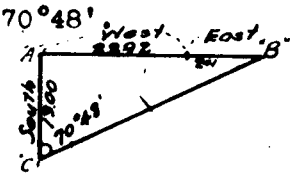
	From the cor. of secs. 5,6,31 and 32.
	East, on retracement line bet. secs. 5 and 32.
41.91	Fall 17.22 chs. N. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore S.67°40'E., and the distance is 45.31 chs.
	From the ¼ sec. cor.,
	East.
36.23	Fall 16.97 chs. S. of the cor. of secs. 4,5,32 and 33 hereinafter described.
	The bearing of this ½ mile is therefore N.64°54'E., and the distance is 40.01 chs.

	From the cor. of secs. 4,5,32 and 33.
	East, on retracement line bet. secs. 4 and 33.
42.76	Fall 17.15 chs. N. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore S.68°09'E., and the distance is 46.07 chs.
	From the ¼ sec. cor.,

Resurvey of the South Boundary of T.41 S., R.8 W.

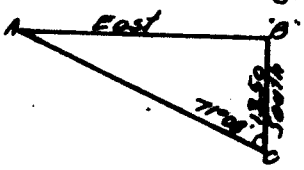
chains	
	East.
31.58	Fall 118 lks. S. of the witness cor. to the cor. of secs. 3,4,33 and 34 hereinafter described.
	The bearing of this ½ mile is therefore N.87°52'E., and the distance is 31.60 chs.

	From the witness cor. to the cor. of secs. 3,4,33 and 34.
	East, on retracement line bet. secs. 3 and 34.
	The line east passes over high sandstone point of mesa up which it is impossible to chain, I therefore triangulate as follows:
	From this point set flag "B" on line on top of mesa; being unable to secure a base line at this point I set a flag "A" west, 29.92 chs. distant, then measure base line "AC", south 13.00 chs. to point whence "B" subtends an angle of 70°48'.



Distance by triangulation	= 37.33 chs.
Subtract	29.92 chs.
	7.41 chs.

7.41	To flag "B" and point of triangulation on top of mesa.
13.15	Brink of mesa down which it is impossible to chain, I triangulate as follows:
	Set flag "B" on line East and erect flag "A" at this point, then measure base line "BC" south, 13.50 chs. to point whence "A" subtends an angle of 71°08'.



Distance by triangulation	= 39.50 chs.
Previous distance	= 13.15 chs.
	52.65 chs.
Distance by return measurment	= 2.73
	49.92 chs.

49.92	Fall 13.08 chs. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore S.73°19'E., and

Chains	
	the distance is 51.61 chs.
	From ¼ sec. cor.,
	East.
33.67	Fall 38 lks. S. of the cor. of secs. 2,3,34 and 35, hereinafter described.
	The bearing of this ½ mile is therefore N.89°21'E., and the distance is 33.67 chs.

	From the cor. of secs. 2,3,34 and 35.
	East, on retracement line bet. secs. 2 and 35.
43.84	Fall 93 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore N.88°47'E., and the distance is 43.85 chs.
	From the ¼ sec. cor.
	East.
38.69	Fall 51 lks. S. of the cor. of secs. 1,2,35 and 36 hereinafter described.
	The bearing of this ½ mile is therefore N.89°15'E., and the distance is 38.69 chs.

	From the cor. of secs. 1,2,35 and 36.
	East, on retracement line bet. secs. 1 and 36.
40.58	Fall 73 lks. S. of the ¼ sec. cor. hereinafter described.
	The bearing of this ½ mile is therefore N.88°58'E., and the distance is 40.59 chs.
	From the ¼ sec. cor.
	East.
39.31	Fall 69 lks. S. of the cor. of Tps. 41 and 42 S., Rs. 6 and 7 W. which is a cedar post, 4 ins. square, extending 24 ins. above ground, firmly set, marked and witnessed as described by the surveyor general.
	The bearing of this ½ mile is therefore N.89°E., and the distance is 39.32 chs.

	From the cor. of Tps. 41 and 42 S., Rs. 6 and 7 W., S.89°00'W., on resurvey line along N. bdy. sec. 1, T.42 S., R.7 W. setting an additonal set of cors. for T.41 S.

chains	
	at westings of 40.00 chs.
	Over broken and rolling land facing S. and SE. through medium growth of timber and short undergrowth. Ascend rough SE. slope.
29.20	Spur, 330 ft. above tp., cor., projects S.; descend W. slope 75 ft. to
35.60	Draw, drains SW.; gradually ascend E. slope 50 ft. to
39.32	The old $\frac{1}{4}$ sec. cor. which is a sandstone 10 x 8 x 6 ins., above ground, firmly set, marked $\frac{1}{4}$ on N. face; witnessed as described by the surveyor general.
	This cor. now refers to sec. 1, T.42 S. only and I reset stone firmly in the ground marked $\frac{1}{4}$ on S. face and destroy bearing tree to the N. of line.
	No other suitable bearing trees available.
	Thence
	S.88°58'W., with continuous measurement.
40.01	Westing of 40.00 chs. from cor. of Tps. 41 and 42 S., Rs. 6 and 7 W.
	Set an iron post, 3 ft. long, 1 in. in.dia., 26 ins. in the ground for $\frac{1}{4}$ sec. cor. S. bdy. sec. 36, T.41 S. with brass cap marked
	$\frac{1}{4}$ S36 / 1921
	from which
	A pinon, 13 ins.diam., bears N.6$\frac{1}{4}$°E., 55 lks. dist., marked $\frac{1}{4}$ S 36 B T
	A cedar, 10 ins.diam., bears N.30$\frac{1}{2}$°W., 67 lks. dist., marked $\frac{1}{4}$ S 36 B T
40.15	Spur, projects S.; enter sandstone bedrock, bears N. and S.; descend abruptly rocky W. slope 265 ft.
44.00	Gulch, drains S.; ascend abruptly E. slope 235 ft.
47.50	W. rim of gulch and leave bedrock, bears N. and S.; thence over gently rolling bench land.
59.00	E. rim of gulch, bears N. and S.; descend abruptly 120 ft.
64.00	Gulch, drains S.; ascend abruptly 90 ft.

Chains	
69.15	W. rim of gulch, bears N. and S.; thence over bench.
78.00	Leave bench, bears N. and S.; descend NW. slope 65 ft.
79.01	The old cor. of secs. 1,2,35 and 36 which now refers to secs. 1 and 2, T.42 S., is a sandstone, 16 x 12 x 3 ins. above ground, firmly set, marked with 1 notch on E. and 5 notches on W. edge; from which
	A pinon, 14 ins.diam.,bears S.80°E., 42 lks. dist.,marked T 42 S R 7 W S 1 B T
	A pinon, 24 ins.diam.,bears S.58½°W., 13 lks. dist.,marked T 42 S R 7 W S 2 B T
	Destroy bearing tree pertaining to sec. 36.
	Land; rolling and broken benches cut by gulches; general S. and SE. exposure and drainage.
	Soil, loose, sandy loam and rocky of sandstone formation.
	Timber, medium growth of scrub cedar and pinon.
	Undergrowth, sage, service berry and oak brush.
	Fair grazing land.

	S.89°15'W., on resurvey line along N. bdy. sec. 2, T.42 S.
	Over broken and mountainous land facing SE., through medium growth of timber and scattering undergrowth.
.11	Westing of 80.00 chs. from the cor. of Tps. 41 and 42 S., Rs. 6 and 7 W.
	Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and in a mound of stone for cor. of secs. 35 and 36, T.41 S., with brass cap marked

T41S | R7W
S35 | S36

S2
T42S
1921

from which

A cedar, 10 ins.diam.,bears N.59¼°E., 38 lks. dist.,marked T 41 S R 7 W S 36 B T

No other suitable trees available.

	Descend 50 ft.
2.90	Draw, drains S.15°W., ascend abruptly SE. slope.

Resurvey of South Boundary of T.41 S., R.7 W.

chains	
6.50	W. rim of draw, 120 ft. above bottom, bears N. and S.; thence over rolling bench.
14.90	E. rim of draw, bears N.10°E. and S.10°W.; descend abruptly SW. slope 175 ft. to
22.60	Draw, drains S,10°E.; ascend abruptly NE. slope 155 ft.
32.50	Ridge, bears NW. and SE.; descend gradually SW. slope.
38.69	The old ¼ sec. cor. for secs. 2 and 35 which now refers to sec. 2 only, is a sandstone, 16 x 12 x 6 ins., above ground, firmly set, marked ¼ on N. face; I reset stone firmly in the ground, marked ¼ on S. face; from which A pinon, 18 ins.diam., bears S.62°W., 12 lks. dist., marked ¼ S 2 B T No other suitable trees available. Destroy bearing tree marked for sec. 35, T.41 S. Thence S.88°47'W., with continuous measurement.
40.11	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 ¼ sec. cor. S. bdy. sec. 35, T.41 S., with brass cap marked ½ S35 1921 from which A pinon, 8 ins.diam., bears N.39¾°E., 28 lks. dist., marked ¼ S 35 B T A cedar, 24 ins.diam., bears N.69½°W., 105 lks. dist., marked ¼ S 35 B T Cor. stands on gradual SW. slope 65 ft. below ridge; continue descent.
52.30	Draw, 50 ft. below ¼ sec. cor. sec. 35, drains SE.; ascend abruptly NE. slope.
56.80	W. rim of draw, 120 ft. above bottom, bears NW. and SE.; gradually ascend 15 ft. to
60.15	Spur, projects S.70°E.; descend abruptly SW. slope 175 ft.

Resurvey of South Boundary of T.41 S.,R.7 W.

chains	
69.35	Canyon, drains S.70°E.; ascend abrupt NE. slope.
74.15	Top of ascent on N. slopes 150 ft. above canyon; thence along steep, broken N. slope.
80.12	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 34 and 35, T.41 S., with brass cap marked

T41S | R7W
S34 | S35

S2
T42S
1921

from which

A cedar, 14 ins.diam.,bears N.48°E., 112 lks. dist.,marked T41S R7W S35 BT

A pinon, 8 ins.diam.,bears N.71½°W., 53 lks. dist.,marked T41S R7W S34 BT

Cor. stands 30 ft. below top of ascent on N. slope.

82.54 The old cor. of secs. 2,3,34 and 35 which now refers to secs. 2 and 3, T.42 S., is a sandstone, 16x10x6 ins., firmly set, marked with 2 notches on E. and 4 notches on W. edge, witnessed by three bearing trees, NE., SE. and NW. I reconstruct this cor. as follows:

Alongside stone cor., set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 2 and 3, T.42 S., with brass cap marked

T41SR7W
S34

S3 | S2
T42S | R7W
1924

from which

(original) Cedar, 12 ins.diam.,bears S.66¼°E., 22 lks. dist.,marked T42S R7W S2 BT

(new) Pinon, 7 ins.diam.,bears S.37¾°W., 74 lks. dist.,marked T42S R7W S3 BT

Destroy all marks on old bearing trees that pertain to secs. 34 and 35, T.41 S.

Land, rough and broken benches; general SE. exposure and drainage.

Independent Resurvey of Portion of S. Bdy.,T.41 S.,R.7 W.

chains

Soil, loose sandy loam and rocky; sandstone formation.
Timber, medium growth of scrub cedar and pinon.
Undergrowth, sage, scattering oak, yellow top and juniper.
Fair grazing land.

Independent Resurvey, superseding the survey executed by J.H. Clark, U.S. Deputy Surveyor, in 1904, of west portion of the south boundary of T.41 S., R.7 W.

From the cor. of secs. 2 and 3, T.42 S., I make an independent resurvey of the remaining 4 miles of S. bdy. T.41 S., by projecting a line due west to intersection with E. bdy. of T.41 S.,R.8 W., setting corners at regular intervals of 40.00 chs. from the cor. of secs. 34 and 35, for T. 41 S.; also establishing ¼ sec. cors. midway bet. corners which are set on this resurvey boundary during the resurvey of secs. 3 to 6 inclusive of T. 42 S., R. 7 W. of this group.

Thence from the cor. of secs. 2 and 3, T. 42 S., R.7 W. West, resurveying along S. bdy. sec. 34.

Over rolling bench land through dense timber and short undergrowth.

6.15 W. rim of canyon, 100 ft. above sec. cor., bears N.70°W. and S.80°E.; gradually ascend E. slope.

9.00 Leave dense, enter scattered timber, bears NW. and SE.

33.67 S. of my line 38 lks. dist. is the original ¼ sec. cor., a sandstone, 16x10x4 ins., firmly set, marked ¼ on N. face, from which a cedar, 24 ins.diam.,bears N.63¾°W., 139 lks. dist., marked ¼ S34 BT. I destroy all evidence of this cor. by defacing the marks on stone and B.T.

37.50 Westing of 40.00 chs. from the cor. of secs. 34 and 35. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. on S. bdy. sec. 34, T.41 S., with brass cap marked

¼ S34

1924

Chains	
	from which
	A pinon, 8 ins.diam.,bears N.2½°E., 59 lks. dist.,marked ¼ S34 BT
	A cedar, 10 ins.diam., bears N.73°W., 166 lks. dist.,marked ¼ S34 BT
	Cor. stands on gentle E. slope of bench, 160 ft. above W. rim of canyon.
38.39	Midpoint bet. cor. secs. 2 and 3, and true point of closing cor. of secs. 3 and 4.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 3, T.42 S., with brass cap marked
	¼ S 3 1924
	from which
	A cedar, 4 ins.diam.,bears S.50°E., 27 lks. dist.,marked ¼ S3 BT
	A cedar, 10 ins.diam.,bears S.42½°W., 153 lks. dist.,marked ¼ S3 BT
	Continue gradual ascent over E. and NE. slopes.
47.50	Base of mesa slope, bears NW. and SE.; thence precipitous ascent over ledge face of mesa facing NE.
54.00	Top of E. edge of mesa top, 450 ft. above ¼ sec. cor., bears NW. and SE.; thence over rolling top of high mesa through heavier timber, gradually ascending.
75.00	Top of W. edge mesa, 50 ft. above E. edge, bears NE. and SW.; thence precipitous descent over W. break of mesa, ledge facing nearly W.
76.78	The true cor. point for closing cor. of secs. 3 and 4, T. 42 S., falls on impassable W. face of mesa. No cor. set here.
77.58	The true cor. point of secs. 33 and 34, T. 41 S., at westing of 80.00 chs. from the cor. of secs. 34 and 35, falls on W. face of mesa slope on nearly prependicular ledge where it is impossible to set cor. For witness cor. to same see S. bdy. sec. 33.

Independent Resurvey of Portion of S. bdy, T.41 S.,R.7 W.

Chains	
	Land, rolling and broken bench on E. portion, abrupt, ledgy slopes and rolling top of high mesa on W. portion of mile.
	Timber, scattered to medium growth of scrub cedar and pinon.
	Undergrowth, sagebrush, with scattered oak and juniper brush. Fair grazing land.

	West, resurveying along S. bdy. sec. 33, from true cor. point.
	Precipitous descent over W. break of mesa over ledge.
1.70.	Base of precipitous mesa break, 400 ft. below top, bears NW. and S.: continue over broken W. slope of bench, through scattering timber and undergrowth.
2.20	The witness cor. to the closing cor. of secs. 3 and 4, T. 42 S., described by me in resurvey of T.42 S., of this group.
4.20	Set an iron post, 3 ft. long, 2 ins. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for witness cor. to the cor. of secs. 33 and 34, T. 41 S., with brass cap marked

T41S | R7W
S33 | S34 WC

S4
T42S
1924

from which

A pinon, 4 ins.diam.,bears N.22°E., 22½ lks. dist.,marked WC T41S R7W S33 BT
A cedar, 10 ins.diam.,bears N.70½°W., 26 lks. dist.,marked WC T41S R7W S33 BT

	Cor. stands on low sandy spur, 30 ft. high, projecting N.70°W.
	Descend broken W. slope over bench land.
6.02	S. of line 13.46 chs. dist. is the site of the original witness cor. to the cor. of secs. 3, 4, 33 and 34, described and destroyed by me in resurvey of T.42 S.

Chains	
35.00	Bottom of rocky gulch, 150 ft. deep, and 400 ft. below last W.C., drains S.70°W.; asc. rocky S. and SE. slopes 90 ft. to ¼ sec. cor. of sec. 4.
37.60	S. of line, 14.64 chs. dist. is the original ¼ sec. cor. of secs. 4 and 33, a sandstone 14x14x3 ins., lying on ground, marked ¼ on one face, unwitnessed.
	I destroy all evidence of this cor.
39.60	Midpoint bet. the cor. of secs. 4,5,32 and 33, and true point for closing cor. of secs. 3 and 4.
	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. drilled in solid sandstone, for ¼ sec. cor. of sec. 4, T.42 S., with brass cap marked ¼ S4 1924 from which A cedar, 10 ins.diam.,bears S.35½°E., 176 lks. dist., marked ¼ S4 BT A pinon, 14 ins.diam.,bears S.58½°W., 309 lks. dist.,marked ¼ S4 BT
40.00	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. drilled in solid sandstone, for ¼ sec. cor. of sec. 33, T.41 S., with brass cap marked ¼ S33 1924 from which Sandstone surfacerock, marked B|O / S|33, bears N.29½°E., 27 lks. dist. Sandstone surfacerock, marked B|O / S|33, bears N.17½°W., 22½ lks. dist.
	Cor. stands on S. slope on barren surfacerock. A red sandstone nipple or pinnacle, 50 ft. high, bears S.62¾°W., about 7 chs. dist.
48.00	Top of ascent on S. slope, 50 ft. above cor., bears S.; gradually desc. broken bench land facing SW. and W.
58.50	Telephone line, Mt. Carmel to Kanab, bears N.30°W. and S.30°E.
71.00	Small gulch, 50 ft. deep, drains SW.
80.00	On nearly level and sandy bench, 130 ft. below top ascent.
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 4,5,32 and 33, with brass cap marked

Independent Resurvey of Portion of S. Bdy., T.41 S.,R.7 W.

Chains

T41S	R7W
S32	S33
S5	S4

T42S
1924

from which

A cedar, 6 ins.diam.,bears N.4½°E., 134 lks. dist.,marked T41S R7W S33 BT
A cedar, 10 ins.diam.,bears S.74½°E., 80 lks. dist.,marked T42S R7W S4 BT
A cedar, 12 ins.diam.,bears S.40°W., 122 lks. dist.,marked T42S R7W S5 BT
A cedar, 14 ins.diam.,bears N.78°W., 96 lks. dist.,marked T41S R7W S32 BT

Land, broken bench and abrupt break of high mesa; general exposure and drainage to W.

Soil, rocky of red and white sandstone formation, with loose sand.

Timber, scattered scrub cedar and pinon.

Undergrowth, sagebrush and scattering oak brush.

Fair grazing land.

West, resurveying along S. bdy. sec. 32.

Over rolling and broken bench land facing NW., through scattering timber and short undergrowth: gently desc.

0.36 N. of line 2.51 chs. dist. is the original cor. of secs. 4,5,32 and 33, which is a cedar post, 4 ins. square, extending 24 ins. above ground, firmly set, marked with 4 notches on E. and 2 notches on W. edge, from which

A cedar, 20 ins.diam.,bears N.51½°E., 92 lks. dist.,marked T41S R7W S33 BT

A cedar, 8 ins.diam.,bears S.50¼°E., 69 lks. dist.,marked T42S R7W S4 BT

A cedar, 24 ins.diam.,bears S.55½°W., 119 lks. dist.,marked T42S R7W S5 BT

A cedar, 24 ins.diam.,bears N.70°W., 142 lks. dist.,marked T41S R7W S32 BT

I destroy all evidence of this cor. by defacing the marks on bearing trees and post.

Chains	
3.50	E. rim of gulch, 15 ft. below sec. cor., bears NW. and SE.; descend abrupt, rocky SW. slope, 100 ft.
9.00	Bottom of gulch, course NW.; ascend 65 ft.
14.00	W. edge of gulch, bears NW. and SE.; thence gently descending over rolling bench facing NW.
36.59	S. of line 14.46 chs. dist. is the original ¼ sec. cor. of sec. 5 and 32, which is a greatly disintegrated sandstone, marks not legible and witnessed by 2 bearing trees as follows: A cedar, 20 ins.diam.,bears N.19°W., 17 lks. marked ¼ S32 BT A cedar, 20 ins.diam.,bears S.61¼°E., 22 lks. marked ¼ S5 BT I deface marks on bearing trees and destroy all evidence of this cor.
39.62	Midpoint bet. the cor. of secs. 4,5,32 and 33 and the closing cor. of secs. 5 and 6. Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 5, T.42 S., with brass cap marked ¼ S5 1924 from which A pinon, 3 ins.diam.,bears S.24½°E., 27 lks. dist.,marked ¼ S5 BT A cedar, 4 ins.diam.,bears S.70½°W., 178 lks. dist.,marked ¼ S5 BT
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 32, T.41 S., with brass cap marked ¼ S32 1924 from which An oak, 4 ins.diam.,bears N.43½°W., 37 lks. dist.,marked ¼ S32 BT

Chains

A cedar, 8 ins.diam.,bears N. 68°E., 201 lks. dist.,marked ¼ S32 BT

Cor. stands on slight NW. exposure.

42.60 State Highway, bears N.80°W. to Long Valley and S.80°E. to Kanab, Utah.

57.60 Road, bears N. to Long Valley and S. to Moccasin Springs and St. George, Utah.

66.10 Swale, 40 ft. deep, drains N.20°W.

69.25 Low spur, projects N.; desc. 110 ft. to draw.

78.50 N. of line 2.76 chs. dist. is the original cor. of secs. 5, 6, 31 and 32, which is a cedar post, 4 ins. square, extending 30 ins. above ground, firmly set, marked with 5 notches on E. and 1 notch on W. edge, from which:

A cedar, 12 ins.diam.,bears N. 48¼°E., 60 lks. dist.,marked T41S R7W S32 BT

A cedar, 12 ins.diam.,bears S.80½°E., 92 lks. dist.,marked T42S R7W S5 BT

A cedar, 12 ins.diam.,bears S.5½°W., 26 lks. dist.,marked T42S R7W S6 BT

A cedar, 12 ins.diam.,bears N.66°W., 165 lks. dist.,marked T41S R7W S31 BT

I destroy all evidence of this cor. by defacing all marks on post and bearing trees.

79.00 Bottom of draw, course N. to NW.; gradually asc.

79.24 The point for closing cor. of secs. 5 and 6, described in resurvey of T.42 S.

80.00 On E. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 31 and 32, T.41 S., with brass cap marked

T41S	R7W
S31	S32

S6
T42SR7W
1924

from which

Chains	
	A cedar, 8 ins.diam.,bears N.61°W., 35 lks. dist.,marked T41S R7W S31 BT
	A cedar, 8 ins.diam.,bears N.12¾°W., 56 lks. dist.,marked T41S R7W S31 BT
	Land, rolling and broken bench with general W. and NW. exposure and drainage.
	Soil, deep, loose sandy and rocky; sandstone formation.
	Timber, scattered to medium growth of scrub cedar and pinon.
	Undergrowth, dense sagebrush with scattered oak and juniper brush.
	Fair grazing land.

	West, resurveying on S. bdy. sec. 31.
	Over broken bench land, through medium dense timber and short undergrowth; asc. E. slope, 55 ft. to
4.20	Spur, projects N.15°W.; descend 85 ft. to
7.35	Draw, course N.; ascend 190 ft. to
22.20	Ridge, bears NW. and SE.; descend W. slope.
35.72	The original ¼ sec. cor. bet. secs. 6 and 31, which is a sandstone, 24x16x2 ins., lying on the ground, marked ¼ on one face, from which a pinon, 18 ins.diam.,bears N.42°W., 23 lks. dist.,marked ¼ S31 BT; a cedar, 20 ins.diam.,bears S.45°W., 16 lks. dist., marked ¼S6BT.
	I destroy all evidence of this cor. by defacing the marks on stone and bearing trees.
	Descend abrupt and rocky W. slope.
39.24	West, 40.00 chs. dist. from the closing cor. of secs. 5 and 6.; on abrupt, rocky W. slope.
	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to bedrock, and in a mound of stone, for ¼ sec. cor. of sec. 6, T.42 S., with brass cap marked

¼ S 6
1924

from which

Independent Resurvey of Portion of S. Bdy., T.41 S., R.7 W.

Chains	
	A cedar, 10 ins.diam.,bears S.65°E., 56 lks. dist.,marked ¼ S6 BT
	No other accessories available.
	Descend 25 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in the ground to bedrock, and in a mound of stone, for ¼ sec. cor. of sec. 31, T.41 S., with brass cap marked ¼ S31 / 1924
	from which
	A pinon, 14 ins.diam.,bears N.25°E., 66 lks. dist.,marked ½ S31 BT
	A cedar, 10 ins.diam.,bears N.27½°W., 71 lks. dist.,marked ½ S31 BT
	Cor. stands on abrupt, rocky W. slope, 365 ft. below ridge.
	Continue abrupt descent of 115 ft. into gulch.
44.20	Large, rocky gulch, course NW.; asc. abrupt E. slope.
51.30	Spur, 145 ft. above gulch, projects N.; desc. along NW. slope, 90 ft. to
54.90	Branch gulch, course N.; asc. broken NE. slope, 150 ft.
57.30	Top of a 50 ft. sandstone ledge facing E. and spur, projects N.; descend 85 ft.
60.00	Draw, course NE. from S.; ascend 150 ft.
71.60	Ridge, bears N. and S.; gradually descend W. and NW. slopes 50 ft. to tp. cor.
77.94	Point for the cor. of T. 41 S., Rs. 7 and 8 W., described by me in resurvey of T.42 S., R. 7 W.
78.01	S. of line 3.75 chs. dist. is the original cor. of Ts. 41 and 42 S., Rs. 7 and 8 W., which is a limestone, 10x9x6 ins., above ground, firmly set, marked with 6 notches on N.,S.,E. and W. edges; witnessed by four bearing trees as described by the surveyor general.
	I destroy all evidence of this cor. and deface marks on bearing trees.

Chains

82.27 Intersect E. Bdy., T.41 S.,R.8 W., North, 3.75 chs. dist. of the cor. of Ts.41 S.,Rs. 7 and 8 W., hereinafter described and established in 1921 under this group. This cor. now refers only to the SE. cor. of T.41 S., R.8 W. I deface the marks on the NE. bearing tree and change the marks on the iron post to read as follows:

R8W
T41S
S36
T42SR8W
S1
1921

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for SW. cor. of T.41 S.,R.7 W., with brass cap marked

T41S
R7W
S31

1924

from which

A cedar, 10 ins.diam.,bears N.6½°E., 43 lks. dist.,marked T41S R7W S31 BT
A pinon, 10 ins.diam.,bears N.43½°E., 63½ lks. dist.,marked T41S R7W S31 BT

Land, rough and broken; N. and NW. exposure and drainage.

Soil, rocky and sandy; sandstone formation.

Timber, cedar and pinon.

Undergrowth, sagebrush, service and oak brush.

Fair grazing land.

Resurvey of Subdivision of T.41 S.,R.7 W.

From the ¼ sec. cor. bet. secs. 19 and 30 hereinafter described.

N.89°57'E., on retracement bet. secs. 19 and 30.

40.00 No trace of the cor. of secs. 19,20,29 and 30 can be found. Set temp. sec. cor. which I designate "A".

From the cor. of secs. 17,18,19 and 20 hereinafter described.

South, on retracement bet. secs. 19 and 20.

40.00 Set temp. ¼ sec. cor. No ¼ sec. cor. ever set at this point, original line having been run on offset 40. chs. W.

80.00 No trace of the cor. of secs. 19,20,29 and 30 can again be found. From this point temp. point "A" for this cor.

Chains

already set, bears W. 65 lks. and N. 142 lks.; the restored point for sec. cor. is therefore S. 142 lks. of point "A". For description of cor. see resurvey of line bet. secs. 19 and 20.

The bearing and distance of line bet. secs. 19 and 20 is therefore S.0°28' W., 80.00 chs.

The bearing and distance of E. ½ mile bet. secs. 19 and 30 is therefore S.88°01'E., 40.02 chs.

From the cor. of secs. 17, 18, 19 and 20, a sandstone, 14x9x7 ins., loosely set in small mound of stone, mkd. with 5 notches on E. and 3 notches on S. edge, unwitnessed.

I reset stone firmly in the ground and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

S. 0°28' W., on resurvey bet. secs. 19 and 20.

Over low broken bench land facing W., through scattered timber and short undergrowth; ascend NW. slope, 60 ft.

2.50 Low spur, projects W. 4 chs. distant; descend 60 ft.

4.50 Small draw, drains W.; ascend 60 ft.

8.30 Spur, projects SW.; fence, bears NE. and S.60°W.; descend.

14.25 Wash, 120 lks. wide, 2 ft. deep, in large ravine, 90 ft. below spur, drains S.70°W.; junction of two ravines from NE. and SE. bears E. of line 5 chs. dist.; ascend.

35.00 S. rim of draw and edge of bench, 135 ft. above wash, bears NE. and W.; thence over bench.

40.00 Proportionate measurement,

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

S19 | ¼ S20
1921

from which

A cedar, 8 ins.diam., bears S.69¼°E., 105 lks. dist., marked ¼ S20 BT

A cedar, 7 ins.diam., bears N.76½°W., 81 lks. dist., marked ¼ S19 BT

58.15 Swale, 20 ft. deep, drains NW.; ascend gradual NE. slope, entering heavy timber, bears NW. and SE.

Top of asc[illegible] 100 ft. above swale, bears NW. and SE.; continue over bench.

Chains	
80.00	Proportionate measurement and point for cor. of secs. 19,20,29 and 30. Owing to irregularities in the old surveys it develops that this cor. refers to sec. 19 only, therefore,
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for SE. cor. of sec. 19, with brass cap mkd.
	T41S R7W S19 S30 1921
	from which
	A cedar, 6 ins.diam.,bears N.54¾°W., 130 lks. dist.,marked T41S R7W S19 BT A cedar, 8 ins.diam.,bears N.63¼°W., 52 lks. dist.,marked T41S R7W S19 BT
	Land, broken and rolling benches; general W. exposure and drainage into Virgin River.
	Soil, sandy and clay loams streaked with rock; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, dense sagebrush, with scattered yellow-top.
	Fair grazing land.

	From the SE. cor. of sec. 19.
	N. 88°01'W., on resurvey bet. secs. 19 and 30.
	Over rolling bench land, through dense timber and medium growth of undergrowth.
12.40	Wire fence, bears N. and S.; begin gradual descent over W. slope, 200 ft. to ravine.
32.15	Ravine, near head, drains NW.; ascend NE. slope.
35.67	Westing of 40.00 chs. from the cor. of secs. 29 and 30.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. on N. bdy. sec. 30, with brass cap marked
	¼ S30 1921
	from which

Chains

A cedar, 6 ins.diam.,bears S.41½°E., 43 lks. dist.,marked ¼ S30 BT

A cedar, 18 ins.diam.,bears S. 2° E., 18 lks. dist., marked ¼ S30 BT

40.02 The original ¼ sec. cor. bet. sec. 19 and 30 which now refers to sec. 19 only, is a sandstone boulder in place, showing 5 x 2 x 1½ ft. above ground, marked ¼ on N. face; from which

A cedar, 6 ins.diam.,bears N.30½°E., 26 lks. dist.,marked ¼ BT

I deface the marks on bearing tree in sec. 30.

Cor. stands at top of ascent, 100 ft. above ravine.

Thence

S. 89°57' W., (record) with continuous measurement.

42.00 Begin descent over W. slope.

58.75 Base of slope, 170 ft. below ¼ sec. cor., leave timber and enter level canyon bottom, bears NE. and SW.

59.15 State Road, bears NE. to Mt. Carmel and SW. to Kanab,Utah.

59.45 Fence and enter field, bears NE. and SW.

66.50 Fence and leave field, bears NE. and SW.

70.00 Virgin River, 20 lks. wide, 1 ft. deep, course SW.

75.00 Enter cultivated field, 25 ft. above river, bears N. & S.

77.86 (Record) No trace of the cor. of secs. 19,24,25 and 30 on W. bdy. of tp., can be found. At this point,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. of secs. 19 and 30, T.41 S.,R.7 W., with brass cap marked

T41S S19
T41S S24 R8W
S30 R7W
1921

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

Corner stands in level field.

Land, rolling and broken mesa and level canyon bottom; general S. drainage.

Soil, sandy and gravelly loam and rocky on slopes; sandstone and quartz formation.

Timber, cedar and pinon.

Undergrowth, sagebrush, yellow top and brigham tea.

Good grazing land.

From the cor. of secs. 17, 18, 19 and 20.

East, on retracement line bet. secs. 17 and 20.

40.00 No trace of the ¼ sec. cor. can be found.

80.00 No trace of the cor. of secs. 16, 17, 20 and 21 can be found. Set temp. point which I designate "A".

From the cor. of secs. 8, 9, 16 and 17.

South, on retracement line bet. secs. 16 and 17.

40.00 No trace of the ¼ sec. cor. can be found.

80.00 No trace of the cor. of secs. 16, 17, 20 and 21 can again be found. From this point, temp. point "A" bears 8 lks. N. and 90 lks. E., I therefore restore the point for cor. of secs. 16, 17, 20 and 21, 8 lks. S. of point "A". For description of cor. see resurvey of line bet. secs. 17 and 20.

The bearing of the line bet. secs. 16 and 17 is therefore S.0°39' E., and the distance is 80.00 chs.

The bearing of the line bet. secs. 17 and 20 is therefore S.89°57'E., and the distance is 80.00 chs.

From the cor. of secs. 17, 18, 19 and 20.

S.89°57'E., on true line (resurvey) bet. secs. 17 and 20.

Over rolling and broken bench lands through medium growth of timber and scattering undergrowth. Ascend W. slope.

Chains	
6.10	Spur, 100 ft. above cor., projects S.40°W.; descend E. slope.
6.65	Wire fence, bears N.30°E. and S.25°W.
13.70	Base of slope and enter bottom of ravine, 100 ft. below spur, bears NE. and S.
15.00	Wash, 150 lks. wide, 3 ft. deep, in ravine, drains S.
29.25	Recross same wash, drains N.40°W.
35.90	Telephone line, Mt. Carmel to Kanab, Utah, bears N.4°W. and S.4°E.
37.75	Recross same wash, drains S. for 4 chs. thence NW.
40.00	Proportionate point.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 17 and 20, with brass cap marked

S17
¼
S20
1921

from which

A pinon, 18 ins. diam., bears S.88°E., 409 lks. dist., marked ¼ S 20 B T

and raise a mound of stone, 2 ft. base, 1½ ft. high. N. of cor. No suitable bearing tree available in sec. 17.

Cor. stands in ravine bottom, 15 ft. above wash.

42.75	Leave ravine bottom, bears N.10°E., and S.20°W.; ascend W. slope.
50.00	Top ascent from ravine and edge of bench, 200 ft. above wash, bears NE. and S.30°W.; thence over bench to
70.35	Leave bench, thence along steep N. slope, bears N.60°W. and S.80°E.
80.00	Proportionate measurement and point for cor. of secs. 16, 17, 20 and 21. This cor. was later found to refer to sec. 17 only, therefore,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins.

Chains	
	in the ground for SE. cor. of sec. 17, with brass cap marked
	T41S R7W S17 | S20 1921
	from which
	A pinon, 7 ins.diam.,bears N. 9° W., 49 lks. dist.,marked T 41 S R 7 W S17 B T
	A pinon, 8 ins.diam.,bears N.36½°W., 94 lks. dist.,marked T 41 S R 7 W S 17 B T
	Cor. stands on steep N. slope, 50 ft. below bench.
	Land, rolling and broken bench; W. exposure and drainage.
	Soil, loose sandy and gravelly loam, cobble rock on slopes; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service and oak brush.
	Fair grazing land.

	From the SE. cor. of sec. 17.
	N. 0°39' W., on resurvey line along E. bdy. sec. 17.
	Over rolling and broken bench land facing W. through dense timber and scattering undergrowth; descend N. slope.
1.03	The cor. of secs. 16 and 20 subsequently set at this point.
7.30	Wash, 1 ch. wide, 2 ft. deep, in ravine, 100 ft. below sec. cor., drains S.30°W.; asc. S. slope.
22.75	Top of ascent and edge of mesa, 210 ft. above wash, bears N.70°E. and S.70°W.; thence over mesa.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 16 and 17, with brass cap marked

Chains	
	$\frac{1}{4}$ S17 | S16 1921
	from which
	A cedar, 8 ins.diam.,bears N.22½°E., 88 lks. dist.,marked $\frac{1}{4}$ S 16 B T
	A cedar, 8 ins.diam.,bears N.55½°W., 61 lks. dist.,marked $\frac{1}{4}$ S 17 B T
	Cor stands in shallow swale, 45 ft. below edge of mesa.
44.30	Low raise, 15 ft. above swale, bears E. and W.; gradually descend N. slope 70 ft. to
51.85	Ravine, drains W.; gradually asc. S. slope, 100 ft. to
57.45	Low spur, projects W.; descend N. slope.
74.20	S. rim of ravine, bears E. and W.: desc. steeper N. slope.
80.00	The cor. of secs. 8, 9, 16 and 17 which is a limestone boulder in place, 4 x 2 x 1 ft. showing above ground, marked with 4 notches on E. and S. sides; from which the old bearing trees
	A cedar, 16 ins.diam.,bears S.39½°E., 48 lks. dist.,marked S 16 T 41 S R7 W B T
	No trace of the NE. bearing tree.
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	Land, rolling and broken bench; general W. exposure and drainage into Virgin River.
	Soil, sandy and clay loam with cobble rock on slopes; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry and oak brush.
	Fair grazing land.

	From the cor. of secs. 8, 9, 16 and 17.
	East, on resurvey line bet. secs. 9 and 16

Chains	
	Descend over broken land facing W. through dense timber and scattering undergrowth.
5.50	Ravine, 40 ft. below cor.; drains N.60°W.; ascend broken SW. slope.
18.80	Outcropping of coal vein, 3 ft. thick, bears S. 4 chs. distant.
25.00	Spur, 175 ft. above ravine, projects N.70°W.; continue ascent.
36.60	W. rim of draw, bears NW. and SE., 45 ft. above spur; descend NE. slope, 25 ft. to
40.00	No trace of the old ¼ sec. cor. can be found. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. of secs. 9 and 16, with brass cap marked

S9
¼
S16
1921

from which

A pinon, 6 ins.diam.,bears N.26½°E., 58 lks. dist.,marked ¼ S 9 B T

A pinon, 8 ins.diam.,bears N.37¾°W., 64 lks. dist.,marked ¼ S 9 B T

A pinon, 3 ins.diam.,bears S.64°W., 34 lks. dist.,marked ¼ B T. only.

For land rating see E. ½ of this mile.

From the cor. of secs. 8, 9, 16 and 17.

North, on retracement line bet. secs. 8 and 9.

40.00	Set temp. ¼ sec. cor. No ¼ sec. cor. ever set at this point as original line was run on offset 40.00 chs. W.
80.00	No trace of the cor. of secs. 4-5-8 and 9 can be found. Set temp. cor. and continue my line north with continuous measurement.
120.03	Fall 114 lks. W. of the ¼ sec. cor. bet. secs. 4 and 5, which is a sandstone, 11x7x8 ins. above ground, firmly set, marked ¼ on W. face; stump of old bearing tree, bears N.15°E., 28 lks. distant; witnessed by a small mound of stone W. of cor.

Resurvey of Subdivision of T.41 S.,R7 W.

Chains	
	I return and adjust the temp. cor. of secs. 4,5,8 and 9 to its proper proportional meridional position.

	From the cor. of secs. 5,6,7 and 8 which is a sandstone, 20 x 12 x 10 ins. set firmly in a mound of stone, marked with 5 notches on E. and S. edges; from which
	A pinon, 9 ins.diam.,bears S.31½°W., 64 lks. dist.,marked S 7 T 41 S R 7 W B T
	A pinon, 10 ins.diam.,bears N.60¾°W., 33 lks. dist.,marked S 6 T 41 S R 7 W B T
	East, on retracement line bet. secs. 5 and 8.
40.00	No trace of the ¼ sec. cor. can be found.
80.00	No trace of the cor. of secs. 4,5,8 and 9 can again be found. From this point the adjusted position for cor. on the meridional line bears 42 lks. S. and 70 lks. E.
	From my 80.00 chs. point, I continue East with continuous measurement.
90.73	No trace of the witness cor. to the ¼ sec. cor. for secs. 4 and 9 can be found.
	I return to the adjusted point for cor. of secs. 4,5,8 and 9 on the meridional line and restore point for sec. cor. 70 lks. E. For description of cor. see resurvey of line bet. secs. 8 and 9.
	The bearing ~~of the line bet. secs. 8 and~~ 9 is therefore N. 1°03'E. and the distance is 80.03 chs.

	From the cor. of secs. 8,9,16 and 17.
	N. 1°03' E., on resurvey line bet. secs. 8 and 9.
	Descend over rolling and broken bench land through scattering timber and short undergrowth.
1.60	Base of descent and S. side of ravine, 40 ft. below cor., bears N.70°W. and S.60°E.
3.40	Wash, 40 lks. wide, 8 ft. deep, in ravine, drains N.80°W.
5.60	Wash, 50 lks. wide, 3 ft. deep, in ravine, drains W. 5 chs. dist. to junction with last wash; ascend.

Chains	
14.20	Edge of bench, 140 ft. above wash, bears W. and N.80°E.; thence over rolling bench land sloping NW.
19.85	Wire fence, bears N.83°W. and S.78°E.
31.45	Small branch ravine, 70 ft. deep, drains W.
40.01½	Proportionate measurement.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼
S8 | S9
1921

from which

A cedar, 6 ins.diam.,bears S.41½°E., 59 lks. dist.,marked ¼ S 9 B T

A cedar, 4 ins.diam.,bears N.50°W., 130 lks. dist.,marked ¼ S 8 B T

50.00	N. edge of bench, bears N.20°E. and S.30°W.; descend along W. slope.
65.80	Telephone line,Orderville to Mt. Carmel, Utah, bears N.40°E. and S.40°W.
67.00	Base of slope and leave timber, 100 ft. below brink of bench, bears N.20°E. and S.20°W.; thence across level bottom lands.
68.00	Old road, bears N.20°E. and S.30°W.
68.20	Fence, bears N.20°E. and S.30°W.
73.90	Virgin River, 20 lks. wide, 1 ft. deep, course S.60°W.; a diversion dam bears 1½ chs. east.
75.60	Irrigation ditch, 10 lks. wide, 1 ft. deep, course W.
76.00	Fence, bears E. and W.; enter cultivated field.
80.03	Proportionate measurement.

Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 4,5,8 and 9, with brass cap marked

T41S | R7W
S5 | S4
S8 | S9
1921

from which

chains	
	A cottonwood, 18 ins.diam.,bears N.29°W., 82 lks. dist.,marked T 41 S R 7 W S 5 B T
	No other trees available.
	Impracticable to build other accessories to cor. on account of cultivated land.
	Land, low, rolling and broken bench; general W. exposure and drainage into Virgin River.
	Soil, loose, sandy and clay loams; cobble rock on slopes; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry and oak brush. Good grazing land.

	From the closing cor. of secs. 2 and 3 on the N. bdy. of the tp., or the 8th Sta. Par. S.
	South, on resurvey line bet. secs. 2 and 3.
	Over broken mesa through scattering yellow pine and dense undergrowth. Ascend abrupt N. slope 130 ft.
6.00	N. rim of mesa, bears N.60°E. and SW.; thence over gently rolling top sloping N.; leave yellow pine and enter medium growth of cedar and pinon timber, bears NE. and SW.
26.00	Leave timber, bears E. and W.
40.00	No trace of the old ¼ sec. cor. can be found. Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 3, with brass cap marked
	¼S3 | 1921
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft.distant.
	Cor. stands on gradual N. slope 100 ft. above rim of mesa.
	For land rating see S.½ of this mile.

	WEST BOUNDARY OF T.41 S.,R.7 W. or Long Valley Guide Mer.
	From the cor. of secs. 19 and 30 on the W. bdy. of T. 41 S.,R.7 W., heretofore described, South on a random line along W. bdy. of tp., setting temp. ¼ sec. and sec. cors. at intervals

Chains	
	of 40.00 chs. and, at 166.98 chs. fall 4.26 chs. west of the original cor. of Tps. 41 and 42 S., Rs. 7 and 8 W., which is a limestone, 10x9x6 ins., above ground, firmly set, marked with 6 notches on N., S., E. and W. edges, witnessed by four bearing trees as described by the surveyor general.
	At point of intersection with N. bdy. T.42 S., R. 8 W.,
	Set an iron post, 3 ft. long, 3 ins. dia., 20 ins. in the ground to solid rock, and in a mound of stone, for cor. of Ts. 41 S., Rs. 7 and 8 W., with brass cap marked
	T41S R8W | R7W S36 | S31 T42S R8W S1 1921
	from which
	A pinon, 6 ins.diam.,bears N.65°E., 58 lks. dist.,marked T41S R7W S31 BT A pinon, 12 ins.diam.,bears N.76°W., 71 lks. dist.,marked T41S R8W S36 BT
	I efface all marks on stone and bearing trees of original tp. cor. that pertain to T. 41 S., Rs. 7 and 8 W.
	Note: The above tp. cor., just established by me, was in 1924, during the independent resurvey of portion, S. bdy. this township, changed by me to refer to SE. cor. of T. 41 S., R. 8 W. only, see pages 24 and 25, these notes. For position and establishment of new cor. of Ts. 42 S., Rs. 7 and 8 W., see notes of independent resurvey of portion of W. bdy. T. 42 S., R. 7 W., executed by me in 1924.
	Thence,
	North, on true line, E. bdy. T. 41 S., R. 8 W.
	Over mountainous land through dense timber and scattered undergrowth. Gradually descend NW. slope.
3.75	Subsequently (1924) at this point the SW. cor. T. 41 S., R. 7 W. was established.
	Thence along W. bdy. sec. 31, T. 41 S., R. 7 W.
22.00	S. rim of canyon, 55 ft. below tp. cor., bears N.65°W. and S.65°E.; descend abrupt N. slope.
37.00	Canyon, 340 ft. below rim, drains N.60°W.; ascend abrupt

West Boundary of T. 41 S., R. 7 W.
or Long Valley Guide Mer.

Chains

SW. slope over ledges.

40.00 True point for ¼ sec. cor. of sec. 36, falls on face of ledge where it is impracticable to set cor., therefore

40.50 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the ¼ sec. cor. E. bdy. sec. 36, T.41 S., R.8 W., with brass cap marked

¼S36 | WC
1921

from which

A pinon, 8 ins.diam., bears S.89°W., 29 lks. dist., marked WC ¼ S36 BT

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

Cor. stands on S. slope, 80 ft. above bottom of canyon.

46.60 Southing of 40.00 chs. from point for cor. secs. 30 and 31, W. bdy. T.41 S., R.7 W.,

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. W. bdy. sec. 31, T.41 S., R.7 W., with brass cap marked

| ¼S31
1921

from which

A pinon, 6 ins.diam., bears N.16°E., 27 lks. dist., marked ¼ S31 BT
A pinon, 12 ins.diam., bears S.28¼°E., 55 lks. dist., marked ¼ S31 BT

48.80 Ridge, 210 ft. above canyon, bears N.65°W. and S.65°E.; descend gradual NE. slope, 130 ft. to

57.20 Draw, drains W.; ascend abrupt S. slope, 160 ft.

64.70 Ridge, bears E. and W.; descend gradual N. slope.

78.90 Draw, 240 ft. below ridge, drains NW; ascend S. slope.

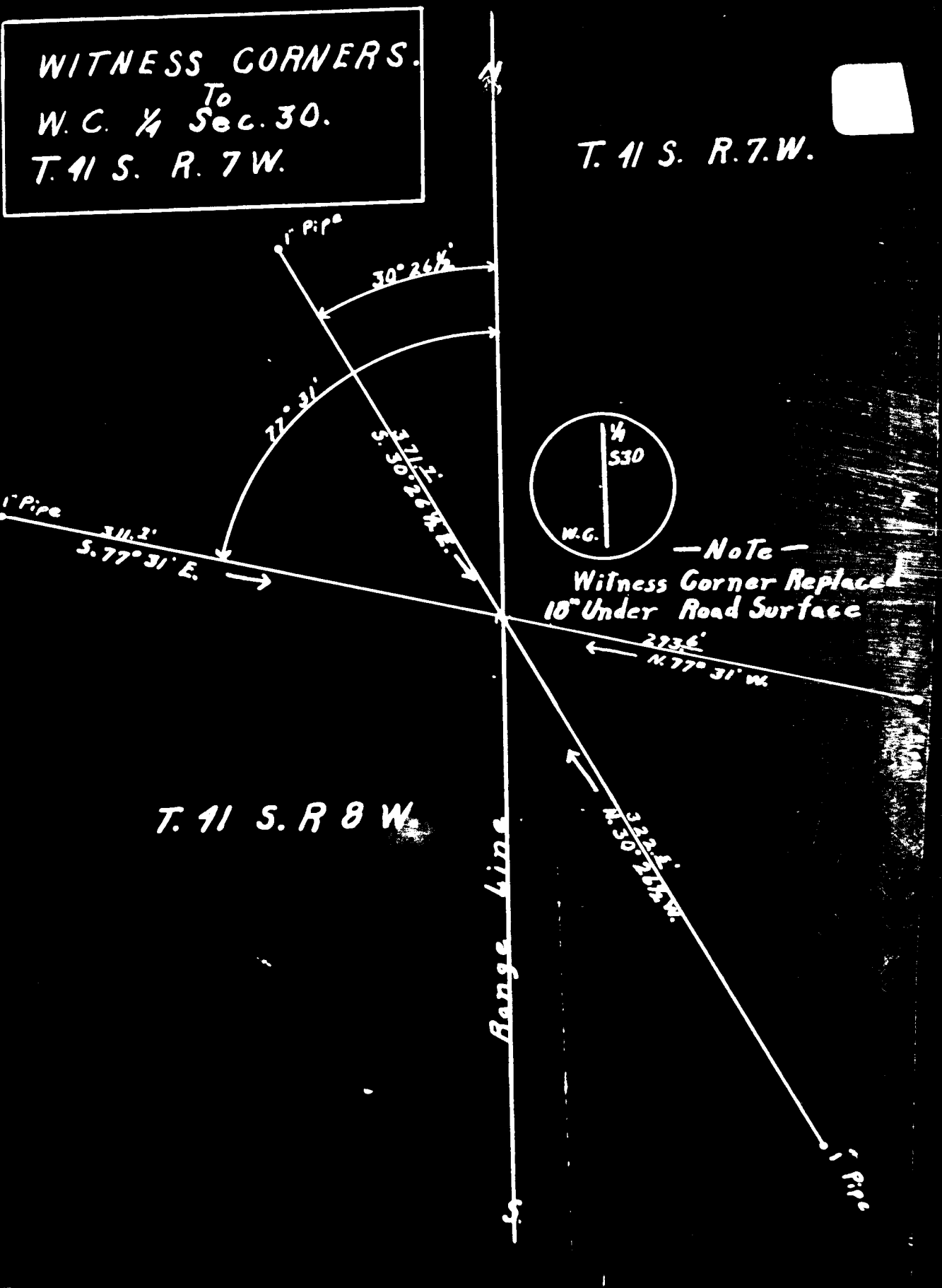
79.40 State Road, MT. Carmel to Kanab, Utah, bears E. to SE., and N.60°W. at top of dugway which extends N.60°W.

80.00 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for cor. secs. 25 and 36, T.41S., R.8 W., with brass cap marked

T41S S25 | T41S S31
S36 R8W | R7W
1921

from which

A cedar, 10 ins. diam., bears S.7¾°W., 60 lks.


WITNESS CORNERS.
To
W.C. 1/4 Sec. 30.
T. 41 S. R. 7 W.
T. 41 S. R. 7. W.
1" Pipe
30° 26 1/2'
77° 31'
371.2'
S. 30° 26 1/2' E.
1" Pipe
311.2'
S. 77° 31' E.
1/4
S30
W.C.
—Note—
Witness Corner Replaced
18" Under Road Surface
273.6'
N. 77° 31' W.
T. 41 S. R 8 W.
Range Line
322.4'
N. 30° 26 1/2' W.
1" Pipe

B

Received Public Survey Office
about May 1, 1931.

Chains	
	dist., marked T41S R8W S36 BT
	A pinon, 12 ins. diam., bears N.15¾°W., 33 lks: dist., marked T41S R8W S25 BT
	Cor. stands on S. slope, 75 ft. above draw.
84.10	Point of spur, 80 ft. above sec. cor., projects W.; descend abruptly NW. slope.
86.60	Point for cor. of secs. 30 and 31 at intersection with line bet. secs. 30 and 31, T.41 S., R.7 W.; for description of cor. see line bet. secs. 30 and 31, this tp.
	Land, mountainous; general W. exposure and drainage.
	Soil, shallow sandy loam and rocky of shale and sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry and oak brush.
	Poor grazing land.

	North, along W. bdy. of sec. 30, T.41 S., R.7 W.
	Over mountainous land through medium timber and scattered undergrowth; descend abruptly N. and NW. slopes.
13.80	Canyon, 275 ft. below sec. cor., drains W.; canyon enters Virgin River bottom 3 chs. W.; asc. abruptly ledgy SW. slope, 150 ft.
19.30	Spur, projects W.; desc. abruptly N. slope 150 ft. to
27.40	Base of descent, leave timber and enter Virgin River canyon bottom, bears E. and W.; thence across bottom.
31.70	State Road, Mt. Carmel to Kanab, bears NE. and SW.
32.40	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for witness cor. to the ¼ sec. cor. E. bdy. sec. 25, T.41 S., R.8 W., with brass cap marked ¼ S25 W|C 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
33.40	True point for ¼ sec. cor. sec. 25, falls in E. edge of Virgin River at bend from NW. to course SW. where cor. cannot be perpetuated. No cor. set here. Continue over sandy bottom and land subject to overflow, bears N.20°E. and SW.

West Boundary of T. 41 S., R. 7 W.
or Long Valley Guide Mer.

chains	
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. W. bdy. sec. 30, T. 41 S., R. 7 W., with brass cap marked ¼ S30 1921 Raise a mound of stone, 2 ft.base, 1½ ft.high, E.of cor.
46.70	Virgin River, 15 lks. wide, 1 ft. deep, course S.20°W.
50.60	Leave sandy bottom and land subject to overflow, bears NE. and S.20°W.
54.20	Leave canyon; begin abrupt ascent S. slope through dense timber, bears NE. and SW.
64.20	Top of ascent on E. point of spur, 130 ft. above riverm projects SE.; descend NE. slope.
73.00	Base of slope and leave timber, 120 ft. below top of ascent, bears NW. and SE.; thence over bottom land of Virgin River.
73.40	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 24 and 25, T.41 S.,R.8 W., with brass cap marked T41S S24 | T41S S30 S25 R8W | R7W 1921 Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. No suitable bearing trees available.
73.75	Road, bears NE. to Mt. Carmel, Utah and W. to Clear Cr. and Zion Canyon.
75.10	Wash, 20 lks. wide, 10 ft. deep, drains E.
75.50	Enter cultivated land, bears E. and W.
80.38	The cor. of secs. 19 and 30.

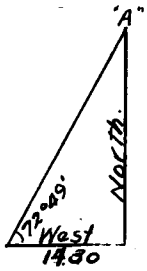
Land, mountainous and nearly level canyon bottom; general SW. drainage.

Soil, rocky and sandy loam on mountainous land, and deep, loose sandy loam in bottom of canyon; sandstone formation.

Timber, cedar and pinon.

Chains	
	Undergrowth, scattering sage, service berry and oak brush. Poor grazing land.

	EAST BOUNDARY OF T.41 S.,R.7 W.
	From the cor. of Tps. 41 and 42 S., Rs. 6 and 7 W. North, bet. secs. 31 and 36.
	Gradually ascend S. slope over broken mesa through scattering timber and medium growth of undergrowth.
21.45	Spur, 140 ft. above tp., cor., projects SE.; descend NE. slope 120 ft. to
29.20	Gulch, drains S.50°E.; ascend abruptly SW. slope 165 ft.
38.00	Base of mesa and high sandstone ledges up which I cannot chain, to determine distance to top of mesa, triangulate as follows:
	Set flag "A" on line on top of mesa, and being unable to secure a suitable base at this point return to the cor. of Tps. 41 and 42 S.,Rs. 6 and 7 W. and measure base line west, 14.50 chs. to point whence "A" subtends an angle of 72°49'; vertical angle from tp. cor. to "A" + 14¼°.



	Distance by triangulation = 46.24 chs.
40.00	True point for ¼ sec. cor. No cor. set here.
46.24	Point of triangulation and point of mesa, 775 ft. above tp. cor. and 585 ft. above base, bears E. and W.
46.62	The point for ¼ sec. cor. falls on wall of mesa where cor. 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 ¼ sec. cor., with brass cap marked

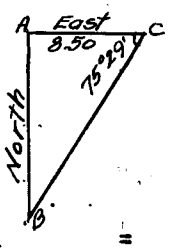
¼

S36 | S31

WC
1921

East Boundary of T.41 S.,R.7 W.

Chains	
	from which
	A pinon, 6 ins.diam.,bears N.27°E., 24 lks. dist.,marked W C ¼ S 31 B T
	A cedar, 8 ins.diam.,bears N.41°W., 16 lks. dist.,marked W C ¼ S 36 B T
	Gradually descend across point of mesa through dense timber.
50.23	N. rim of mesa, 30 ft. below ¼ sec. cor. bears E. and W; the line N. passes over high sandstone ledges and wall of mesa down which I cannot chain, to determine distance to base of same, I triangulate as follows:
	Set flag "A" on line north, being unable to secure a base line at this point I erect flag "B"; from flag "A" measure base line "AC" east 8.50 chs. to point whence flag "B" subtends an angle of 75° 29'; vertical angle "AB"=+21°29'.



Distance by triangulation	=	32.83 chs.
Previous distance	=	50.23 "
Total	=	83.06 "
Distance by return measurement	=	3.06

80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and in a mound of stone for cor. of secs. 25,30,31 and 36, with brass cap marked

T41S
R7W | R6W
S25 | S30
S36 | S31
1921

from which

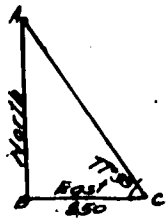
A pinon, 6 ins.diam.,bears N.37¼°E., 90 lks. dist.,marked T 41 S R 6 W S 30 B T

A cedar, 8 ins. diam.,bears S.75¼°E., 38 lks. dist.,marked T 41 S R 6 W S 31 B T

A cedar, 8 ins.diam.,bears S.69½°W., 21 lks. dist.,marked T 41 S R 7 W S 36 B T

Chains	
	A cedar, 6 ins.diam.,bears N.40°W., 41 lks. dist.,marked T 41 S R 7 W S 25 B T
	Cor. stands on steep S. slope 900 ft. below mesa.
	Land, broken and mountainous; E. exposure and drainage.
	Soil, rocky in form of outcrops and ledges, loose, sandy loam; white sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry, oak brush and juniper. Poor grazing land.

	North, bet. secs. 25 and 30.
	Ascend over mountainous land through dense timber and undergrowth.
3.06	Point of triangulation on spur, 65 ft. above sec. cor., projects N.80°E.; the line N. passes over high ledges and points of bench over which it is impossible to chain, I therefore triangulate as follows:
	Set flag "A" on line N., erect flag "B" at this point and measure base line "BC", east, 8.50 chs. to point whence "A" subtends an angle of 77°33': it was impossible to get a longer or more suitable base line: the vertical angle "AB" is 17°11'



Distance by triangulation	=	38.50 chs.
Previous distance	=	3.06 chs.
Total	=	41.56 chs.
Distance by return measurement	=	1.56 chs.

40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S25 | S30

1921

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

No suitable bearing trees available.

East Boundary of T.41 S.,R.7 W.

chains

Cor. stands on point of mesa, 785 ft. above point of triangulation.

The topography N. from the 3.06 chs. point is:

4.55 Draw, 65 ft. below spur, drains E.; ascend 60 ft. to

8.64 Top of spur, 60 ft. above draw, projects E., also point for traverse line; the approximate topography N. is:

23.50 High, narrow point of mesa, 700 ft.high, projects E. 2 chs. distant.

[illegible] Deep, narrow, rocky gorge, 600 ft. deep, drains E.

4[illegible].[illegible] 4 sec. cor. bet. secs. 25 and 30 on top of narrow point of mesa, bears E. and W.; thence over mesa.

4[illegible].56 Point of triangulation on top of mesa; the line N. passes over high ledges and breaks of mesa over which I cannot chain, and, being unable to secure a suitable base for triangulation I return to my 8.64 chs. point and run a traverse line as follows, it being impracticable to run by right angle offsets:

N.[illegible]°3[illegible]'E., 17.47 chs.

N.44°[illegible]'E., 25.70 chs.

N.36°30'W., 24.52 chs.

N.60°[illegible]'E., 14.32 chs., to true line, at

[illegible] Base of ledges and mesa, bears NW. and S.60°E.; thence over broken land, descending over N. slope through dense timber.

[illegible] Gulch, 115 ft. below 68.90 chs. point, drains S.80°E.; ascend abruptly SE. slope 110 ft.

[illegible] Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 19,24,25 and 30, with brass cap marked

T41S

R7W	R6W
S24	S19
S25	S30

1921

from which

A pinon, 5 ins.diam.,bears N.45½°E., 80 lks. dist.,marked B T

A pinon, 12 ins. diam.,bears S.55°E., 100 lks.

chains

dist.,marked T 41 S R 6 W S 30 B T

A pinon, 6 ins.diam.,bears S.23°W., 134 lks.

dist.,marked T 41 S R 7 W S 25 B T

A pinon, 14 ins.diam.,bears N.55°W., 70 lks.

dist.,marked T 41 S R 7 W S 24 B T

Cor. stands on abrupt SE. slope.

Land, rough mountains; general E. exposure and drainage.

Soil, sandstone bedrock and ledges with shallow sandy loam; white sandstone formation.

Timber, cedar and pinon.

Undergrowth, sage, service berry and oak brush. Fair grazing land.

North, bet. secs. 19 and 24.

Over rough mountainous land through scattering timber and undergrowth. The line N. passes over high, sandstone pinacles and point of benches with vertical walls of sandstone over which I cannot chain, and, being unable to triangulate I run a traverse line as follows:

N.54°00'E., 22.03 chs.

N.57°00'W., 5.28 chs.

N.61°30'W., 15.24 chs. to true line, at

23.10 Across bottom of canyon through dense timber.

30.60 Wash, 30 lks. wide, 2 ft. deep, in canyon, 75 ft. below 23.10 chs. point, drains E.; gradually ascend SE.slope.

39.20 Spur, 150 ft. above wash, projects SW.; descend abruptly NW. slope 35 ft.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

S24 | S19
1921

from which

A pinon, 14 ins.diam.,bears S.28¾°E., 93 lks.

dist.,marked ¼ S 19 B T

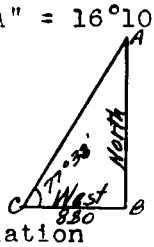
A cedar, 10 ins.diam.,bears S.21¾°W., 86 lks.

dist.,marked ¼ S 24 B T

East Boundary of T.41 S.,R.7 W.

chains

Being unable to chain north from this cor. on account of breaks of mesa rimmed with high, vertical sandstone ledges. Being unable to secure a suitable base line at this point I return to my 22.30 chs. point and set flag "A" on line north on top of mesa; designate this point "B" and measure base line "BC", west, 8.80 chs. (unable to secure longer or more suitable base line) to point whence "A" subtends an angle of 77°33'; vertical angle "BA" = 16°10'.



Distance by triangulation	= 39.86 chs
Previous distance	= 22.30 chs.
Total	62.16 chs.

62.16 To point of triangulation on S. rim of mesa, 730 ft. above ¼ sec. cor., bears NE. and SW.; thence over rolling mesa.

76.40 Head of ravine, 90 ft. deep, drains E.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 13,18,19 and 24, with brass cap marked

T41S
R7W | R6W
S13 | S18
S24 | S19
1921

from which

A pinon, 8 ins.diam.,bears N.41°E., 91 lks. dist.,marked T 41 S R 6 W S 18 B T

A cedar, 24 ins.diam.,bears S.23°E., 16 lks. dist.,marked T 41 S R 6 W S 19 B T

A pinon, 6 ins.diam.,bears S.37°W., 9 lks. dist.,marked T 41 S R 7 W S 24 B T

A pinon, 6 ins.diam.,bears N.44¼°W., 35 lks. dist.,marked T 41 S R 7 W S 13 B T

Land, rough mountains in southern portion and rolling mesa on northern portion; general eastern exposure

chains	
	and drainage.
	Soil, sandstone bedrock and loose sandy loam; white sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry and oak brush. Fair grazing land on mesa.

	North, bet. secs. 13 and 18.
	Over rolling mesa through dense timber and undergrowth.
14.00	Head of ravine, drains SE.
17.00	Thence over slight N. exposure; leave dense timber, bears NE. and SW.
40.00	On slight NE. exposure.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S13 | S18 1921
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	No suitable bearing trees available.
67.15	Ravine, near head, 90 ft. deep, drains NE.; gradually ascend 135 ft.
80.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 7,12,13 and 18, with brass cap marked
	T41S R7W | R6W S12 | S7 --- S13 | S18 1921
	from which
	A cedar, 8 ins.diam.,bears N.66°W., 149 lks. dist.,marked T 41 S R 7 W S 12 B T
	No other trees available.
	Dig pits, 18x18x12 ins., in each sec., 3½ ft.dist. from cor.
	Land, rolling mesa; general NE. and E. exposure and

chains	
	drainage.
	Soil, sandy loam mixed with boulders and cobble rock on S. 17.00 chs.; deep, loose, sandy loam on remainder of mile.
	Timber, cedar and pinon.
	Undergrowth, dense sage about 3 ft. high and clusters of oak, 10 to 20 ft. high. Good grazing land.

	North, bet. secs. 7 and 12.
	Over rolling mesa through dense undergrowth. Ascend 10 ft.
3.60	Top of raise, bears E. and W.; descend 60 ft.
17.45	Swale, drains NE.; ascend 40 ft.
27.75	Spur, projects NE.; descend 40 ft.
35.70	Swale, drains NE.; ascend 15 ft.
40.00	On gentle S. slope.
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S12 | S7 1921
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.
65.40	Raise, 15 ft. above ¼ sec. cor., bears NE. and SW.; descend 90 ft.
80.00	In swale, drains NE.
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,6,7 and 12, with brass cap marked
	T41S R7W | R6W S1 | S6 S12 | S7 1921
	Dig pits, 18x18x12 ins., in each sec. 3½ ft. distant from cor.
	Land, rolling mesa; general NE. exposure and drainage.
	Soil, deep, loose, sandy loam.
	Timber, none.

Undergrowth, sage sage, scattering clusters of oak and service berry brush. Good grazing land.

North, bet. secs. 1 and 6.

Over rolling mesa through dense undergrowth.

1.00 Wash, 10 lks. wide, 4 ft. deep, in swale, drains N.70°E.; gradually ascend 65 ft.

27.30 Raise, bears N.70°E. and S.70°W.; descend 60 ft.

40.00 On gentle N. slope.

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

S1 | S6
1921

Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.

42.70 Swale, 5 ft. below ¼ sec. cor., drains N.80°E.; ascend.

54.90 Raise, 45 ft. above swale, bears N.80°E. and S.80°W.; descend 40 ft.

61.15 Swale, drains E.; ascend 40 ft.

70.00 Enter very scattering timber, bears E. and W.

86.95 Intersect 8th. Standard Parallel South, S.88°27'E., 6.73 chs. from the standard cor. of T.40 S., Rs. 6 and 7 W.

At point of intersection,

Set an iron post, 3 ft. long, 3 ins. in dia., 24 ins. in the ground for closing cor. of T.41 S., Rs. 6 and 7 W., with brass cap marked

T40SR6W
S31

S1 | S6
R7W | R6W
T41S
CC
1921

from which

A cedar, 10 ins.diam.,bears S.16½°E., 135 lks. dist.,marked T 41 S R 6 W S 6 C C B T

A cedar, 8 ins.diam.,bears S.75½°W., 273 lks. dist.,marked T 41 S R 7 W S 1 C C B T

chains	
	Land, rolling mesa; east exposure and drainage.
	Soil, deep, loose, sandy loam.
	Timber, scattering cedar and pinon on N. end of mesa.
	Undergrowth, dense sage, scattering oak and service berry brush. Good grazing land.

	SUBDIVISION OF T.41 S., R.7 W
	From the closing cor. of secs. 3 and 4 on the N. bdy. of the tp., or the 8th Sta. Par. S.
	S.2°54'E., for visible signal set at the witness cor. to the ¼ sec. cor. set. bet. secs. 3 and 4.
10.09	The witness cor. to the ¼ sec. cor. bet. secs. 3 and 4 hereinafter described.
	Thence
	South, with continuous measurement.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. of secs. 3,4,9 and 10.
	From the cor. of secs. 4,5,8 and 9.
	East, on temp. line bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
90.41	Intersect N. and S. line 9.33 chs. S. of the temp. cor. of secs. 3,4,9 and 10 set from the N.; sec. cor. established at this point; see survey of line bet. secs. 3 and 4.
	Thence from the closing cor. of secs. 3 and 4 on the N. bdy. of the tp.
	S.2°54'E., on true line bet. secs. 3 and 4.
	Across canyon bottom through short undergrowth and a few scattering cottonwoods.
1.25	Virgin River, 15 lks. wide, 1 ft. deep, 20 ft. below cor., course SW.; gradually ascend along bottom land.
9.75	State Road, bet. Glendale and Orderville, Utah, bears NE. and SW.
10.09	The old witness cor. to the ¼ sec. cor. bet. secs. 3 and 4 which is a sandstone, 22 x 14 x 7 ins. lying on the ground, marked W C 4 on the face; from which

Subdivision of T.41 S.,R.7 W.

chains	
	A cedar stump, 14 ins.diam.,bears S.30°W., 55 lks. dist., marks not legible.
	I reset stone firmly in the ground with marks facing W.
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Cor. stands at S. edge of valley at base of mountain, bears NE. and SW.
	Thence
	South, with continuous measurement.
	Over rough mountainous land facing W. through scattering timber and undergrowth. Ascend steep N. slope.
14.75	Limestone reef, 10 ft. high, extends S.20°E.; thence along abrupt W. face.
38.55	Top of ascent on abrupt W. face 335 ft. above valley; continue along abrupt W. slope.
43.00	Point for ¼ sec. cor. will fall on ledge, 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 ¼ sec. cor., with brass cap marked
	¼ S4 | S3 WC 1921
	from which
	A cedar, 6 ins.diam.,bears S.62½°E., 32 lks. dist.,marked W C ¼ S 3 B T
	A pinon, 18 ins.diam.,bears N.12¾°W., 53 lks. dist.,marked W C ¼ S 4 B T
44.67	Point for ¼ sec. cor. falls on broken SW. face of ledge. No cor. set.
52.80	Top of ascent on W. slope 530 ft. above valley, projects S.70°W.; descend abruptly S. slope.
72.10	Wash, 20 lks. wide, 2 ft. deep, in gulch, 460 ft. below top of ascent, drains W.; ascend abrupt, broken N.slope.
89.33	Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 3,4,9 and 10, with brass

chains	
	cap marked.

T41S	R7W.
S4	S3
S9	S10

1921

from which

A yellow pine, 24 ins.diam., bears N.67½°E., 16 lks. dist., marked T 41 S R 7 W S 3 B T

A yellow pine, 16 ins.diam., bears S.60¼°E., 189 lks. dist., marked T 41 S R 7 W S 10 B T

A yellow pine, 18 ins.diam., bears S.65¾°W., 35 1 lks. dist., marked T 41 S R 7 W S 9 B T.

A yellow pine, 14 ins.diam., bears N.8¾°W., 158 lks. dist., marked T 41 S R 7 W S 4 B T.

Cor. stands on steep NE. slope 575 ft. above gulch.

Land, rough mountainous and rolling canyon bottom; general W. exposure and SW. drainage.

Soil, rocky and shallow, loose, sand and sandy loam; limestone and sandstone formation.

Timber, cedar, pinon and scattering yellow pine on S. end of mile.

Undergrowth, sage, oak and service berry brush. Poor grazing land.

From the cor. of secs. 3,4,9 and 10.

West, on true line bet. secs. 4 and 9.

Over rough mountainous through scattering timber and undergrowth. Ascend 20 ft. to

.70 Spur, slopes N.; descend abruptly rocky W. slope.

16.15 Ravine, 520 ft. below spur, drains NW.; leave mountains bears NE. and S., thence over broken ground slopes NW. Ascend 110 ft.

20.60 Low spur, projects NW.; descend 90 ft.

34.75 Ravine, drains N.; ascend 50 ft.

38.10 Low spur, projects N.; descend 30 ft.

39.40 Ravine, drains N.20°W.; ascend.

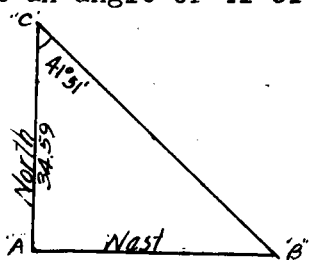
43.40 Low spur, 20 ft. above ravine, projects N.; descend.

43.50 Wire fence, bears N. and S.

chains	
45.20½	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked S 4 ¼ ——— S 9. 1921 from which A pinon, 24 ins.diam.,bears S.63½°E., 5 lks. dist.,marked ¼ S 9 B T A pinon, 18 ins.diam.,bears N.22°W., 53 lks. dist.,marked ¼ S 4 B T Cor. stands on gradual W. slope.
48.15	Ravine, 35 ft. below ¼ sec. cor., drains NW.; ascend.
50.15	Low spur, projects N.; descend.
61.80	Ravine, 150 ft. below spur, drains SW.; ascend.
63.00	Top of ascent on S. slope, 40 ft. above ravine; descend.
69.45	Wash, 10 lks. wide, 12 ft. deep, in swale, drains N.20°W., 40 ft. below top of ascent; ascend.
70.60	Spur, 80 ft. above wash, projects NW.; descend.
78.40	Old road, bears N.10°E. and S.10°W.
79.60	Telephone line bet.Orderville and Mt. Carmel, Utah, bears N.40°E. and S.40°W.
80.60	Fence and leave hills and enter cultivated land, bears N.20°E. and S.20°W.
86.60	Virgin River, 15 lks. wide, 1 ft. deep, course SW.
90.41	The cor. of secs. 4,5,8 and 9.
	Land, rough mountains; broken hills and rolling river bottom; general W. and NW. exposure and SW. drainage.
	Soil, rocky with shallow sandy and clay loam on rough portions and deep sandy loam in river bottom.
	Timber, cedar and pinon with a few scattering yellow pine on E. end of mile.
	Undergrowth, sage, service berry and oak brush.
	Fair grazing land.

	From the ¼ sec. cor. bet. secs.2 and 3 marked for sec. 3 only.

chains	
	South, on temp. line bet. secs. 2 and 3.
48.86	Set temp. cor. of secs. 2,3,10 and 11; from this point, the cor. of secs. 3,4,9 and 10 is visible and brs. West; SE. cor. of sec. 3 later established at this point, see true line of S.½ mile E. bdy. sec. 3.
	From temp. cor. of secs. 2,3,10 and 11.
	West, on temp. line bet. secs. 3 and 10 for distance only.
40.00	Set temp. ¼ sec. cor.
48.26	Impassable ledges prevent further chaining; therefore triangulate as follows:
	Set flag "A" at the cor. of secs. 3,4,9 and 10, erect flag "B" at this point, then, from flag "A" measure base line "AC", north, 34.59 chs. to point whence "B" subtends an angle of 41°51'; vertical angle "BA" = -2½°



Distance by triangulation	= 30.98 chs.
Previous distance	= 48.26 chs.
Total	79.24 chs.

79.24	Intersect the cor. of secs. 3,4,9 and 10.

	From the ¼ sec. cor. E. bdy. sec. 3.
	South, on true line along E. bdy. sec. 3.
	Over rolling mesa land through dense undergrowth. Gradually ascend gentle NE. slope.
7.94	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. sec. 2, with brass cap marked

¼ S2
1921

	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.
25.50	Top of raise on mesa, bears E. and W., 25 ft. above ¼ sec. cor. sec. 3; gradually descend S. slope.
47.50	Brink of mesa, bears N.80°W. and S.80°E.; descend abruptly S. slope; enter timber, bears with rim.

Chains	
[illegible]	Point for cor. of secs. 2 and 11.
[illegible]	Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for SE. cor. of sec. 3, with brass cap mkd.

T41S
R7W
S3

S11

1921

from which

A cedar, 12 ins.diam.,bears N.29°W., 88 lks. dist.,marked T 41 S R 7 W S 3 B T

Cor. stands on abrupt S. slope 30 ft. below brink of mesa.

Land, rolling mesa; general NE. and S. exposure and drainage.

Soil, deep, sandy loam on mesa and rocky on slope; sandstone formation.

Timber, cedar and pinon on S. end of mile and scattering yellow pine and cedar and pinon on N. 16 chs.

Undergrowth, dense sage, oak and service berry brush. Fair grazing land.

West, on true line along S. bdy. sec. 3.

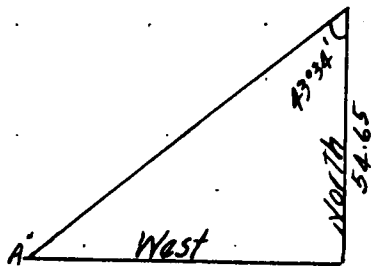
Over rough mountainous land through dense timber and scattering undergrowth. Descend along broken S. slope.

6.92	Point for the cor. of secs. 10 and 11.
24.20	Top of vertical sandstone ledge, 300 ft. high in bottom of drop-off in canyon. 310 ft. below sec. cor., bears N.3 chs. thence NW. and S.3 chs. thence SW.; wash in canyon which drops over ledges bears S. 25 lks. distant, and drains N.70°W.
24.40	Base of ledge and bottom of canyon, drains N.70°W.; thence along steep, rugged N. slope.
35.20	Begin abrupt descent W. slope.
37.20	Bottom of same canyon, 90 ft. below top of abrupt descent, drains S.60°W.; ascend SE. and S. slopes.
39.62	Point for ¼ sec. cor. sec. 3 falls on SE. face of ledge and cannot be set.

chains	
39.90	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¾ sec. cor. S. bdy. sec. 3, with brass cap marked ¾ S3 WC 1921 from which A yellow pine, 10 ins.diam.,bears N.15¾°E., 33 lks. dist.,marked W C ¾ S 3 B T A yellow pine, 8 ins.diam.,bears N.71°E., 105 lks. dist.,marked W C ¾ S 3 B T Cor. stands on abrupt SE. slope, 160 ft. above canyon; continue ascent along S. slope.
45.60	Top of ascent on S. slope, 120 ft. above ¾ sec. cor.; descends S.; descend.
46.92	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¾ sec. cor. N. bdy. sec. 10, with brass cap marked ¾ S10 1921 from which A pinon, 10 ins.diam.,bears S.20¾°W., 91 lks. dist.,marked ¾ S 10 B T A pinon, 8 ins.diam.,bears S.79¾°W., 44 lks. dist.,marked ¾ S 10 B T Cor. stands on W. slope, 25 ft. below top of ascent.
48.26	Point of triangulation on top of ledge rim 300 ft. high bears NW. and SE. The approximate topography W. is: Descend abruptly over ledges on slope of canyon.
55.00	Canyon, 500 ft. below rim, drains NW.; ascend rugged N. slope over ledges.
65.00	Point of spur, 400 ft. above canyon, projects N.; descend abruptly over ledges.
70.00	Gulch, 300 ft. deep, drains N.; ascend abruptly, E. slope

chains	
79.24	The cor. of secs. 3,4,9 and 10.
	Land, rough and rugged mountains; general W. exposure and drainage.
	Soil, rocky in form of ledges and outcroppings with shallow sandy loam on surface; sandstone formation.
	Timber, cedar, pinon and scattering yellow pine.
	Undergrowth, sage, oak and service berry brush. Poor grazing land.

	From the cor. of secs. 3,4,9 and 10
	South, on temp. line bet. secs. 9 and 10.
40.00	Set temp. ¼ sec. cor.
80.12	Set. temp. cor. of secs. 9,10,15 and 16 at point whence the ¼ sec. cor. S. bdy. sec. 9 which is visible bears West. SE. cor. sec.9 set at this point, see page 58.
	From the temp. cor. secs. 9,10,15 and 16.
	West, on temp. line along S. bdy. sec. 9.
	It is impracticable to measure west on account of high breaks on mesa, I therefore triangulate as follows: Set flag "A" at the ¼ sec. cor. S. bdy. sec.9 and from the temp. sec. cor. measure a base line North, 54.65 chs. to point whence "A" subtends an angle of 43° 34'



	Distance by triangulation = 51.98 chs.
51.98	Intersect the ¼ sec. cor. S. bdy. sec. 9.

	From the cor. of secs. 3,4,9 and 10.
	South, on true line along E. bdy. sec. 9.
	Over rough mountainous land through medium growth of timber and undergrowth. Ascend abruptly N. slope over sandstone ledges 265 ft.
13.45	Sharp spur, projects and descends N.10°W.; thence along

chains	
	rough, rugged, ledgy W. slope of mesa.
19.00	Depression on W. slope, 100 ft. below spur; ascend.
25.47	High point on W. slope, 250 ft. above depression.
39.21	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. W. bdy. sec. 10, with brass cap marked ¼ S10 1921 from which A pinon, 6 ins.diam.,bears N.48°E., 28 lks. dist.,marked ¼ S 10 B T A pinon, 8 ins.diam.,bears S.19¾°E., 130 lks. dist.,marked ¼ S 10 B T
40.06	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor. E. bdy. sec. 9, with brass cap marked ¼ S9 1921 Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor. No suitable bearing trees available.
44.75	Top of ascent on W. slope, 425 ft. above depression; top of mesa bears E. 5 chs. distant; descend.
60.00	Depression on W. slope, 200 ft. below top of ascent; ascend 300 ft.
75.00	Brink and top of mesa, bears N.20°E. and S.20°W.; thence over rolling top.
79.21	Point for the cor. of secs. 10 and 15.
80.12	Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for SE. cor. of sec. 9, with brass cap mkd. T41S R7W S9 S15 1921 from which A cedar, 40 ins.diam.,bears N.24°W., 11 lks. dist.,marked T 41 S R 7 W S 9 B T A pinon, 4 ins.diam.,bears N.36°W., 74 lks. dist., marked S 9 B T

Chains	
	Land, rough, rugged mountainous; general W. exposure and drainage.
	Soil, generally rocky in form of ledges, slide rock and outcroppings with shallow, loose sand on surface: white sandstone formation.
	Timber, cedar and pinon, with a few scattering yellow pine.
	Undergrowth, service berry, oak, manzanita and sagebrush.
	Poor grazing land.
	---------- - ----------
	From the SE. cor. of sec. 9.
	West, along S. bdy. sec. 9, by triangulation.
	Over top of mesa through medium dense timber and undergrowth.
.50	W. brink of mesa, bears N.10°E. and S.; descend over W. face and breaks of mesa.
7.63	Intersection of line bet. secs. 15 and 16 and point for cor. of secs. 15 and 16.
51.98	The ¼ sec. cor. bet. secs. 9 and 16, 1160 ft. below sec. cor.
	Land, rough mountainous and broken bench land; general W. exposure and drainage.
	Soil, rocky and shallow sandy and clay loams; sandstone formation.
	Timber, cedar and pinon, with a few scattering yellow pine on E. portion of mile.
	Undergrowth, sage, service berry, oak and manzanita.
	Fair grazing on portions of mile.
	6----------
	From the cor. of secs. 25, 30, 31 and 36 on E. bdy. of tp.
	West, on temp. line bet. secs. 25 and 36.
40.00	Set temp. ¼ sec. cor.

Subdivision of T. 41 S., R. 7 W.

Chains	
80.00	Set temp. cor. of secs. 25, 26, 35 and 36.
	From the temp. cor. of secs. 25, 26, 35 and 36.
	South, on random line bet. secs. 35 and 36,
40.00	Set temp. ¼ sec. cor.
81.14	Intersect S. bdy. of tp., 3 lks. W. of the cor. of secs. 35 and 36.
	Thence from cor. of secs. 35 and 36.
	N. 0°01' W., on true line bet. secs. 35 and 36.
	Over broken mountainous land through dense timber and scattering undergrowth; ascend S. slope 140 ft. to
20.55	Top of ascent on spur, projects SW.; descend 55 ft. to
22.90	Ravine, drains SW.; ascend 140 ft. to
35.60	Spur, projects SW.; descend 35 ft. to
41.14	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S35 | S36

1921

from which

A pinon, 6 ins.diam.,bears N.28°E., 63 lks. dist.,marked ¼ S 36 B T

A pinon, 6 ins.diam.,bears N.17°W., 22 lks. dist.,marked ¼ S 35 B T

Cor. stands on SW. slope.

Ascend along W. slope 140 ft. to

45.40 Top of ascent on W. slope; descend along abrupt ledgy W. slope.

58.10 Ravine, 240 ft. below top of ascent, drains SW.; and base of mesa rim, bears NW. and SE.; ascend abrupt S. face of mesa over high sandstone ledges

Chains	
71.88	Top of ledge and brink of mesa, 570 ft. above ravine, bears SE. and W.; thence over mesa.
81.14	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 25,26,35 and 36, with brass cap marked

T41S S26	R7W S25
S35	S36

1921

from which

A pinon, 6 ins.diam.,bears N.7¾°E., 102 lks. dist.,marked T 41 S R 7 W S 25 B T

A pinon, 10 ins.diam.,bears S.40¾°E., 20 lks. dist.,marked T 41 S R 7 W S 36 B T

A pinon, 8 ins.diam.,bears S.76¾°W., 110 lks. dist.,marked T 41 S R 7 W S 35 B T

A pinon, 6 ins.diam.,bears N.49¾°W., 90 lks. dist.,marked T 41 S R 7 W S 26 B T

Land, rough mountains and rolling mesa; general S. exposure and drainage.

Soil, rocky in form of sandstone outcrops and ledges with shallow, loose sandy loam.

Timber, dense cedar and pinon.

Undergrowth, sage, oak and service berry brush. Poor grazing land.

From the cor. of secs. 25,30,31 and 36 on the E. bdy. of the tp.

West, on Sectional Correction Line, bet. secs. 25 and 36.

Over broken bench land through dense timber and scattering undergrowth. Gradually ascend.

29.00	Base of mesa, 100 ft. above sec. cor., bears NW. and SE.; ascend abruptly NE. slope over series of high sandstone ledges.
40.00	Point for ¼ sec. cor falls on ledge where cor. cannot be set.
47.99	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in

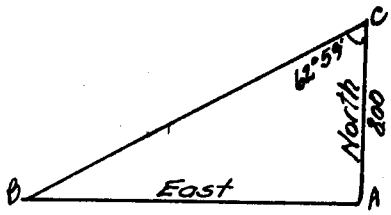
chains	
	the ground for witness cor. to the ¼ sec. cor., with brass cap marked
	¼ S 25 / S 36 WC 1921
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	No suitable bearing trees available.
	Cor. stands on abrupt N. slope on top of a sandstone ledge 100 ft.high, 920 ft. above sec. cor., bears N.70°W. and S.70°E.; continue along rugged N. slope.
55.20	Top of ascent on N. slope, 100 ft. above witness cor. to ¼ sec. cor.; descend along N. slope 170 ft.
65.60	Depression on N. slope, drains N.; ascend 250 ft.
71.60	Top of ledge and brink of mesa, bears N.70°W. and SE.; thence over rolling mesa.
80.00	The cor. of secs. 25,26,35 and 36.
	Land, broken bench, rough mountainous and rolling mesa; general E. exposure and drainage.
	Soil, rocky in form of ledges and outcrops and loose, shallow, sandy loam; sandstone formation.
	Timber, medium growth of cedar and pinon.
	Undergrowth, sage, service berry and oak brush. Fair grazing land.

	N.0°01'W., bet. secs. 25 and 26.
	Over rollimg mesa through dense timber and undergrowth.
7.90	Top of ledge and rim of mesa, bears SE. and N.70°W.; descend.abruptly over high sandstone ledges.
21.00	Canyon, near head, 350 ft. deep, drains S.70°E.; ascend abruptly over ledges.
28.00	Spur, projects E.; descend abruptly.
34.50	Gulch, near head, 200 ft. deep, drains S.55°E.; ascend abruptly.
39.40	Brink of mesa, bears S.60°E. and W.; thence over rolling top.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

Chains	
	$\frac{1}{2}$ S26 | S25 1921
	from which
	A pinon, 10 ins.diam.,bears S.63°E., 93 lks. dist.,marked $\frac{1}{4}$ S 25 B T
	A pinon, 8 ins.diam.,bears N.76°W., 43 lks. dist.,marked $\frac{1}{4}$ S 26 B T
41.00	Leave dense and enter very scattering timber and dense undergrowth, bears E. and W.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 23,24,25 and 26, with brass cap marked
	T41S | R7W S23 | S24 S26 | S25 1921
	from which
	A yellow pine, 20 ins.diam.,bears S.47°W., 306 lks. distant; marked T 41 S R 7 W S 26 B T
	A yellow pine, 20 ins.diam.,bears N.23°W., 139 lks. dist.,marked T 41 S R 7 W S 23 B T
	and raise a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high.W.of cor. Cor. stands on gentle N. slope 25 ft. below $\frac{1}{4}$ sec. cor.
	Land, rough mountainous and rolling mesa; general E. exposure and drainage.
	Soil, deep, loose sandy loam on mesa and rocky with shallow loam on mountainous land; sandstone formation.
	Timber, cedar, pinon and scattering yellow pine.
	Undergrowth, sage, oak, manzanita and service berry brush. Fair grazing land.

	East, on a random line bet. secs. 24 and 25.
23.55	Brink of mesa; precipitous descent over high sandstone ledges down which I cannot chain; triangulate as follows:
	Set flag "A" on line E. and erect flag "B" at this point, then, from flag "A" measure base line "AC", north, 8.00 chs. to point whence flag "B" subtends an angle

chains	
	of 62° 59'.



	Distance by triangulation = 15.69 chs.
	Previous distance = 23.53 chs.
	39.22 chs.
39.22	To E. point of triangulation.
40.00	Set temp. ¾ sec. cor.
80.28	Intersect E. bdy. of the tp. 5 lks. N. of the cor. of secs. 19,24,25 and 30.
	Thence
	N.89°58'W., on true line bet. secs. 24 and 25.
	Over mountainous land through medium growth of timber and undergrowth. Gradually ascend.
24.00	Top of ascent, 110 ft. above sec. cor., bears NW. and S.80°E.; descend 65 ft.
31.60	Canyon, drains S.80°E.; ascend 85 ft.
40.14	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¾ sec. cor., with brass cap marked
	¾ S 24 / S 25 1921
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	No suitable bearing trees available.
41.06	Point of triangulation; begin precipitous ascent of E. break of mesa over high sandstone ledges.
56.75	W. point of triangulation on top of E. brink of mesa, 900 ft. above ¾ sec. cor., bears N.10°W. and S.10°E.; thence over rolling mesa gradually ascending 25 ft. to
80.28	The cor. of secs. 23,24,26 and 26.
	Land, rough mountainous and rolling mesa; general E. exposure and drainage.
	Soil, rocky and shallow sandy loam; white sandstone formation.
	Timber, cedar, pinon and a few yellow pine.

Chains	
	Undergrowth, sage, oak, service berry brush and manzanita. Poor grazing land.

	N.0°01'W., bet. secs. 23 and 24.
	Over rolling mesa through scattering timber and dense undergrowth.
4.40	Top of ledge and rim of mesa, bears SW. and NE. descend abruptly N. slope entering dense timber.
20.30	Canyon, 230 ft. below brink of mesa, drains N.60°E.; ascend abruptly SE. slope.
28.20	S. rim of mesa, 135 ft. above canyon, bears NE. and SW.; thence over rolling mesa.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼
S23 | S24
1921

	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
40.50	Rim of mesa, bears W. and N.80°E.; descend N. slope.
44.10	Draw, 70 ft. below rim, drains N.60°E.; ascend SE. slope.
48.00	S. rim of mesa, bears NE. and SW., 70 ft. above draw; thence across top of mesa.
50.90	N. rim of mesa, bears NW. and SE.; descend abruptly NE. slope.
74.00	Canyon, 400 ft. below mesa, drains SE.; ascend abruptly S. slope 180 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 26 ins. in the ground for cor. of secs. 13,14,23 and 24, with brass cap marked

T41S	R7W
S14	S13
S23	S24

1921

from which

A pinon, 10 ins. diam., bears N.25½°E., 165 lks. dist., marked T 41 S R 7 W S 13 B T

A pinon, 16 ins. diam., bears S.30°E., 93 lks.

chains	
	dist., marked T 41 S R 7 W S 24 B T
	A pinon, 8 ins. diam., bears S.35°W., 121 lks.
	dist., marked T 41 S R 7 W S 23 B T
	A cedar, 12 ins. diam., bears N.56°W., 63 lks.
	dist., marked T 41 S R 7 W S 14 B T
	Land, rough mountainous and rolling mesa top; general E. exposure and drainage.
	Soil, rocky and shallow sandy loam of white sandstone formation; slopes of mesa very rocky.
	Timber, cedar, pinon and a few scattering yellow pine.
	Undergrowth, sage, oak, service berry and manzanita. Fair grazing land.

	S.89°58'E., on a random line bet. secs. 13 and 24.
40.00	Set temp. ¼ sec. cor.
80.22	Intersect E. bdy. of the tp., 14 lks. S. of the cor. of secs. 13,18,19 and 24.
	Thence
	S.89°56'W., on true line bet. secs. 13 and 24.
	Over rolling mesa through medium growth of timber and dense undergrowth. Gradually ascend.
31.00	Top of ascent on mesa, 90 ft. above sec. cor., bears NW. and SE.; thence over gentle SW. slope.
40.11	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 13 / S 24 1921
	from which
	A cedar, 6 ins. diam., bears S.37¾°W., 16 lks.
	dist., marked ¼ S 24 B T
	A cedar, 8 ins. diam., bears N.30°W., 49 lks.
	dist., marked ¼ S 13 B T
50.00	Rim of mesa, bears N.10 chs. thence W. and S.5 chs. thence SE.; descend abruptly W. slope 330 ft.
58.60	Gulch, drains S.; ascend abruptly E. slope 240 ft.
67.75	Top of ascent on S. slope; descend SW. slope 190 ft.

chains	
79.30	Ravine, drains SE.; ascend 25 ft. to
80.22	The cor. of secs. 13,14,23 and 24.
	Land, rolling mesa and rough mountains; general S. and SE. exposure and drainage.
	Soil, deep, loose sandy loam on mesa; rocky with shallow sandy loam on mountains; white sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, oak and service berry brush. Fair grazing land on mesa.

	N.0°01'W., bet. secs. 13 and 14.
	Over mountainous land through dense timber and undergrowth.
2.10	Ravine, 15 ft. below sec. cor., drains SE.; ascend abruptly along W. slope.
13.45	Small spring on line, flows SW.
18.25	S. rim of mesa, 260 ft. above ravine, bears E. and W.; leave timber and enter dense undergrowth, bears E. and W.; thence over mesa gradually ascending.
37.00	Low ridge, 80 ft. above rim, bears NW. and SE.; gradually descend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

S14 | S13
1921

chains	
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft.distant.
55.25	Head of swale, 100 ft. below ridge, drains N.80°E.; gradaully ascend SE. slope 50 ft.
80.00	Set an iron post, 3 ft. long, 2 ins in dia., 24 ins. in the ground for cor. of secs. 11,12,13 and 14, with brass cap marked

T41S | R7W
S11 | S12
S14 | S13
1921

chains	
	Dig pits, 18 x18x 12 ins., in each sec. 3½ ft. distant from cor.

Subdivision of T.41 S.,R.7 W.

chains	
	Land, rough mountainous on S. portion and rolling mesa top on remainder of mile; general E. and SE. exposure and drainage.
	Soil, rocky with shallow sandy loam on mountainous land and deep, loose sandy loam on mesa; white sandstone formation.
	Timber, cedar and pinon on mountainous land.
	Undergrowth, sage, clusters of oak and service berry brush. Good grazing land on mesa.

	N.89°56'E., on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect E. bdy. of the tp. 5 lks. N. of the cor. of secs 7, 12,13 and 18.
	Thence
	S.89°58'W., on true line bet. secs. 12 and 13.
	Over rolling mesa through dense undergrowth. Gradually ascend along S. slope.
14.02	Wire fence, bears N.10°W 30 lks. to NE. cor. and S.10°E.
15.80	Wire fence, bears N.60°E. and S.60°W.
25.60	Depression on S. slope, drains SE.
40.09	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 12 / S 13 1921
	Dig pits, 18x18x12 ins., E. and W. of post, 3ft. distant.
80.18	The cor. of secs. 11,12,13 and 14, 75 ft. above sec. cor.
	Land, rolling mesa; general S. and SE. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, dense black sage, 2 to 3 ft. high and clusters of oak and service berry brush 10 to 15 ft. high. Good grazing land.

	N.0°01'W., bet. secs. 11 and 12.

chains	
	Over rolling mesa through undergrowth. Gradually ascend.
9.50	Low, rolling ridge, 25 ft. above sec. cor., bears NE. and SW.; gradually descend NW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼
S11 | S12
1921

chains	
	Dig pits, 18x18x12 ins., N. and S. of post 3 ft. distant.
	Cor. stands on gentle W. slope 80 ft. below ridge.
63.50	Swale, 35 ft. below ¾ sec. cor., drains N.70°W.; gradually ascend.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 1,2,11 and 12, with brass cap marked

T41S | R7W
S2 | S1

S11 | S12
1921

chains	
	Dig pits, 18x18x12 ins., in each sec., 3½ ft. distant from cor.
	Cor. stands on gradual W. slope, 25 ft. above swale.
	Land, rolling mesa; general NW. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, dense black sage, 2 to 3 ft. high and clusters of dense oak and service berry brush, 10 to 20 ft. high. Good grazing land.

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chains	
	N.89°58'E., on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect E. bdy. of the tp. 5 lks. S. of the cor. of secs. 1,6,7 and 12.
	Thence
	S.89°56'W., on true line bet. secs. 1 and 12.
	Over rolling mesa facing NE., through dense undergrowth.
5.90	Wash, 10 lks. wide, 3 ft. deep, in swale, drains N.80°E.

chains	
	Gradually ascend E. slope.
40.08	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 1 / S 12 1921
	Digpits, 18x18x12 ins., E. and W. of post, 3 ft. distant.
	Cor. stands on general E. slope, 100 ft. above wash; continue gradual ascent 100 ft. to
63.30	Ridge, bears NE. and S.20°W.; gradually descend W. slope 60 ft.
81.16	The cor. of secs. 1,2,11 and 12.
	Land, rolling mesa; E. and W. exposure and drainage from ridge at 63.30 chs.
	Soil, deep, sandy loam; sandstone formation.
	Timber, none.
	Undergrowth, dense sagebrush, 2 to 3 ft. high and dense clusters ofoak and service berry brush, 15 to 20 ft. high. Good grazing land.

	West, on true line bet. secs. 2 and 11.
	Over rolling mesa through dense undergrowth. Gradually descend W. and SW. slopes.
24.75	Road, bears N. and S.; thence over gentle S. slope.
38.50	Enter dense timber, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 2 / S 11 1921
	from which
	A cedar, 4 ins.diam.,bears S. 71½°W., 63 lks. dist.,marked ¼ S 11 B T
	A cedar, 6 ins.diam.,bears N.86½°W., 37 lks. dist.,marked ¼ S 2 B T
50.40	Rim of mesa, bears NW. and S.30°E.; descend W. slope 60 ft.
59.80	Ravine, drains SE. and heads about 6 chs. N.; ascend

chains	
	E. slope 70 ft.
62.15	Rim of mesa, bears NE. and S.; thence gradually ascend 30 ft. over top of mesa.
71.90	Rim of mesa, bears N.60°W. and S.60°E.; descend abruptly SW. slope 25 ft.
72.68	Intersect N. and S. line, .92 chs. N. of the SE. cor. of sec. 3.
	At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 2 and 11, with brass cap marked

T41S | R7W
S2
S3 | S11
1921

from which

A pinon, 6 ins.diam.,bears N.13°E., 51 lks. dist.,marked T 41 S R 7 W S 2 B T

A yellow pine, 30 ins.diam.,bears S.52½°E., 209 lks. dist.,marked T 41 S R 7 W S 11 B T

Land, rolling and broken mesa; general SW. exposure and drainage.

Soil, deep, sandy loam and rocky; sandstone formation.

Timber, cedar and pinon with a few scattering yellow pine on W. 24.18 chs.

Undergrowth, dense sage, scattering clusters of oak and service berry brush. Good grazing land.

From the cor. of secs. 1,2,11 and 12.

N.0°01'W., on true line bet. secs. 1 and 2.

Over rolling mesa through dense undergrowth. Gradually ascend.

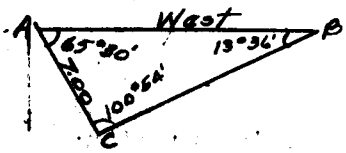
7.40	Low raise, 25 ft. above sec. cor., bears N.70°W. and E.; gradually descend 45 ft.
18.30	Head of swale, drains NW.; ascend 10 ft.
27.00	Low rolling spur, projects N.70°W.; gradually descend N. slope 90 ft.

Subdivision of T.41 S., R.7 W.

chains	
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S2 | S1 1921
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.
48.00	Swale, 25 ft. below ¼ sec. cor., drains NW.; ascend 15 ft.
65.20	Low raise, bears NW. and SE.; gradually descend 60 ft.
87.51	Intersect 8th. Standard Parallel South, S.89°47'E., 6.16 chs. distant from the standard cor. of secs. 35 and 36. At point ofintersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for closing cor. of secs. 1 and 2, with brass cap marked
	T40SR7W S36 S2 | S1 T41S | R7W CC 1921
	Dig pits, 18x18x12 ins., on each line, E., W. and S. of cor., 3 ft. distant.
	Land, rolling mesa; general SW. and NW. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, dense sage, clusters of dense oak and service berry brush. Good grazing land.
	- ----------
	From the cor. of secs. 25,26,35 and 36.
	West, on temp. line bet. secs. 26 and 35.
29.82	Breaks of mesa prevent further chaining; to determine distance across breaks I triangulate as follows:
	Set flag "A" on line on W. edge of breaks and erect flag "B" at this point, then, from flag "A" deflect an angle of 65°30' to the right of flag "B" and measure a base line "AC" 7.00 chs. dist. (longer base cannot be obtained) to point whence "AB" subtends an angle of

chains

100°54'. From "B" the base line "AC" subtends an angle of 13° 36'



S.

Distance by triangulation = 29.23 chs.

Previous distance = 29.82 chs.

59.05 To point of triangulation on W. break of mesa.

Temp. ¼ sec. cor. left at the 29.82 ch. point.

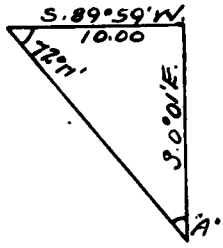
80.00 Set temp. cor. of secs. 26,27,34 and 35.

From temp. cor. of secs. 26,27,34 and 35.

S.0°01'E., on temp. line bet. secs. 34 and 35.

The line south crosses a deep canyon in breaks of mesa, across which I cannot chain, I therefore triangulate as follows:

Set flag "A" on line on south side of canyon and from this temp. cor. measure a base line S.89°59'W., 10.00 chs. to point whence "A" subtends an angle of 72°11'. Vertical angle from sec. cor. to point "A" = -2½°.



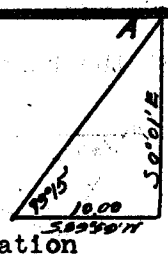
Distance by triangulation = 31.12 chs.

40.00 Set temp. ¼ sec. cor.

49.35 S. break of mesa and precipitous descent over high ledges down which I cannot chain; to determine distance I triangulate as follows:

The cor. of secs. 34 and 35 on the S. bdy. of the tp. is plainly visible and bears S.0°01'E., I erect a flag "A" at this point and then from the cor. of secs. 34 and 35 measure a base line S.89°59'W., 10.00 chs. to point whence "A" subtends an gle of 73°15'. Vertical angle from "A" to sec. cor. = - 18° 56'.

Subdivision of T.41 S., R.7 W.

chains	
	
	Distance by triangulation = 33.23 chs.
	Previous distance = 49.35 chs.
82.58	Intersect the cor. of secs. 34 and 35 on the S. bdy. of the tp.
	Thence from cor. of secs. 34 and 35.
	N.0°01'W., on true line bet. secs. 34 and 35.
	Over mountainous land facing S., through medium growth of timber and scattering undergrowth.
	The approximate topography:
1.75	Canyon, 75 ft. below sec. cor., drains E.; gradually ascend broken S. slope.
20.00	Base of mesa and high, broken sandstone ledges, bears NW. and E.
33.23	Point of triangulation on top of S. brink of mesa, 750 ft. above sec. cor., bears NW. and SE.; thence over mesa ascending.
42.58	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S34 | S35 1921
	from which
	A pinon, 14 ins.diam.,bears S.69°E., 7 lks. dist.,marked ¼ S 35 B T
	A cedar, 8 ins.diam.,bears N.76°W., 46 lks. dist.,marked ¼ S 34 B T
	Cor. stands on mesa, 65 ft. above rim.
51.46	Point of triangulation on brink of mesa, bears NW. and SE.; thence by triangulation with approximate topography.
	Descend precipitous N. slope over high sandstone ledges.
62.00	Canyon, 500 ft. deep, drains S.70°E.; ascend precipitous S. slope over high sandstone ledges.

Chains	
81.50	Top of S. brink of mesa, bears S.70°E. and S.70°W.; gradually ascend over mesa.
82.58	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 26,27,34 and 35, with brass cap marked

T41S	R7W
S27	S26
S34	S35

1921

from which

A pinon, 8 ins.diam.,bears N.26¼°E., 105 lks. dist.,marked T 41 S R 7 W S 26 B T

A pinon, 8 ins.diam.,bears S.76½°E., 92 lks. dist.,marked T 41 S R 7 W S 35 B T

A pinon, 6 ins.diam.,bears S.61¼°W., 53 lks. dist.,marked T 41 S R 7 W S 34 B T

A pinon, 10 ins.diam.,bears N.85½°W., 48 lks. dist.,marked T 41 S R 7 W S 27 B T

Land, rough, broken mountains and rolling mesa tops; general S. and SE. exposure and drainage.

Soil rocky in form of ledges and outcrops, shallow sandy loam, white sandstone formation.

Timber, cedar and pinon.

Undergrowth, sage, service berry and oak brush. Poor grazing land.

From the cor. of secs. 25,26,35 and 36.

West, on Sectional Correction Line, bet. secs. 26 and 35.

Over rollimg mesa through dense timber and medium growth of undergrowth.

4.50	Begin gradual descent over W. slope.
29.82	Point of triangulation on brink of mesa, bears N. 3 chs. then N.70°W. and S.; descend precipitous slope of mesa 110 ft. to
31.65	It is impossible to reach the true point for the ¼ sec. cor. which falls on ledgy slope of mesa, therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in

chains	
	the ground for witness cor. to the ¼ sec. cor., with a brass cap marked
	WC¼ S 26 / S 35 1921
	Raise a mound of stone, 2 ft.base, 1½ ft. high, N.of cor.
	No suitable bearing trees available.
	Thence by triangulation across deep canyon which heads in breaks of mesa N. of line.
	The approximate topography W. of the witness ¼ sec. cor.
40.00	True point for ¼ sec. cor. falls on ledges on slope of mesa. No cor. set.
46.00	Canyon, 500 ft. deep, drains S.; ascend abruptly over ledges.
59.05	Point of triangulation on brink of mesa , bears NW. and S.30°E.; thence ascend over top of mesa 130 ft. to
80.00	The cor. of secs. 26,27,34 and 35.
	Land, rolling mesa tops and rough breaks; general S. exposure and drainage.
	Soil, loose, sandy loam 1 to 2 ft. deep, lying on bedrock on mesa and rocky in form of ledges and outcrops on breaks; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, service berry, oak and sagebrush. Poor grazing land.

	N.0°01'W., bet. secs. 26 and 27.
	Over rolling mesa through scattering timber and dense undergrowth.
.35	Top of raise on E. slope, 10 ft. above sec. cor., bears E. and W.; gradually descend NE. slope 90 ft.
18.65	Swale, drains SE.; gradually ascend rolling S. slope.
35.00	Leave timber, bears N.70°E. and S.70°W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S27 | S26 / 1921

chains	
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.
	Cor. stands on gradual S. slope 80 ft. above swale; continue ascent.
52.30	Ridge, bears N.70°W. and S.70°E., 125 ft. above ¼ sec. cor.; gradually descend NE. slope 80 ft.
74.70	Swale, near head, drains NE.; gradually ascend E. slope 15 ft.
79.30	Low ridge, bears NE. and SW.; descend.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 22,23,26 and 27, with brass cap marked

T41S | R7W
S22 | S23
S27 | S26
1921

Dig pits, 18x18x12 ins., in each sec., 3½ ft. distant from cor.

Land, rolling mesa; general SE. and NE. exposure and drainage.

Soil, deep, loose, sandy loam; sandstone formation.

Timber, cedar and pinon on S. 35 chs.

Undergrowth, dense black sage, scattering oak and service-berry brush. Good grazing land.

East, on a random line bet. secs. 23 and 26.

40.00	Set temp. ¼ sec. cor.
79.86	Intersect N. and S. line 14 lks. S. of the cor. of secs. 23,24,25 and 26.

Thence

S.89°54'W., on true line bet. secs. 23 and 26.

Over rolling mesa through dense undergrowth.

2.50	Small draw, 25 ft. deep, drains N.
39.93	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S 23
S 26
1921

Dig pits, 18x18x12 ins., E. and W. from cor., 3 ft. dist.

chains	
	Cor. stands on general NE. slope 30 ft. above sec. cor.
68.75	Swale, drains NE.; gradually ascend.
79.00	Low ridge, 50 ft. above swale, bears N.50°E. and SW.; descend.
79.86	The cor. of secs. 22,23,26 and 27.
	Land, rolling mesa; general NE. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, dense black sagebrush, 2 to 3 ft. high and clusters of oak brush 15 to 20 ft. high. Good grazing land.

	N.0°01'W., bet. secs. 22 and 23.
	Over rolling mesa through dense undergrowth. Gradually descend.
17.80	Brink of mesa, bears E. for 6 chs. then NE. and W.; enter dense timber, bears with brink; descend abrupt, ledgy N. and NW. slopes.
37.00	Canyon, 600 ft. below rim, drains N.80°W.; ascend abruptly over series of broken sandstone ledges on SW. slope.
40.00	Point for ¼ sec. cor. falls on abrupt SW. slopes on ledges where cor. cannot be set. No cor. set.
44.41	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked

¼

S22 | S23

WC

1921

from which

A cedar, 10 ins.diam., bears N.81°E., 42 lks. dist., marked W C ¼ S 23 B T

A cedar, 8 ins.diam., bears S.50°W., 45 lks. dist., marked W C ¼ S 22 B T

	Cor. stands on abrupt SW. slope 125 ft. above canyon; continue abrupt ascent.
68.10	S. brink of mesa and leave timber, 475 ft. above witness cor. to ¼ sec. cor., bears SE. and W.; gradually ascend

chains	
	S. slope over rolling mesa 60 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 14,15,22 and 23, with brass cap marked

T41S	R7W
S15	S14
S22	S23

1921

Dig pits, 18x18x12 ins. in each sec., 3½ ft. dist., from cor.

Land, rolling mesa top and rough breaks; general W. exposure and drainage.

Soil, deep, loose, sandy loam on mesa and rocky in form of ledges and outcrops on breaks; sandstone formation.

Timber, cedar and pinon on breaks.

Undergrowth, dense sage, scattering oak and service brush. Good grazing land on mesa.

N.89°54'E., on a random line bet. secs. 14 and 23.

40.00	Set temp. ¼ sec. cor.
79.88	Intersect N. and S. line 9 lks. N. of the cor. of secs. 13,14,23 and 24.

Thence

S.89°58'W., on true line bet. secs. 14 and 23.

Over mountainous land through dense timber and scattering undergrowth. Ascend abruptly rocky E. slope 280 ft.

14.70	Brink of mesa and leave timber, bears N.30°E. and S.; thence gradually ascend E. slope of mesa through heavier undergrowth.
19.10	Trail, bears N. and S.
39.94	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S 14 / S 23

1921

Dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. distant.

Cor. stands on gradual E. slope, 40 ft. above brink of mesa; continue gradual ascent.

Subdivision of T.41 S.,R.7 W.

chains	
42.25	Stake and rider fence, bears N.60°E. and S.60°W.;
45.60	Swale, drains NE.
72.70	Low, rolling ridge, 110 ft. above swale, bears NW. and SE.; gradually descend S. slope 15 ft.
79.88	The cor. of secs. 14,15,22 and 23.
	Land, rough breaks of mesa on E. 14.70 chs; rolling mesa on remainder of mile; general E. exposure and drainage with exception of small strip on W. part of mile which slopes S. and drains SW.
	Soil, rocky on breaks and deep, loose, sandy loam on mesa; sandstone formation.
	Timber, cedar and pinon on E. 14.70 chs.
	Undergrowth, dense sage, scattering clumps of oak and service berry brush, 15 to 20 ft. high. Good grazing land on mesa.

	N.0°01'W., bet. secs. 14 and 15.
	Gradually ascend S. slope over rolling mesa through dense undergrowth.
9.50	Low, rolling ridge, 25 ft. above sec. cor., bears NW. and SE.; descend 50 ft.
15.20	Swale, drains N.60°E.; ascend 50 ft.
20.00	Ridge, bears NE. and SW.; gradually descend rolling N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S15 | S14 1921
	Dig pits, 18x18x12 ins., N. and S. of post, 3 ft. distant.
	Cor. stands in bottom of swale, 90 ft. below ridge, drains NE.; Gradually ascend SE. slope.
48.00	Low spur, 20 ft. above swale, projects NE.; gradually descend N. slope 25 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 10,11,14 and 15, with

Chains	
	brass cap marked
	T41S | R7W S10 | S11 S15 | S14 1921
	Dig pits, 18x18x12 ins., in each sec., 3½ ft. distant from cor.
	Land, rolling mesa; general NE. exposure and drainage except a small portion on S. end of mile which drains SW.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, sage, service berry and oak brush. Good grazing land.

	N.89°58' E., on a random line bet. secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect N. and S. line 5 lks. N. of the cor. of secs. 11,12,13 and 14.
	Thence
	West, on true line bet. secs. 11 and 14.
	Over rolling mesa through dense undergrowth. Ascend SE. slope 25 ft.
5.50	Rolling ridge, bears NE. and SW.; descend W. slope 90 ft.
11.85	Old road, bears N.20°W. and S.20°E.
15.75	Swale, near head, drains N.20°W.; gradually ascend.
16.63	From this point the SE. cor. of Alonzo R. Brinkerhoff's frame house, 20 x 24 ft., bears N. 3.93 chs. distant.
20.00	Thence over rolling land sloping N.
39.93	Set and iron post, 3ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 11 S 14 1921
	Dig pits, 18x18x12 ins., E. and W. of cor., 3 ft. distant,
	Cor. stands on top of low raise, bears N. and S.
54.00	Swale, 45 ft. below ¾ sec. cor., drains N.; ascend.
59.35	Low raise, 20 ft. above swale, bears N.30°E. and S.30°W.;

chains	
	Gradually descend 15 ft. to
63.45	Swale, drains N.30°E.; gradually ascend E. slope 15 ft.
79.86	The cor. of secs. 10,11,14 and 15.
	Land, rolling mesa; general N. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	No timber.
	Undergrowth, sage, scattering clusters of oak and service berry brush. Good grazing land.

	West, on true line bet. secs. 10 and 15.
	Over rolling mesa through dense undergrowth. Gradually ascend.
14.40	Raise, 50 ft. above sec. cor., bears N. and S.
19.40	Wire fence, bears N.36½°E. and S.36½°W.
37.00	Enter scattering timber, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S 10 / S 15 1921

from which

A cedar, 14 ins. diam., bears S. 10° E., 116 lks. dist.,marked ¼ S 15 B T

No other suitable trees available.

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

58.00	Enter dense timber, bears NW. and SE.
72.40	Intersect N. and S. line , .91 chs. N. of the SE. cor. of sec. 9.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 10 and 15, with brass cap marked

T41S | R7W
S10
S9 | S15
1921

from which

A cedar, 10 ins.diam.,bears N.29¾°E., 53 lks.

chains	
	dist.,marked T 41 S R 7 W S 10 B T
	A cedar, 10 ins.diam.,bears S.58°E., 156 lks. dist.,marked T 41 S R 7 W S 15 B T
	Cor. stands on near level land near W. brink of mesa.
	Land, rolling mesa; general NE. and N. exposure and drainage.
	Soil, deep, loose, sandy loam streaked with rock in western portion of mile; sandstone formation.
	Timber, cedar, pinon and scattering yellow pine.
	Undergrowth, dense sage, scattering clusters of oak and service berry brush. Good grazing land.

	From the cor. of secs. 10,11,14 and 15.
	N.0°01'W., bet. secs. 10 and 11.
	Over rolling mesa through dense undergrowth. Ascend.
8.50	Low raise, 20 ft. above sec. cor., bears E. and W.; gradually descend rolling N. slope.
25.10	Wire fence, bears N.36½°E. and S.36½°W.
34.00	Enter medium growth of timber, bears E. and W.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S10 | S11

1921

from which

A yellow pine, 14 ins.diam.,bears S.80¾°E., 59 lks. dist.,marked ¼ S 11 B T

A yellow pine, 30 ins.diam.,bears S.51¼°W., 23 lks. dist.,marked ¼ S 10 B T

	Cor. stands on gentle N. slope 60 ft. below raise.
60.60	N. brink of mesa, 20 ft. below sec. cor., bears NW. and SE.; descend abruptly N. slope.
72.65	Canyon, 200 ft. below brink of mesa, drains N.70°W.; ascend abruptly S. and SW. slopes.
79.10	Intersect E. and W. line, west, 6.92 chs. distant from the SE. cor. of sec. 3.
	At point of intersection,

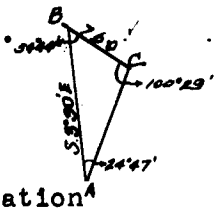
Subdivision of T.41 S.,R.7 W.

chains	
	Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and in a mound of stone for cor. of secs. 10 and 11, with brass cap marked
	S3 S10 | S11 T41S | R7W 1921
	from which
	A pinon, 8 ins.diam.,bears S.26½°E., 91 lks. dist.,marked T 41 S R 7 W S 11 B T
	A pinon, 14 ins.diam.,bears S.74½°W., 67 lks. dist.,marked T 41 S R 7 W S 10 B T
	Cor. stands on S. slope in slight depression, 70 ft. above canyon.
	Land, rolling mesa and rough mountainous; general NW. exposure and drainage.
	Soil, sandy loam on mesa and rocky on mountainous land; sandstone formation.
	Timber, cedar, pinon and scattering yellow pine.
	Undergrowth, dense sage, scattering oak and service berry brush. Fair grazing land.

	From the cor. of secs. 26,27,34 and 35.
	West, on temp. line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. of secs. 27,28,33 and 34.
	From the temp. cor. of secs. 27,28, 33 and 34.
	S.0°02'E., on temp. line bet. secs. 33 and 34.
12.64	The line south follows along W. break of mesa and over high ledges along which I cannot chain. Being unable to obtain a suitable base to triangulate I run a traverse line as follows:
	S.10°45'E., 45.49 chs.; at 27.85 chs. or southing of 40.00 chs. from temp. cor. secs. 27,28,33 and 34, set temp. ¼ sec. cor. Unable to reach true line.
	S.3° 30'E., 17.83 chs. by triangulation as follows:
	Set a flag "A" on traverse line S.3°30'E., erect flag "B"

chains

at this point, then deflect an angle of 54°44' to the left of flag "A" from flag "B" and measure a base line "BC" 7.60 chs. From "C" the line "AB" subtends an angle of 100°29'; from "A" base line "BC" subtends an angle of 24°47'.



Distance by triangulation = 17.83 chs.

Thence

S. 3°30' E., from "A", 7.78 chs. to intersection with south boundary of tp., at point E., 10.00 chs. dist. from true cor. point for cor. of secs. 33 and 34, and 14.20 chs. east of the witness cor. to the cor. of secs. 33 and 34, which is set W. 4.20 chs. dist. from true cor. point which falls on W. break of mesa.

The bearing of the line bet. temp. cor. of secs. 27, 28, 33 and 34 and true cor. point of secs. 33 and 34 on S. bdy. of tp. is therefore N.0°02'W., and the distance is 82.89 chs.

Thence

N. 0°02' W. on true line bet. secs. 33 and 34.

As the true point for cor. of secs. 33 and 34 falls on precipitous W. break of mesa and cannot be reached and the line north from same follows along W. break of mesa which cannot be chained, I therefore run traverse line along top of neck of mesa; commencing at point on S. bdy. of tp., east 10.00 chs. dist. from true point of cor. secs. 33 and 34, through medium growth of timber and undergrowth as follows:

N. 3°30' W., 7.78 chs. to point of triangulation across break in mesa., thence by triangulation,

N. 3°30' W., 17.83 chs.

N. 10°45' W., 17.64 chs. to a northing of 42.89 chs. and easting of 5.15 chs. from the cor. of secs. 33 and 34 (true point) on S. bdy. of tp., the point for ¼ sec. cor. is 5.17 chs. W., I therefore run,

West, 2.47 chs. to a point 2.70 chs. E. of true point for

Chains

$\frac{1}{4}$ sec. cor.; being unable to reach true cor. point on account of ledges, at this point:

42.89 E. 2.70 chs. of true cor. point; set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for witness co to the $\frac{1}{4}$ sec. cor., with brass cap marked

$\frac{1}{4}$

WC S33 | S34

1921

from which

A pinon, 10 ins.diam.,bears S.16$\frac{1}{4}$°W., 26 lks. dist.,marked W C $\frac{1}{4}$ S 34 B T

A pinon, 8 ins.diam.,bears N.27°W., 84 lks. dist.,marked W G $\frac{1}{4}$ S 34 B T

Cor. stands on W. slope at top of perpendicular sandstone ledge, 200 ft. high, bears N. and S., and 100 ft. below top of mesa to E.

I return to my point on traverse line, 2.47 chs. E. of witness cor. to the $\frac{1}{4}$ sec. cor. and continue on traverse line.

N. 10°45' W., 27.85 chs. to true line at

79.25 Ridge or narrow neck of mesa ascends NW. to flat top of mesa and descends S.20°E.; thence along steep E. slope. Descend 65 ft. to

80.89 Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 27,28,33 and 34, with brass cap marked

T41S	R7W
S28	S27
S33	S34

1921

from which

A pinon, 6 ins.diam.,bears N.74$\frac{1}{2}$°E., 45 lks. dist.,marked T 41 S R 7 W S 27 B T

A pinon, 8 ins.diam.,bears S.37$\frac{1}{2}$°E., 29 lks. dist.,marked T 41 S R 7 W S34 B T

A pinon, 6 ins.diam.,bears S.13°W., 27 lks. dist.,marked T 41 S R 7 W S 33 B T

A pinon, 8 ins.diam.,bears N.25$\frac{1}{2}$°W., 103 lks.

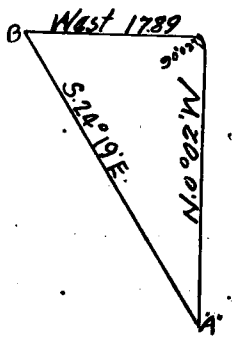
chains	
	dist.,marked T 41 S R 7 W S 28 B T
	Land, rough, broken mountains or break of mesa; general W. exposure and drainage on southern portion and SE. exposure and drainage on northern portion of mile.
	Soil, rocky in form of ledges and outcrops; some loose, shallow sandy loam; sandstone formation.
	Timber, medium growth cedar and pinon.
	Undergrowth, sage, service berry and oak brush. Poor grazing land.

	From the cor. of secs. 26,27,34 and 35.
	West, on Sectional Correction Line, bet. secs. 27 and 34.
	Over broken mesa land through dense timber and undergrowth. Ascend E. slope 40 ft. to
5.60	Top of ascent on mesa, bears NE. and SW.; thence over rolling top.
22.40	W. edge of mesa, bears NW. and SE.; descend gradual SW. slope.
30.20	Cross head of ravine, 160 ft. below rim, drains SE.; gradually ascend SE. and E. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	S 27 / S 34 / 1921
	from which
	A cedar, 8 ins.diam.,bears S.81½°E., 134 lks. dist.,marked ¼ S 34 B T
	A yellow pine, 10 ins.diam.,bears N.83½°E., 116 lks. dist.,marked ¼ S 27 B T
	Cor. stands on gradual E. slope 80 ft. above ravine; continue ascent.
41.80	E. rim of mesa, bears NE. and SE. 20 ft. above ¼ sec. cor.; leave timber and enter dense undergrowth, bears NE. and SE.; thence over rolling mesa.
60.20	W. rim of mesa, bears NW. and SE.; descend abruptly W. and SW. slopes entering dense timber.

Subdivision of T.41 S.,R.7 W.

chains	
73.15	Base of descent and head of box canyon, 375 ft. below rim, drains SE.; N. 3 chs. distant is a narrow neck, bet. mesas, 1 ch. wide and 3 chs. long, bears E. and W. Ascend abruptly E. slope over ledges.
80.00	The cor. of secs. 27,28,33 and 34, 300 ft. above canyon.
	Land, rolling and broken mesas and rough breaks; general SE. exposure and drainage.
	Soil, sandy loam on mesas and rocky on breaks; sandstone formation.
	Timber, cedar, pinon and a few scattering yellow pine.
	Undergrowth, sage, oak and service berry brush. Fair grazing land on mesas.

	N.0°02'W., bet. secs. 27 and 28.
	Over rough mountainous land through medium growth of timber and undergrowth.
.36	Top of ascent on E. slope of low pass bet. mesas, bears and descends abruptly N.60°E. and ascends abruptly W. Further measurement of this line north is impossible on account of high ledges on W. breaks of mesa, I therefore triangulate as follows:
	Set a flag on line north about 1 mile distant and erect flag which I designate "A" at this point. From the north flag I find that I am unable to measure south on true line or secure a suitable base line to triangulate the entire mile, I offset as follows:
	West, 17.89 chs., then
	S.0°02'E., 40.00 chs. to point which I designate "B". From "B", "A" bears S.24°19'E.



Distance by triangulation .= 39.04 chs.

chains	
	Previous distance = .36 chs., therefore the distance from the cor. of secs. 27,28,33 and 34 to a point 17.89 chs. E. of point "B" is 40.00 chs.
	Thence from point "B"
	East, 17.89 chs. to true line at
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S28 | S27

1921

from which

A cedar, 10 ins.diam.,bears S.53°E., 30 lks. dist.,marked ¼ S 27 B T

A pinon, 8 ins.diam.,bears S.7°W., 28 lks. dist.,marked ¼ S 28 B T

Cor. stands on S. edge of wash in deep, narrow gulch from the E., 1000 ft. below sec. cor., drains W. 10.00 chs. distant to junction with main gulch from the SE.

The approximate topography from the .36 chs. point is:

Descend precipitous break of mesa over high ledges.

8.00 Deep gulch, drains N.30°W.; thence along rugged W. slope over high nearly vertical sandstone ledges.

40.00 The ¼ sec. cor.

The line to the north continues along breaks of mesa and high ledges and cannot be chained, I therefore offset,

West, 17.89 chs. to original point "B", then

North, 80.00 chs. counted from sec. cor.:
At 56.80 chs. cross gulch, drains NW.
At 67.20 chs. cross gulch, drains SW.

East, 17.89 chs. to true line at

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 21,22,27 and 28, with brass cap marked

T41S | R7W
S21 | S22

S28 | S27

1921

Subdivision of T.41 S. R.7 W.

chains

from which

A pinon, 14 ins.diam., bears N.14°E., 226 lks. dist., marked T 41 S R 7 W S 28 B T

A pinon, 18 ins.diam., bears S.54°W., 79 lks. dist., marked T 41 S R 7 W S 28 B T

No other trees available.

It is impracticable to build other accessories to cor.

Cor. stands on small rocky bench at base of high sandsto slope of mesa to the east and 740 ft. below cor. of secs. 27,28,33 and 34.

Land, rough and rugged mountains general SE. and W. exposure and drainage.

Soil, rocky of sandstone formation with patches of loose shallow sand.

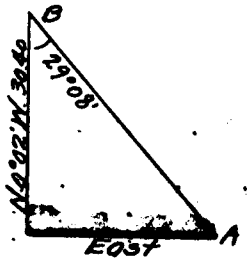
Timber, pinon and cedar.

Undergrowth, sage and scattering clusters of oak and service berry brush. Poor grazing land.

East, on a random line bet. secs. 22 and 27.

The line E. passes over high ledges and break of mesa over which I cannot chain; to determine distance to point on mesa I triangulate as follows:

Set flag "A" on line east, then from sec. cor. measure base line N.0°02'W., 30.40 chs. to point "B". "A" subtends an angle of 29°08' from "B". Vertical angle "BA" = + 19°12'.



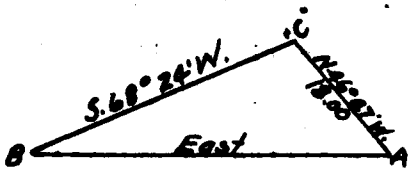
Distance by triangulation 16.95 chs.

16.95 The line E. of this point continues along N. break of mesa along which it is impossible to chain, I therefore triangulate as follows:

Set flag "A" on line E. and erect flag "B" at this point then from flag "A" measure base line "AC", N.44°47'W. 18.00 chs. The line "CB" bears S.55°24'W; all bearings

chains

taken by direct reading of the solar and angles are checked by deflection.

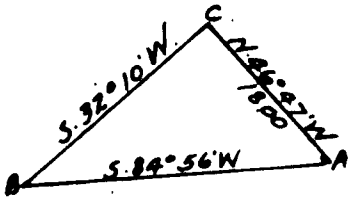


Distance by triangulation = 44.25 chs.

Total distance on random line = 61.20 chs.

61.20 To E. point of triangulation. I find that I am unable reach point for temp. ¼ sec. cor. either by triangulation or chaining and that the nearest point to cor. can be reached only by triangulation, I therefore proceed to establish a temp. ¼ sec. cor. as follows:

From this point which I designate "A" set flag "B" S.84°56'W., on slope of mesa, then measure base line "AC", N.46°47'W., 18.00 chs. distant. The line "CB" bears S.32°10'W.; all bearings taken by direct reading of the solar and angles checked by deflection.



Distance of line "AB" = 22.19 chs. or westing of 22.10 chs. and southing of 1.96 chs. from point "A". It is utterly impossible to reach true temp. point for ¼ sec. cor., therefore at this point which is .90 chs. W. and 1.96 chs. S. of true point, set temp. ¼ sec. cor.

From the 61.20 chs. point, continue

East.

80.06 Intersect the cor. of secs. 22,23,26 and 27.

Thence

West, on true line bet. secs. 22 and 27.

Over rolling mesa through dense undergrowth. Gradually ascend 15 ft.

11.00 Raise, bears N. and S.; gradually descend 15 ft.

chains	
18.86	W. brink of mesa and point of triangulation, bears NW. and SW.; the line west follows along the N. break of high mesa rimed with series of high, nearly vertical sandstone ledges from 100 to 300 ft. high. Thence by triangulation to establish ¼ sec. cor.
	S.84°56'W., 22.19 chs. to a point .93 chs. W. and 1.96 chs. S. of true cor. point, also point of triangulation. This point stands alongside a large boulder where cor. could not be set, and, as it is impossible to reach true cor. point, I measure West, 23 lks. to a point 1.16 chs. W. and 1.96 chs. S. of true cor. point, where I,
	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked
	WC S 22 1 S 27 1921
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
	No suitable bearing trees are available.
	Cor. stands on abrupt N. slope 315 ft. below 18.86 ch. point and at top of vertical sandstone ledge 300 ft. high, bears nearly E. and W.
	Thence by triangulation from 18.86 ch. point on true line.
63.11	Point of triangulation on point of mesa, 180 ft. below 18.86 ch. point. Continue by triangulation over break of mesa; W. face, descend over ledges.
80.06	The cor. of secs. 21,22,27 and 28, 510 ft. below point of triangulation.
	Land, rolling mesa top on E. 18.86 chs.; rough and rugged breaks on remainder of mile; general NW. exposure and drainage.
	Soil, loose, sandy loam on mesa and rocky in form of ledges and outcrops on remainder of mile.
	Timber, scattering cedar and pinon and a few yellow pine on breaks.

chains

Undergrowth, sage, scattering service berry and oak brush. Fair grazing land on mesa.

N.0° 02'W., bet. secs. 21 and 22.

Over broken mountainous land through scattering timber and medium growth of undergrowth. Descend abruptly N. slope.

17.80 Gulch, 265 ft. below sec. cor., drains NW.; ascend S. slope 60 ft.

20.60 Spur, projects NW.; descend abrupt N. slope 190 ft.

24.70 Rocky gulch, drains W.; ascend abrupt S. slope 190 ft.

30.40 Base of low sandstone ridge. bears E. and W.; point for ¼ sec. cor. will fall on precipitous S. face of smooth sandstone ridge where cor. cannot be set, therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked

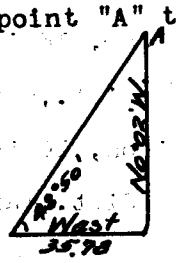
WC
¼
S21 | S22
1921

from which

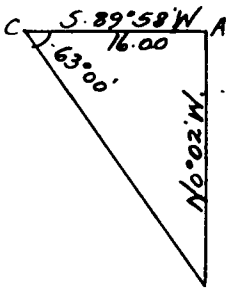
A cedar, 10 ins.diam.,bears S.87½°E., 33 lks. dist.,marked W C ¼ S 22 B T

A pinon, 6 ins.diam.,bears N.87°W., 48 lks. dist.,marked W C ¼ S 21 B T

Being unable to measure N. from this point, I return to cor. of secs. 21,22,27 and 28 and set flag "A" on line N.0°02'W. on top of sandstone ridge, thence from sec. cor. measure a base line west, 35.78 chs. to point whence "A" subtends am angle of 48°50'. (It is impossible to place instrument at point "A" to read angles)



Distance by triangulation = 40.89 chs.

chains	
40.89	Top of lone, rugged, bare sandstone ridge, 210 ft. above witness cor. to the ¾ sec. cor., bears E. and W. True point for ¾ sec. cor. which is 89 lks. S.0°02'E. falls on sloping bedrock and cor. point cannot be reached; it is also impossible to set a cor. at this point.
	The line north crosses a deep, gulch about 300 ft. deep about 16.00 chs. N. and also passes over high sandstone ledges and cannot be chained. Being unable to set a point on line N. of this point I place transit on line N.0°02'W. of the 40.89 ch. point at a point which I designate "A", then, measure base line S.89°58'W., 16.00 chs. distant from point "A" to "C". From "C". the flag at 40.89 chs. point subtends an angle of 63°00'.
	
	Distance by triangulation = 31.40 chs. Previous distance = 40.89 chs.
72.29	To N. point of triangulation.
72.30	Further measurement of this line N. is impossible and the true point for cor. of secs. falls on inaccessible break of mesa, therefore, at this point,
	Set a limestone, 24 x 12 x 5 ins., 18 ins. in the ground, marked with 3 grooves on E., 3 grooves on S. and WC on N. face for witness cor. to the cor. of secs. 15, 16,21 and 22; from which (no iron post available)
	A cedar, 10 ins.diam.,bears N.78¾°E., 50 lks. dist., marked W C T 41 S R 7 W S 28 B T
	A cedar, 16 ins.diam.,bears S.46¾°E., 50 lks. dist.,marked W C T 41 S R 7 W S 28 B T
	A pinon, 10 ins.diam.,bears S.74¾°W., 41 lks. dist.,marked W C T 41 S R 7 W S 21 B T

A pinon, 12 ins.diam., bears N.64½°W., 69 lks. dist., marked W C T 41 S R 7 W S 26 B T

Cor. stands 1.00 ch. S. of high sandstone ledges to the N. and 435 ft. below ridge at 40.89 chs.

80.00 Point for cor. of secs. 15,16,21 and 22 falls on inaccessible ground. Cor. not set.

Land, rough and rugged mountains; general W. exposure and drainage.

Soil, loose sandy loam on sandstone bedrock; considerable bedrock exposed. Sandstone formation.

Timber, cedar and pinon.

Undergrowth, sage, scattering service berry and oak brush. Poor grazing land.

East, on a random line bet. secs. 15 and 22.

Being unable to run east from the true cor. point for cor. of secs. 15,16,21 and for the witness cor. for said cor. on account of inaccessible ledges, I proceed to establish line bet. secs. 15 and 22 as follows:

From the witness cor. to cor. of secs. 15,16,21 and 22, set a flag which I designate "A" N.0°02'W. on point of mesa, then from the witness cor. run traverse line:

S.87°40'W., 1.97 chs.

N.45°00'W., 11.00 chs. to a point which is 9.75 chs. W. of the true point for cor. of secs. 15,16,21 and 22; from this point set a flag "B", east on true random line bet. secs. 15 and 22.

Thence from flag "A" run traverse line:

S.86°36'E., 6.86½ chs.,

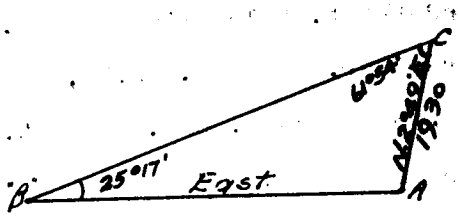
S.50°14'E., 8.63 chs., to intersection with flag "B" on true random line at

13.48 The line E. of this point crosses deep canyon rimmed with ledges and cannot be chained, I therefore triangulate distance to E. side as follows:

Set flag "A" on line on E. side of canyon and erect flag "B" at this point, then, from "A" measure base line

chains

"AC", N.2°49'E., 19.30 chs. distant to point opposite "B" subtends an angle of 61.°54'; from "B" the base "AC" subtends an angle of 25°17'. Vertical angle at "B" = +1¼°



Distance by triangulation = 39.86 chs.
Previous distance = 13.48 chs.

53.34 To E. point of triangulation; set temp. ¼ sec. cor.

80.04 Intersect the cor. of secs. 14,15,22 and 23.

Thence

West, on true line bet. secs. 15 and 22.

Over rolling mesa sloping S through dense undergrowth.

8.00 Raise, 20 ft. above sec. cor., bears NE. and SW.; gradually descend W. slope.

26.70 Point of triangulation on brink of mesa, 75 ft. below raise, bears N. and S.; descend precipitous W. slope over sandstone ledges 165 ft. to

30.40 Point for ¼ sec. cor. will fall on precipitous slope on ledges and cannot be reached, therefore, at this point, Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked

WC¼ S 15 / S 22 1921

from which

A pinon, 6 ins.diam.,bears S.5°E., 14 lks. dist.,marked W C ¼ S 22 B T

A pinon, 14 ins.diam.,bears N.84°E., 65 lks. dist.,marked W C ¼ S 15 B T

Cor. stands on abrupt W. slope on top of vertical sandstone ledge, 200 ft. high, bears N. and S.

Further mesaurement of this line west impossible on account of deep, box canyon [illegible]

Chains	
	by triangulation across canyon from the 26.70 chs. point.
66.56	W. point of triangulation on high, narrow spur, 50 ft. below E. point of triangulation and 1000 ft. above canyon, projects S.; the line W. descends precipitous SW. face of mesa over high ledges; therefore, run traverse as follows:
	N.50°14'W., 8.63 chs. N.86°36'W., 6.86½ chs. to westing of,
80.04	Intersect N. and S. sec. line, at point "A", N.0°02'W., 5.93 chs. from true cor. point for secs. 15,16,21 and 22.
	Land, rolling mesa on E. 26.70 chs. and rough mountainous on remainder; general SW. exposure and drainage.
	Soil, sandy loam on mesa and rocky on mountainous.
	Timber, scattering cedar and pinon on mountainous land.
	Undergrowth, sage, service and oak brush. Good grazing land on mesa.

	West, on true line bet. secs. 16 and 21.
	The line W. of the true cor. point for secs. 15,16,21 and 22 cannot be chained on account of high ledges on breaks of mesa, I therefore begin at the witness cor. to said sec. cor. which is 7.70 chs. S.0°02'E. from true cor. point; thence on traverse line.
	S.87°40'W., 1.97 chs. N.45°00'W., 11.00 chs., to westing of,
9.75	Intersect true line bet. secs. 16 and 21 on SW. slope, 1.00 chs. S. and 1½ chs. W. of base of sandstone wall from mesa; at this point,
	Set a limestone, 18x12x6 ins., 12 ins. in the ground (no iron post available) for witness cor. to the cor. of secs. 15,16,21 and 22, marked 3 grooves and WC on E. and 3 grooves on S. face; from which
	A cedar, 8 ins.diam.,bears N.24½°E., 44 lks. dist.,marked W C T 41 S R 7 W S 16 BT A pinon, 10 ins.diam.,bears S.76°E., 130 lks. dist.,marked W C T 41 S R 7 W S 21 BT A cedar, 18 ins.diam.,bears S.42°W., 46 lks. dist.,marked W C T 41 S R 7WS 21 BT A pinon, 8 ins.diam.,bears N.24½°W., 56 lks. dist.,marked W C T 41 S R 7 W S 16 BT
	Thence

Chains	
	West, on true line bet. secs. 16 and 21.
	Over broken mountainous land through scattering timber and undergrowth. Descend along SW. slope, 200 ft. to
38.45	Small draw, drains S.; ascend SE. slope, 25 ft. to
40.01	True point for ¼ sec. cor. of sec. 21 only, falls on sloping sandstone bedrock where cor. cannot be perpetuated, marked cross (X) at exact point, and, at
40.45	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor. of sec. 21, with brass cap marked ¼ ——— WC S21 1921 from which A yellow pine, 36 ins.diam.,bears S.56°E., 191 lks. dist.,marked W C ¼ S 21 B T
	No other suitable tree available or other accessories.
40.47	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor. of sec. 16 only, with brass cap marked WC ¼ S16 1923 from which A yellow pine, 8 ins.diam.,bears N.81°W., 87 lks. dist.,marked W C ¼ S 16 B T
	Cor. stands on SE. slope. Continue ascent.
43.55	True point for ¼ sec. cor. of sec. 16 only, falls on sloping sandstone bedrock where cor. cannot be set.
45.00	Spur, 90 ft. above draw, projects S.; descend steep, rocky W. slope, 360 ft. to
65.25	Deep, rocky gulch, drains N.30°W.; ascend steep E. slope.
73.00	Spur, 160 ft. above gulch, projects N.; descend along steep, broken N. slope.
80.02	Cor. of secs. 20 and 21 later established at this point.
83.55	Intersect E. bdy. of sec. 17, N.0°39'W., 1.03 chs. dist. from the SE. cor. of sec. 17. At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 16 and 20, with brass cap marked

T41S | R7W
S16
S17 | S20
1921

from which

A pinon, 10 ins.diam.,bears N.51½°E.,20 lks. dist.,marked T 41 S R 7 W S 16 B T

A cedar, 8 ins.diam.,bears S.53°E., 13 lks. dist,marked T 41 S R 7 W S 20 B T

Cor. stands on N. slope, 140 ft. below spur.

Land, rough, broken mountainous; general W. exposure and drainage.

Soil, rocky in form of bedrock and ledges and shallow, loose sandy loam; sandstone formation.

Timber, scattering cedar, pinon and yellow pine.

Undergrowth, sage service berry and oak brush. Poor grazing land.

N. 0°02' W., bet. secs. 15 and 16.

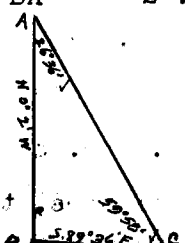
It being impossible to commence at the true point for cor. secs. 15,16,21 and 22, I begin at my point 5.93 chs. N.0°02'W. of true point as established in the survey of line bet. secs. 15 and 22. This point is on top of narrow point of spur of mesa, 915 ft. above the witness cor. to said secs. Thence,

N.0°02'W., counting distances from true cor. point.

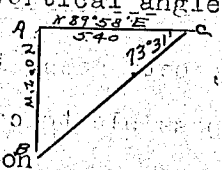
The line crosses a deep gulch in break of mesa across which I cannot chain, I therefore triangulate as follows:

Set point "A" on line N.0°02'W., designate this point "B" and measure base line "BC", S.86°36'E., 6.86½ chs. to point whence "A" subtends an angle of 59°58'. From "A" the base line "BC" subtends an angle of 26°36'.

Vertical angle "BA" = - 2°.



Chains	
	Distance by triangulation = 13.27 chs. Previous distance = 5.93 chs.
19.20	To N. point of triangulation on S. edge of narrow point of mesa, bears N.70°W. and S.70°E.
	A deep gulch which heads about 6 chs. E. and drains W. is approximately 6.00 chs. S. and 900 ft. below this point. Thence,
	N.0°02'W.
	Across level point of mesa through dense timber.
21.96	N. edge of mesa, bears S.80°E. and W.; the line N. descends abruptly over high, vertical sandstone ledges which make chaining impossible, I therefore triangulate as follows:
	Set flag "A" on line N.0°02'W., and erect flag "B" at this point, then, from "A" measure base line "AC" N.89°58'E., 5.40 chs. to point whence "B" subtends anangle of 73°31'. Vertical angle AB = plus 37¼°.



	Distance by triangulation = 18.25 chs. Previous distance = 21.96 chs. Thence by return measurement .73 chs.
39.48	As the true point for ¼ sec. cor. of sec. 16 only, which is 46 lks. S.0°02'E. of this point or at 39.02 chs. falls on sloping sandstone bedrock where a permanent cor. cannot be set, therefore at this point,
	Set an iron post, 3 ft. long, 1 in. dia., 4 ins. in the ground to bedrock and in a large mound of stone for witness cor. to the ¼ sec. cor. of sec. 16 only, with brass cap marked

¼
S16
WC
1923

from which

A cedar, 8 ins.diam.,bears N.49°W., 38 lks. dist.,marked W C ¼ S 16 B T

	Cor. stands on rocky S. slope 915 ft. below mesa, 1 ch. N. and 40 ft. above a gulch which drains N.80°W.
40.00	True point for ¼ sec. cor. of sec. 15 falls on sloping bedrock. No cor. set here, therefore at

Chains

40.21 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in ground for witness cor. to the ¼ sec. cor. of sec. 15 only, with brass cap marked

¼
S15
WC
1921

from which

A pinon, 10 ins.diam.,bears N.22°E., 25 lks. dist.,marked W C ¼ S 15 B T

raise a small mound of stone, E. of cor. No other bearing tree available.

Thence ascend along precipitous W. break of mesa over high sandstone ledges.

79.02 Intersect E. and W. line 7.63 chs. west of the SE. cor. of sec. 9. Point for cor. of secs. 15 and 16 falls on S. face of ledges where cor. cannot be set, therefore, at a point 1.00 ch. N.0°02' W.;

80.02 Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for witness cor. to the cor. of secs. 15 and 16, with brass cap marked

S9

S16 T41S | S15 R7W

WC
1921

Raise a mound of stone, 2 ft. base, 1½ ft. high, S. of cor. No suitable bearing trees available.

Cor. established on narrow point of mesa, projects W., 130 ft. below mesa top to E. and 900 ft. above last ¼ sec. cor.

Land, rough, rugged mountainous or breaks of mesa; general W. exposure and drainage.

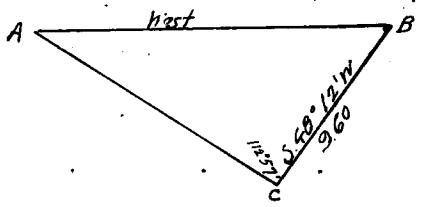
Soil, rocky in form of ledges and bedrock; some loose sand on surface; white sandstone formation.

Timber, scattering cedar and pinon.

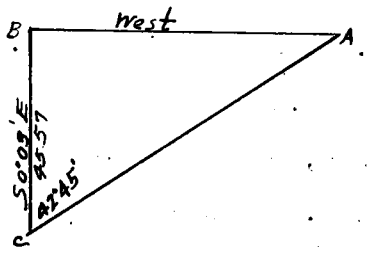
Undergrowth, scattering sage, service berry and oak brush.

Poor grazing.

Chains	
	From the cor. of secs. 27,28,33 and 34.
	West, on temp. line bet. secs. 28 and 33.
17.27	Brink of mesa, further measurement of line impossible on account of high ledges and gulch which heads in mesa; I triangulate to spur W. as follows:
	Set flag "A" on line W. and erect flag "B" at this point thence measure a base line "BC" S.48°12'W., 9.60 chs. to point whence "A" subtends an angle of 112°57'. Impossible to set transit at "A" to read all angles of triangle. Vertical angle "BA" = - 6¾°.



	Distance by triangulation = 20.72 chs.
	Previous distance = 17.27 chs.
37.99	To point of triangulation.
	Distance by return measurement = .75 chs.
37.24	Set temp. witness cor. to the ¼ sec. cor.
	The line west of the 37.99 chs. point descends precipitous W. face of mesa over high ledges down which I cannot chain, and, being unable to set transit at this point I erect flag "A". I now place my transit on line west of "A" at point which I designate "B" and measure base line "BC", S.0°03'E., 45.57 chs. to point whence "A" subtends an angle of 42°45'. Vertical angle "BA" = plus 20½°.



	Distance by triangulation = 42.09 chs.
	Previous distance = 37.99 chs.
	Thence by return measurement .08 chs.
80.00	Set temp. cor. of secs. 28, 29, 32 and 33.
	From temp. cor. of secs. 28, 29, 32 and 33.
	S.0°03' E., on temp. line bet. secs. 32 and 33.
40.00	Set temp. ¼ sec. cor.

Subdivision of T. 41 S., R. 7 W.

chains	
82.90	Intersect S. bdy. of the tp. 8 lks. E. of the cor. of secs. 4, 5, 32 and 33.
	Thence from the cor. of secs. 4, 5, 32 and 33.
	N. 0°03' W., on true line bet. secs. 32 and 33.
	Over rolling and broken bench land facing W. through medium growth of timber and undergrowth. Gradually ascend.
16.75	Rise, 50 ft. above sec. cor., bears E. and W.; gradually descend.
32.20	Rocky ravine, 120 ft. below rise, drains W.; ascend.
39.50	Low spur, 40 ft. above ravine, projects S.80°W.; gradually descend.
42.50	Ravine, 40 ft. below spur, drains W.; ascend S. slope.
42.90	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S32 | S33

1921

from which

A pinon, 8 ins.diam.,bears N.30½°E., 80 lks. dist.,marked ¼ S 33 B T

A pinon, 12 ins.diam.,bears S.40°W., 109 lks. dist.,marked ¼ S 32 B T

	Cor. stands on gentle S. slope 10 ft. above ravine.
46.85	Telephone line, Kanab to Mt. Carmel, Utah, bears N.27½°W. and S.27½°E.
64.40	Rise on bench, 20 ft. above ¼ sec. cor., bears E. and W.; gradually descend N. slope.
70.60	Begin steep descent into gulch, bears E. and W.
79.25	Rocky gulch, 170 ft. below rim, drains NW.; ascend SW. slope 40 ft. to
82.90	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 28,29,32 and 33, with brass cap marked

T41S | R7W

S29 | S28

S32 | S33

1921

Chains

from which

A pinon, 6 ins.diam., bears N.1[illegible] [illegible] dist., marked T 41 S R 7 W S [illegible]

A pinon, 12 ins.diam., bears S.[illegible]°E., [illegible] lks. dist., marked T 41 S R 7 W S 33 B T

A pinon, 8 ins.diam., bears S.1¼°W., 211 lks. dist., marked T 41 S R 7 W S 32 B T

A pinon, 10 ins.diam., bears N.6¼°W., 285 lks. dist., marked T 41 S R 7 W S 29 B T

Land, rolling mesa: general W. exposure and drainage.
Soil, sandy loam with outcrops of sandstone bedrock.
Undergrowth, sage: scattering service berry and oak brush.
Fair grazing land.

From the cor. of secs. 27, 28, 33 and 34.

West, on Additional Correction Line, bet. secs. 28 and 33.

Ascend abruptly E. slope over mountainous land through medium growth of timber and undergrowth.

[illegible].10 W. rim of mesa, bears N.6[illegible]°W. and S.30°E., 90 ft. above sec. cor.: thence across nearly level mesa.

[illegible].27 Point of triangulation on top of W. brink of mesa, bears N. and S.50°W.: thence by triangulation over breaks of mesa and across deep gulch.

[illegible].00 (Approximate) Deep gulch, 400 ft. below rim, drains N. ascend precipitous breaks. A low, narrow pass from rim of mesa onto spur which projects NW., bears S. [illegible] chs. distant.

[illegible].99 W. point of triangulation: thence

East, 0.75 chs. to

[illegible].24 Point for ¼ sec. cor. falls on W. face of mesa on ledge where cor. cannot be set, therefore at this point,

Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for witness cor. to the ¼ sec. cor., with brass cap marked

S 28

W ¼

[illegible]

Chains	
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	No suitable bearing trees available.
	Cor. stands on top of spur from mesa, 160 ft. below E. point of triangulation.
	Thence from the 37.99 chs. point by triangulation over ledges and W. break of mesa, descending 1035 ft. to
40.04	Point for ¼ sec. cor. No cor. set.
80.08	To point of triangulation and the cor. of secs. 28,29, 32 and 33.
	Land, rough, rugged mountains and breaks of mesa and rolling mesa top; general N. and W. exposure and drainage.
	Soil, deep, loose, sandy loam on mesa top and rocky of sandstone formation on breaks.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering service berry and oak brush. Fair grazing land on mesa.

	N.0°03'W., bet. secs. 28 and 29.
	Over broken bench land sloping W. through medium growth of timber and undergrowth. Ascend SW. slope.
11.00	Low spur, 70 ft. above cor., projects NW.; descend NW. slope.
17.10	Wire fence, bears E., W. 2 chs. thence NW.
30.00	Ravine, near head, 150 ft. below spur, drains W.; ascend S. slope.
37.30	Top of ascent on E. slope of high point of spur, 165 ft. above ravine, bears E. and W.; descend N. slope 45 ft.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S29 | S28

1921

from which

A pinon, 8 ins.diam.,bears N.50°E., 23 lks. dist.,marked ¼ S 28 B T

A cedar, 8 ins.diam.,bears N.68½°W., 18 lks. dist.,marked ¼ S 29 B T

Subdivision of T.41 S.,R.7 W.

chains	
46.50	Ravine, near head, 60 ft. below ¼ sec. cor., drains NW.; gradually ascend.
58.00	Spur, 35 ft. above ravine, projects W.; gradually descend
61.00	Begin descent along abrupt NE. and E. slopes.
69.20	Cross small branch gulch, 220 ft. below spur, drains NE. 1 ch. to junction with main gulch; continue along abrupt E. slope.
76.90	High point on E. slope, 50 ft. above gulch, projects E.; descend 60 ft.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 20,21,28 and 29, with brass cap marked

T41S S20	R7W S21
S29	S28

1921

from which

A pinon, 6 ins.diam.,bears N.29¾°E., 41 lks. dist.,marked T 41 S R 7 W S 21 B T

A pinon, 8 ins.diam.,bears S.31¼°E., 32 lks. dist.,marked T 41 S R 7 W S 28 B T

A pinon, 10 ins.diam.,bears S.28°W., 50 lks. dist.,marked T 41 S R 7 W S 29 B T

A cedar, 8 ins.diam.,bears N.50°W., 42 lks. dist.,marked T 41 S R 7 W S 20 B T

Cor. stands on SE. slope.

Land, broken benches; general W. exposure and drainage.

Soil, rocky and shallow sandy loam; sandstone formation.

Timber, cedar and pinon.

Undergrowth, sage, oak and service berry brush. Fair grazing land.

East, on a random line bet. secs. 21 and 28.

40.00	Set temp. ¼ sec. cor.
80.06	Intersect the cor. of secs. 21,22,27 and 28.

Thence

West, on true line bet. secs. 21 and 28.

Subdivision of T.41 S.,R.7 W.

Chains	
	Over mountainous land through scattering undergrowth and few cedar and pinon trees. Gradually descend W. slope over nearly solid bedrock.
13.00	Leave bedrock, bears N. and S.; continue gradual descent NW. slope through heavier undergrowth.
25.85	Base of descent in swale and enter dense timber, bears N. and S., swale drains N.,275 ft. below sec. cor.: asc. E. slope, 100 ft. to
35.60	Ridge, bears NW. and SE., descend W. slope, 70 ft. to
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S21 / S28 / 1921 from which A pinon, 6 ins.diam.,bears S.7½°E., 66 lks. dist.,marked ¼ S 28 BT A pinon, 6 ins.diam.,bears N.7°W., 26 lks. dist.,marked ¼ S21 BT
54.25	Swale, 165 ft. below ¼ sec. cor., drains NW.; asc. E. slope 80 ft.
63.65	Spur, projects N.30°W.; descend broken W. slope, 375 ft.
78.50	Deep, rocky gulch, drains NW.; asc. abrupt E. slope,95 ft.
80.06	The cor. of secs. 20, 21, 28 and 29.
	Land, mountainous; general W. exposure and drainage.
	Soil, rocky and shallow sandy loam; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering service berry, oak and manzanita. Fair grazing land.

	West, on true line bet. secs. 20 and 29.
	Over rolling bench land facing NW., through medium growth of timber and undergrowth. Gradually asc. 90 ft. to
6.80	Top of ascent on bench, leave dense timber and enter heavier undergrowth, bears N. and S.; desc. NW. slope.
29.30	Telephone line, Kanab to Mt. Carmel, Utah, bears N.10°W. and S.10°E.
39.985	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of sec. 29 only, with brass cap marked

Chains	
	¼ S29 1921
	Dig pits, 18x18x12 ins., E. and W. of post,3 ft. distan
	Cor. stands on gentle N. slope, 125 ft. below top bench.
44.32	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor. of sec. 20 only, with brass cap marked ¼ S20 1923 from which A cedar, 3 ins.diam.,bears N.15°E., 60 lks. dist.,marked PT A cedar, 3 ins.diam.,bears N.80°W., 35 lks. dist.,marked PT
	Continue over general NW. exposure.
72.00	Swale, 80 ft. below ¼ sec. cor., drains NW.; gradually ascend E. slope 20 ft.
79.97	Point for cor. of secs. 29 and 30.
84.32	Intersect E. bdy. sec. 19, N.0°28'E., 104 chs. distant from the SE. cor. of sec. 19.
	At point of intersect,
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 20 and 30, with brass cap marked T41S | R7W S20 S19 | S30 1921 from which A cedar, 8 ins.diam.,bears N.62°E., 126 lks. dist.,marked T 41 S R 7 W S 20 B T A cedar, 12 ins.diam.,bears S.3½°E., 35 lks. dist.,marked T 41 S R7 W S 30 B T
	Land, rolling bench; general NW. exposure and drainage.
	Soil, deep, loose, sandy loam; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering oak and service berry brush. Good grazing land.

	From the cor. of secs. 20, 21, 28 and 29.

Chains	
	N. 0°03' W., on randon line bet. secs. 20 and 21.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect E. and W. line, 3.53 chs. East of the cor. of secs. 16 and 20. At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in ground for cor. of secs. 20 and 21, with brass cap marked S16 / S20 | S21 / T41S | R7W / 1921
	from which
	A cedar, 8 ins.diam.,bears S.77½°E., 39 lks. dist.,marked T 41 S R 7 W S 21 B T
	A cedar, 8 ins.diam.,bears S.19°W., 20 lks. dist.,marked T 41 S R 7 W S 20 B T
	S. 0°03' E., on true line bet. secs. 20 and 21.
	Over brokwn bench land through dense timber and short undergrowth; asc. steep N. slope, 90 ft. to
2.50	Top of ascent on N. edge of bench, bears E. and W.; gradually asc. over bench.
12.00	Leave bench, bears E. and W.; asc. steep NW. slope.
26.35	Top of ascent on W. slope of hill, 265 ft. above sec. cor., slopes W.; thence along W. slope.
36.75	Depression on W. slope, 65 ft. below top of ascent, drains W.; asc. 20 ft. to
40.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor. of sec. 21 only, with brass cap marked ¼ | S21 / 1921
	from which
	A pinon, 6 ins.diam.,bears S.60°E., 8 lks. dist.,marked ¼ S 21 B T
	A cedar, 6 ins.diam.,bears N.31°E., 30 lks. dist.,marked ¼ S 21 B T
41.03	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for ¼ sec. cor. of sec. 20 only, with brass cap marked ¼ / S20 | / 1923
	from which

Chains	
	A pinon, 7 ins.diam., bears S.35°W., 39 lks. dist., marked ¼ S.20 B T.
	A cedar, 6 ins.diam., bears N.28°W., 79 lks. dist., marked ¼ S.20 B T.
41.30	Spur, 10 ft. above cor., projects W.; descend abruptly S. slope, 375 ft. to
53.25	Ravine, drains SW.; ascend abrupt NW. slope, 195 ft.
62.50	Top of abrupt ascent from ravine, bears NE. and SW.; thence along gradual W. slope.
70.35	Begin descent over abrupt SW. slope 160 ft. to
75.25	Deep, rocky gulch, drains NW.; asc. abrupt NE. slope.
80.06	The cor. of secs. 20,21,28 and 29, 160 ft. above gulch.
	Land, broken bench and mountainous; general W. exposure and drainage.
	Soil, rocky and sandy loam; red and white sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering service berry and oak brush. Fair grazing land on portions of mile.

	From the cor. of secs. 28,29,32 and 33.
	West, on temp line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.00	Set temp. cor. of secs. 29,30,31 and 32.
	From temp. cor. of secs. 29,30,31 and 32.
	S. 0°03' E., on temp. line bet. secs. 31 and 32.
40.00	Set temp. ¼ sec. cor.
82.86	Intersect S. bdy. of tp. 10 lks. W. of the cor. of secs. 31 and 32.
	Thence from the cor. of secs. 31 and 32.
	N. 0°03' W., on true line bet. secs. 31 and 32.
	Over rolling bench land facing NW., through dense timber and short undergrowth. Gradually descend.
6.75	Ravine, 25 ft. below cor., drains NW.; ascend.
14.80	State road, Mt. Carmel and Kanab, Utah, bears NW. and SE.
18.00	Low, rolling ridge, 15 ft. above ravine, bears NW. and SE.; gradually descend rolling NE. slope.

chains	
42.86	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S31 | S32 1921 from which A cedar, 8 ins.diam.,bears N.78½°E., 45 lks. dist.,marked ¼ S 32 B T. A cedar, 8 ins.diam.,bears S.71¼°W., 23 lks. dist.,marked ¼ S 31 B T Cor. stands on gentle NE. slope 50 ft. below ridge.
57.75	S. rim of gulch, bears NW. and SE.; 25 ft. below ¼ sec. cor.; descend abruptly N. slope 135 ft.
61.70	Gulch, drains N.80°W.; ascend abruptly S. slope 130 ft.
70.20	N. rim of gulch, bears NE. and SW.; thence gradually ascend rolling S. slope.
74.70	Top of ascent, 55 ft. above rim of gulch, bears S.80°W. and E.; gradually descend N. slope 25 ft.
82.86	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 29,30,31 and 32, with brass cap marked T41S | R7W S30 | S29 S31 | S32 1921 from which A cedar, 11 ins.diam.,bears N.62¼°E., 53 lks. dist.,marked T 41 S R 7 W S 29 B T A cedar, 12 ins.diam.,bears S.67°E., 64 lks. dist.,marked T 41 S R 7 W S 32 B T A cedar, 10 ins.diam.,bears S.66°W., 43 lks. dist.,marked T 41 S R 7 W S 31 B T A cedar, 12 ins.diam.,bears N.73¼°W., 20 lks. dist.,marked T 41 S R 7 W S 30 B T Land, rolling and broken bench; general NW. exposure and drainage. Soil, loose, sandy loam streaked with rock; sandstone

chains	
	formation.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering oak and service berry brush. Fair grazing land.

	From the cor. of secs. 28,29,32 and 33.
	West, on Sectional Correction Line bet. secs. 29 and 32.
	Over broken and rolling bench lands facing NW. through medium growth of timber and undergrowth. Descend W. slope 80 ft.
2.00	Gulch, drains NW.; ascend NE. slope 130 ft.
12.00	W. rim of gulch, bears NW. and SE.; gradually descend over rolling bench.
18.30	Telephone line bet. Mt. Carmel and Kanab, Utah, bears N.27°W. and S.27°E.
33.80	Swale, drains NW., 140 ft. below rim of gulch;
39.95	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked $\frac{S\ 29}{\frac{1}{4}\ S\ 32}$ 1921 from which A pinon, 12 ins.diam.,bears N.77°W., 202 lks. dist.,marked ¼ S 29 B T A pinon, 12 ins.diam.,bears S.86½°W., 208 lks. dist.,marked ¼ S 32 B T
57.40	Wash, at bend from N.70°E. to course NW.; gradually ascend 60 ft.
60.20	Raise, bears NW. and S.70°E.; thence over NW. slope; descend 60 ft.
79.90	The cor. of secs. 29,30,31 and 32.
	Land, broken and rolling bench; general NW. exposure and drainage.
	Soil, shallow sandy loam streaked with rock; sandstone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, scattering oak and service berry

Chains	
	brush. Fair grazing land.
	West, on true line bet. secs. 30 and 31, on Sectional Correction Line.
	Over rolling and broken bench land through dense timber and scattering undergrowth. Along N. slope to
7.20	Raise, bears N. and S.; descend steep W. slope.
12.70	Draw, 120 ft. below raise, drains SW.; ascend gradual SE. slope.
23.10	Low spur, 65 ft. above draw, projects S.; gradually descend along S. slope.
33.50	E. rim of gulch, bears N.70°W. and S.70°E.; descend abruptly SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 30 / S 31 1921
	from which
	A pinon, 12 ins.diam.,bears S.74½°E., 68 lks. dist.,marked ¼ S 31 B T
	A pinon, 8 ins.diam.,bears N.69¾°W., 54 lks. dist.,marked ¼ S 30 B T
	Cor. stands on SW.slope 150 ft. below rim of gulch.
46.00	Gulch, 30 ft. below ¼ sec. cor., drains N.60°W.; ascend steep NE. slope.
64.00	W. rim of gulch, bears NW. and SE., 165 ft. above bottom; thence gradually ascend rolling NE. slope.
73.00	Ridge, 15 ft. above rim, bears NW. and SE.; descend along gentle S. slope to
80.50	Descend abruptly W. slope.
82.28	Intersect W. bdy. of the tp., 6.60 chs. N. of the cor. of secs. 25 and 36, T.41 S.,R.8 W.
	At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. in dia., 24 ins. in the ground for cor. of secs. 30 and 31, with brass cap marked

chains	
	T41S T41S S30 S25 R8W S31 R7W 1921
	from which
	A sandstone ledge marked X B O bears N.44½°E., 10 lks. distant.
	A sandstone ledge marked X B O bears S.15¼°E., 6 lks. distant.
	Cor. stands on steep NW. slope 60 ft. below ridge.
	Land, rolling and broken bench; general NW. exposure and drainage.
	Soil, shallow, loose, sandy loam and rocky ; sandstone and limestone formation.
	Timber, cedar and pinon.
	Undergrowth, sage, service berry and oak brush. Fair grazing land.

	From the cor. of secs. 29,30,31 and 32.
	N.0°03'W., bet. secs. 29 and 30.
	Over rolling bench land facing NW., through medium growth of timber and undergrowth. Descend N. slope.
12.60	Ravine, 40 ft. below sec. cor., drains NW.; gradually ascend.
28.30	Top of raise, 25 ft. above ravine, bears E. and W.; descend.
32.60	Ravine, 60 ft. below raise, drains W.; ascend.
37.30	Wire fence and low spur, bears E. and W.; descend 20 ft.
38.90	Small draw, drains S.80°W.; ascend.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 26 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S30 S29 1921
	from which
	A cedar, 16 ins.diam.,bears S.63¾°E., 48 lks. dist.,marked ¼ S 29 B T

chains

A cedar, 8 ins.diam.,bears N.86½°W., 58 lks. dist.,marked ¼ S 30 B T

Cor. stands on SW. slope.

45.00 Low spur; 70 ft. below ¼ sec. cor., projects W.; descend.

80.00 Intersect E. and W. line, 4.35 chs. east of the cor. of secs. 20 and 30.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground for cor. of secs. 29 and 30, with brass cap marked

S20

S30 T41S | S29 R7W

1921

from which

A cedar, 8 ins.diam.,bears S.56°E., 146 lks. dist.,marked T 41 S R 7 W S 29 B T

A cedar, 6 ins.diam.,bears S. 31½°W., 178 lks. dist., marked T 41 S R 7 W S 30 B T

Cor. stands on gentle NE. exposure 40 ft. below spur.

Land, rolling bench; general NW. exposure and drainage.

Soil, shallow sandy loam, streaked with clay and rocks; sandstone formation.

Timber, cedar and pinon.

Undergrowth, sage, scattering oak and service berry brush.

Good grazing land.

Latitudes, departures and closing errors.

Lines designated	True bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		Chs.	Chs.	Chs.	Chs.	Chs.
W.bdy.sec. 3	S.2° 54'E	10.09		10.08	.51	
W.bdy.sec. 3	South	79.24		79.24		
N.bdy.sec. 9	West	90.41				90.41
W.bdy.sec. 9	S.1° 03'W	80.03		80.02		1.47
E.bdy.sec.17	S.0° 39'E	80.00		80.00	.91	
S.bdy.sec.17	N.89°57'W	80.00	.07			80.00
E.bdy.sec.19	S.0° 28'W	80.00		80.00		.65
S.bdy.sec.19	N.88°01'W	40.02	1.39			40.00
S.bdy.sec.19	S.89°57'W	37.84		.03		37.84
W.bdy.sec.30	South	80.38		80.38		
W.bdy.sec.31	South	82.85		82.85		
S.bdy.T41SR7W	East	319.85			319.85	
"	N.88°47'E	43.85	.93		43.84	
"	N.89°15'E	38.69	.51		38.69	
"	N.88°58'E	40.59	.73		40.58	
"	N.89°00'E	39.32	.69		39.31	
E.bdy.T41SR7W	North	486.95	486.95			
N.bdy.T41SR7W	N.88°27'W	6.73	.18			6.73
"	N.89°47'W	79.62	.30			79.62
"	N.89°36'W	39.95	.28			39.95
"	N.89°38'W	40.03	.26			40.03
"	N.89°45'W	39.81	.17			39.81
"	N.89°26'W	26.61	.26			26.61
Convergency						.43
Totals ----------			492.72	492.60	483.69	483.55
			492.60		483.55	
Error in lat. and dep..			.12		0.14	

GENERAL DESCRIPTION.

This fractional township contains high rolling mesa land, rough, rugged breaks and broken benches and foot hills. It lies to the east of the Rio Virgin which flows south-westerly through the west portion of the township. The mesa portion, extending in a northerly & southerly

and terminating along the south boundary is locally known as "The Glendale Bench". It lies about 1000 ft. above the surrounding country, is rimmed with high nearly vertical white sandstone walls. Can only be reached from the north by way of Glendale.

The mesa top is covered with a dense growth of black sagebrush, scattered clumps of oak and service berry brush, and a medium growth of scrub cedar and pinon, with few yellow pines on portions along the rims and breaks. The surrounding country which is broken benches and foot hills is covered with a scattered growth of cedar and pinon. The soil on mesa is a shallow, loose dark sandy loam, lying on bedrock and clay, from a few inches to more than 3 ft. deep, streaked with outcroppings of sandstone and limestone bedrock. On the remainder of this fractional township the soil is principally rocky and loose sandy loam.

The Rio Virgin flowing through secs. 3, 9 and 30 of this survey is the only water in the township with the exception of a small spring in the NW¼ of NE¼ sec. 11 (not seen from line) and a small seep spring on line bet. secs. 13 and 14.

Considerable of the land lying on top of the "Glendale Bench" is suitable for Dry Farming, also portions on the lower benches in secs. 16, 20 and 21. The remainder can be classed as grazing lands.

The town of Orderville is located in sec. 4, and Mt. Carmel in secs. 17 and 18 of the old surveyed portion of this tp.

Few indications of inferior coal were noted in secs 9 and 16. No indications of mineral or oil were noted in the township. There are no settlers living in this portion of the township.

Andrew Nelson,
U.S.Cadastral Engineer.
Chas. F. Moore
U.S.Transitman

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Page

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Frank Romney	First Assistant.
LeRoy Peck	Second Assistant
Mack Rozelle	Flagman
Melvin Krotki	Axman

6-2704

CADASTRAL ENGINEER AND TRANSITMAN

CERTIFICATE OF UNITED STATES ~~SURVEYOR~~

ANDREW NELSON, U.S.CADASTRAL ENGINEER.

We, Chas. F. MOORE, U.S.Transitman ~~U.S. Surveyor~~, Robert C. Yundt, U.S.TRANSITMAN, hereby certify upon honor that, in pursuance of special instructions received from the U. S. Surveyor General for UTAH bearing date of the 10th day of March 1921 ~~xx~~, We have well, faithfully, and truly in our 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 Resurvey of portion of 8th Standard Parallel South through Range 7 West; Resurvey of South Boundary; Survey of portion of West Boundary; Survey of East Boundary; Resurvey and Survey of Subdivision of Fractional Township 41 South, Range 7 West.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram page 1 as having been executed by us ~~xx~~, and under our ~~my~~ direction on dates shown on diagram, 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.

Dated April 29, 1922 at Salt Lake City, Utah. Andrew Nelson U.S.Cadastral Engineer ~~xxxxxxxx~~

Dated May 27 1922, at Modena Utah. Chas. F. Moore U.S. Transitman

Robert C. Yundt U.S.Transitman

APPROVAL.

Dated Dec. 18 1923 at Salt Lake City, Utah.

~~OFFICE OF THE UNITED STATES SURVEYOR GENERAL,~~

December 29, 1923, ~~xx~~

The foregoing field notes of the ~~survey of~~ resurvey of portion of 8th Standard Parallel South through Range 7 West; Resurvey of South boundary; survey of portion of west boundary; survey of east boundary, and resurvey and survey of subdivision of Township 41 South, Range 7 West of the Salt Lake Base and Meridian

executed by Andrew Nelson, U.S. Cadastral Engineer, and Chas. F. Moore U.S. Transitman under ~~xx~~ special instructions dated March 10, 1921, ~~xx~~, 191, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

E. A. Sweeson

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.

6—2764

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Paul M. Peterson	Head Chainman
Anthony Hansen	Rear Chainman
Arvil Bird	Flagman
Guy Morrison	Axman

6—2764

CADASTRAL ENGINEER

CERTIFICATE OF UNITED STATES

I, Andrew Nelson, U.S. Cadastral Engineer, hereby certify upon honor that, in pursu[illegible] of supplemental special instructions received from the U. S. Surveyor General for Utah bearing date of the 10th day of March 1924 I have well, faithfully, and [illegible] 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~~ independent resurvey of W. 4 miles of S. bdy., and readjustment of secs. 31, 32, 33 and 34, of T. 41 S., R. 7 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me, and under my direction, on dates shown on date diagram; and that all the corners [illegible] 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 Salt Lake City, Utah
Feb. 21, 1925.

Andrew Nelson
U.S. Cadastral Engineer.

APPROVAL.

OFFICE OF THE UNITED STATES Supervisor of Surveys,

Denver, Colorado. February 8, 1926.

The foregoing field notes of the resurvey of portion of 8th standard parallel south through R. 7 W.; resurvey of south boundary; survey of portion of west boundary; survey of east boundary; resurvey and survey of subdivision of Township 41 South, Range 7 West, Salt Lake Base and Meridian,

executed by Andrew Nelson, U.S.C.E., and Chas. F. Moore and Robert C. Yundt, U.S.E., under special instructions dated March 10, 1921, and March 10, 1924, 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. 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.

~~U. S. Surveyor General~~

BOOK A-476

"C".

FIELD NOTES

OF THE ~~SURVEY OF THE~~

INDEPENDENT RESURVEY OF PORTION OF WEST BOUNDARY

AND

INDEPENDENT AND DEPENDENT RESURVEYS OF PORTIONS OF

SUBDIVISION OF T. 42 S., R. 7 W.

Of the SALT LAKE BASE and *Meridian,*

the State of U T A H

EXECUTED BY

ANDREW NELSON, U. S. CADASTRAL ENGINEER.

~~*the capacity of U. S. Surveyor*~~ *, under* supplemental *instructions dated* March 10 *, 1924.*

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

oup No. 82 *, which were approved by the Commissioner of the General Land*

ice, March 18 *, 1924*

upplemental Assignment Instructions dated August 27, 1924.

Survey commenced September 12 *, 1924*

Survey completed September 23 *, 1924*

BOOK A-476

INDEX DIAGRAM.

Township 42 South, *Range* 7 West

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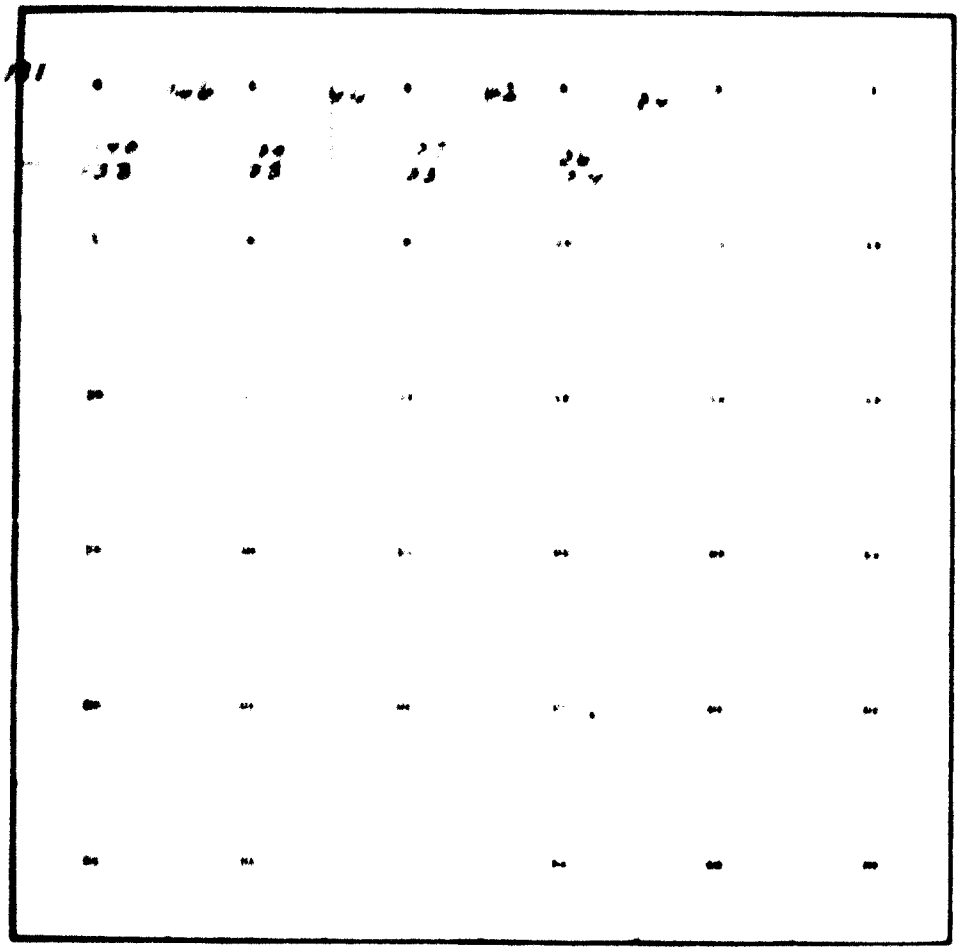
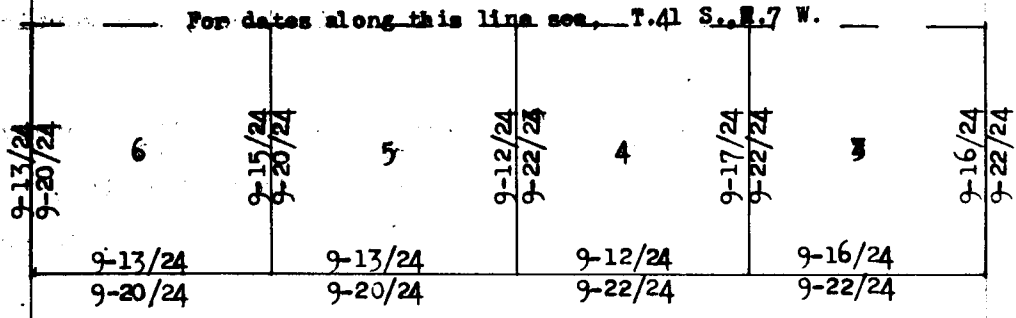
BOOK A-476

INDEX DIAGRAM.

Township [illegible] Range [illegible]



Date Diagram of T. 42 S., R. 7 W.



Surveyed by Andrew Nelson, U.S.Cadastral Engineer.

Test of Instrument, T. 42 S., R. 7 W.

Survey commenced September 12, 1924, and executed with a Buff and Buff transit No. 9978, equipt with Smith solar attachment and full vertical circle. The horizontal limb is 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 circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for Utah, conditional upon satisfactory field tests, in supplemental assignment instructions dated August 27, 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 merdian determined by observations on Polaris, I proceed as follows:

Sept. 13th; at my camp near the ¼ sec. cor. of secs. 17 and 18, T. 41 S., R. 7 W., in approximate latitude 37° 15' N., and longitude 112° 38' W., at 8h 7.6m p.m., l.m.t., I observe Polaris at eastern 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 firmly in the ground about 9 chs. N.

Azimuth of Polaris at eastern elongation = 1°23'7".

Sept. 14th: I lay off the azimuth of Polaris, 1° 23' to the west and mark the meridian thus determined by a nail in a stake driven firmly in the ground about 9 chs. N.

At 8h 0m a.m., app.t., I set off 37° 15' N. on the lat. arc; 3° 23' N. on the decl. arc; and determine a meridian with the solar which I find to agree within 1' 30" of the true meridian.

At apparent noon with the instrument in the meridian, I 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 simultandously the altitude of the sun's lower limb and the transit of the sun's east limb.

Mean observed angle ----------	56° 03' 30"
Reduced latitude ----------	37° 15' 16"
Mean watch time of observation -----	12h 00m 54s
Watch fast of local mean time --------	5m 20s

At apparent noon with the instrument in the meridian, and the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the declination arc is 3° 19' N.; which agrees very closely with the computed declination of the sun.

At 3h om p.m., app.t., with the lat. arc unchanged, I set off 3°16' N. on the decl. arc; and determine a meridian with the solar which I find tc agree within 1' 30" of the true meridian.

As all the solar observations made during the usual hours of solar work come within 1' 30" of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

The instrument was kept in good adjustment throughout the progress of this survey.

MEASUREMENTS:

Unless otherwise specified all measurements are made with a Lallie steel ribbon tape, five (5) chains in length, compared with a Lufkin standard steel tape, one (1) chain in length, and found correct. The measurements are made on the slope, the vertical angle determined by clinometers and the slope measurements properly reduced to true horizontal distances, which only appear in these notes.

Independent Resurvey of Portion of W. Bdy., T.42 S., R.7 W.

Chains

METHOD AND ORDER OF PROCEDURE:

Owing to the very abnormal condition of the W. 4 miles of the north boundary of T. 42 S., R. 7 W., an independent resurvey of this boundary is made, by commencing at the northwest corner of sec. 2 and projecting a line due west to an intersection with the E. bdy. of T. 41 S., R. 8 W. where the SW. cor. of T.41 S., R.7 W. is established. The notes of this boundary are written in the survey of T.41 S., R.7 W. of this Group.

The S. bdrs. of secs. 3, 4, 5 and 6, and E. bdy. sec. 3 are resurveyed under the dependent type selection, while the meridional bdrs., with the exception of line bet. secs. 2 and 3, are run N. to closings or random and true lines to the resurveyed N. bdy.

Independent Resurvey, superseding the survey executed by J. H. Clark, U. S. Deputy Surveyor, in 1904 and 1907.

Independent resurvey of portion of W, bdy.,

T. 42 S., R. 7 W.

From the cor. of secs. 1, 6, 7 and 12 on W. bdy. of tp., which is a sandstone 16x9x3 ins., loosely set, marked with 5 notches on S. and 1 notch on N. edge; from which A cedar, 20 ins.diam., bears S.77½°W., 70 lks. dist., marked T42S R8W S12 BT

I reconstruct cor. as follows:

Alongside of stone cor., set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 1, 6, 7 and 12, with brass cap marked

T42S

R8W	R7W
S1	S6
S12	S7

1924.

No other accessories available.

Thence,

North on true line, bet. secs. 1 and 6 on W. bdy. of tp.

Over broken mountainous land with general westerly exposure, through scattered scrub pinon and cedar, and short undergrowth.

Descend from cor. on sandy bench, 35 ft. to

2.25 Dry wash, drains S.80°W.; asc. broken and rocky S. and SW. slopes, 210 ft. to

16.60 Ridge, E. slope, bears W. to high point, and S.50°E.

Descend steep, rocky N. slope, 265 ft.

29.30 Gulch, drains NW.; ascend abrupt rocky S. slope, 110 ft.

33.50 N. rim of gulch, bears NW. and SE.; thence over gradual NW. slope, descending through dense timber.

33.75 W. of my line 7 lks. dist. is the original ¼ sec. cor., a sandstone, 22x8x3 ins., lying on ground, marked ¼ on upper face, from which a pinon, 18 ins. diam.,bears S.84½°E., 46 lks. dist., marked T42SR7W¼SS6BT, and a pinon, 14 ins.diam.,bears N.34½°W., 53 lks. dist., marked T.42SR8W¼SS1BT

I destroy all evidence of this cor.

40.00 Set an iron post, 3 ft. long, 1 in. dia., 20 ins. in ground to sandstone bedrock, and supported by a mound of stone, for ¼ sec. cor. of secs. 1 and 6, with brass cap marked

¼

S1 | S6

1924

from which

A cedar, 10 ins.diam.,bears S.68¾°E., 47 lks. dist.,marked ¼ S6 BT

A pinon, 14 ins.diam., bears S.57½°W., 60 lks. dist.,marked ¼ S1 BT

Cor. stands on gradual NW. slope, 30 ft. below rim of gulch.

58.60 Short branch draw, 135 ft. below ¼ sec. cor., drains W. to NW.; asc. abrupt S. slope, 175 ft. to

Chains	
64.40	Top of rim facing S., bears E. and NW.; thence gradually descend smooth N. slope, 50 ft. to cor.
70.10	W. of my line 7 lks. dist. is the site of the original cor. of Ts. 41 and 42 S., Rs. 7 and 8 W., heretofore described and destroyed by me, see notes of T. 41 S., R. 7 W., this Group, page 24. West of site of this original tp. cor., 14.28 chs. dist. of the SE. cor. of T. 41 S., R. 8 W.
73.85	Intersect the S. bdy. sec. 31, T.41 S., R. 7 W., East, 4.33 chs. dist. from the SW. cor. of T.41 S., R.7 W., recently established by me and described in survey of T.41 S., R.7 W. At point of intersection,

Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground, for cor. of Ts. 42 S., Rs. 7 and 8 W., with brass cap marked

T41SR7W
S31

S1	S6
R8W	R7W

T42S
1924

from which

A pinon, 9 ins.diam., bears S.70°E., 41 lks. dist., marked T42S R7W S6 BT

A cedar, 5 ins.diam., bears S.28¾°W., 9½ lks. dist., marked T42S R8W S1 BT

Land, broken mountainous with general westerly exposure and drainage into Virgin River.

Soil, rocky of white sandstone formation, with shallow, loose sandy loam, ledges and outcrops.

Timber, scattered to medium growth of pinon and cedar.

Undergrowth, scattered sage and oak brush.

Poor grazing land.

Chains	
	Reestablishment of the surveys executed by J.H. Clark, U.S.Deputy Surveyor, in 1907.
	Dependent Resurvey of Subdivision, T.42 S.,R.7 W.
	From the cor. of secs. 1, 6, 7 and 12 on W. bdy. of tp., heretofore described.
	East, on retracement bet. secs. 6 and 7.
38.38	No evidence of the original ¼ sec. cor. could be found after careful search.
78.43	Fall 30 lks. N. of original cor. of secs. 5, 6, 7 and 8, hereinafter described.
	The course and distance of this mile therefore is S. 89°47' E., 78.43 chs.

	From the cor. of secs. 5, 6, 7 and 8.
	East, on retracement bet. secs. 5 and 8.
39.55	Fall 9 lks. S. of the original ¼ sec. cor., hereinafter described.
	Continue East, on same line with continuous measurement.
79.10	Fall 18 lks. S. of the cor. of secs. 4, 5, 8 and 9, hereinafter described.
	The course of this mile therefore is N.89°52' E., and the distance of each ½ mile is 39.55 chs.

	From the cor. of secs. 4, 5, 8 and 9.
	East, on retracement bet. secs. 4 and 9.
40.52½	Fall 34 lks. N. of the original ¼ sec. cor., hereinafter described.
	Continue East on same line with continuous measurement.
81.05	Fall 68 lks. N. of the original cor. of secs. 3, 4, 9 and 10, hereinafter described.
	The course of this mile therefore is S. 89°31' E., and the distance of each ½ mile is 40.52½ chs.

Chains	
	From the cor. of secs. 3, 4, 9 and 10.
	East, on retracement bet. secs. 3 and 10.
39.79	Intersect the original ¼ sec. cor., hereinafter described.
79.58	Intersect the cor. of secs. 2, 3, 10 and 11, hereinafter described.
	The course of this mile therefore is East, and distance of each ½ mile is 39.79 chs.

	From the cor. of secs. 2, 3, 10 and 11.
	North, on retracement bet. secs. 2 and 3.
40.00	Fall 149 lks. E. of the original ¼ sec. cor., hereinafter described.
	Continue North on same line with continuous measurement.
75.13	Fall 280 lks. E. of the original cor. of secs. 2 and 3 on N. bdy. of tp., heretofore described by me in survey of T.41 S.,R.7 W. of this Group.
	The course of this mile therefore is N. 2°08' W., and distance of S. and N. half miles is respectively 40.03 chs. and 35.15 chs.

	From the cor. of secs. 2 and 3 on N. bdy. of tp.
	S. 2°08' E., resurveying bet. secs. 2 and 3.
	Ascend steep N. slope through medium timber and short undergrowth from cor. which is about 1½ chs. S. of a large gulch draining nearly E.
1.50	S. rim of gulch, bears nearly E. and W.; thence over rolling sandy bench, through more scattered timber and heavier undergrowth, gradually ascending, 65 ft. to
30.00	Top of low, flat rise, 130 ft. above cor., bears E. and W.; thence over rolling SE. slope gradually descending.
35.15	The original ¼ sec. cor., which is a cedar post, 3 ins. square, extending 2½ ft. above ground, marked ¼S on W. face, from which original bearing trees,

Chains

A cedar, 30 ins.diam.,bears S.40¼°.E., 157 lks. dist.,marked ¼S S2 R7W BT

A cedar, 12 ins.,diam.,bears N.16½°W., 200 lks. dist.,marked ¼S R7W S3 BT

I reconstruct cor. as follows:

Alongside wooden post, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 2 and 3, with brass cap marked

¼
S3 | S2
1924.

Cor. stands on a gradual S. slope, 20 ft. below top of rise.

Continue S.2°08'E., with continuous measurement.

Gradually descending rolling SE. slope, 115 ft. to cor.

75.18 The original cor. of secs. 2, 3, 10 and 11, which is a cedar post, 4 ins. squared, extending 2 ft. above ground, marked with 2 notches on E. and 5 notches on S. edge, from which

A cedar, 8 ins.diam.,bears N. 60°E. 3 lks. dist.,marked S2 BT

A cedar, 12 ins.diam.,bears S.3°E., 82 lks. dist.,marked T42S S11 BT

A cedar, 10 ins.diam.,bears S.42¼°W., 106 lks. dist.,marked S10 BT

A cedar, 8 ins.diam.,bears N.61°W., 209 lks. dist.,marked S3

I reconstruct cor. as follows:

Alongside wooden post, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 2, 3, 10 and 11, with brass cap marked

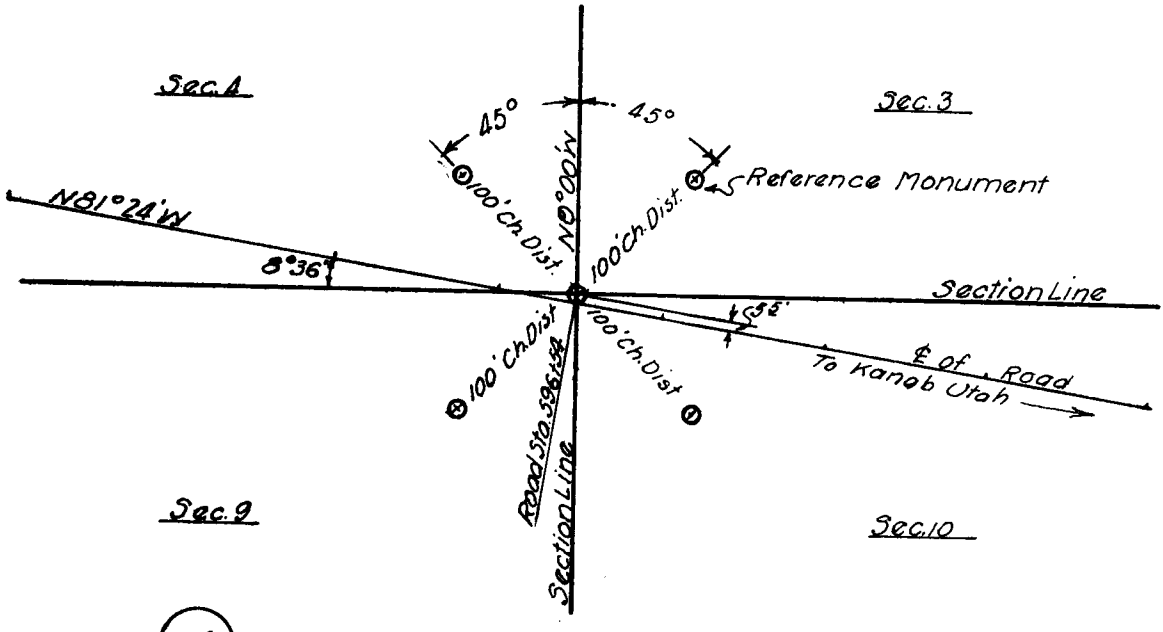
T42S	R7W
S3	S2
S10	S11

1924.

Cor. stands on gradual, sandy SE. slope.

Chains	
	Land, rolling bench with general NE. and SE. exposure; drainage E.
	Soil, deep, loose sandy loam and sand.
	Timber, scattered cedar and pinon.
	Undergrowth, dense sagebrush and scattered oak and service brush.
	Fair grazing land.
	West, resurveying bet. secs. 3 and 10.
	Over rolling bench land facing SE., through scattered timber and dense short undergrowth; gradually ascendin
39.79	The original ¼ sec. cor., which is a cedar post, 4 ins. squared, extending 20 ins. above ground, marked ¼S on N. face, unwitnessed.
	I reconstruct cor. as follows:
	Alongside wooden post, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 3 and 10, with brass cap marked
	S3 ¼ S10 1924
	from which
	A cedar, 6 ins.diam.,bears N.50½°E., 167½ lks. dist.,marked ¼ S3 BT
	A cedar, 6 ins.diam.,bears S.58°W., 317 lks. dist.,marked ¼ S10 BT
	Cor. stands on gentle E. exposure, 100 ft. above sec. cor
	Continue West, with continuous measurement.
66.00	Top of wide, flat divide ridge, 20 ft. above ¼ sec. cor. bears S., and gradually ascends N. to S. point of high sandstone face of mesa.
	Gently descend 20 ft. over slight SW. exposure.
79.40	State highway, bears N.80°W. to Long Valley and S.80°E. to Kanab, Utah.

136 A



Caps Marked Thus

Corner referenced with 4 Monuments - Made of 1"x 4'-0" Galv. pipe with bronze caps - Caps marked as shown.
Each monument projects approx. 8" above ground
Section Corner buried 12" below Road Grade

REFERENCE of SECTION CORNER
COMMON TO SECTIONS 3, 4, 9, 10.
T. 42 S. R 7 W. S.L.B & M

Jay Raleigh.
Resident Eng.
Sam Dawson
Transitman

June 1931

79.58 The original cor. of secs. 3, 4, 9 and 10, which is the lower portion (post has been broken off at surface of ground) of a cedar post, 4 ins. diam., 2 ft. long, set full depth in ground, unwitnessed.

I reconstruct cor. as follows:

Alongside of wooden post, set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of secs. 3, 4, 9 and 10, with brass cap marked

T42S	R7W
S4	S3
S9	S10

1924

This corner untraced by Utah State Highway Department June 1921

from which

A cedar, 6 ins.diam.,bears N.67½°E., 296 lks. dist.,marked T42S R7W S3 BT

A cedar, 8 ins.diam.,bears S.50¾°W., 255 lks. dist.,marked T42S R7W S9 BT

A cedar, 8 ins.diam.,bears N.34°W., 414 lks. dist.,marked T42S R7W S4 BT

Other accessories impracticable. Cor. stands in S. edge of the road.

Land, rolling bench with SE. and SW. exposures and drainage from divide ridge.

Soil, deep, loose sand.

Timber, scattered cedar and pinon.

Undergrowth, dense sagebrush, with scattered oak, brigham-tea and cactus.

Fair grazing land.

From the cor. of secs. 3, 4, 9 and 10.

N. 89°31' W., resurveying bet. secs. 4 and 9.

Over rolling bench land with slight S. and SW. exposures, through scattering timber and dense short undergrowth.

14.60 Telephone line, Kanab to Mt. Carmel, Utah, bears NW. and SE.

Chains	
40.52½	The original ¼ sec. cor., which is an oak post, 4 ins. squared, extending 2 ft. above ground, marked ¼S on N. face, from which
	A cedar, 16 ins.diam.,bears S.55½°E., 148 lks. dist.,marked ¼ S9 BT
	A cedar, 6 ins.diam.,bears N.2¼°W., 114½ lks. dist.,marked ¼ S4 BT
	I reconstruct cor. as follows:
	Alongside wooden post, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 4 and 9, with brass cap marked
	S4 ¼ S9 1924
	Cor. stands on top of low rolling sand ridge, 10 ft. above sec. cor., and bearing N.60°E. and S.70°W.
	Continue N.89°31'W., with continuous measurement.
	Over general W. and NW. exposures, descending 120 ft. to sec. cor.
67.10	Dim trace of old road, bears NW. and SE.
81.55	The original cor. of secs. 4, 5, 8 and 9, which is a cedar post, 4 ins. squared, extending 2 ft. above ground, marked with 4 notches on E. and 5 notches on S. edge, from which
	A cedar, 16 ins.diam.,bears N. 49¼°E., 116 lks. dist.,marked T42S R7W S4 BT
	A cedar, 14 ins.diam.,bears S.17½°E., 55 lks. dist.,marked T42S R7W S9 BT
	I reconstruct cor. as follows:
	Alongside cedar post, set an iron post, 3 ft. long, 2 ins. diam., 24 ins. in the ground, for cor. of secs. 4, 5, 8 and 9, with brass cap marked

T42S	R7W
S5	S4
S8	S9

1924

Other accessories impracticable.

Cor. stands on a gradual NW. slope.

Land, rolling bench with SW. and NW. exposures; drainage SW.

Soil, deep, loose sand.

Timber, scattered cedar and pinon.

Undergrowth, dense sagebrush, with scattered clumps of dense oak brush, 6 to 12 ft. high.

Fair grazing land.

From the cor. of secs/ 4, 5, 8 and 9.

S. 89°52' W., resurveying bet. secs. 5 and 8.

Over rolling bench land with W. and SW. exposures, through scattered timber and dense undergrowth.

Gradually descending 150 ft. to ¼ sec. cor.

27.00 Dim old road, bears N. to Long Valley and S. to Cottonwood Canyon.

39.55 The original ¼ sec. cor., which is a cedar post, 4 ins., squared, extending 2 ft. above ground, marked ¼S on N. face, witnessed by two bearing trees as follows:

A dead cedar, 20 ins.diam.,bears S.70¼°E., 145 lks. dist., marked ¼ S8 BT

A cedar, 10 ins.diam.,bears N.54½°E., 212 lks. dist., marked ¼ S5 BT

I reconstruct cor. as follows:

Alongside wooden post, set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 5 and 8, with brass cap marked

$$\frac{1}{4}\ \frac{S5}{S8}$$
1924

I mark an additional tree,

A cedar, 8 ins.diam.,bears S.55¼°E., 216 lks. dist.,marked ¼ S8 BT

Cor. stands on slight SW. exposure.

Continue S. 89°52'W., with continuous measurement.

Chains

55.00 Dir old road, bears N. and S.

[illegible] Base of descent in slight swale, 50 ft. below ¼ sec. cor., drains SW.; asc. 20 ft.

[illegible] Top of low red sand ridge, bears NE. and SW.; also a sheep corral bears S.15°W. about 10 chs. dist.

Descend N. slope of ridge, 40 ft. to cor.

[illegible] The original cor. of secs. 5, 6, 7 and 8, which is a cedar post, 4 ins. squared, extending 16 ins. above ground, marked with 5 notches on S. and E. edges, witnessed by three bearing trees as follows:

A cedar, 14 ins.diam.,bears N.75¼°E., 215 lks. dist.,marked T42S R7W S5 BT

A cedar, 18 ins.diam.,bears S.71°E., 186 lks. dist.,marked T42S R7W S8 BT

A cedar, 14 ins.diam.,bears N.17¾°W., 241 lks. dist.,marked T42S R7W S6 BT

I reconstruct cor. as follows:

Alongside wooden post, set an iron post, 3 ft. long, [illegible] ins. diam., 24 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap marked

T42S	R7W
S6	S5
S7	S8

1924

their accessories impracticable.

Cor. stands on gentle N. slope.

Land, rolling bench with general SW. exposure and drainage

Soil, deep, loose sand.

Timber, scattered cedar and pinon.

Undergrowth, dense sagebrush, with scattered clumps of [illegible], trigram-tea and cactus.

Fair grazing land.

From the cor. of secs. 5, 6, 7 and 8.

[illegible] W. resurveying bet. secs. 6 and 7.

Chains	
	Over rolling bench land, through scattering timber and short undergrowth. Descend W. slope, 20 ft. to swale.
2.70	Old road, bears N. and S. Leads to corral.
4.50	Bottom of swale, drains S.30°W.; begin ascent over SE. and S. slopes.
7.10	Road, bears N.20°E. to Long Valley and S.20°W. to Moccasin Springs and St. George, Utah.
15.00	Leave rolling bench, enter broken and rocky land, bears NE. and SW.
31.00	Top of high point on S. slope, 195 ft. above swale, slopes off to S. and bears N. to ridge; descend 25 ft. along steep S. slope.
35.60	Depression on S. slope, drains S.; asc. 70 ft. over SE. slope.
40.02	Proportionate point,
	Set an iron post, 3 ft. long, 1 in. dia., 14 ins. in the ground to sandstone bedrock, and supported by a mound of stone, for ¼ sec. cor. of secs. 6 and 7, with brass cap marked
	S6 ¼ ——— S7 1924
	from which
	A cedar, 7 ins.diam.,bears N.9½°E., 51½ lks. dist.,marked ¼ S6 BT
	A cedar, 8 ins.diam.,bears S.10½°W., 60 lks. dist.,marked ¼ S7 BT
	Corner stands on gentle E. slope.
48.50	Top of high point, near S. edge of ridge, 70 ft. above ¼ sec. cor., bears N.80°E. and NW.; descend steep S. slope.
52.50	Cross head of draw, 35 ft. below ridge, drains S.; continue gradual descent along S. slope.
63.40	Spur, 90 ft. below ridge, projects S.20°W.; descend steep, broken NW. and W. slopes, 125 ft. to cor.

Chains	
75.00	Base of steep descent from spur, continue gentle descent
78.43	The cor. of secs. 1, 6, 7 and 12, heretofore described.
	Land, rolling bench on E. end of mile; broken hills on most of mile; exposure and drainage S. to SW.
	Soil, rocky of sandstone formation and loose sand.
	Timber, scattered to medium growth of scrub cedar and pinon.
	Undergrowth, sagebrush and oak brush.
	Fair grazing land.

Independent resurvey, superseding the survey executed by J. H. Clark, U. S. Deputy Surveyor, in 1907.

Independent Resurvey of Subdivision, T.42 S., R.7 W.

	Knowing that the line bet. secs. 3 and 4 will not close within limits on the N. bdy., therefore from the cor. of secs. 3, 4, 9 and 10, heretofore described,
	North, on true line resurveying bet. secs. 3 and 4.
	Over rolling bench land facing S., through few scattered cedars and dense short undergrowth; gradually ascend S. and SW. slopes towards base of high mesa.
0.10	State highway, bears N.80°W. to Long Valley and S.80°E. to Kanab, Utah.
29.60	Leave bench at base of mesa slope, 160 ft. above cor., bears E. and N.20°W.; asc. steep S. slope over barren sandstone, 145 ft. to
34.00	The line N. passes over the W. point of spur from mesa, about 200 ft. high, with nearly prependicular sides, over which I cannot chain, therefore offset as follows:
	West, 2.35 chs., thence
	North, on offset line, 6.00 chs. thence
	East, 2.35 chs. to true line, and at
40.00	Set an iron post, 3 ft. long, 1 in. dia., 12 ins. in the ground to bedrock, and supported by a mound of

Chains

stone, for ¼ sec. cor. of secs. 3 and 4, with brass cap marked

¼

S4 | S3

1924

from which

A yellow pine, 14 ins.diam.,bears S.31½°E., 167 lks.dist., marked ¼ S3 BT

A cedar, 9 ins.diam.,bears S.8°W., 96 lks. dist.,marked ¼ S4 BT

Cor. stands to N. of ledge point, on steep, rocky W. slope, 360 ft. above sec. cor. No evidence of original ¼ sec. cor. could be found.

Thence, North on true line.

Along broken and rocky W. slope of mesa.

55.00 The line to the N. follows along the W. face and crosses the W. edge of mesa, rimmed with nearly vertical sandstone wall about 400 ft. high, up which it is impossible to chain, therefore offset as follows:

West, 6.82 chs., thence

North, on offset line, at 6.36 chs. I intersect the original witness cor. to the cor. of secs. 3, 4, 33 and 34, which is a sandstone, 27x10x5 ins., firmly set, marked with 3 notches on E. and W. edges and WC on N. face, witnessed by a mound of stone S., and a pinon bearing tree NW.

I destroy all evidence of this W.C. by defacing the marks on stone and bearing tree and destroying the mound.

Continue North, on offset line for distance of 19.82 chs. to intersection of N. bdy. of tp., thence

East, along bdy., at 1.82 chs. is the W.C. to the cor. of secs. 33 and 34, T.41 S.,R.7 W., which is 4.20 chs. W. of true cor. point. Cor. recently established and described in T.41 S., R.7 W.

Continue East, for 2.00 chs. from W.C. or total easting

Chains	
	of 3.82 chs. or
74.82	Point 3.00 chs. W. of true cor. point for closing cor.,

Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for witness cor. to the closing cor. of secs. 3 and 4, with brass cap marked

T41SR7W
S34
S4 | S3 —WC
T42S | R7W
CC
1924

from which

A cedar, 10 ins.diam., bears S.32°E., 68 lks. dist.,marked T42S R7W S4 CC BT WC

A pinon, 14 ins.diam.,bears S.7½°W., 15 lks. dist.,marked T42S R7W S4 CC BT WC

The true cor. point for this closing cor., East, 3.00 chs. falls on W. face of mesa on ledge where it is impossible to set cor.

The witness cor. stands on a N. slope in S. edge of small depression draining NW., and 50 lks. W. of the base of 400 ft. ledge on W. face of mesa bearing S. and NW. at this point.

Land, rolling sandy bench with SW. exposure and covered with very scattered cedar and pinon and dense sage, oak and brigham-tea brush on the S. 34 chs; rough, broken general S. and W. slopes of point of high mesa, with mostly barren white sandstone and some loose sand, covered with few scattered trees and sage brush on N. portion of mile.

Fair grazing on S. portion of mile.

From the cor. of secs. 4, 5, 8 and 9, heretofore described.

North, on random line bet. secs. 4 and 5.

40.00	Set temp. ¼ sec. cor.

Chains	
72.12	Intersect N. bdy. of tp., 30 lks. W. of the cor. of secs. 4, 5, 32 and 33, an iron post, 2 ins. dia., recently established and described in survey of T.41 S.,R.7 W.
	From this cor. the site of the original cor. of above secs., recently destroyed by me, bears N.8°10'W., 2.53 chs. dist.
	Thence,
	S. 0°14' W., resurveying bet. secs. 4 and 5.
	Over broken bench land facing NW., through scattering timber and dense short undergrowth; proceed along sandy bench to
2.00	N. edge of gulch, bears E. and W.; desc. 65 ft.
3.70	Bottom of rocky gulch, course W.; asc. 50 ft.
8.80	Narrow point of bench bet. gulches; desc. 75 ft.
11.40	Bottom of rocky gulch, course NW.; asc. 80 ft. to
15.75	S. edge of gulch, bears E. and NW.; thence gradually asc. over rolling bench.
18.90	State highway, bears N.85°W. to Long Valley and S.85°E. to Kanab, Utah.
27.00	Top of low sand spur, 40 ft. above edge of gulch, projects W.
34.12	On top of low flat sand ridge, bears NE. and SW.
	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor., with brass cap marked

¼

S5 | S4

1924

from which

A cedar, 7 ins.diam., bears N.38½°W., 209 lks. dist.,marked ¼ S5 BT

No tree available in sec. 4 and pits impracticable.

The original ¼ sec. cor., which is a cedar post, 4 ins. squared, extending 2 ft. above ground, marked ¼S on W. face, unwitenssed, bears S.84° W., 19 lks. dist.

I destroy all trace of this ¼ sec. cor.

Chains	
	From ¼ sec. cor. proceed over general SW. exposure.
62.60	Dim old road, bears N.80°W. and S.80°E.
74.12	The cor. of secs. 4, 5, 8 and 9.
	Land, rolling and broken bench with NW. and SW. exposure and drainage.
	Soil, deep, loose sand, with sandstone bedrock along gulches in N. portion of mile.
	Timber, scattered cedar and pinon.
	Undergrowth, dense sagebrush with scattered clumps of tall oak brush, juniper brush and brigham-tea.
	Fair grazing land.

	Knowing that a closing cor. will be necessary upon N. bdy., thence from the cor. of secs. 5, 6, 7 and 8, heretofore described.
	N. 0°14' E., resurveying bet. secs. 5 and 6.
	Over rolling and hilly land, through scattered to medium growth of timber and dense short undergrowth; gently asc. over S. exposure.
23.10	Road, bears NE. to Long Valley and S.5°W. to Moccasin Springs and St. George, Utah.
29.00	Top of gentle ascent on flat ridge, 40 ft. above sec. cor., bears E. and SW.; descend N. and NE. slopes, 75 ft to ¼ sec. cor.
40.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for ¼ sec. cor. of secs. 5 and 6, with brass cap marked

¼

S6 | S5

1924

from which

A cedar, 12 ins.diam.,bears N.11½°E., 65 lks. dist.,marked ¼ S5 BT

A cedar, 20 ins.diam.,bears N.48°W., 68 lks. dist.,marked ¼ S6 BT

Independent Resurvey of Subdivision, T.42 S.,R.7 W.

Chains	
	Cor. stands on a sandy E. slope, about 1 ch. W. of small draw draining N.
	No evidence of the original ¼ sec. cor. could be found.
42.80	Bottom of rocky gulch, 30 ft. below ¼ sec. cor., course W.; asc. steep, rocky S. and SW. slopes, 185 ft. to
54.50	Top of spur ridge, descends to NW. and bears SE. to E.
	Descend N. slope, 200 ft. to sec. cor.
74.24	Intersect N. bdy. of tp., 76 lks. E. of the cor. of secs. 31 and 32, an iron post, 2 ins. dia., recently established by me and described in survey of T.41 S., R. 7 W. At point of intersection,
	Set an iron post, 3 ft. long, 2 ins. dia., 24 ins. in the ground, for closing cor. of secs. 5 and 6, with brass cap marked

T41SR7W
S32
S6 | S5
T42S | R7W
CC
1924

from which

A pinon, 12 ins.diam.,bears S.5½°E., 29 lks. dist.,marked T42S R7W S5 CC BT

A cedar, 14 ins.diam.,bears S.24°W., 31 lks. dist.,marked T42S R7W S6 CC BT

Cor. stands on N. slope in W. edge of bottom of draw, draining N.10°E. for short distance thence NW.

The site of the original cor. of secs. 5, 6, 31 and 32, recently destroyed by me, bears N.15°00'E., 2.86 chs. dist.

Land, rolling and hilly; exposure to S. on the S. 29 chs. and to NW. on remainder of mile.

Soil, loose sandy, mixed with sandstone.

Timber, scattered to medium growth of cedar and pinon.

Undergrowth, dense sagebrush, with scattered oak brush.

Fair grazing land.

Boundaries of secs. 3 to 6 inclusive, [illegible]

Latitudes, departures and closing errors.

Lines designated	True bearing	Distances	Latitudes N.	Latitudes S.	Departures E.	Departures W.
		Chs.	Chs.	Chs.	Chs.	Chs.
N. bdy. sec. 6	East	78.70			78.70	
N. bdy. sec. 5	East	79.24			79.24	
N. bdy. sec. 4	East	80.80			80.80	
N. bdy. sec. 3	East	76.78			76.78	
E. bdy. sec. 3	S. 2°08'E.	75.18		75.13	2.80	
S. bdy. sec. 3	West	79.58				79.58
S. bdy. sec. 4	N.89°31'W.	81.05	.68			81.05
S. bdy. sec. 5	S.89°52'W.	79.10		.18		79.10
S. bdy. sec. 6	N.89°47'W.	78.43	.30			78.43
W. bdy. sec. 6	North	73.85	73.85			
Convergency					.06	
Totals	----- ---------		74.83	75.31	318.38	318.16
				74.83	318.16	
	Error in lat. and dep.		-------	0.48	0.22	

General Description, T. 42 S., R. 7 E.

The resurveyed portion of this township, secs. 3 to 6 inclusive, contains principally rolling bench land. The S. point of high, sandstone mesa extends into the northwest portion of sec. 3. Section 6 contains mostly broken and hilly land.

The soil on the rolling bench is principally a deep, loose reddish sand, and on the rough portion it is rocky of sandstone formation with loose sand.

A scattered growth of scrub cedar and pinon timber and dense sagebrush, with scattered oak brush is found throughout these secs.

The land is suitable for grazing. There is no water in these secs.

There are no settlers or improvements in this portion of the township.

I found no indications of mineral, oil or coal within these secs.

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Paul M. Peterson	Head Chainman
Anthony Hansen	Rear Chainman
Arvil Bird	Flagman
Guy Morrison	Axman

CADASTRAL ENGINEER

CERTIFICATE OF UNITED STATES/~~SURVEYOR GENERAL~~

I, Andrew Nelson, U.S.Cadastral Engineer, hereby certify upon honor that, in pursuance of supplemental special instructions received from the U. S. Surveyor General for Utah bearing date of the 10th day of March, 1924, 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 independent resurvey of portion on west boundary, and independent and dependent resurveys of portion of subdivision of T. 42 S., R. 7 W.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram page 1 as having been executed by me, and under my direction, on dates shown on diagram 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.

Salt Lake City, Utah. Feb. 21, 1925

Andrew Nelson
U.S.Cadastral Engineer ~~Sur. Gen.~~

APPROVAL.

Supervisor of Surveys.
OFFICE OF THE UNITED STATES ~~SURVEYOR GENERAL~~

Denver, Colorado. February 8, 1926 ~~xxxx~~, 191

The foregoing field notes of the ~~xxxxxxx~~ independent resurvey of portion of west boundary and independent and dependent resurveys of portions of subdivision of T. 42 S., R. 7 W., S. L. B. & M.,

executed by Andrew Nelson, U. S. C. E.,

under his special instructions dated March 10, 1924, ~~xxx~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

U. S. Supervisor of Surveys ~~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~~

4—679

"I"

BOOK A-476

FIELD NOTES

OF THE SURVEY OF THE

WEST BOUNDARY AND THE SUBDIVISION OF T. 15½ S.R.26 E.;

TRACEMENT OF THE THIRD STANDARD PARALLEL SOUTH THROUGH RANGE 26 EAST:

TABLISHMENT OF THE STANDARD CLOSING CORNER OF Tps.15 and 15½ S.R.26 E.

THE INTERSECTION OF THE THIRD STANDARD PARALLEL SOUTH WITH THE UTAH-

LORADO STATE BOUNDARY LINE OF THE 1921 and 1922 RESURVEY, AND THE

TABLISHMENT OF A QUARTER SECTION CORNER ON THE 170th MILE ON THE

AH-COLORADO STATE BOUNDARY LINE, ON THE EAST BOUNDARY OF T. 15½ S.

26 E.

Of the Salt Lake Base and *Meridian,*

the State of Utah

EXECUTED BY

J. C. Clark

the capacity of U. S. Surveyor, *under instructions dated* February 26, *19*21,

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

up No. 87, *which were approved by the Commissioner of the General Land*

e, March 25, 1921, *191*, *pursuant to authority contained in the Act of*

signment Instructions dated May 8, 1922.

gress dated , *191*

plemental Assignment Instructions dated May 5, 1924.

Survey commenced July 13, 1924, *191*

Survey completed July 21, 1924., *191*

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INDEX DIAGRAM.

Township ....., *Range* .....

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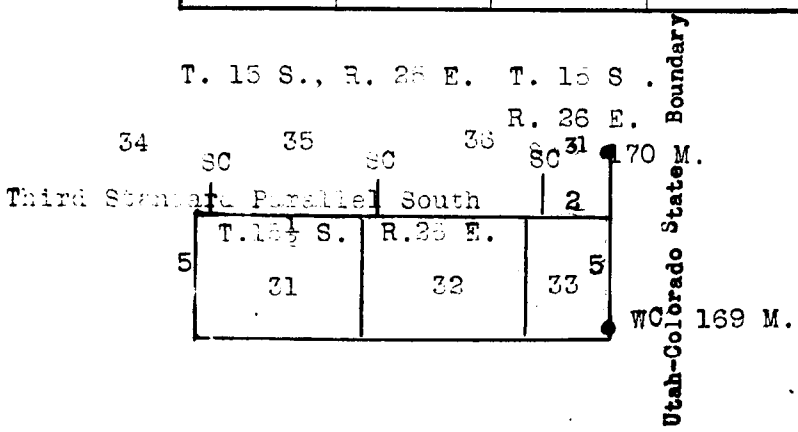
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



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INDEX DIAGRAM.

Township 15½ S., *Range* 26 E.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

157 159 161 157 154

See diagram p. 152

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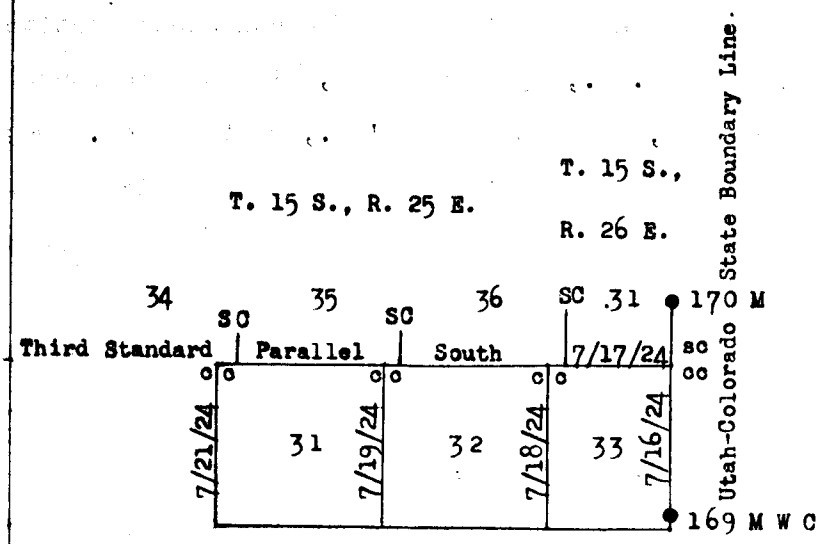
Tests of Instrument.

Township 15½ South, Range 26 East.

DATE DIAGRAM OF T. 15½ S., R. 26 E.



Survey commenced July 13, 1924, and executed by J. C. Clark, U. S. Surveyor, with a Young and Sons transit No. 8520. The instrument is described and the dates of its approval by the Assistant Supervisor of Surveys of District No. six, are given at the beginning of the finished notes of the survey of T. 16 S., R. 26 E.; and the establishment of meridian and final test of July 13, 1924, in sec. 6, T. 16 S., R. 26 E., given on page three of the finished notes of T. 16 S., R. 26 E., is the initial test for the survey of T. 15½ S., R. 26 E.

Final Test of Instrument.

July 20, 1924, at camp, in sec. 6, T. 16 S., R. 26 E., I test the solar apparatus as follows by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with the meridian determined by observations on Polaris, on July 13, 1924, heretofore described in the finished notes of the survey of T. 16 S., R. 26 E.:

At 9h 0m a. m., apparent time, I set off 39°27' N., on the lat. arc; 20°39' N., on the decl. arc; and determine a meridian with the solar which I find to agree within 30 seconds of the true meridian.

At apparent noon, I set off 20°37' N., on the decl. arc, and observe the sun on the meridian; the resulting

Tests of Instrument.

Township 15½ South, Range 26 East.

Chains.

reading of the lat. arc is 39°27' N., which agrees within one half minute of the calculated latitude.

At 3h 0m p. m., apparent time, with the latitude arc unchanged, I set off 20°36' N., on the decl. arc; and determine a meridian with the solar which falls within one minute of the meridian determined by observations on Polaris.

All of the solar observations during the hours suitable for solar work come within one minute of the true meridian; therefore, I conclude that the instrument has been in adjustment during the survey of this township.

Observations for latitude and declination were taken whenever practicable, and in computing the declinations of the sun, the refractions were corrected for an altitude of eighty-three hundred feet. All measurements were taken with a five chain Lallie steel tape which was compared with a Lufkin standard one chain steel tape kept for this purpose only; and the distances measured on the slope were reduced to the horizontal by using Keuffel and Esser clinometers.

Retracement of the Third Standard Parallel South through Range 26 East.

From the standard cor. of Tps. 15 S., Rs. 25 and 26 E., which is an iron post, 3 ins. in diam., extending 14 ins. above ground, firmly set, correctly marked and witnessed by two bearing trees, one in each sec.,

Retracement for distance only, along the Third Standard Parallel South, through Range 26 East, on the S. bdy. of sec. 31, T. 15 S., R. 26 E.

27.54 The standard closing cor. of Tps. 15 and 15½ S., R. 26 E., which is a hard white sandstone, 24x15x5 ins. above ground, firmly set in a mound of stone, 4 ft. base, 1½ ft. high, marked S C C C T 15 S R 26 E S 31 U

Retracement of the Third Standard Parallel South Through Range 26 East.

Chains

1918 on N.face and C 170 M P on E. face, and witnessed by one bearing tree in Sec.31.

According to the official record in Group No. 41 of the survey of the Third Standard Parallel South, Range 26 East, this standard closing Tp. cor. is established at the intersection of the Third Standard Parallel South with the Utah-Colorado State Boundary line, as defined by the 1885 resurvey, heretofore described in the finished field notes of the survey of the Third Standard Parallel South, Range 26 East, Group No. 41, Utah.

Retracement for distance only, with continuous measurement,

28.59 The Utah-Colorado State Boundary line, as defined by the witness cor.to the 169th mile cor. of the 1881 resurvey, heretofore described in the finished field notes of T. 15 S., R. 26 E., in this group, and the 170th mile cor.of the 1882 resurvey, which is an iron post, 2 ins.in diam., extending 20 ins.above ground, firmly set in a mound of stone, 3½ ft. base, 1 ft. high, and marked on brass cap

170 M.
U | C
T | O
A | L
H | O
1922

from which

A pinon pine, 10 ins.diam., bears southeasterly and marked 170 M COLO B T

A cedar, 8 ins.diam., bears northwesterly and marked 170 M UTAH B T

Therefore, the length of the Third Standard Parallel South, Range 26 East, from the standard cor.of Tps. 15 S., Rs. 25 and 26 E. to the standard closing cor. of Tps. 15 and 15½ S., R. 26 E. is 37.54 chs.; and the length of the line from the standard cor.of Tps.

Chains.

15 S. Rs. 25 and 26 E. to the Utah-Colorado State Boundary line, as defined by the witness cor.to the 169th mile cor. and the 170th mile cor.of the 1921 and 1922 resurvey, is 28.59 chs. And the distance from the standard closing cor.of Tps. 15 and 15½ S. R. 26 E. to the Utah-Colorado State Boundary line, as resurveyed in 1921 and 1922 is 1.05 chs.

East 1.05 chs. dist. from the standard closing cor.of Tps. 15 and 15½ S . R. 26 E. to a point on the Utah-Colorado State Boundary line as determined by the 1921 and 1922 resurvey,

Set an iron post 3 ft.long, 3 ins.in diam. 27 ins.in the ground, for standard closing cor.of Tps.15 and 15½ S . R. 26 E. with brass cap marked

S C
T15S
R26E
U S31C | C
S33C
T15½S
1924

from which

A pinon pine, 10 ins.diam., bears S. 14° 45' W. 105 lks.dist., marked SC T15½S R26E S33 CC BT

A pinon pine, 8 ins.diam., bears N. 39° W. 42 lks.dist.,marked SC T15S R26E S31 CC BT

According to record course of the 170th mile of the 1921 and 1922 resurvey, this standard closing Tp.cor. bears N. 0° 03' E. 54.00 chs. dist. from the witness cor.to the 169th mile cor., heretofore described,

I change the original standard closing cor.of Tps.15 and 15½ S. R. 26 E . to an angle point, and deface all of the markings, except SC T15S R26E S31 1918 on N.face. I also mark A P on N.face.

Establishment of a Quarter Section Corner on Utah-Colorado State Boundary Line.

Chains.	
	From the witness cor. to the 169th. mile cor. of the 1921 resurvey, heretofore described,
	N.0°03'E., according to record course, along the Utah-Colorado State Boundary Line, as defined by the said witness cor. to the 169th. mile cor. and the 170th. mile cor. of the 1921 resurvey, hereinbefore described.
39.55	Northing of 40.00 chs. from the closing cor. of Tps. 15½ and 16 S., R. 26 E., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 26 E., in this group.
	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor. of sec. 33, with brass cap marked:

U
TS 33 ¼ | COLO
A
H 1924

from which,

A pinon pine, 12 ins. diam., bears S.57°W., 53 lks. dist., marked ¼ S 33 B T.

A pinon pine, 12 ins. diam., bears N.59°15'W., 41 lks. dist., marked ¼ S 33 B T.

Survey of the West Boundary of T. 15½ S., R. 26 E.

	From the cor. of Tps. 15½ and 16 S., Rs. 25 and 26 E., heretofore described in the finished field notes of the survey of the E. bdy. of T. 16 S., R. 25 E., in this group,
	North, on a true line along the W. bdy. of T. 15½ S., R. 26 E., bet. secs. 31 and 36.
	Desc. 470 ft. along general NE. slope, across rolling bench, through dense undergrowth.
38.00	Leave rolling bench, bears E. and W.; begin abrupt descent of 70 ft. to
40.00	On a N. slope, set an iron post, 3 ft. long; 1 in. in diam.; 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

Survey of the West Boundary of T. 15½ S., R. 26 E.

$\frac{1}{4}$
S 36 | S 31
1924

At the base of the monument, I deposit a sandstone, 8x5x3 ins., marked with a cross (X). Other accessories impracticable.

43.60 Ravine, 70 ft. below ¼ sec. cor., drains E.; in the bottom of this ravine, a small spring of alkali water, bears W. approximately 15.00 chs. dist.; asc. abrupt general S. slope 215 ft., over outcroppings and a series of broken and perpendicular ledges, 10 to 25 ft. high, bearing E. and W.

47.90 Leave series of ledges, bears E. and W.

52.90 Spur, projects S.70°E. approximately 20.00 chs. dist.; desc. NE. slope 15 ft. to

54.97 Intersect the Third Standard Parallel South, west 7.76 chs. dist. from the standard cor. of secs. 34 and 35, T. 15 S., R. 25 E., which is an iron post, 2 ins. in diam., extending 16 ins. above ground, firmly set in a mound of stone, 2 ft. base, 1 ft. high, correctly marked and witnessed on the N. by a mound of stone, 2 ft. base, 1 ft. high. At the point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in the ground, for closing cor. of Tps. 15½ S., Rs. 25 and 26 E., with brass cap marked:

T15SR25E
S 34
S36 | S31
R25E | R26E
T15½S
CC
1924

At the base of the monument, I deposit a sandstone, 9x6x3 ins., marked with a cross (X). Other accessories impracticable.

Land, mountainous of sandstone formation; general drainage E. to Cottonwood Canyon, thence SE.

Soil, red sand and dark sandy loam, about 3 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock.

Survey of the West Boundary of T. 15½ S., R. 26 E.

Chains.	
	Timber, a few scattering cedar and pinon pine.
	Undergrowth, dense growth of oak and buck brush, service berry bushes and scattering sagebrush.
	Fair growth of grass and browse.

Survey of the Subdivision of T. 15½ S., R. 26 E.

	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 26 E.,
	N.0°01'E., bet. secs. 31 and 32.
	Asc. abrupt rough general S. slope 70 ft., through heavy timber and scattering undergrowth.
1.80	Leave heavy growth of timber, bears E. and W., and enter scattering; enter dense undergrowth, bears E. and W.
2.40	Ridge, bears NW. and SE.; abrupt descent of 115 ft.
7.60	Main travelled sheep trail from the summer range to the winter range, bears N.15°W. and S.15°E.
15.30	Draw, drains E.; asc. 15 ft.
18.00	Spur, projects N.70°E. approximately 30.00 chs. dist.; desc. 165 ft. along general E. slope.
38.40	Fork of Hell's Hole Canyon, drains S.80°E.; asc. SE. slope 5 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 31 | S 32

1924

from which,

A pinon pine, 8 ins. diam., bears N.17°E., 273 lks. dist., marked ¼ S 32 B T.

A pinon pine limb, 6 ins. diam., bears N.15°15'W., 243 lks. dist., marked ¼ S 31 B T.

42.70	Enter a medium dense growth of timber, bears E. and W.
46.00	Leave timber, bears E. and W.

Survey of the Subdivision of T. 15½ S., R. 26 E.

Chains.	
48.70	Spur, 175 ft. above ¼ sec. cor., projects N.70°E. approximately 15.00 chs. dist., thence southeasterly; desc. NW. slope 40 ft. to
54.74	Intersect the Third Standard Parallel South, west 7.53 chs. dist. from the standard cor. of secs. 35 and 36, T. 15 S., R. 25 E., which is an iron post, 2 ins. in diam., extending 20 ins. above ground, firmly set in a small mound of stone, correctly marked and witnessed on the N. by a mound of stone, 2 ft. base, 1½ ft. high.

At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to solid rock and in a mound of stone, 4 ft. base, 1 ft. high, for closing cor. of secs. 31 and 32, with brass cap marked:

T15SR25E
S 35

S31	S32
T15½S	R26E
C	C

1924

At the base of the monument, I deposit a sandstone, 12x8x2 ins., marked with a cross (X). Other accessories impracticable.

Land, abrupt and mountainous, with outcroppings of sandstone formation; drainage SW. to Cottonwood Canyon, S. 2.40 chs.; N. 52.34 chs. drain E., SE. and NE. into Hell's Hole Canyon.

Soil, red sand and dark sandy loam, about 3 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock.

Timber, cedar, pinon pine and balsam.

Undergrowth, oak and buck brush, sagebrush, service berry bushes and mountain rush.

Fair to good grazing of grass and browse.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 26 E.,

Survey of the Subdivision of T. 15½ S., R. 26 E.

Chains.	
	N.0°01'E., bet. secs. 32 and 33.
	Desc. abrupt N. slope 190 ft., over outcroppings, through scattering timber and dense undergrowth.
1.20	Enter a medium dense growth of timber, bears E. and W.
5.50	Fork of Hell's Hole Canyon, drains E.; asc. abrupt general SW. slope 515 ft. over large boulders, outcroppings and a series of broken and perpendicular ledges, 10 to 40 ft. high, bearing E. and W.
16.00	Spur, projects S.70°E. approximately 25.00 chs. dist.; leave series of ledges, bears N.70°W. and S.70°E.; precipitous descent of 480 ft. over rough NE. slope.
36.90	Hell's Hole Canyon, drains SE.; asc. abruptly 85 ft. over SW. slope to ¼ sec. cor.
39.40	Timber becomes more dense, bearing NW. and SE.
39.60	Base of a series of nearly perpendicular ledges, 10 to 200 ft. high, bears N.60°W. and S.60°E.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼
S 32 | S 33
1924

from which,

A cedar, 12 ins. diam., bears N.81°E., 63 lks. dist., marked ¼ S 33 B T.

A cedar, 10 ins. diam., bears N.89°W., 83 lks. dist., marked ¼ S 32 B T.

54.34	On a rugged SW. slope, 595 ft. above ¼ sec. cor., set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 20 ins. high, for witness closing cor. of secs. 32 and 33, with brass cap marked:

T15SR25E
S 36
W | C
S32 | S33
T15½S | R26E
C | C
1924

from which,

Survey of the Subdivision of T. 15½ S., R. 26 E.

Chains.

A cedar, 7 ins. diam., bears S.5°30'E., 34 lks. dist., marked W C T 15½ S R 26 E S 33 C C B T.

A pinon pine, 12 ins. diam., bears S.23°30'W., 19 lks. dist., marked W C T 15½ S R 26 E S 32 C C B T.

54.46 Intersect the Third Standard Parallel South, west 7.57 chs. dist. from the standard cor. of Tps. 15 S., Rs. 25 and 26 E., hereinbefore described. The point of intersection or the true point for the closing cor. of secs. 32 and 33, falls on a stationary boulder, 10x7x6 ft., where it is impracticable to set an iron post; therefore, I chisel a cross (X) at the true cor. point.

Land, steep and rugged mountains of sandstone formation; general drainage SE. by Hell's Hole Canyon.

Soil, shallow red sand and dark sandy loam, lying on a clay subsoil, or on bedrock.

Timber, cedar, pinon pine and balsam.

Undergrowth, oak and buck brush, service berry bushes, sagebrush and mountain rush.

Fair growth of grass and browse.

Latitudes, Departures and Closing Errors.

Line Designated.	True Bearing.	Distance.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		Chs.	Chs.	Chs.	Chs.	Chs.
West bdy. of Tp.	North	54.97	54.97			
North bdy. of Tp.: Portion of Third St. Par. South, Range 25 East.	East	167.76			167.76	
Third St. Par. South, Range 26 East.	East	28.59			28.59	
Portion of 170th. mile of 1922 resurvey.	S.0°03'W.	54.00		54.00		0.05
Portion of 169th. mile of 1921 resurvey.	S.0°03'W.	0.45		0.45		
South bdy. of Tp.	West	196.05				196.05
Convergency.....					0.03	
Totals.....			54.97 54.45	54.45	196.38 196.10	196.10
Errors in lat. and dep.....			0.52		0.28	

General Description.

This township lies in a range of mountains known as the Book Mountains or Book Cliffs, and the surface is cut by Cottonwood and Hell's Hole Canyons, and forks of Hell's Hole, which drain southeasterly into Prairie Canyon, located in Colorado. The township has a general southern exposure, and the land is very abrupt and rough with outcroppings and ledges of sandstone formation. It has an approximate range of elevation above sea level of eight thousand feet and a general average magnetic declination of fifteen degrees and forty-one minutes east.

A few small seams of coal are exposed on the sides of the canyons, but there are no indications of other mineral or oil, although the seeps of water in the bottoms of the forks of Hell's Hole Canyon appear to be oily.

The soil is a red sand and a dark sandy loam, varying in depth from about three inches to three feet, lying on a clay subsoil, or on bedrock; second to fourth rate.

Dense undergrowth of oak and buck brush, service berry bushes, sagebrush and mountain rush, and a sparse to a heavy growth of cedar, pinon pine and balsam timber cover the township.

The land is unfit for farming, and is only suitable for grazing purposes; and there is a fair to a good growth of grass and browse on the greater portions of the sections. But, owing to the dense undergrowth and scarcity of good water, the range is more adapted for cattle than for sheep; and the land is being used at present for a summer range for the former. The only stream of water in the township is small and alkaline, and is located in the bottoms of the forks of Hell's Hole Canyon, and flows through lot four of section thirty-three. Nearly all of the stock that graze on this portion of the range, trail to water located in the townships adjoining on the south and west, and in

General Description.

the forks of Prairie Canyon, in Colorado.

There are no settlers, improvements or roads in the township, but numerous stock trails are found, the principal one being the main travelled sheep trail from the summer range to the winter range. It crosses the south boundary of the township near the quarter section corner of sections five and thirty-two, and bears in a westerly direction for about one half mile distant, thence northwesterly across the township.

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Stewart C. Campbell	1st. Assistant.
Glen Loader	2nd. Assistant.
Kermit C. Bradley	Cornerman.
Hans Blohm	Axman.
Clark Green	Flagman.

6—2764

BOOK A-476

CERTIFICATE OF UNITED STATES SURVEYOR.

I, J. C. Clark, U. S. Surveyor, hereby certify upon honor that, in p

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 26th. day of February, 19 21, I have well, faithfully, and

in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In

tions, and the laws of the United States, surveyed all those parts or portions of the West Bound

and the Subdivision of T. 15½ S., R. 26 E.; retracement of the Th

Standard Parallel South, through Range 26 East; establishment of t

Standard Closing Cor. of Tps. 15 and 15½ S., R. 26 E. at the Inter

of the Third Standard Parallel South with the Utah-Colorado State

Line of the 1921 and 1922 Resurvey, and the establishment of a Qua

Section Cor. on the 170th. Mile on the Utah-Colorado State Boundary

on the East Boundary of T. 15½ S., R. 26 E. of the Salt Lake Base

and Meridian, in the State of Utah, which are represented

and date diagram on page 1 of same on the dates shown on said di

the foregoing field notes as having been executed by me, and under my direction, and that all the corners

said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instru

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

such survey. Certified to at Salt Lake City, Utah, March 21, 1925.

J. C. Clark

U. S. Surveyo

APPROVAL.

OFFICE OF THE UNITED STATES ~~SURVEYOR GENERAL~~ Supervisor of Surveys,

Denver, Colorado, June 26, 1926,

The foregoing field notes of the survey of the west boundary and the subdivision of T.15½

R.26 E.; retracement of the Third Standard Parallel South through Range 26 East; esta

lishment of the Standard closing corner of Tps.15 and 15½ S.,R.26 E. at the intersect

of the Third Standard Parallel South with the Utah-Colorado State boundary line of th

1921 and 1922 resurvey, and the establishment of a quarter section corner on the 170t

mile on the Utah-Colorado State boundary line, on the east boundary of T.15½ S.,R.26

of the Salt Lake Base and Meridian, in the State of Utah

executed by J. C. Clark, U. S. Surveyor

under his special instructions dated February 26, 1921, , having be

critically examined, and the necessary corrections and explanations made, the said field notes, and the surve

they describe, are hereby approved.

Supervisor of Surveys. ~~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~~

8—2764

BOOK A-476 "J"

FIELD NOTES

OF THE SURVEY OF THE

SUBDIVISION OF T. 15½ S., R. 25 E., AND THE RETRACEMENT OF THE THIRD STANDARD PARALLEL SOUTH, THROUGH RANGE 25 EAST, ON THE SOUTH BOUNDARY OF SECTION 32.

Of the Salt Lake Base and *Meridian,*

the State of Utah.

EXECUTED BY

J. C. Clark.

the capacity of U. S. Surveyor, under instructions dated February 26 *, 19*21,

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

roup No. 87 *, which were approved by the Commissioner of the General Land*

fice, March 25, 1921 *, 191*

signment Instructions dated May 8, 1922.

pplemental Assignment Instructions dated May 5, 1924.

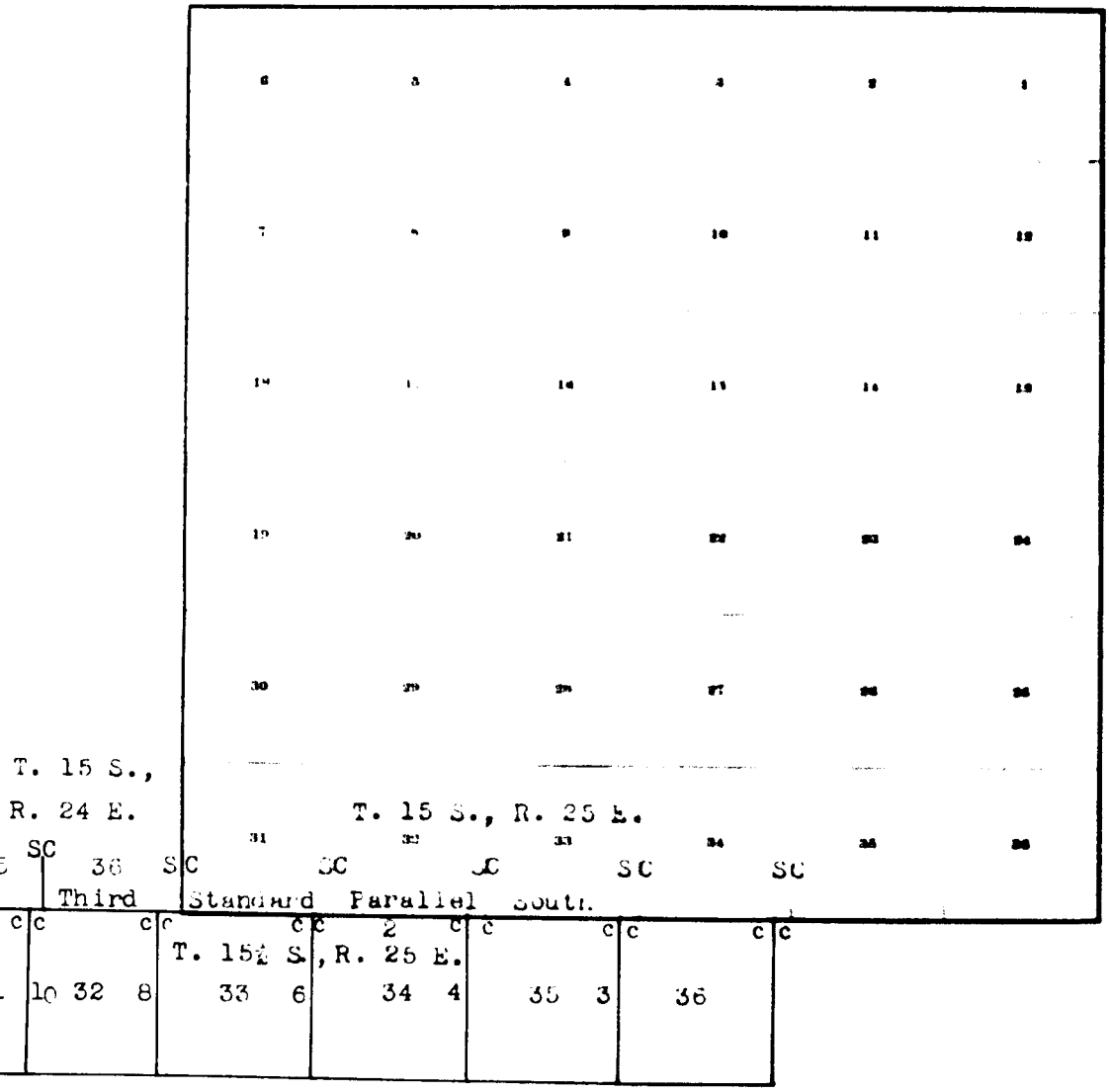
Survey commenced July 20, 1924, *, 191*

Survey completed July 29, 1924, *, 191*

BOOK

INDEX DIAGRAM.

Township . *Range*

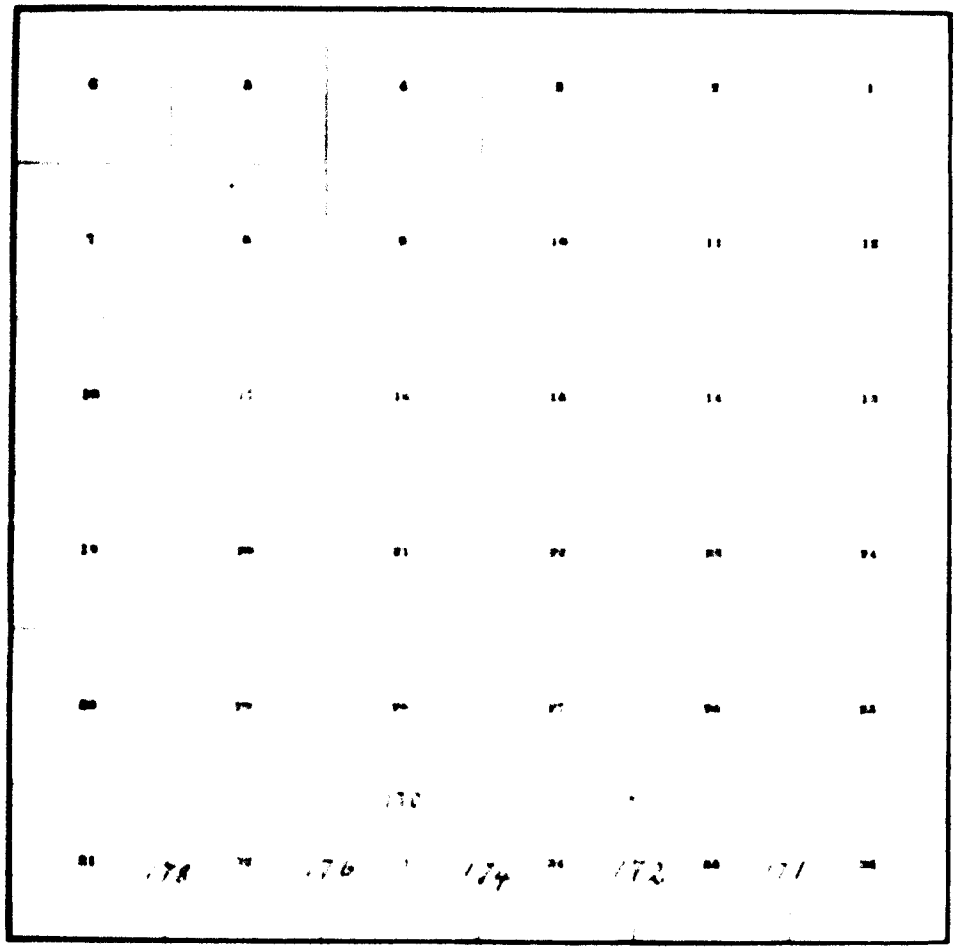


BOOK A-476

4—679 b

INDEX DIAGRAM.

Township 15 1/2 S. *Range* 25 E.

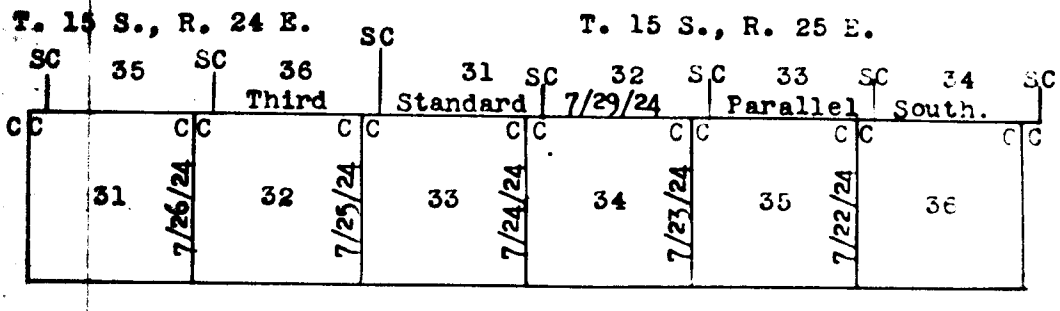


See also diagram p. 108

Tests of Instrument.

Township 15½ South, Range 25 E.

DATE DIAGRAM OF T. 15½ S., R. 25 E.



Survey commenced July 20, 1924, and executed by J. C. Clark, U. S. Surveyor, with a Young and Sons transit No. 8520. The instrument is described and the dates of its approval by the Assistant Supervisor of Surveys of District No. six, and the establishment of a meridian on July 13, 1924, in sec. 6, T. 16 S., R. 26 E., are given at the beginning of the finished field notes of the survey of T. 16 S., R. 26 E. The final test of July 20, 1924, on this meridian and given on pages one and two of the finished field notes of T. 15½ S., R. 26 E., is the initial test for the survey of T. 15½ S., R. 25 E.

Final Test of Instrument.

July 27, 1924, at camp, in sec. 6, T. 16 S., R. 26 E., I test the solar apparatus as follows by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with the meridian established by Polaris observations on July 13, 1924, heretofore described in the finished field notes of the survey of T. 16 S., R. 26 E:

At 9h 0m a. m., apparent time, I set off 39°27' N., on the lat. arc; 19°11' N., on the decl. arc; and determine a meridian with the solar which I find to practically agree with the true meridian.

At apparent noon, I set off 19°10' N., on the decl. arc,

Tests of Instrument.

Township 15½ South, Range 25 East.

Chains.	
	and observe the sun on the meridian; the resulting reading of the lat. arc is 39°27' N., which agrees within a few seconds of the calculated latitude.
	At 3h 0m p. m., apparent time, with the lat. arc unchanged, I set off 19°8' N., on the decl. arc; and note that the meridian determined with the solar falls within one minute of the meridian determined by observations on Polaris.
	As all of the tests made during the hours suitable for solar work come within one minute of the true meridian, I conclude that the instrument has been in adjustment during the survey of this township.
	Observations for latitude and declination were taken whenever practicable, and in computing the declinations of the sun, the refractions were corrected for an altitude above sea level of eighty-three hundred feet.
	All measurements were taken with a five chain Lallie steel tape which was compared with a Lufkin standard one chain steel tape kept for this purpose only; and the distances measured on the slope were reduced to the horizontal by using Keuffel and Esser clinometers.
	Retracement of a Portion of the Third Standard Parallel South, through Range 25 East.
	From the standard cor. of secs. 31 and 32, T. 15 S., R. 25 E., hereinafter described,
	East, on retracement along the Third Standard Parallel South, through Range 25 East, on the S. bdy. of sec. 32.
40.22	Intersect the standard ¼ sec. cor., which is an iron post, 1 in. in diam., extending 27 ins. above ground, firmly set in a large mound of stone, correctly marked, and witnessed on the N. by a mound of stone, 2 ft. base, 1½ ft. high.
80.46	Intersect the standard cor. of secs. 32 and 33, hereinafter described.

Retracement of a Portion of the Third Standard Parallel South, through Range 25 East.

Chains.	
	Therefore, the bearing of this mile is east, and the length of the W. half mile is 40.22 chs., and the E. half 40.24 chs.
	Survey of the Subdivision of T. 15½ S., R. 25 E.
	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 25 E.,
	N.0°01'W., bet. secs. 35 and 36, on true line.
	Over rough mountainous land, through dense undergrowth; desc. abrupt general NE. slope 110 ft.
7.30	Ravine, drains SE.; precipitous ascent of 570 ft. over general S. slope.
30.00	Main ridge or divide bet. the E. Fork of Bitter Creek Canyon on the S., and a fork of Chapeta Canyon on the N., bears NW. about 6.00 chs. dist., thence SW., and SE. about 8.00 chs. dist., thence NE.; abrupt descent of 175 ft. to ¼ sec. cor., along the E. slope of spur, projecting N.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 16 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base, 1½ ft. high, for ¼ sec. cor., with brass cap marked:
	¼ S 35 | S 36 1924
	At the base of the monument, I deposit a sandstone, 6x4x3 ins., marked with a cross (X).
	From this ¼ sec. cor., continue abrupt descent of 190 ft. along general E. slope to closing sec. cor., over draws and low spurs, putting E.
52.00	Leave dense undergrowth, bears E. and W., and enter scattering.
52.20	Enter heavy timber, bears E. and W.

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.	
55.17	Intersect the Third Standard Parallel South, west 7.39 chs. dist. from the standard cor. of secs. 33 and 34, T. 15 S., R. 25 E., which is an iron post, 2 ins. in diam., extending 12 ins. above ground, firmly set, correctly marked and witnessed by two bearing trees, one in each of secs. 33 and 34. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam. 27 ins. in the ground, for closing cor. of secs. 35 and 36, with brass cap marked:

T15S R25E
S 33
S35 | S36
T15½S | R25E
CC
1924

from which,

An aspen, 6 ins. diam., bears S.51°15'E., 12 lks. dist., marked T 15½ S R 25 E S 36 C C B T.

An aspen, 6 ins. diam., bears S.72°30'W., 17 lks. dist., marked T 15½ S R 25 E S 35 C C B T.

Land, steep and mountainous, with outcroppings of sandstone formation; drainage SE. into the E. fork of Bitter Creek Canyon, S. 30.00 chs.; N. 25.17 chs. drain generally N. by a fork of Chapeta Canyon.

Soil, red sand, dark sandy loam and black loam, varying in depth from about 3 ins. to 4 ft., lying on a clay subsoil, or on bedrock.

Timber, aspen.

Undergrowth, oak and buck brush, and service berry bushes; dense young aspen in timber.

Good grazing of grass and browse.

From the cor. of secs. 2, 3, 34 and 35, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 25 E.,

N.0°01'W., bet. secs. 34 and 35, on true line.

Asc. 45 ft. along W. slope of spur, projecting S., through dense undergrowth.

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.	
6.00	Main ridge or divide bet. the Middle Fork of Bitter Creek Canyon on the S., and a fork of Chapeta Canyon on the N., bears N.70°W. and S.70°E.; precipitous descent of 395 ft. over general N. slope.
7.90	Enter a medium growth of aspen timber, bears E. and W.
13.70	Enter heavy balsam timber, bears E. and W.; aspen becomes more scattering.
19.30	Leave balsam timber, bears E. and W.
21.40	Leave aspen timber, bears E. and W.
23.70	Leave undergrowth, bears NW. and SE.
24.10	Base of abrupt descent, bears N.25°W. and S.25°E.; over nearly level bottom of a fork of Chapeta Canyon, draining N.25°W.
31.70	Leave bottom of canyon, begin ascent of 35 ft. over rough general SW. slope, through dense undergrowth.
38.10	Spur, projects W. about 2.00 chs. dist.; desc. 15 ft.
39.80	Draw, drains W.; asc. 5 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 34 | S 35

1924

At the base of the monument, I deposit a sandstone, 4x4x3 ins., marked with a cross (X). Other accessories impracticable.

From this ¼ sec. cor., continue ascent of 120 ft. over rough general SW. slope to

54.99 Intersect the Third Standard Parallel South, west 7.34 chs. dist. from the standard cor. of secs. 32 and 33, T. 15 S., R. 25 E., which is an iron post, 2 ins. in diam., extending 22 ins. above ground, firmly set, correctly marked and witnessed by two bearing trees, one in each of secs. 32 and 33. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 10 ins. in the ground to solid rock, and in a mound of

Chains.

stone, 5 ft. base, 20 ins. high, for closing cor. of secs. 34 and 35, with brass cap marked:

T15S R25E
S 32
S34 | S35
T15½S | R25E
CC
1924

At the base of the monument, I deposit a sandstone, 12x7x3 ins., marked with a cross (X).

Land, abrupt and mountainous with outcroppings of sandstone formation; drainage S. into the Middle Fork of Bitter Creek Canyon, S. 6.00 chs.; drainage generally N. by a fork of Chapeta Canyon, N. 48.99 chs.

Soil, red sand, red sandy loam and a black loam, about 4 ins. to 4 ft. deep, lying on a clay subsoil, or on bedrock.

Timber, aspen and balsam.

Undergrowth, oak and buck brush, and service berry bushes; dense young aspen in timber.

Good grazing of grass and browse.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 25 E.,

N.0°02'W., bet. secs. 33 and 34, on true line.

Asc. SW. slope 5 ft., through dense undergrowth.

0.80 Spur, projects NW. approximately 15.00 chs. dist., thence northerly; abrupt descent of 475 ft. over NW. slope.

17.00 Leave undergrowth of oak and buck brush, and service berry bushes, bears NE. and SW., and enter heavy aspen and balsam timber and chokecherry undergrowth.

23.10 Stream of clear water, 1 lk. wide, 1 in. deep, in the bottom of ravine, draining NE.; asc. 270 ft. over SE. slope.

24.20 Leave timber, bears N.10°E. and S.10°W., and enter dense oak and buck brush, and service berry bushes; ascent

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.	
	becomes more abrupt over outcroppings.
38.60	Spur, projects E. approximately 10.00 chs. dist.; desc. N. slope 20 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 33 | S 34

1924

At the base of the monument, I deposit a sandstone, 8x3x3 ins., marked with a cross (X). Other accessories impracticable.

From this ¼ sec. cor., desc. 320 ft. across the head of draw, draining NE.

49.40	Leave undergrowth of oak and buck brush, bears NE. and SW., and enter heavy aspen and balsam timber.
52.50	Spur, projects northeasterly; desc. general N. slope 60 ft. to
55.33	Intersect the Third Standard Parallel South, west 6.48 chs. dist. from the standard cor. of secs. 31 and 32, T. 15 S., R. 25 E., which is an iron post, 2 ins. in diam., extending 12 ins. above ground, firmly set, correctly marked and witnessed on the N. by a mound of stone, 2 ft. base, 1½ ft. high, and by one bearing tree in sec. 31. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for closing cor. of secs. 33 and 34, with brass cap marked:

T15S R25E
S 31
S33 | S34
T15½S | R25E
CC
1924

from which,

An aspen, 8 ins. diam., bears S.8°E., 17 lks. dist., marked T 15½ S R 25 E S 34 C C B T.

An aspen, 8 ins. diam., bears S.39°45'W., 22 lks. dist., marked T 15½ S R 25 E S 33 C C B T.

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.	
	Land, abrupt and mountainous with outcroppings of sandstone formation; general drainage NW. to Chapeta Canyon, S. 0.80 chs.; N. 54.53 chs. drain NE. to fork of Chapeta Canyon, thence NW.
	Soil, red sand, red sandy loam and black loam, about 6 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock.
	Timber, aspen and balsam.
	Undergrowth, oak and buck brush, service berry and chokecherry bushes.
	Good grazing of grass and browse.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 25 E.,
	N.0°03'W., bet. secs. 32 and 33, on true line.
	Asc. 15 ft. along SE. slope, through dense undergrowth.
6.00	Spur, projects E. approximately 6.00 chs. dist.; desc. abruptly 280 ft. over general NW. slope.
10.00	East approximately 8.00 chs. dist., a small stream of good clear water rises in the bottom of Sweetwater Canyon.
18.40	Leave undergrowth, bears E. and W., and enter heavy aspen timber.
20.90	Leave timber, bears E. and W., and enter dense undergrowth.
21.20	Ravine, from SW., drains E. about 2.00 chs. dist. to Sweetwater Canyon; asc. gradual S. slope 20 ft.
29.00	Spur, projects E. about 1.00 chs. dist.; desc. along W. side of Sweetwater Canyon 40 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 32 | S 33

1924

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains	
	from which,
	An aspen, 14 ins. diam., bears S.55°45'E., 644 lks. dist., marked ¼ S 33 B T.
	An aspen, 5 ins. diam., bears N.22°45'W., 55 lks. dist., marked ¼ S 32 B T.
41.00	Base of descent, 25 ft. below ¼ sec. cor., bears NW. and SE.; leave undergrowth, bears NW. and SE.; over level bottom of Sweetwater Canyon.
42.10	Stream of good clear water, 2 lks. wide, 3 ins. deep, in wash, 25 lks. wide, 4 ft. deep, course N.30°W.
43.25	From this point, the SE. corner of a log cabin, 18x14 ft., bears N.46°30'W. 4.06 chs. dist.; also, from this point, a large spring of good cold water, bears S.88°W. 1.92 chs. dist.; from the NW. corner of the log cabin, a small spring of good cold water, bears northwesterly 0.75 chs. dist.
47.00	Leave bottom of canyon, bears NW. and SE.; enter dense undergrowth, bears NW. and SE.; begin ascent of 80 ft. over rough SW. slope to
55.89	Intersect the Third Standard Parallel South, west 6.69 chs. dist. from the standard cor. of Tps. 15 S., Rs. 24 and 25 E., which is an iron post, 3 ins. in diam., extending 12 ins. above ground, firmly set in a mound of stone, 2 ft. base, 10 ins. high, correctly marked and witnessed on the N. by a mound of stone, 2 ft. base, 1½ ft. high. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 18 ins. in the ground to solid rock, and in a mound of stone, 4 ft. base, 16 ins. high, for closing cor. of secs. 32 and 33, with brass cap marked:

T15S R24E
S36
S32 | S33
T15½S | R25E
C.C
1924

At the base of the monument, I deposit a sandstone, 18x4x3 ins., marked with a cross (X).

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.	
	Land, abrupt and mountainous, draining generally NW. by Sweetwater Canyon; outcroppings of sandstone formation.
	Soil, red sand and sandy loam, about 6 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock, on slopes; sandy loam and black loam several ft. deep, in the bottoms of ravines and Sweetwater Canyon.
	Timber, aspen; a few scattering balsam.
	Undergrowth, oak and buck brush, sagebrush, service berry and chokecherry bushes.
	Excellent growth of grass and browse.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., heretofore described in the finished field notes of the survey of the N. bdy. of T. 16 S., R. 25 E.,
	N.0°03'W., bet. secs. 31 and 32, on true line.
	Desc. abrupt NW. slope 350 ft., through dense undergrowth.
4.00	Leave undergrowth, bears NE. and SW., and enter heavy timber.
5.30	Leave timber, bears NE. and SW., and enter dense undergrowth.
11.70	Leave undergrowth, bears NW. and SE., and enter heavy timber.
16.80	Ravine, drains W.; a small spring bears E. 10 lks. dist.; abrupt ascent of 265 ft. along general W. slope.
17.00	Leave timber, bears N.10°W. and S.10°E., and enter dense undergrowth.
36.50	Spur, projects W. approximately 12.00 chs. dist.; desc. 85 ft. to ¼ sec. cor.
38.30	Leave undergrowth, bears E. and W., and enter heavy timber.
40.00	On a N. slope, set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.

$\frac{1}{4}$

S 31 | S 32

1924

from which,

An aspen, 4 ins. diam., bears S.76°15'E., 7 lks. dist., marked ¼ S 32 B T.

An aspen, 4 ins. diam., bears N.61°45'W., 14 lks. dist., marked ¼ S 31 B T.

41.30 Leave timber, bears NW. and SE., and enter dense undergrowth.

46.20 Draw, 110 ft. below ¼ sec. cor., drains W.; asc. general W. slope 115 ft. to

56.14 Intersect the Third Standard Parallel South, west 7.02 chs. dist. from the standard cor. of secs. 35 and 36, T. 15 S., R. 24 E., which is an iron post, 2 ins. in diam., extending 24 ins. above ground, firmly set in a mound of stone, 3 ft. base, 1½ ft. high, correctly marked and witnessed on the N. by a small mound of stone, and by one bearing tree in sec. 35. At the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 12 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base, 1½ ft. high, for closing cor. of secs. 31 and 32, with brass cap marked:

T15S R24E
S35

S31 | S32
T15½S | R25E
CC

1924

from which,

A pinon pine, 12 ins. diam., bears S.71°15'W., 236 lks. dist., marked T 15½ S R 25 E S 31 C C B T.

At the base of the monument, I deposit a sandstone, 14x5x3 ins., marked with a cross (X), as there are no other trees available.

Land, line runs along the E. side of a fork of Sweetwater Canyon, draining N.; outcroppings of sandstone formation.

Soil, red sand, red sandy loam and black loam, about 6

Survey of the Subdivision of T. 15½ S., R. 25 E.

Chains.

ins. to 4 ft. deep, lying on a clay subsoil, or on bed rock.

Timber, heavy growth of aspen and scattering balsam.

Undergrowth, oak and buck brush, sagebrush, service berry and chokecherry bushes.

Good grazing of grass and browse.

Latitudes, Departures and Closing Errors.

Line Designated.	True Bearing.	Distance.	Latitudes.		Departures.	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
West bdy. of Tp.	North	56.73	56.73			
Portions of Third St. Par. S. through Rs. 24 and 25 E.	East	476.44			476.44	
East bdy. of Tp.	South	54.97		54.97		
South bdy. of Tp.	S.89°52'W.	477.12		1.12		477.12
Convergency					0.07	
Totals			56.73 56.09	56.09	476.51	477.12 476.51
Errors in lat. and dep.			0.61			0.61

General Description.

This township is located in the Book Mountains, and on top of the main divide between Green River to the north and the Colorado River to the south. Portions of sections thirty-two, thirty-four, thirty-five and thirty-six have a general southern exposure and are drained south, southwest and southeast by East, Bitter Creek and Cottonwood Canyons, while the greater part of the township has a general northern exposure and is drained north by Sweetwater and Chapeta Canyons, and forks of Railroad, Sweetwater and Chapeta Canyons. Sandstone is exposed in the form of outcroppings on all of the sections, and the sides of the canyons are very abrupt, but only part of the township may be classed as rough mountainous. There is very little bottom land, as the bottoms of nearly all of the canyons are narrow. The approximate range of elevation above sea level is eighty-three hundred feet, and the general average of the magnetic declination throughout

General Description.

Chains.

the township is fifteen degrees and forty minutes east. There are no indications of oil, coal or other mineral.

On the slopes, the soil is a red sand, sandy loam and a black loam, about three inches to three feet deep, lying on a clay subsoil, or on bedrock; first to fourth rate. Dark or black loam several feet deep is found in the bottoms of some of the ravines and canyons; first rate.

Dense undergrowth of oak and buck brush, sagebrush, service berry and chokecherry bushes covers the township, and patches of heavy aspen and scattering balsam timber grow on the sides and in the heads of nearly all of the ravines and canyons.

None of the land is suitable for farming, except small tracts in the bottoms of some of the canyons, that could be cultivated for truck gardening. But the township as a whole is more adapted for grazing purposes, and there is a fair to an excellent growth of grass and browse on all of the sections. The greater part of the sections is more suitable for grazing cattle and horses than for sheep, owing to the dense undergrowth and scarcity of water; and at present the land is being used as a summer range for cattle. Part of the stock that graze on this portion of the range trail to water located in the townships adjoining on the north and south. The water is located in this township as follows: A small spring of good clear water rises in the bottom of a fork of Sweetwater Canyon in the southwest quarter of the southeast quarter of section thirty-one. A small spring of good clear water rises in the bottom of a ravine in the southwest quarter of the southwest-quarter of section thirty-two. A stream of water rises in the southwest quarter of the southwest quarter of section thirty-three and flows through the west half of the southwest quarter and lot four of

General Description.

section thirty-three, and lot one of section thirty-two. Two large springs of good, cold, clear water rise in lot one of section thirty-two. These springs and the stream last mentioned flow in the bottom of Sweetwater Canyon. A small stream in the bottom of a ravine rises in the southeast quarter of the southeast quarter of section thirty-three and flows through the east half of the southeast quarter of section thirty-three and the northwest quarter of the southwest quarter of section thirty-four. A small spring of alkali water rises in the bottom of a ravine in lot one of section thirty-six.

There are no settlers, improvements nor roads in the township, but there are numerous stock trails. The main well travelled sheep and cattle trail follows along the top of the main divide.

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Stewart C. Campbell	1st. Assistant.
Glen Leader	2nd. Assistant.
Kermit C. Bradley	Cornerman.
Hans Blohm	Axman.
Clark Green	Flagman.

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, J. C. Clark, U. S. Surveyor, hereby certify upon honor that, in pu[illegible] of special instructions received from the U. S. Surveyor General for Utah bearing date of the 26th. day of February, 1921, I have well, faithfully, and [illegible] in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In[illegible] and the laws of the United States, surveyed all those parts or portions of the Subdivision of T. 15½ S., R. 25 E., and the retracement of the Third Standard Parallel South, through Range 25 East, on the South Boundary of Section 32

of the Salt Lake [illegible] Base and Meridian, in the State of Utah, which are represente[illegible] and into diagram on page 1 of same on the dates shown on said dia[illegible] [illegible] field notes as having been executed by me, and under my direction; and that all the corne[illegible] have been established and perpetuated in strict accordance with the Manual of Surveying Inst[illegible] the special written instructions of the U. S. Surveyor General for Utah [illegible] specific manner described in the field notes, and that the foregoing are the original field note[illegible]

Certified to at Salt Lake City, Utah.
March 31, 1925.

J. C. Clark
U. S. Surve[illegible]

APPROVAL.

Office of the United States ~~Surveyor General~~ Supervisor of Surveys.,

Denver, Colorado, June 26, 1926, [illegible]

The foregoing field notes of the survey of the subdivision of T. 15½ S., R. 25 E., and the retracement of the Third Standard Parallel South through Range 25 East, on the south boundary of section 32, of the Salt Lake Base and Meridian, in the State of Utah.

[illegible] J. C. Clark, U. S. Surveyor

[illegible] special instructions dated February 26, 1921, ~~xxx~~, having b[illegible] [illegible] examined and the necessary corrections and explanations made, the said field notes, and the surv[illegible] are hereby approved

[illegible] Johnson
Supervisor of Surveys. ~~[illegible]~~

~~I [illegible] that the foregoing transcript of the field notes of the above described surveys in~~ [illegible]

~~have been correctly copied from the original notes on file in this office.~~

~~U. S. Surveyor Gene[illegible]~~

4—679

BOOK A-476 "H"

RECEIVED
MAR 17 1926
District Cadastral Engineer,
Salt Lake City, Utah

FIELD NOTES

OF THE SURVEY OF THE

UTH AND NORTH BOUNDARIES, AND THE SUBDIVISION OF T. 16 S., R. 26 E.;
TRACEMENT OF THE UTAH-COLORADO STATE BOUNDARY LINE FROM THE 163rd.
LE CORNER TO THE WITNESS CORNER OF THE 169th. MILE CORNER OF THE
21 RESURVEY, AND THE ESTABLISHMENT OF QUARTER SECTION CORNERS ON THE
AH-COLORADO STATE BOUNDARY LINE, ON THE EAST BOUNDARY OF T. 16 S.,
26 E.

Of the Salt Lake Base and *Meridian,*

the State of Utah.

EXECUTED BY

J. C. Clark

the capacity of U. S. Surveyor, under instructions dated February 26, *19*21

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

up No. 87, *which were approved by the Commissioner of the General Land*

ce, March 25, 1921, *191*, *pursuant to authority contained in the Act of*

ignment Instructions dated May 8, 1922.

gress dated , *191*

plemental Assignment Instructions dated May 5, 1924.

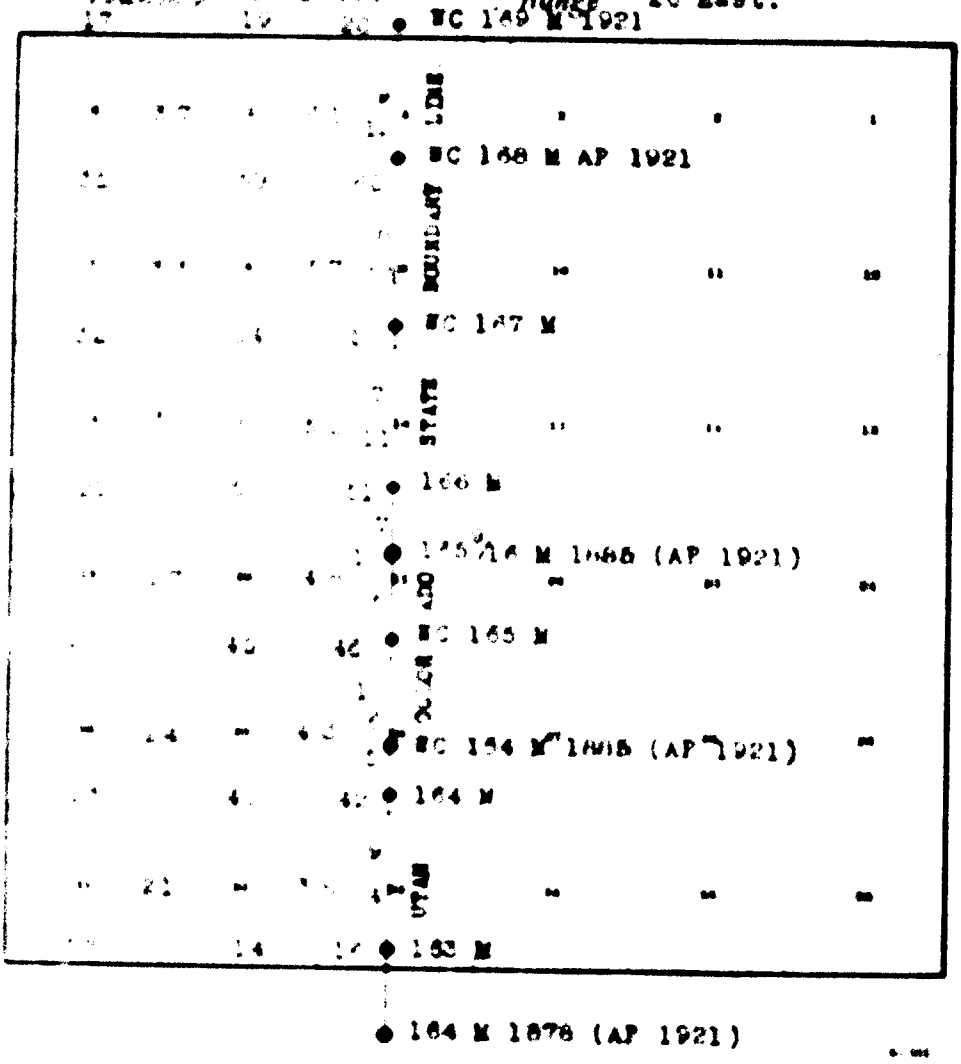
Survey commenced May 28, 1924, *191*

Survey completed July 15, 1924., *191*

6—151

INDEX DIAGRAM.

Township 16 South *Range* 26 East.

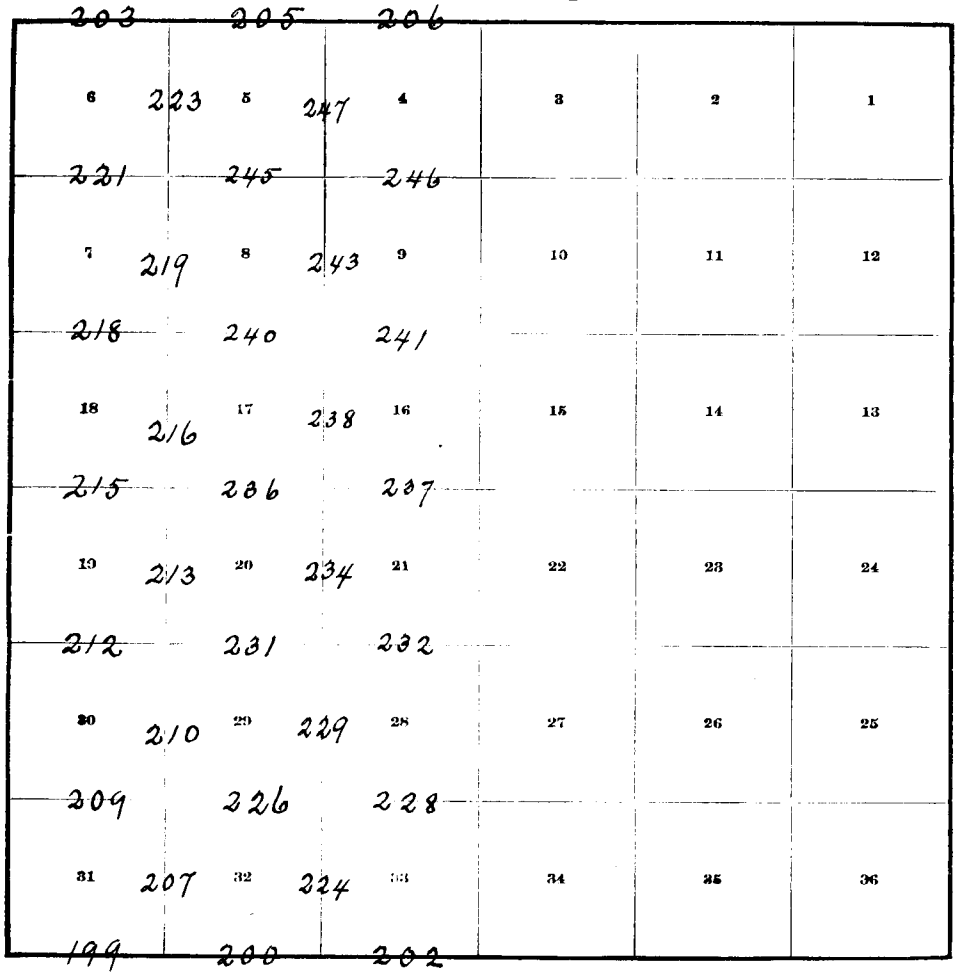


BOOK A-476

4—679 b

INDEX DIAGRAM.

Township 16 S., Range 26 E.



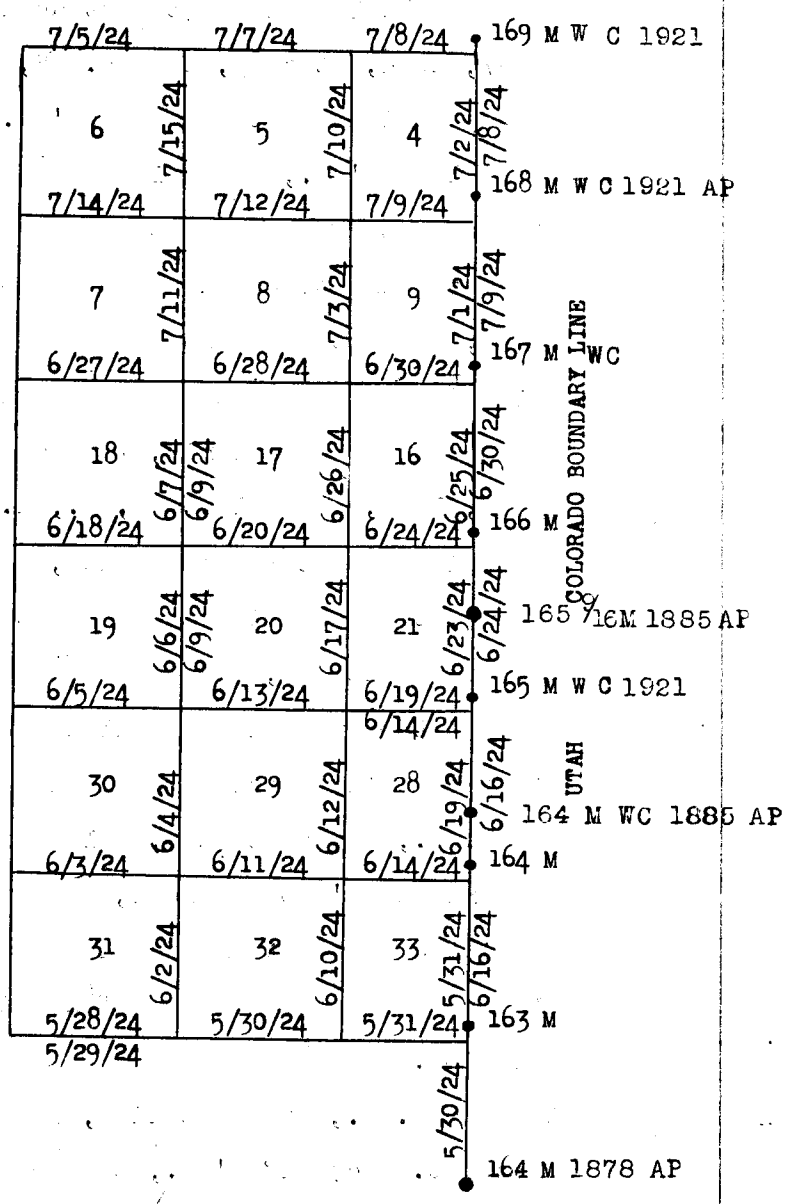
6—1817

Retracement Utah-Colorado State Bdy. 190-198.

DATE DIAGRAM

OF

T. 16 S., R., 26 E.



Survey commenced May 28, 1924, and executed by J. C. Clark, U. S. Surveyor, with a Young and Sons transit No. 8520. The instrument is equipped with a Smith solar attachment and full vertical circle, the horizontal limb being provided with two double verniers placed opposite to each other and reading to single

Township 16 South, Range 26 East.
Tests of Instrument.

minutes of arc, which is also the least count of the verniers of the latitude and declination arcs, and vertical circle.

The instrument was approved for use on this survey, conditional upon satisfactory field tests, by the Assistant Supervisor of Surveys for District No. 6, in Assignment Instructions dated May 8, 1922, and in Supplemental Assignment Instructions dated May 5, 1924

May 27, 1924, at camp, in sec. 32, T. 16 S., R. 26 E., in approximate latitude 39°23' N., approximate longitude 109°05' W., I examine the adjustments of the instrument and correct the errors in the plate levels and the line of collimation of the main telescope. Then, to test the solar apparatus by comparing its indications hourly with a true meridian established by observations on Polaris, I proceed as follows:

May 28, 1924, at 3h 14.3m 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 with a nail in a stake driven firmly in the ground about eight chains N. of my station.

At 7 a. m., apparent time, I lay off the azimuth of Polaris 1°26' to the west, and mark a point in the meridian thus determined with a nail in a peg set firmly in the ground approximately eight chains N. of my station.

At 9h 0m a. m., apparent time, I set off 39°23' N., on the lat. arc; 21°30' N., on the decl. arc; and determine a meridian with the solar which I find to agree within a few seconds of the true meridian.

At apparent noon, with the lat. arc unchanged, I observe the sun on the meridian; the resulting reading of the decl. arc is 21°31' N., which agrees with the computed declination of the sun.

Township 16 South, Range 26 East.

Tests of Instrument.

At 3h 0m p. m., apparent time, with the lat. arc unchanged, I set off 21°32' N., on the decl. arc; and note that the line determined with the solar falls about 30" east of the meridian obtained by observations on Polaris.

As all of the solar observations during the usual hours of solar work come within 1' of the true meridian, I conclude that the adjustments of the instrument are satisfactory.

Final Test of Instrument.

July 13, 1924, at camp, in sec. 6, T. 16 S., R. 26 E., at 0h 14.2m 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 with a nail in a peg driven firmly in the ground about seven chains N. of my station.

At 7 a. m., apparent time, I lay off the azimuth of Polaris 1°26' to the west, and mark a point in the meridian with a nail in a stake set firmly in the ground approximately seven chains N. of my station.

At 9h 0m a. m., apparent time, I set off 39°27' N., on the lat. arc; 21°49' N., on the decl. arc; and determine a meridian with the solar which practically coincides with the true meridian.

At apparent noon, I set off 21°48' N., on the decl. arc, and observe the sun on the meridian; the resulting reading of the lat. arc is 39°27' N., which agrees within one half minute of the calculated latitude.

At 3h 0m p. m., apparent time, with the lat. arc unchanged, I set off 21°47' N., on the decl. arc; and determine a meridian with the solar which falls within 30" of the meridian established from observations on Polaris.

As all of the tests during the hours suitable for solar

Chains.

work practically coincide with the meridian obtained by observations on Polaris, I conclude that the instrument has been in adjustment during the survey of this township.

A meridian was also established by an hour angle observation on Polaris June 16, 1924, at the 164th. mile cor. on the Utah-Colorado Boundary Line. Latitude and declination tests were taken whenever practicable, and in computing the declinations of the sun, the refractions were corrected for altitudes varying from sixty-five hundred to eighty-three hundred feet. The instrument was tested repeatedly on the Polaris meridians; all measurements were taken with five chain Lallie steel tapes which were compared frequently with a Lufkin standard one chain steel tape kept for this purpose only, and the distances measured on the slope were reduced to the horizontal by using Keuffel and Esser clinometers.

Retracement of the Utah-Colorado State Boundary Line.

From the 163rd. mile cor. of the 1921 resurvey, which is an iron post, 3 ins. in diam., extending 12 ins. above ground, firmly set, and marked on brass cap:

163
M
U | C
T | O
A | L
H | O
1921

and witnessed on the N. by a mound of stone, 4 ft. base, 2 ft. high.,

Retracement for distance only, along the Utah-Colorado State Boundary Line, on the 164th. mile of the 1921 resurvey.

81.53 The 164th. mile cor., which is an iron post, 3 ins. in diam., extending 16 ins. above ground, firmly set, and marked on brass cap:

Retracement of the Utah-Colorado State Boundary Line.

Chains.

164 M
U O
T L
A O
H C
1921

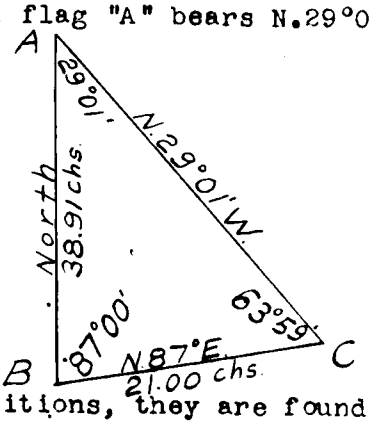
and witnessed on the N. by a mound of stone, 3 ft. base, 2 ft. high.

Therefore, the length of the 164th. mile is 81.53 chs.

From the 164th. mile cor. of the 1921 resurvey,

Retracement for distance only, on the 165th. mile.

N. of this cor. approximately 19.00 chs. dist., chaining is impracticable, owing to the line passing over two nearly perpendicular ledges, each about 150 ft. high, bearing N.80°W. and S.80°E.; therefore, I determine the distance by triangulation as follows: North approximately 25.00 chs. dist. from the 164th. mile cor., set a flag "A" on top of spur; then, as there is no suitable place for a base line at this cor., I measure S. 14.46 chs. dist. to a point "B", where I lay off a base line N.87°E. 21.00 chs. dist. to a flag "C". From the E. end of the base line, flag "A" bears N.29°01'W., and from flag "A", flag "C" bears S.29°01'E. All bearings are checked by direct reading of the solar, and by separate measurement of each angle by deflection by three repetitions, they are found respectively 87°00', 63°59' and 29°01'; and their sum is equal to 180°00'.



Dist. by triangulation---------- =38.91 chs.
Dist. from 164th. mile cor. to flag "B"-- =14.46' "
Dist. from 164th. mile cor. to flag "A"-- =24.45' ".

Thence, south 0.44 chs. dist. by direct measurement from flag "A" to

24.01 The witness cor. to the 164th. mile cor., of the 1885 resurvey, which is a sandstone, 28x14x4 ins. above

Chains.

ground, firmly set in a mound of stone, 3 ft. base, 2 ft. high, marked 1885 on N., 164 M on S., C on E. and U on W. faces, and witnessed on the N. by a mound of stone, 4 ft. base, 3 ft. high.

This witness cor. is a point on the line of the 1878 survey, and is designated as an angle point of the 1921 resurvey.

Therefore, the length of the line from the 164th. mile cor. of the 1921 resurvey to the witness cor. of the 164th. mile cor. of the 1885 resurvey, which is identical with the angle point of the 1921 resurvey, is 24.01 chs.

From the witness cor. to the 164th. mile cor. of the 1885 resurvey or the angle point of the 1921 resurvey,

Retracement for distance only, on the 165th. mile.

51.99 The witness cor. to the 165th. mile cor., which is an iron post, 3 ins. in diam., 3 ft. long, firmly set in a mound of stone, 4 ft. base, 3 ft. high, on top of a perpendicular ledge, 25 ft. high, bearing NW. and SE., and marked on brass cap:

165 M
W | C
UTAH | COLO
1921

No evidence of accessories.

Therefore, the length of the line from the witness cor. of the 164th. mile cor. of the 1885 resurvey to the witness cor. of the 165th. mile cor. of the 1921 resurvey is 51.99 chs.; and the length of the 165th. mile of the 1921 resurvey, from the 164th. mile cor. to the witness cor. of the 165th. mile cor., is 76.00 chs.

Retracement with continuous measurement on 166th. mile.

101.24 The 165 9/16th. mile cor. of the 1885 resurvey, which is a sandstone, 28x14x3 ins., firmly set in a mound of stone, 4 ft. base, 1½ ft. high, and marked C 1885 on E. and U 165 9/16 M on W. faces. No evidence of accessories.

Retracement of the Utah-Colorado State Boundary Line.

Chains.

This cor. is a point on the line of the 1878 survey, and is designated as an angle point on the line of the 1921 resurvey.

Therefore, the length of the line from the witness cor. to the 165th. mile cor. of the 1921 resurvey to the 165 15/16th. mile cor. of the 1885 resurvey is 49.25 chs.; and the length of the line from the angle point or witness cor. to the 164th. mile cor. of the 1885 resurvey, to the angle point or 165 15/16th. mile cor. of the 1885 resurvey is 101.24 chs.

From the 165 15/16th. mile cor. of the 1885 resurvey or the angle point of the 1921 resurvey,

Retracement for distance only, on the 166th. mile.

32.61 The 166th. mile cor., which is an iron post, 3 ins. in diam., extending 18 ins. above ground, firmly set, and marked on brass cap:

166 M
UTAH | COLO
1921

and witnessed on the N. by a rock, 36x12x4 ins., set in a mound of stone, 4 ft. base, 1½ ft. high.

Therefore, the length of the line from the 165 15/16th. mile cor. of the 1885 resurvey to the 166th. mile cor. of the 1921 resurvey is 32.61 chs.; and the length of the 166th. mile of the 1921 resurvey from the witness cor. to the 165th. mile cor. to the 166th. mile cor. is 81.86 chs.

Retracement with continuous measurement, on the 167th. mile.

112.49 The witness cor. to the 167th. mile cor., which is an iron post, 3 ins. in diam., extending 24 ins. above ground, firmly set in a mound of stone, 2½ ft. base, 1½ ft. high, and marked on brass cap:

Retracement of the Utah-Colorado State Boundary Line.

Chains.

167MP
U | O
T | L
A | O
H | C
1921

and witnessed on the N. by a mound of stone, 2 ft. base, 1 ft. high. Cor. not marked W C.

Therefore, the length of the 167th. mile of the 1921 resurvey from the 166th. mile cor. to the witness cor. to the 167th. mile cor. is 79.88 chs.

Retracement with continuous measurement, on the 168th. mile.

200.31 The witness cor. to the 168th. mile cor. of the 1885 resurvey is a cross (X) chiseled into surface rock, and the cor. point is marked on bedrock as follows:

1885

U X C

168 M
WC

and witnessed on the N. by a small mound of stone.

Retracement with continuous measurement, on the 168th. mile.

200.52 The witness cor. to the 168th. mile cor. of the 1921 resurvey, which is an iron post, 3 ft. long, 3 ins. in diam., firmly set on bedrock, in a mound of stone, 3½ ft. base, 2½ ft. high, and marked on brass cap:

168
M P
W | C
UTAH | COLO
1921

No evidence of accessories.

This cor. is established on a flag point or signal on the line of the 1878 survey, and is also designated as an angle point of the 1921 resurvey.

Therefore, the length of the 168th. mile of the 1921 resurvey, from the witness cor. of the 167th. mile cor. to the witness cor. of the 168th. mile cor. is 88.03 chs.; and the length of the line from the 165 9/16th.

Retracement of the Utah-Colorado State Boundary Line.

Chains.

mile cor. of the 1885 resurvey or angle point to the witness cor. to the 168th. mile cor. or angle point of the 1921 resurvey is 200.52 chs.

From the witness cor. to the 168th. mile cor. or angle point of the 1921 resurvey,

Retracement for distance only, on the 169th. mile.

69.57 The witness cor. to the 169th. mile cor., which is an iron post, 3 ft. long, 3 ins. in diam., firmly set in a mound of stone, 3 ft. base, 2 ft. high, and marked on brass cap:

169 M P
UTAH | COLO
1921

Cor. not marked W C; no evidence of accessories.

Therefore, the length of the 169th. mile of the 1921 resurvey, from the witness cor. of the 168th. mile cor. or angle point of the 1921 resurvey to the witness cor. of the 169th. mile cor., is 69.57 chs.

Establishment of Quarter Sec. Cors. on Utah-Colorado State Boundary Line.

From the 163rd. mile cor., hereinbefore described, of the 1921 resurvey,

N.0°24'W., according to record course, along the Utah-Colorado State Boundary Line, as defined by the said 163rd. mile cor. and the 164th. mile cor., hereinbefore described, of the 1921 resurvey.

36.365 Point midway bet. the closing cor. of Tps. 16 and 17 S., R. 26 E., and the true point for the closing cor. of secs. 28 and 33, hereinafter described.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor. of sec. 33, with brass cap marked:

S 33 ¼ | COLO
1924

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

Chains.	
	From the witness cor. to the 164th. mile cor., hereinbefore described, of the 1885 resurvey or angle point of the 1921 resurvey,
	North, according to record course, along the Utah-Colorado State Boundary Line, as defined by the said witness cor. to the 164th. mile cor. and the witness cor. to the 165th. mile cor., hereinbefore described, of the 1921 resurvey.
10.765	Point midway bet. the true point for the closing cor. of secs. 28 and 33, and the closing cor. of secs. 21 and 28, hereinafter described.
	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins. in the ground to solid rock, and in a mound of stone, 5 ft. base, 2 ft. high, for ¼ sec. cor. of sec. 28, with brass cap marked:
	S 28 ¼ | COLO 1924
	from which,
	A cedar, 3 ins. diam., bears S.13°W., 65 lks. dist., marked B T.
	A cedar limb, 4 ins. diam., bears N.43°W., 85 lks. dist., marked ¼ S 28 B T.
	From the witness cor. to the 165th. mile cor. of the 1921 resurvey,
	North, according to record course, along the Utah-Colorado State Boundary Line, as defined by the said witness cor. to the 165th. mile cor. and the 165 9/16 th. mile cor., hereinbefore described, of the 1885 resurvey or angle point of the 1921 resurvey:
38.74	Point midway bet. the closing cors. of secs. 21 and 28, and 16 and 21, hereinafter described.
	Set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, and in a mound of stone, 6 ft. base, 2 ft. high, for ¼ sec. cor. of sec. 21, with brass cap marked:

Establishment of Quarter Sec. Cors. on Utah-Colorado State Boundary Line.

Chains.

S 21 ¼ | COLO
1924

At the base of the monument, I deposit a sandstone, 8x5x3 ins., marked with a cross (X). Other accessories impracticable.

From the 166th. mile cor., hereinbefore described, of the 1921 resurvey,

N.0°11'W., according to record course, along the Utah-Colorado State Boundary Line, as defined by the said 166th. mile cor. and the witness cor. to the 167th. mile cor., hereinbefore described, of the 1921 resurvey.

36.845 Point midway bet. the closing cors. of secs. 16 and 21, and 9 and 16, hereinafter described.

Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor. of sec. 16, with brass cap marked:

S 16 ¼ | COLO
1924

from which,

A pinon pine, 14 ins. diam., bears S.31°W., 36 lks. dist., marked ¼ S 16 B T.

A cedar limb, 9 ins. diam., bears N.45°W., 48 lks. dist., marked ¼ S 16 B T.

From the witness cor. to the 167th. mile cor. of the 1921 resurvey,

N.0°11'W., according to record course, along the Utah-Colorado State Boundary Line, as defined by the said witness cor. to the 167th. mile cor. and the witness cor. to the 168th. mile cor. or angle point, hereinbefore described, of the 1921 resurvey.

36.91 Point midway bet. the closing cors. of secs. 9 and 16, and 4 and 9, hereinafter described.

Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in

Chains.

the ground to bedrock, and in a mound of stone, 3 ft. base, 8 ins. high, for ¼ sec. cor. of sec. 9, with brass cap marked:

S 9 ¼ | COLO
1924

from which,

A cedar, 8 ins. diam., bears S.46°W., 132 lks. dist., marked ¼ S 9 B T.

A pinon pine, 18 ins. diam., bears N.36°W., 142 lks. dist., marked ¼ S 9 B T.

From the witness cor. to the 168th. mile cor. or angle point of the 1921 resurvey,

N.0°03'E., according to record course, along the Utah-Colorado State Boundary Line, as defined by the said witness cor. to the 168th. mile cor. or angle point and the witness cor. to the 169th. mile cor., hereinbefore described, of the 1921 resurvey.

28.89 Northing of 40.00 chs. from the closing cor. of secs. 4 and 9.

Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for ¼ sec. cor. of sec. 4, with brass cap marked:

S 4 ¼ | COLO
1924

from which,

A pinon pine, 10 ins. diam., bears N.67°30'W., 138 lks. dist., marked ¼S4 B T.

At the base of the monument, I deposit a sandstone, 8x4x1 ins., marked with a cross (X), as there are no other trees available.

Survey of the South Boundary of T. 16 S., R. 26 E.

From the cor. of Tps. 16 and 17 S., Rs. 25 and 26 E., which is an iron post, 3 ins. in diam., extending 9 ins. above ground, firmly set, correctly marked, and

Survey of the South Boundary of T. 16 S., R. 26 E.

Chains.	
	witnessed by four bearing trees, one in each sec.
	East, on a true line along the S. bdy. of T. 16 S., R. 26 E., bet. secs. 6 and 31.
	Over rolling low spurs and draws, putting S., through scattering timber and undergrowth; asc. W. slope 15 ft.
3.70	Spur, projects S. about 20.00 chs. dist.; desc. 55 ft.
17.30	Dry wash, 25 lks. wide, 7 ft. deep, in the bottom of draw, drains S.; asc. 40 ft.
25.80	Spur, projects S. about 5.00 chs. dist.; desc. 20 ft.
33.50	Dry wash, 20 lks. wide, 6 ft. deep, in the bottom of draw, drains SE.; asc. 15 ft.
38.80	Spur, projects SE. approximately 4.00 chs. dist.; desc. gradual NE. slope 10 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:
	¼ S 31 / S 6 1924
	from which,
	A cedar, 12 ins. diam., bears N.42°30'E., 246 lks. dist., marked ¼ S 31 B T.
	A cedar, 8 ins. diam., bears N.66°30'E., 260 lks. dist., marked ¼ S 31 B T.
	All trees available in sec. 6 are too scrubby for marking.
	From this cor., a high peak that can be seen for several miles distant from the surrounding country, bears N.13°45'E. approximately 50.00 chs. dist.
40.60	Draw, 10 ft. below ¼ sec. cor., drains S.; asc. 25 ft.
44.00	Low ridge, bears N. and S.; desc. 65 ft.
57.80	Dry wash, 30 lks. wide, 10 ft. deep, in the bottom of draw, drains SE.; asc. 15 ft.
60.40	Spur, projects S. about 5.00 chs. dist.; desc. 10 ft.
65.20	Dry wash, 15 lks. wide, 4 ft. deep, in the bottom of draw, drains S.; asc. 25 ft.
78.50	Spur, projects S. approximately 8.00 chs. dist.; desc. gradual E. slope 15 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.

Survey of the South Boundary of T. 16 S., R. 26 E.

Chains.	
	in the ground to solid rock, and in a mound of stone, 3 ft. base, 10 ins. high, for cor. of secs. 5, 6, 31 and 32, with brass cap marked: T16S | R26E S31 | S32 S6 | S5 T17S 1924 from which, A cedar, 9 ins. diam., bears N.56°E., 309 lks. dist., marked T 16 S R 26 E S 32 B T. A cedar, 8 ins. diam., bears S.83°E., 274 lks. dist., marked T 17 S R 26 E S 5 B T. A cedar, 3 ins. diam., bears S.62°45'W., 201 lks. dist., marked B T. A cedar limb, 6 ins. diam., bears N.14°30'W., 220 lks. dist., marked T 16 S R 26 E S 31 B T. Land, low rolling spurs, ridges and draws, putting S.; southern exposure and drainage; outcroppings of light colored sandstone and shale formation. Soil, gravelly, light red sandy loam, about 2 to 3 ft. deep, lying on a hard dark clay or on a fine shale, on slopes; red sandy loam, several ft. deep, in the bottoms of draws; 1st. and 2nd. rate. Undergrowth, scattering sagebrush, shadscale, greasewood and yellow top. Timber, scattering cedar. Fair grazing land.
	East, bet. secs. 5 and 32.
	Over rolling low spurs and draws, putting S., through scattering timber and undergrowth; desc. E. slope 20 ft.
1.70	Dry wash, 25 lks. wide, 4 ft. deep, in the bottom of draw, drains S.; asc. 25 ft.
14.00	Spur, projects S. about 6.00 chs. dist.; desc. 30 ft.
18.00	Dry wash, 15 lks. wide, 6 ft. deep, in the bottom of draw, drains S.; asc. 60 ft.
23.40	Spur, projects S. about 7.00 chs. dist.; desc. 80 ft.
33.70	Dry wash, 25 lks. wide, 4 ft. deep, in the bottom of draw, drains S.; asc. 40 ft.
37.00	Spur. projects S.; desc. E. slope 45 ft. to

Survey of the South Boundary of T. 16 S., R. 26 E.

Chains.	
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:
	¼ S 32 / S 5 / 1924
	and raise a mound of stone, 3 ft. base, 1½ ft. high, N. of cor.; no trees available suitable for marking.
43.90	Dry wash, 40 lks. wide, 4 ft. deep, in the bottom of draw, 10 ft. below ¼ sec. cor., drains S.; asc. 70 ft.
54.90	Low ridge, bears N. and S.; desc. 70 ft.
60.90	Base of descent, bears N. and S.; over nearly level land to sec. cor.
62.00	Enter a dense growth of sagebrush, bears N. and S.
63.90	Old road, bears N.20°W. and S.20°E.
71.50	Dry wash, from Bar X (X̄) Canyon, 100 lks. wide, 10 ft. deep, in the bottom of swale, drains SW.
79.10	Road bears N. to Horace Violett's ranch and S. to the Pike's Peak-Ocean to Ocean Highway.
80.00	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:

T16S	R26E
S32	S33
S5	S4

T17S
1924

from which,

A cedar limb, 6 ins. diam., bears N.45°45'E., 92 lks. dist., marked T 16 S R 26 E S 33 B T.

A cedar limb, 6 ins. diam., bears S.58°15'E., 179 lks. dist., marked T 17 S R 26 E S 4 B T.

and raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor., as there are no trees available in secs. 5 and 32.

Land, rolling low spurs, ridges, draws and swale, putting S.; southern exposure and drainage; outcroppings of light colored sandstone and shale formation.

Soil, gravelly, light red sandy loam, about 3 or 4 ft. deep, lying on a hard dark clay or on a fine shale, on

Chains.

slopes; red sandy loam, several ft. deep, in the bottoms of draws and swale; 1st. and 2nd. rate.

Undergrowth, sagebrush, shadscale, yellow top and greasewood; dense sagebrush, E. 8.00 chs.

Timber, scattering cedar. Fair to good grazing land.

East, bet. secs. 4 and 33.

Over rolling land, through dense undergrowth and scattering timber; asc. gradual W. slope 40 ft.

15.50 Low ridge, bears N. and S.; desc. gradually 15 ft.

26.00 Swale, drains SW.; asc. gradually 40 ft. over NW. slope to

38.28 Intersect the Utah-Colorado State Boundary Line, as defined by the 163rd. mile cor. of the 1921 resurvey, hereinbefore described, and the 164th. mile cor. of the 1878 survey, hereinafter described, according to record course, S.0°24'E. 3.64 chs. dist. from the said 163rd. mile cor.; and at the point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 27 ins. in the ground, for closing cor. of Tps. 16 and 17 S., R. 26 E., with brass cap marked:

```
U   T16S |
T   R26E |
A     S33 | COLO
H CC ----+
       S4 |
    T17S |
      1924
```

from which,

A cedar limb, 7 ins. diam., bears S.36°30'W., 461 lks. dist., marked T 17 S R 26 E S 4 C C B T.

As there are no trees available in sec. 33, I raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

The 164th. mile cor. of the 1878 survey is a conglomerate rock of limestone and sandstone, 16x10x4 ins. above ground, firmly set, and marked COL 164 UT 32 W L on S. face. An angle point of the 1921 resurvey, which is an iron post, 3 ins. in diam., extending 16 ins. above ground, is firmly set in a small mound of stone alongside of this rock cor., and marked on brass cap as follows:

Survey of the South Boundary of T. 16 S., R. 26 E.

Chains.	
	A P U C T O A L H O
	1921
	There is no evidence of accessories.
	Land, rolling, draining SW.; western exposure; light colored sandstone formation.
	Soil, red sandy loam, about 4 ft. deep, lying on a hard clay or on a fine shale, on slopes; red sandy loam, several ft. deep, in the bottom of swale; 1st. rate.
	Undergrowth, dense sagebrush and scattering greasewood.
	Timber, scattering cedar, W. 20.00 chs. Fair grazing land.

Survey of the North Boundary of T. 16 S., R. 26 E.

	From the cor. of Tps. 15½ and 16 S., Rs. 25 and 26 E., which is an iron post, 3 ins. in diam., extending 24 ins. above ground, firmly set in a mound of stone, 6 ft. base, 22 ins. high, and correctly marked,
	East, on a true line along the N. bdy. of T. 16 S., R. 26 E., bet. secs. 6 and 31.
	Desc. 165 ft. along the N. slope of spur, projecting E., through dense undergrowth.
9.40	Leave sagebrush, and enter a medium dense growth of timber, bears NE. and SW.
11.60	Top of the spur, from SW., projects NE.; precipitous descent of 840 ft. to ¼ sec. cor., over rugged SE. slope.
18.80	Perpendicular ledge, 25 ft. high, bears NE. and SW.
22.10	Perpendicular ledge, 50 ft. high, bears N.70°E. and S.70°W.
34.30	Perpendicular ledge, 60 ft. high, bears N. and S.
36.60	Perpendicular ledge, 25 ft. high, bears N. and S.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 10 ins. high, for ¼ sec. cor., with brass cap marked:
	S 31. ¼ S 6 1924

Survey of the North Boundary of T. 16 S., R. 26 E.

Chains. from which,

A pinon pine, 8 ins. diam., bears N.40°W., 32 lks. dist., marked ¼ S 31 B T.

A pinon pine, 6 ins. diam., bears S.73°E., 19 lks. dist., marked ¼ S 6 B T.

40.80 Cottonwood Canyon, 25 ft. below ¼ sec. cor., drains S.10°E.; asc. abrupt W. slope 65 ft.

43.70 Spur, projects S. about 8.00 chs. dist.; desc. 25 ft.

51.40 Rugged ravine, drains SW.; precipitous ascent of 940 ft. over NW. slope.

58.00 Perpendicular ledge, 35 ft. high, bears NE. and SW.

65.40 Perpendicular ledge, 15 ft. high, bears N. and S.

70.40 Perpendicular ledge, 100 ft. high, bears N.20°W. and S.80°E.

75.40 Spur, projects southwesterly approximately 40.00 chs. dist.; desc. rough general S. slope 10 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 14 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 20 ins. high, for cor. of secs. 5, 6, 31 and 32, with brass cap marked:

T15½S	R26E
S31	S32
S6	S5

T16S
1924

from which,

A cedar limb, 5 ins. diam., bears N.27°45'E., 12 lks. dist., marked T 15½ S R 26 E S 32 B T.

A balsam, 14 ins. diam., bears S.56°30'E., 56 lks. dist., marked T 16 S R 26 E S 5 B T.

A pinon pine, 5 ins. diam., bears S.64°30'W., 48 lks. dist., marked T 16 S R 26 E S 6 B T.

A pinon pine, 12 ins. diam., bears N.25°30'W., 50 lks. dist., marked T 15½ S R 26 E S 31 B T.

Land, abrupt and rugged sides of Cottonwood Canyon, draining SE.; light colored sandstone formation.

Soil, dark sandy loam, varying in depth from a few ins. to about 3 ft., lying on bedrock; 1st. and 2nd. rate.

Timber, balsam, pinon pine and cedar; a few boxelder

Survey of the North Boundary of T. 16 S., R. 26 E.

Chains.	
	trees grow along the bottom of Cottonwood Canyon. Undergrowth, service berry bushes, sagebrush, oak and buck brush. Scattering growth of grass.
	East, bet. secs. 5 and 32.
	Desc. 70 ft. along rough general S. slope, through heavy timber, scattering mountain rush and buck brush.
3.90	Leave timber, bears NW. and SE., and enter dense service berry bushes, sagebrush, oak and buck brush.
7.30	Saddle on ridge, bears NW. and SE.; desc. NE. slope 40 ft.
9.80	Draw, drains NE.; asc. 55 ft.
16.90	Spur, projects northeasterly; abrupt descent of 380 ft. over general NE. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

$$\frac{1}{4}\ \frac{\text{S 32}}{\text{S 5}}$$
1924

At the base of the monument, I deposit a sandstone, 8x5x4 ins., marked with a cross (X). Other accessories impracticable.

43.20	Main sheep trail, from summer range to winter range, bears NW. and SE.
50.30	Enter a medium dense growth of timber, bears N. and S.
54.10	Begin descent over series of broken ledges, 10 to 20 ft. high, bearing NE. and SW.
63.00	Leave ledges, bear NE. and SW.
63.20	Draw, 520 ft. below ¼ sec. cor., drains NE.; asc. 15 ft.
63.40	Leave timber, bears NE. and SW.
64.90	Spur, projects N. approximately 5.00 chs. dist.; desc. 125 ft. over rough general NE. slope to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 14 ins. high, for cor. of secs. 4, 5, 32 and 33, with brass cap marked:

T15½S	R26E
S32	S33
S5	S4

T16S
1924

Survey of the North Boundary of T. 16 S., R. 26 E.

Chains. from which,

A cedar, 24 ins. diam., bears N.15°15'E., 118 lks. dist., marked T 15½ S R 26 E S 33 B T.

A cedar limb, 8 ins. diam., bears S.79°30'E., 96 lks. dist., marked T 16 S R 26 E S 4 B T.

A cedar, 24 ins. diam., bears S.76°W., 175 lks. dist., marked T 16 S R 26 E S 5 B T.

A cedar, 10 ins. diam., bears N.22°30'W., 190 lks. dist., marked T 15½ S R 26 E S 32 B T.

Land, abrupt and rough NE. side of Cottonwood Canyon, W. 7.30 chs.; abrupt and rough SW. side of Hell's Hole Canyon, E. 72.70 chs.; general drainage SE.; sandstone exposed in the form of broken ledges and outcroppings.

Soil, dark loam or a dark sandy loam, varying in depth from a few ins. to 3 ft., lying on bedrock; 1st. rate.

Timber, cedar, balsam and pinon pine.

Undergrowth, service berry bushes, sagebrush, oak and buck brush. Fair grazing of grass and browse.

East, bet. secs. 4 and 33.

Desc. 270 ft. along abrupt rough general NE. slope, through dense undergrowth.

3.60 Enter a medium dense growth of timber, bears NW. and SE.

19.30 Stream of clear water, 1 lk. wide, 1 in. deep, in the bottom of draw, course N.15°E.; asc. 10 ft.

21.50 Spur, projects N. about 4.00 chs. dist.; timber becomes more scattering; abrupt descent of 165 ft.

26.60 Stream of clear, alkali water, 1 lk. wide, 1 in. deep, in the bottom of Hell's Hole Canyon, course SE.; precipitous ascent of 220 ft. over rough broken general SW. slope to

36.05 Intersect the Utah-Colorado State Boundary Line, as defined by the witness cor. to the 168th. mile cor. or angle point and the witness cor. to the 169th. mile cor. of the 1921 resurvey, hereinbefore described, according to record course, S.0°03'W. 0.45 chs. dist. from the said witness cor. to the 169th. mile cor.;

Survey of the North Boundary of T. 16 S., R. 26 E.

Chains.

and at the point of intersection, set an iron post, 3 ft. long, 3 ins. in diam., 20 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for closing cor. of Tps. 15½ and 16 S., R. 26 E., with brass cap marked:

U T A H | T15½S R26E S33 CC S4 T16S | COLO

1924

from which,

A cedar limb, 4 ins. diam., bears S.57°30'W., 4 lks. dist., marked T 16 S R 26 E S 4 C C B T.

A pinon pine, 5 ins. diam., bears N.19°15'W., 58 lks. dist., marked T 15½ S R 26 E S 33 C C P T.

Land, abrupt and rough sides of Hell's Hole Canyon, draining SE.; shale and sandstone outcroppings.

Soil, black loam or dark sandy loam, varying in depth from a few ins. to about 3 ft., lying on bedrock; 1st., 2nd. and 3rd. rate.

Timber, cedar, balsam and pinon pine.

Undergrowth, service berry bushes, sagebrush, oak and buck brush. Fair growth of grass and browse, W. 26.60 chs.

Survey of the Subdivision of T. 16 S., R. 26 E.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp., hereinbefore described,

N.0°01'E., bet. secs. 31 and 32.

Over rolling land, through scattering cedar timber and undergrowth of shadscale, sagebrush, greasewood and yellow top; desc. gradually 10 ft. along E. slope.

7.20 Dry wash, 10 lks. wide, 3 ft. deep, in the bottom of draw, drains SE.; asc. gradually 45 ft. over SW. slope.

15.40 Leave scattering timber and undergrowth; leave rolling land, bears NW. and SE.; asc. abrupt SW. slope 650 ft. over large boulders.

28.50 Leave boulders, bears NW. and SE.

28.90 Perpendicular ledge, 75 ft. high, bears E. and W.

30.70 Perpendicular ledge, 100 ft. high, bears E. and W.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.

35.40 Ridge, bears E. and W.; enter scattering cedar timber; desc. gradual N. slope 15 ft.

37.40 Enter undergrowth of medium dense sagebrush and scattering service berry bushes, bears NW. and SE.; begin abrupt descent of 85 ft. over rough general NE. slope

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 14 ins. high, for ¼ sec. cor., with brass cap marked:

¼

S 31 | S 32

1924

from which,

A cedar, 10 ins. diam., bears N.40°45'E., 107 lks. dist., marked ¼ S 32 B T.

A cedar limb, 4 ins. diam., bears N.50°W., 50 lks. dist., marked ¼ S 31 B T.

45.80 Perpendicular ledge, 105 ft. high, bears SW. and SE.

46.00 Enter a medium dense growth of cedar and pinon pine timber, bears SW. and SE.

53.20 Draw, 415 ft. below ¼ sec. cor., drains NE.; asc. 10 ft.

56.20 Spur, projects NE. about 10.00 chs. dist.; desc. 105 ft. over draws and low spurs, putting NE.

65.70 Leave timber, bears NW. and SE.

65.90 Dry wash, 75 lks. wide, 5 ft. deep, in the bottom of Bar X (X) Canyon, drains E.; asc. general S. slope 70 ft.

69.50 Enter a medium dense growth of cedar and pinon pine timber, bears E. and W.

76.20 Begin more abrupt ascent of 60 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked:

T16S	R26E
S30	S29
S31	S32

1924

from which,

A cedar, 7 ins. diam., bears N.15°15'E., 213 lks. dist., marked T 16 S R 26 E S 29 B T.

A cedar, 12 ins. diam., bears S.20°E., 95 lks. dist., marked T 16 S R 26 E S 32 B T.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	A cedar limb, 5 ins. diam., bears S.84°W., 191 lks. dist., marked T 16 S R 26 E S 31 B T.
	A cedar, 3 ins. diam., bears N.30°W., 95 lks. dist., marked B T.
	Land; rolling; S. 15.40 chs.; rough mountainous, N. 64.60 chs.; light colored sandstone, and light and dark colored shale formation; general drainage SE.
	Soil, gravelly, light, red sandy loam, about 30 ins. deep, lying on a dark clay or shale, on rolling land; red sandy loam; several ft. deep, in the bottoms of draws and canyon; shallow red sand on other portions of mile; 1st., 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, sagebrush, shadscale, yellow top, greasewood and service berry bushes. Fair grazing on rolling land; excellent growth of grass on rough portions.
	West, on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
80.06	Intersect the W. bdy. of the Tp., 9 lks. S. of the cor. of secs. 25, 30, 31 and 36, which is an iron post, 2 ins. in diam., extending 26 ins. above ground, firmly set in a large mound of stone, correctly marked, and witnessed by four bearing trees, one in each sec.
	Thence,
	S.89°56'E., on a true line bet. secs. 30 and 31.
	Asc. abruptly 180 ft. over rough general W. slope, through a medium dense growth of timber and undergrowth.
6.50	Spur, projects N. about 20.00 chs. dist.; desc. 145 ft.
12.80	Head of draw, drains N.; asc. 15 ft.
17.00	Saddle bears NE. and SW., on top of spur, projecting NE. approximately 20.00 chs. dist.; desc. 80 ft. across the head of draw, draining SE.
29.00	Spur, projects southeasterly about 10.00 chs. dist.; abrupt descent of 260 ft., over NE. slope.
29.10	Perpendicular ledge, 60 ft. high, bears NW. and SW.

Survey of the Subdivision of T. 19 S., R. 26 E.

Chains.	
31.00	Top of sloping ledge, 25 ft. high, bears NW. and SW.
35.00	A barbed wire fence, bears approximately NE. and SW.
37.20	Base of abrupt descent, bears NW. and SE.; desc. gradually 20 ft. to
40.03	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked: ¼ S 30 / S 31 1924 from which, A pinon pine, 6 ins. diam., bears N.59°30'W., 108 lks. dist., marked ¼ S 30 B T. A cedar, 12 ins. diam., bears S.32°45'E., 52 lks. dist., marked ¼ S 31 B T.
45.20	Dry wash, 50 lks. wide, 6 ft. deep, in the bottom of Bar X (X) Canyon, 40 ft. below ¼ sec. cor., drains SE.; asc. 25 ft. over W. slope.
54.60	Spur, projects S. about 8.00 chs. dist.; desc. 20 ft.
58.40	Draw, from N.10°E., drains SE.; asc. abruptly 180 ft.
67.90	Perpendicular ledge, 100 ft. high, bears NW. and SE.
69.60	Top of ascent, bears E. and NW.; timber becomes scattering, bearing E. and NW.; desc. 135 ft. to sec. cor., along rugged general S. slope.
71.90	Top of sloping ledge, 50 ft. high, bears NE. and SW.
79.70	Head of draw, drains S.
80.06	The cor. of secs. 29, 30, 31 and 32.
	Land, rough mountainous, draining generally to the SE.; shale and sandstone formation.
	Soil, red sandy loam several ft. deep, in the bottoms of draws and canyons; shallow red sand, lying on bedrock, on slopes; 1st., 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, service berry bushes, sagebrush, oak and buck brush, shadscale and yellow top. Fair grazing land.
	N.0°01'E., bet. secs. 29 and 30.
	Asc. abruptly 310 ft. over rugged general S. slope,

Survey of the Subdivision of T. 16 S., R. 26 E.

through scattering cedar timber and undergrowth of sagebrush, shadscale and yellow top.

5.40 Top of nearly perpendicular and broken ledge, 125 ft. high, bears N.60°E. and S.60°W.

8.30 Top of sloping ledge, 30 ft. high, bears N.60°E. and S.60°W.; enter a medium dense growth of cedar and scattering pinon pine timber, bears N.60°E. and S.60°W.

10.10 Top of abrupt ascent, bears N.60°E. and S.60°W.; asc. gradually 110 ft.

18.60 Spur, projects SW. about 25.00 chs. dist.; desc. 40 ft.

22.50 Draw, drains southwesterly; asc. 35 ft.

26.40 Ridge, bears NW. and SE.; desc. 130 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 30 | S 29

1924

from which,

A cedar limb, 5 ins. diam., bears east, 2 lks. dist., marked ¼ S 29 B T.

A cedar, 3 ins. diam., bears N.41°W., 45 lks. dist., marked B T.

51.40 Ravine, 30 ft. below ¼ sec. cor., drains SE.; asc. abrupt SW. slope 470 ft., over large boulders and broken ledges, 25 to 50 ft. high, bearing E. and W.

68.50 Leave boulders and ledges, bear NW. and SE.

69.00 Spur, projects S.60°E. about 60.00 chs. dist.; enter medium dense undergrowth of buck brush, mountain rush and service berry bushes, bears NW. and SE.; precipitous descent of 335 ft. over rough general NE. slope to

80.00 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:

T16S	R26E
S19	S20
S30	S29

1924

from which,

A cedar limb, 6 ins. diam., bears N.60°E., 72 lks. dist., marked T 16 S R 26 E S 20 B T.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.

A cedar, 8 ins. diam., bears S.76°30'E., 18 lks. dist., marked T 16 S R 26 E S 29 B T.

A cedar limb, 6 ins. diam., bears S.81°45'W., 98 lks. dist., marked T 16 S R 26 E S 30 B T.

A cedar, 3 ins. diam., bears N.44°W., 159 lks. dist., marked B T.

Land, rough mountainous, draining generally SE.; sandstone and shale formation.

Soil, rocky, red sand and red sandy loam, about 4 ins. to 30 ins. deep, lying on bedrock; 2nd. and 3rd. rate.

Timber, cedar and pinon pine.

Undergrowth, buck brush, service berry bushes, mountain rush, sagebrush, shadscale and yellow top. Good grazing

---

N.89°56'W., on a random line bet. secs. 19 and 30.

40.00 Set temp. ¼ sec. cor.

80.04 Intersect the W. bdy. of the Tp., 9 lks. S. of the cor. of secs. 19, 24, 25 and 30, which is an iron post, 2 ins. in diam., extending 18 ins. above ground, firmly set in a mound of stone, 5 ft. base, 1 ft. high, correctly marked, and witnessed by four bearing trees, one in each sec.

Thence,

S.89°52'E., on a true line bet. secs. 19 and 30.

Desc. abruptly 320 ft. over rough general NE. slope, through a medium dense growth of timber and undergrowth.

3.20 Dry wash, 40 lks. wide, 6 ft. deep, in the bottom of Bar X ($\overline{X}$) Canyon, drains SE.; asc. W. slope 25 ft.

14.10 Spur, projects S. about 3.00 chs. dist.; desc. 15 ft.

15.00 Ravine, drains S.60°W.; abrupt ascent of 280 ft.

25.40 Spur, projects SW. about 20.00 chs. dist.; desc. 175 ft.

39.40 Ravine, drains SW.; asc. NW. slope 25 ft. to

40.02 Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 1 ft. high, for ¼ sec. cor., with brass cap marked:

$$\frac{1}{4}\ \frac{S\ 19}{S\ 30.}$$

1924

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	At the base of the monument, I deposit a sandstone, 7x8x1 ins., marked with a cross (X). All trees within a reasonable distance are too scrubby for marking.
41.20	Spur, 10 ft. above ¼ sec. cor., projects southwesterly approximately 30.00 chs. dist.; desc. 150 ft.
45.80	Ravine, drains SW.; precipitous ascent of 525 ft. over rough general W. slope.
60.60	Ridge, bears N.10°W. and S.10°E.; desc. abruptly 380 ft. over rough general NE. slope.
73.90	Ravine, drains NE.; asc. 25 ft.
75.60	Spur, projects N.15°E. about 7.00 chs. dist.; desc. 55 ft.
79.80	Draw, drains N.; asc. 10 ft. to
80.04	The cor. of secs. 19, 20, 29 and 30.
	Land, steep and mountainous with outcroppings and broken ledges of sandstone and shale formation; general drainage SE.
	Soil, rocky, red sand and red sandy loam, about 4 ins. to 2 ft. deep, lying on bedrock, on slopes; red sandy loam, about 2 to 6 ft. deep, lying on bedrock, in the bottoms of draws, ravines and canyons; 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, service berry bushes, oak and buck brush, mountain rush, sagebrush and shadscale.
	Good growth of grass on portions of mile.
	N.0°01'E. bet. secs. 19 and 20.
	Desc. abruptly 190 ft. over rough general NE. slope, through scattering timber and undergrowth.
11.80	Ravine, drains SE.; asc. abrupt SW. slope 405 ft., over large boulders and series of broken ledges, 10 to 20 ft. high, bearing NW. and SE.
12.20	Enter medium dense undergrowth, bears NW. and SE.
31.50	Leave ledges and boulders, bear NW. and SE.
32.00	Spur, projects southeasterly; desc. 10 ft.

Chains.	
36.00	Ravine, drains SE.; precipitous ascent of 110 ft. to ¼ sec. cor., over large boulders and series of broken and perpendicular ledges, 10 to 30 ft. high, bearing NW. and SE., on SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. the ground to bedrock, and in a mound of stone, 4 ft base, 14 ins. high, for ¼ sec. cor., with brass cap marked:

¼

S 19 | S 20

1924

from which,

A cedar, 5 ins. diam., bears S.84°E., 43 lks. dist., marked ¼ S 20 B T.

A cedar limb, 6 ins. diam., bears N.85°W., 54 lks. dist., marked ¼ S 19 B T.

46.30	Perpendicular ledge, 70 ft. high, bears E. and W.
49.70	Top of sloping ledge, 30 ft. high, bears E. and W.
52.90	Ridge, bears NW. and SE.; precipitous descent of 635 ft to sec. cor., over rough general NE. slope.
54.30	Top of broken ledge, 20 ft. high, bears NW. and SE.
55.00	Enter heavy timber, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. the ground, for cor. of secs. 17, 18, 19 and 20, with brass cap marked:

T16S	R26E
S18	S17
S19	S20

1924

from which,

A cedar, 8 ins. diam., bears N.54°45'E., 72 lks. dist., marked T 16 S R 26 E S 17 B T.

A cedar, 14 ins. diam., bears S.79°E., 102 lks. dist., marked T 16 S R 26 E S 20 B T.

A cedar, 18 ins. diam., bears S.50°45'W., 63 lks. dist., marked T 16 S R 26 E S 19 B T.

A cedar, 12 ins. diam., bears N.57°W., 50 lks. dist., marked T 16 S R 26 E S 18 B T.

Chains	
	Land, rough mountainous with general drainage SE.; shale and sandstone formation.
	Soil, rocky, red sand and red sandy loam, varying in depth from a few ins. to about 3 ft., lying on bedrock; 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, service berry bushes, buck brush, mountain rush, sagebrush and shadscale.
	Fair growth of grass.
	N.89°52'W., on a random line bet. secs. 18 and 19.
40.00	Set temp. ¼ sec. cor.
80.12	Intersect the W. bdy. of the Tp., 18 lks. S. of the cor. of secs. 13, 18, 19 and 24, which is an iron post, 2 ins. in diam., extending 16 ins. above ground, firmly set in a large mound of stone, correctly marked, and witnessed by four bearing trees, one in each sec.
	Thence,
	S.89°44'E., on a true line bet. secs. 18 and 19.
	Asc. 35 ft. along rough N. slope, through a medium growth of timber and undergrowth.
2.90	Spur, projects S.80°W. approximately 20.00 chs. dist.; desc. 45 ft.
21.10	Ravine, drains S.80°W.; asc. abrupt SW. slope 870 ft., over series of perpendicular ledges, 25 to 100 ft. high, bearing N. and S.
36.60	Leave series of ledges, bears N.30°W. and S.30°E.
36.90	Rugged ridge, bears N.30°W. and S.30°E.; desc. abrupt NE. slope 100 ft. to
40.06	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:
	S 18 / ¼ / S 19 / 1924
	from which,

Chains.	
	A pinon pine, 8 ins. diam., bears N.18°W., 69 lks. dist., marked ¼ S 18 B T.
	A cedar, 10 ins. diam., bears S.8°45'E., 37 lks. dist., marked ¼ S 19 B T.
44.20	Draw, 50 ft. below ¼ sec. cor., drains N.15°E.; asc. gradually 10 ft.
49.00	Spur, projects northerly approximately 25.00 chs. dist. desc. abrupt rough general NE. slope 660 ft., over draws and low spurs, putting NE.
77.00	Draw, drains NE.; asc. 25 ft. to
80.12	The cor. of secs. 17, 18, 19 and 20.
	Land, abrupt and rough mountainous; red and light colore sandstone formation; general drainage SE. by Jim and Bar X ($\overline{X}$) Canyons.
	Soil, red sand and red sandy loam, about 4 ins. to 2 ft. deep, lying on a clay subsoil, or on bedrock; 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, service berry bushes, buck brush, sagebrush and shadscale.
	Fair growth of grass on greater portion of mile.
	N.0°01'E., bet. secs. 17 and 18.
	Desc. abruptly 265 ft. over rough NE. slope, through a medium growth of timber and undergrowth.
9.00	Draw, drains N.30°E.; asc. 25 ft.
12.20	Spur, projects N.30°E. approximately 8.00 chs. dist.; desc. 100 ft.
15.20	Draw, drains N.20°E.; asc. 45 ft.
16.20	Spur, projects N.20°E. about 1.50 chs. dist.; desc. 35 ft
17.10	Dry wash, 30 lks. wide, 4 ft. deep, in the bottom of Jim Canyon, drains S.80°E.; abrupt ascent of 335 ft. over SE. slope.
36.80	Spur, projects SW. approximately 20.00 chs. dist.; desc. NW. slope 15 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Chains.

the ground, for ¼ sec. cor., with brass cap marked:

¼

S 18 | S 17

1924

from which,

A cedar limb, 6 ins. diam., bears N.36°E., 28 lks. dist., marked ¼ S 17 B T.

A cedar limb, 3 ins. diam., bears S.14°W., 90 lks. dist., marked B T.

43.30 Draw, 10 ft. below ¼ sec. cor., drains S.30°W.; abrupt ascent of 235 ft.

57.60 Spur, projects southwesterly approximately 40.00 chs. dist.; desc. 25 ft.

63.70 Draw, drains SW.; asc. abrupt general SW. slope 475 ft. to sec. cor., over large boulders and series of broken and perpendicular ledges, 10 to 80 ft. high, bearing N.60°W. and S.60°E.

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 20 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for cor. of secs. 7, 8, 17 and 18, with brass cap marked:

T16S	R26E
S7	S8
S18	S17

1924

from which,

A cedar, 30 ins. diam., bears N.8°30'E., 71 lks. dist., marked T 16 S R 26 E S 8 B T.

A cedar, 16 ins. diam., bears S.44°45'E., 70 lks. dist., marked T 16 S R 26 E S 17 B T.

A cedar, 8 ins. diam., bears S.36°W., 18 lks. dist., marked T 16 S R 26 E S 18 B T.

A pinon pine, 10 ins. diam., bears N.29°30'W., 74 lks. dist., marked T 16 S R 26 E S 7 B T.

Land, abrupt and rough mountainous; red and light colored sandstone formation; general drainage SE. by Jim Canyon; NE. and SW. exposure.

Chains.	
	Soil, red sand and sandy loam, about 4 ins. to 2 ft. deep, lying on a clay subsoil or on bedrock; 2nd. and 3rd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, buck brush, service berry bushes, sagebrush and mountain rush.
	Fair growth of grass.
	N.89°44'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect the W. bdy. of the Tp., at the cor. of secs. 7, 12, 13 and 18, which is an iron post, 2 ins. in diam., extending 18 ins. above ground, firmly set in a large mound of stone, correctly marked, and witnessed by four bearing trees, one in each sec.
	Thence,
	S.89°44'E., on a true line bet. secs. 7 and 18.
	Desc. abruptly 615 ft. over rough general NE. slope, through heavy timber and medium dense undergrowth.
18.20	Draw, drains N.70°E.; asc. gradually 10 ft.
19.10	Spur, projects N.70°E. approximately 15.00 chs. dist.; precipitous descent of 220 ft. over numerous draws and low spurs, putting NE.
33.90	Draw, drains N.80°E.; asc. 10 ft.
36.50	Spur, projects NE. about 4.00 chs. dist.; desc. 95 ft.
39.60	Dry wash, 30 lks. wide, 5 ft. deep, in the bottom of Jim's Canyon, drains SE.; asc. W. slope 10 ft. to
40.08	Set an iron post, 3 ft. long, 1 in. in diam., 22 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for ¼ sec. cor., with brass cap marked:

¼ S 7 ✓
S 18
1924

from which,

A cedar, 12 ins. diam., bears N.15°W., 24 lks. dist., marked ¼ S 7 B T.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	A cedar, 8 ins. diam., bears S.27°E., 63 lks. dist., marked ¼ S 18 B T.
46.40	Spur, 155 ft. above ¼ sec. cor., projects S. about 4.00 chs. dist.; desc. 10 ft.
50.30	Draw, drains S.60°W.; abrupt ascent of 245 ft.
70.40	Spur, projects SW. approximately 35.00 chs. dist.; desc. 10 ft.
72.00	Draw, drains S.20°W.; abrupt ascent of 210 ft. over general SW. slope to sec. cor.
77.70	Perpendicular ledge, 20 ft. high, bears NW. and SE.
80.16	The cor. of secs. 7, 8, 17 and 18.
	Land, abrupt sides of Jim Canyon, draining SE.; outcroppings, and broken and perpendicular ledges of sandstone formation.
	Soil, rocky, red sand or a rocky, light sandy loam, about 8 ins. deep, lying on a dark shale, clay or bedrock.
	Timber, medium to a heavy growth of cedar and pinon pine.
	Undergrowth, medium dense service berry bushes, buck brush and mountain rush.
	Fair growth of grass and browse.
	N.0°01'E., bet. secs. 7 and 8.
	Asc. abruptly 35 ft. over rough SW. slope, through a medium growth of timber and undergrowth.
2.20	Ridge, bears NW. and SE.; abrupt descent of 290 ft. over rough NE. slope.
16.00	Leave undergrowth of buck brush, service berry bushes and mountain rush, bears NW. and SE., and enter dense sagebrush.
16.20	Leave timber, bears NW. and SE., at the base of abrupt descent, bearing NW. and SE.; desc. gradually 70 ft. over bench.
26.40	Enter a medium growth of timber, bears NW. and SE.
26.60	Leave sagebrush, bears NW. and SE., and enter a medium

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	growth of buck brush, service berry bushes, oak brush and mountain rush.
27.00	Leave bench, bears NW. and SE.; begin abrupt descent of 170 ft. over NW. slope.
38.60	Draw, drains NE.; asc. 10 ft. to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 10 ins. high, for ¼ sec. cor., with brass cap marked:

¼
S 7 | S 8
1924

from which,

A cedar, 6 ins. diam., bears N.38°30'E., 26 lks. dist., marked ¼ S 8 B T.

A cedar, 12 ins. diam., bears N.28°45'W., 30 lks. dist., marked ¼ S 7 B T.

41.60	Spur, 10 ft. above ¼ sec. cor., projects NE. about 10.00 chs. dist.; abrupt descent of 110 ft.
44.50	Ravine, drains N.70°E.; precipitous ascent of 180 ft. over rugged S. slope.
47.20	Perpendicular ledge, 30 ft. high, bears NE. and SW.
49.30	Spur, projects E. approximately 12.00 chs. dist.; desc. abrupt general NE. slope 270 ft., over large boulders and outcroppings.
50.00	Enter scattering balsam timber.
65.70	Stream of alkali water, 1 lk. wide, 2 ins. deep, rises NW. about 30 lks. dist., in the bottom of Cottonwood Canyon, course SE.; asc. abrupt SW. slope 320 ft., over large boulders, outcroppings and a series of broken and perpendicular ledges, 10 to 20 ft. high, bearing NW. and SE., to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 5, 6, 7 and 8, with brass cap marked:

T16S | R26E
S6 | S5
S7 | S8
1924

Chains.

from which,

A cedar, 12 ins. diam., bears N.86°30'E., 59 lks. dist., marked T 16 S R 26 E S 5 B T.

A cedar, 18 ins. diam., bears S.54°45'E., 26 lks. dist., marked T 16 S R 26 E S 8 B T.

A pinon pine limb, 5 ins. diam., bears S.67°30'W., 91 lks. dist., marked T 16 S R 26 E S 7 B T.

A cedar, 5 ins. diam., bears N.30°30'W., 40 lks. dist., marked T 16 S R 26 E S 6 B T.

Land, abrupt and rough sides of Jim and Cottonwood Canyons, draining SE.; red and light colored sandstone formation.

Soil, rocky, red sand and sandy loam, varying in depth from a few ins. to about 6 ft., lying on a clay subsoil or on bedrock.

Timber, cedar, pinon pine and balsam.

Undergrowth, oak and buck brush, service berry bushes, sagebrush and mountain rush.

Good grazing of grass and browse on portions of mile.

N.89°44'W., on a random line bet. secs. 6 and 7.

40.00 Set temp. ¼ sec. cor.

80.30 Intersect the W. bdy. of the Tp., 14 lks. N. of the cor. of secs. 1, 6, 7 and 12, which is an iron post, 2 ins. in diam., extending 9 ins. above ground, firmly set, correctly marked and witnessed by four bearing trees, one in each sec.

Thence,

S.89°50'E., on a true line bet. secs. 6 and 7.

Asc. abruptly 100 ft. over NW. slope, through a medium growth of timber and undergrowth.

6.70 Ridge, bears NE. and SW.; desc. 65 ft. across the head of Jim Canyon, draining S.

11.70 Ridge, bears NW. and SE.; desc. abrupt general NE. slope 560 ft. to ¼ sec. cor.

Chains.	
13.70	Leave timber, bears NW. and SE., and enter dense under growth.
18.50	Leave dense undergrowth, bears NE. and SW., and enter medium growth of timber and undergrowth.
27.10	Leave medium growth of timber, and enter scattering, bears NW. and SE.
40.15	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. the ground to bedrock, and in a mound of stone, 4 ft. base, 10 ins. high, for ¼ sec. cor., with brass cap marked: $\frac{1/4\ S\ 6}{S\ 7}$ 1924 from which, A pinon pine, 6 ins. diam., bears N.41°45'E., 5 lks. dist., marked ¼ S 6 B T. A pinon pine, 7 ins. diam., bears S.63°45'W., 25 lks. dist., marked ¼ S 7 B T.
56.70	Enter heavy timber, bears NE. and SW.
57.00	Descent becomes more abrupt, bearing NW. and SE.; over large boulders, outcroppings and series of broken and perpendicular ledges, 10 to 20 ft. high, bearing NW. and SE.
72.90	Leave heavy timber, bears NW. and SE., and enter scattering; undergrowth becomes more scattering.
73.20	Dry wash, 40 lks. wide, 5 ft. deep, in the bottom of Cottonwood Canyon, 905 ft. below ¼ sec. cor., drains SE.; asc. abrupt SW. slope 245 ft., over large boulders, outcroppings and series of broken and perpendicular ledges, 10 to 30 ft. high, bearing NW. and SE., t
80.30	The cor. of secs. 5, 6, 7 and 8.

Land, steep and rough mountainous of light and red colored sandstone formation; drainage NW. into fork of the East Fork of Bitter Creek Canyon, W. 6.70 chs.; general drainage SE. by Cottonwood Canyon, E. 73.60 chs.; rolling brushy benches on W. side of Cottonwood Canyon.

Quarter of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	Soil, rocky, red sand and sandy loam, varying in depth from about 3 ins. to 6 ft., lying on a clay subsoil, or on bedrock.
	Timber, cedar, balsam and pinon pine.
	Undergrowth, oak and buck brush, service berry bushes, sagebrush and mountain rush.
	Excellent grazing of grass and browse on greater portion of W. 73.20 chs.
	N.0°01'E., on a random line bet. secs. 5 and 6.
40.00	Set temp. ¼ sec. cor.
80.34	Intersect the N. bdy. of the Tp., 7 lks. E. of the cor. of secs. 5, 6, 31 and 32, hereinbefore described.
	Thence,
	S.0°02'E., on a true line bet. secs. 5 and 6.
	Desc. abrupt general S. slope 820 ft., over boulders, outcroppings, and broken and perpendicular ledges, 5 to 50 ft. high, bearing E. and W., through a medium growth of timber, scattering mountain rush and buck brush.
4.00	Enter dense undergrowth of service berry bushes, sagebrush, oak and buck brush, bears E. and W.
21.10	Enter heavy timber, bears E. and W.
23.60	Ravine, drains S.80°W.; asc. 105 ft.
27.20	Spur, projects W. approximately 7.00 chs. dist.; desc. 45 ft.
31.10	Draw, drains W.; asc. 170 ft. over NW. slope to ¼ sec. cor.
32.90	Leave timber, bears E. and W.
35.70	Leave undergrowth of service berry bushes, oak and buck brush, bears NW. and SE.; continue through scattering sagebrush and mountain rush.
37.50	Enter heavy timber, bears E. and W.
37.80	Enter scattering service berry bushes, oak and buck brush.
40.34	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in

Chains.

the ground, for ¼ sec. cor., with brass cap marked:

S 6 | S 5

1924

from which,

A cedar, 12 ins. diam., bears S.79°30'E., 18 lks. dist., marked ¼ S 5 B T.

A pinon pine, 6 ins. diam., bears S.29°W., 43 lks. dist., marked ¼ S 6 B T.

50.00 Rugged spur, 20 ft. above ¼ sec. cor., projects southwesterly approximately 15.00 chs. dist.; precipitous descent of 380 ft.

61.90 Rugged ravine, drains S.70°W.; abrupt ascent of 145 ft.

71.10 Spur, projects W. approximately 12.00 chs. dist.; desc. abrupt general SW. slope 280 ft. to sec. cor., over large boulders, outcroppings, and broken and perpendicular ledges, 5 to 40 ft. high, bearing NW. and SE.

75.70 Leave heavy timber, bears NW. and SE., and enter scattering.

80.34 The cor. of secs. 5, 6, 7 and 8.

Land, steep and rugged E. side of Cottonwood Canyon; red and light colored sandstone formation; drainage W. and SW. to Cottonwood Canyon.

Soil, rocky, red sand and sandy loam, varying in depth from about 3 ins. to 4 ft., lying on a clay subsoil, or on bedrock.

Timber, cedar, pinon pine and balsam.

Undergrowth, oak and buck brush, service berry bushes, sagebrush and mountain rush.

Good grazing of grass and browse on greater portion of mile.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., hereinbefore described,

N.0°01'E., bet. secs. 32 and 33.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	Over rolling land, through dense undergrowth; asc. gradual SW. slope 70 ft.
13.30	Enter a medium growth of timber, bears NW. and SE.
27.10	Low ridge, bears NW. and SE.; leave timber, bears NW. and SE.; desc. 15 ft.
32.10	Draw, drains E.; asc. 35 ft. to ¼ sec. cor.
37.50	Barbed wire fence, bears W. and E. about 1.00 chs. dist., thence northeasterly.
40.00	On a SE. slope, set an iron post, 3 ft. long, 1 in. in diam., 8 ins. in the ground to bedrock, and in a mound of stone, 5 ft. base, 2 ft. high, for ¼ sec. cor., with brass cap marked:

¼

S 32 | S 33

1924

from which,

A cedar, 10 ins. diam., bears N.1°45'E., 116 lks. dist., marked ¼ S 33 B T.

A cedar limb, 5 ins. diam., bears N.67°30'W., 78 lks. dist., marked ¼ S 32 B T.

42.20	Low ridge, 20 ft. above ¼ sec. cor., bears NE. about 2.00 chs. dist., thence northerly, and SW.; desc. 65 ft. along W. slope, over broken rolling land.
42.29	From this station, the N. door in Horace Violett's frame house, 14x24 ft., bears S.65°17'W., 17.28 chs. dist.; from the door, the gate of the SW. corral of the series of five, bears N.20°E. 1.73 chs. dist.
54.10	Draw, drains E.; asc. 60 ft.
56.20	Spur, projects E. about 3.00 chs. dist.; desc. 10 ft.
61.20	Draw, drains S.30°E.; asc. 75 ft.
63.00	Enter scattering timber.
65.60	Spur, projects S.20°E. approximately 10.00 chs. dist.; desc. 115 ft.
71.50	Head of a fork of Prairie Canyon, drains SE.; asc. abruptly along E. slope of spur, 240 ft. to
80.00	Set an iron post, 3 ft. long, 2 ins. in diam., 18 ins.

Chains.

in the ground to bedrock, and in a mound of stone, 4 ft. base, 16 ins. high, for cor. of secs. 28, 29, 32 and 33, with brass cap marked:

T16S	R26E
S29	S28
S32	S33

1924

from which,

A cedar limb, 8 ins. diam., bears N.66°15'E., 38 lks. dist., marked T 16 S R 26 E S 28 B T.

A cedar limb, 5 ins. diam., bears S.27°45'E., 40 lks. dist., marked T 16 S R 26 E S 33 B T.

A cedar, 8 ins. diam., bears S.40°45'W., 68 lks. dist., marked T 16 S R 26 E S 32 B T.

A cedar, 6 ins. diam., bears N.55°15'W., 56 lks. dist., marked T 16 S R 26 E S 29 B T.

Land, rolling, S. 42.20 chs.; steep, broken and rolling, N. 37.80 chs.; drainage S., S. 27.10 chs.; N. 52.90 chs. drains SE.; outcroppings of light colored sandstone and shale formation.

Soil, on S. 54.00 chs.: gravelly, light red sandy loam, about 8 ins. to 3 ft. deep, lying on a hard clay or on a fine shale, on slopes; red sandy loam, several ft. deep, in the bottoms of draws; 1st. and 2nd. rate.

Soil on N. 26.00 chs.: clay from a few ins. to several ft. deep, lying on shale; 3rd. rate.

Timber, cedar.

Undergrowth, sagebrush, greasewood, shadscale and yellow top.

Scattering to a fair growth of grass.

West, on a random line bet. secs. 29 and 32.

40.00 Set temp. ¼ sec. cor.

79.86 Intersect N. and S. line, 16 lks. N. of the cor. of secs. 29, 30, 31 and 32.

Thence,

N.89°53'E., on a true line bet. secs. 29 and 32.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	Asc. 45 ft. over general S. slope, through scattering cedar timber and undergrowth of shadscale, sagebrush and yellow top.
2.40	Spur, projects S. approximately 7.00 chs. dist.; desc. 120 ft. over numerous draws and low spurs, putting S.
10.90	Enter a medium growth of cedar and pinon pine timber, bears N. and S.
18.70	Draw, drains S.30°E.; asc. 65 ft.
21.70	Spur, projects S.15°E. approximately 10.00 chs. dist.; desc. 30 ft.
31.70	Draw, drains S.; asc. 25 ft.
36.30	Top of ascent or W. edge of bench, bears N. and S.; over level top.
39.93	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked: S 29 ¼ S 32 1924 from which, A cedar, 6 ins. diam., bears S.24°30'E., 173 lks. dist., marked ¼ S 32 B T. At the base of the monument, I deposit a sandstone, 5x4x2 ins., marked with a cross (X), as there are no other trees available.
47.00	Leave top of bench, bears N. and S.; desc. E. slope 40 ft.
50.70	Dry wash, 50 lks. wide, 6 ft. deep, in the bottom of a fork of Bar X ($\overline{X}$) Canyon, drains S.; asc. 185 ft. over draws and low spurs, putting S.
69.98	Barbed wire fence, bears approximately N.10°E. and S.10°W.
70.10	Spur, projects S.10°W. approximately 30.00 chs. dist.; desc. 65 ft.
76.90	Head of a fork of Prairie Canyon, drains S.; asc. 45 ft.
78.40	Spur, projects S. approximately 8.00 chs. dist.; desc. E. slope 5 ft. to

Chains.	
79.86	The cor. of secs. 28, 29, 32 and 33.
	Land, rolling and broken, draining S. to Bar X (X) Canyon; outcroppings of shale and light colored sandstone formation.
	Soil, light clay about 1 to 3 ft. deep, lying on shale, on rolling land; 4th. rate; gravelly, light, red sandy loam, about 1 to 3 ft. deep, lying on a clay subsoil, on bench; 2nd. rate.
	Timber, cedar and pinon pine.
	Undergrowth, sagebrush, shadscale and yellow top.
	Fair growth of grass on portions of mile.
	East, on a true line bet. secs. 28 and 33.
	Over steep and rough mountainous land, through scattering timber and undergrowth; desc. abrupt E. slope 155 ft.
4.40	Ravine, drains S.; precipitous ascent of 540 ft. over rugged W. slope.
15.10	Perpendicular ledge, 65 ft. high, bears N. and S.
16.30	Perpendicular ledge, 30 ft. high, bears N. and S.
18.60	Perpendicular ledge, 40 ft. high, bears N. and S.
22.30	Ridge, bears N. and S.25°W.; desc. 75 ft.
25.60	Top of nearly perpendicular ledge, 100 ft. high, bears N. and S.25°W.; precipitous descent of 525 ft. over rough general E. slope.
29.10	Top of nearly perpendicular ledge, 150 ft. high, bears N. and S.
33.00	Base of abrupt descent, bears N. and S.; desc. 50 ft. over rolling E. slope to
36.89	Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for witness closing cor. of secs. 28 and 33, with brass cap marked:

U T A H WCCC T16S S28 S33 R26E COLO 1924

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	from which,
	A cedar limb, 6 ins. diam., bears S.83°15'W., 138 lks. dist., marked W C T 16 S R 26 E S 33 C C B T.
	A cedar, 6 ins. diam., bears N.82°15'W., 252 lks. dist., marked W C T 16 S R 26 E S 28 C C B T.
37.89	Intersect the Utah-Colorado State Boundary Line, as defined by the 163rd. and 164th. mile cors. of the 1921 resurvey, hereinbefore described, according to record course, S.0°24'E. 5.16 chs. dist. from the said 164th. mile cor. The point of intersection or the true point for the closing cor. of secs. 28 and 33, falls in a dry wash, 20 lks. wide, 4 ft. deep, draining NE. Cor. not set.
	Land, steep and rough mountainous, draining SE. into Prairie Canyon; shale, and light and red colored sandstone formation.
	Soil, dark clay, varying in depth from a few ins. to about 4 ft., lying on shale.
	Timber, cedar.
	Undergrowth, shadscale, greasewood and yellow top.
	Sparse growth of grass.
	From the cor. of secs. 28, 29, 32 and 33, N.0°01'E., bet. secs. 28 and 29.
	Over steep and rough mountainous land, through scattering timber and undergrowth; desc. NE. slope 25 ft.
2.60	Draw, drains S.20°E.; asc. abrupt rugged general SE. slope 405 ft.
6.70	Top of nearly perpendicular ledge, 25 ft. high, bears SW. and NE. about 2.00 chs. dist., thence E.
9.80	Top of nearly perpendicular ledge, 65 ft. high, bears NE. and SW.
15.80	Perpendicular ledge, 25 ft. high, bears NE. and SW.
16.00	Spur, projects S.25°W. approximately 25.00 chs. dist.; desc. abruptly 95 ft.
21.00	Ravine, drains SW.; abrupt ascent of 95 ft.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.

27.20 Spur, projects westerly approximately 30.00 chs. dist., desc. 105 ft.

33.30 Ravine, drains southwesterly; asc. abrupt S. slope 130 ft. to

40.00 On top of spur, projecting S.80°W. approximately 30.00 chs. dist., set an iron post, 3 ft. long, 1 in. in diam., 4 ins. in the ground to bedrock, and in a mound of stone, 6 ft. base, 2½ ft. high, for ¼ sec. cor., with brass cap marked:

¼
S 29 | S 28
1924

from which,

A cedar limb, 8 ins. diam., bears S.69°15'E., 43 lks. dist., marked ¼ S 28 B T.

A cedar, 4 ins. diam., bears S.55°30'W., 31 lks. dist., marked ¼ S 29 B T.

53.80 Ravine, 185 ft. below ¼ sec. cor., drains W.; precipitous ascent of 410 ft. over rough SE. slope.

62.60 Top of broken and nearly perpendicular ledge, 20 ft. high, bears E. and W.

67.50 Spur, projects SW. approximately 12.00 chs. dist., thence westerly; desc. gradually 10 ft. along rough general W. slope to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 8 ins. in the ground to bedrock, and in a mound of stone, 6 ft. base, 2 ft. high, for cor. of secs. 20, 21, 28 and 29, with brass cap marked:

T16S	R26E
S20	S21
S29	S28

1924

from which,

A pinon pine, 8 ins. diam., bears N.49°30'E., 62 lks. dist., marked T 16 S R 26 E S 21 B T.

A pinon pine, 12 ins. diam., bears S.47°E., 54 lks. dist., marked T 16 S R 26 E S 28 B T.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	A cedar limb, 4 ins. diam., bears S.42°30'W., 12 lks. dist., marked T 16 S R 26 E S 29 B T.
	A cedar, 18 ins. diam., bears N.18°30'W., 84 lks. dist., marked T 16 S R 26 E S 20 B T.
	Land, abrupt and rough E. side of a fork of Bar X ($\overline{X}$) Canyon; shale, light and red colored sandstone formation; drainage W. and SW. into fork of Bar X ($\overline{X}$) Canyon.
	Soil, rocky, red sand and sandy loam, varying in depth from about 3 ins. to 3 ft., lying on a clay subsoil, shale or on bedrock; 2nd., 3rd. and 4th. rate.
	Timber, scattering to a medium growth of cedar and pinon pine.
	Undergrowth, shadscale, greasewood, yellow top, buck brush and service berry bushes.
	Fair growth of grass.
	S.89°53'W., on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line, at the cor. of secs. 19, 20, 29 and 30.
	Thence,
	N.89°53'E., on a true line bet. secs. 20 and 29.
	Over rough general NE. slope, through scattering timber and medium dense undergrowth; asc. 35 ft.
1.50	Spur, projects NE. approximately 7.00 chs. dist.; abrupt descent of 290 ft. over draws and low spurs, putting NE.
19.80	Ravine, drains SE.; asc. 20 ft.
21.90	Spur, projects S. about 3.00 chs. dist.; desc. 30 ft.
27.40	Draw, drains S.70°E.; asc. 60 ft.
32.90	Spur, projects SE. approximately 12.00 chs. dist.; desc. NE. slope 60 ft. to
39.95	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

Chains.	
	$\frac{1}{4}$ S 20 / S 29
	1924
	from which,
	A cedar, 18 ins. diam., bears N.50°30'E., 16 lks. dist., marked $\frac{1}{4}$ S 20 B T.
	A cedar, 5 ins. diam., bears S.23°E., 48 lks. dist., marked $\frac{1}{4}$ S 29 B T.
40.80	Dry wash, 30 lks. wide, 4 ft. deep, in the bottom of a fork of Bar X ($\overline{X}$) Canyon, 15 ft. below $\frac{1}{4}$ sec. cor., drains S.; asc. abrupt NW. slope 105 ft.
46.80	Spur, projects SW. approximately 7.00 chs. dist.; desc. 20 ft.
55.80	Ravine, drains SW.; asc. abrupt NW. slope 290 ft., over large boulders and series of broken and perpendicular ledges, 10 to 20 ft. high, bearing NE. and SW.
65.30	Spur, projects S.25°W. approximately 12.00 chs. dist.; leave series of ledges, bears NE. and SW.; desc. 75 ft
73.50	Ravine, drains SW.; asc. abrupt W. slope 145 ft. to
79.90	The cor. of secs. 20, 21, 28 and 29.
	Land, abrupt and rough sides of a fork of Bar X ($\overline{X}$) Canyon, draining generally to the S.; boulders, outcroppings and ledges of shale and sandstone formation.
	Soil, rocky, red sand and sandy loam, about 3 ins. to 4 ft. deep, lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.
	Timber, scattering to a medium growth of cedar and pinon pine.
	Undergrowth, buck brush, service berry bushes, sagebrush, shadscale and mountain rush.
	Fair growth of grass.
	East, on a true line bet. secs. 21 and 28.
	Asc. abruptly 30 ft., over rugged W. slope, through a medium growth of timber and undergrowth of sagebrush and mountain rush.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
[illegible]	Top of abrupt ascent, bears N. and S.; asc. gradually 5 ft.
3.00	Ridge, bears N. and S.; desc. gradual E. slope 10 ft.
5.80	Enter medium dense undergrowth of buck brush and service berry bushes, bears N. and S.; begin abrupt descent of 250 ft.
15.60	Ravine, drains N. about 6.00 chs. dist., thence NE.; asc. 15 ft.
20.10	Spur, projects NE. approximately 12.00 chs. dist.; abrupt descent of 305 ft.
21.30	Perpendicular ledge, 15 ft. high, bears N. and S.
25.30	Ravine, drains NE.; asc. 25 ft.
34.20	Spur, projects NE.; desc. gradual SE. slope 45 ft. to
37.69	Intersect the Utah-Colorado State Boundary Line, as defined by the witness cor. to the 165th. mile cor. of the 1921 resurvey and the witness cor. to the 164th. mile cor. of the 1885 resurvey, or angle point, hereinbefore described, according to record course, south 1.29 chs. dist. from the said witness cor. to the 165th. mile cor.; and at the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 4 ins. in the ground to bedrock, and in a mound of stone, 6 ft. base, 2 ft. high, for closing cor. of secs. 21 and 28, with brass cap marked:

U T16S
T CC S21 COLO
A S28
H R26E
1924

from which,

A pinon pine, 14 ins. diam., bears S.11°15'W., 136 lks. dist., marked T 16 S R 26 E S 28 C C B T.

A pinon pine, 7 ins. diam., bears N.17°W., 72 lks. dist., marked T 16 S R 26 E S 21 C C B T.

Land, abrupt and rough mountainous; shale and sandstone exposed in the form of outcroppings and ledges; drainage SW. to fork of Bar X ($\bar{X}$) Canyon, W. 3.00 chs.; E. 34.69 chs. drain NE. to Jim Canyon.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.

Soil, rocky, red sand and sandy loam, about 3 ins. to 2 ft. deep, lying on a clay subsoil, or on bedrock; 2nd. 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, buck brush, service berry bushes, sagebrush and mountain rush. Fair growth of grass and browse.

From the cor. of secs. 20, 21, 28 and 29,

N.0°01'E., bet. secs. 20 and 21.

Over rough mountainous land, through a medium dense growth of timber and undergrowth; asc. 50 ft. along W. slope.

10.40 Ridge, bears NW. and SE.; asc. 25 ft. across the head of ravine, draining E.

14.20 Spur, projects E. about 30.00 chs. dist.; desc. 420 ft.

29.10 Draw, drains NE.; asc. 30 ft.

33.30 Spur, projects NE. about 7.00 chs. dist.; desc. 25 ft.

33.80 Draw, drains E.; asc. 10 ft.

37.10 Spur, projects E. approximately 12.00 chs. dist.; desc. N. slope 35 ft. to

40.00 Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 20 | S 21

1924

from which,

A cedar, 6 ins. diam., bears N.40°30'E., 36 lks. dist., marked ¼ S 21 B T.

A cedar, 14 ins. diam., bears N.31°30'W., 39 lks. dist., marked ¼ S 20 B T.

From this cor., begin abrupt descent of 305 ft. over rugged NE. slope.

46.90 Perpendicular ledge, 30 ft. high, bears NW. and SE.

48.40 Stream of alkali water, 1 lk. wide, 1 in. deep, in the bottom of Jim Canyon, course SE.; precipitous ascent

Chains.

of 345 ft. over rugged SW. slope.

51.00 Top of nearly perpendicular ledge, 100 ft. high, bears E. and W.

52.70 Top of nearly perpendicular ledge, 100 ft. high, bears E. and W.

62.90 Top of abrupt ascent, bears NW. and SE.; asc. more gradually 125 ft., across the head of ravine, draining SW.

78.60 Spur, projects W. approximately 20.00 chs. dist.; desc. rough N. slope 30 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, with brass cap marked:

T16S	R26E
S17	S16
S20	S21

1924

from which,

A cedar limb, 10 ins. diam., bears N.48°30'E., 63 lks. dist., marked T 16 S R 26 E S 16 B T.

A pinon pine, 14 ins. diam., bears S.21°E., 68 lks. dist., marked T 16 S R 26 E S 21 B T.

A pinon pine, 5 ins. diam., bears S.36°30'W., 31 lks. dist., marked T 16 S R 26 E S 20 B T.

A pinon pine, 10 ins. diam., bears N.64°45'W., 65 lks. dist., marked T 16 S R 26 E S 17 B T.

Land, abrupt and mountainous with outcroppings and ledges of red and light colored sandstone formation; drainage SW. to fork of Bar X (X̄) Canyon, S. 10.40 chs.; N. 69.60 chs. drains generally to the SE. by Jim Canyon.

Soil, rocky, red sand and sandy loam, about 3 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, buck brush, service berry bushes, sagebrush, mountain rush, shadscale and yellow top.

Good grazing on greater portion of mile.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	S.89°53'W., on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
79.66	Intersect N. and S. line, 19 lks. N. of the cor. of secs. 17, 18, 19 and 20.
	Thence,
	N.89°45'E., on a true line bet. secs. 17 and 20.
	Over rough general NE. slope, through a medium growth of timber and undergrowth; asc. 10 ft.
1.10	Spur, projects northeasterly approximately 15.00 chs. dist.; desc. 170 ft.
5.70	Draw, drains N.15°E.; asc. 45 ft.
8.50	Spur, projects N.15°E. approximately 12.00 chs. dist.; desc. 45 ft.
10.30	Draw, drains N.15°E.; asc. 30 ft.
11.90	Spur, projects N.15°E. approximately 10.00 chs. dist.; desc. abruptly 215 ft.
23.80	Draw, drains N.15°E.; asc. 55 ft.
26.20	Spur, projects N.15°E. approximately 6.00 chs. dist.; desc. 130 ft.
29.90	Dry wash, 30 lks. wide, 4 ft. deep, in the bottom of Jim Canyon, from NW., drains NE.; asc. 10 ft.
36.20	Spur, projects N. about 1.00 chs. dist.; desc. 40 ft.
38.80	Dry wash, 40 lks. wide, 4 ft. deep, in the bottom of Jim Canyon, from NW., drains SE.; asc. W. slope 85 ft. to
39.83	Set an iron post, 3 ft. long, 1 in. in diam., 24 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 10 ins. high, for ¼ sec. cor., with brass cap marked:
	¼ S 17 / S 20
	1924.
	At the base of the monument, I deposit a sandstone, 9x6x1 ins., marked with a cross (X), as there are no trees available suitable for marking.
41.10	Perpendicular ledge, 25 ft. high, bears N. and S.

Chains.	
[illegible]	Spur, 85 ft. above ¼ sec. cor., projects S. approximately 7.00 chs. dist.; desc. 25 ft.
44.60	Draw, drains S.; asc. 60 ft.
[illegible]	Spur, projects S. about 15.00 chs. dist.; desc. 175 ft.
59.80	Fork of Jim Canyon, drains S.; asc. 420 ft. along N. slope of spur, to
79.66	The cor. of secs. 16, 17, 20 and 21.

Land, abrupt and mountainous; outcroppings and ledges of red and light colored sandstone formation; general drainage SE.

Soil, rocky, red sand and sandy loam, about 3 ins. to 4 ft. deep, lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, buck brush, service berry bushes, mountain rush and sagebrush. Fair growth of grass.

East, on a true line bet. secs. 16 and 21.

Asc. abruptly 230 ft. over rough general W. slope, through a medium dense growth of timber and undergrowth.

6.10	Spur, projects S.20°W. approximately 30.00 chs. dist.; precipitous descent of 515 ft. over rough E. slope.
27.50	Fork of Jim Canyon, drains S.20°W.; asc. abrupt W. slope 315 ft. over outcroppings to
37.37	Intersect the Utah-Colorado State Boundary Line, as defined by the 166th. mile cor. of the 1921 resurvey and the 165 9/16th. mile cor. of the 1885 resurvey, or angle point, hereinbefore described, according to record course, S.0°11'E. 3.09 chs. dist. from the said 166th. mile cor.; and at the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for closing cor. of secs. 16 and 21, with brass cap marked:

U T16S
T S16
A CC S21 COLO
H R26E
1924

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	and raise a mound of stone, 5 ft. base, 2 ft. high; t of cor. All trees within a reasonable distance are to scrubby for marking.
	Land, steep and rough mountainous, draining generally S to Jim Canyon; outcroppings and ledges of light and red colored sandstone formation.
	Soil, red sand and sandy loam, about 3 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.
	Timber, medium dense growth of cedar and scattering pinon pine.
	Undergrowth, medium dense growth of sagebrush, buck brush and service berry bushes, and scattering yellow top and mountain rush. Fair growth of grass.
	From the cor. of secs. 16, 17, 20 and 21, N.0°01'E., bet. secs. 16 and 17.
	Along rough general W. slope, through a meddium dense growth of timber and undergrowth; desc. 5 ft.
0.30	Draw, drains W.; asc. 15 ft.
3.90	Spur, projects W. about 15.00 chs. dist.; desc. 60 ft.
11.80	Draw, drains SW.; asc. 65 ft.
17.70	Top of nearly perpendicular ledge, 15 ft. high, bears E. and W.
18.90	Spur, projects W. approximately 15.00 chs. dist.; abrupt descent of 280 ft.
33.60	Ravine, drains SW.; precipitous ascent of 155 ft. over rough SW. slope to
40.00	Set an iron post, 3 ft. long, 1 in. in diam., 18 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 1 ft. high, for ¼ sec. cor., with brass cap marked:

$\frac{1}{4}$

S 17 | S 16

1924

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	from which,
	A cedar limb, 6 ins. diam., bears N.89°30'E., 71 lks. dist., marked ¼ S 16 B T.
	A cedar, 8 ins. diam., bears S.78°15'W., 72 lks. dist., marked ¼ S 17 B T.
53.40	Ridge, 330 ft. above ¼ sec. cor., bears N.60°W. and S.60°E.; desc. abruptly 505 ft., over draws and low spurs, putting NE., on general NE. slope.
53.60	Enter dense undergrowth of buck brush, sagebrush and service berry bushes, bears NW. and SE.
75.40	Draw, drains E.; abrupt ascent of 85 ft.
78.80	Spur, projects E. approximately 4.00 chs. dist.; desc. abrupt rough N. slope 50 ft. to
80.00	On top of a sloping, broken ledge, 20 ft. high, bearing E. and W., set an iron post, 3 ft. long, 2 ins. in diam., 6 ins. in the ground to solid rock, and in a mound of stone, 7 ft. base, 28 ins. high, for cor. of secs. 8, 9, 16 and 17, with brass cap marked:

T16S	R26E
S8	S9
S17	S16

1924

from which,

A pinon pine limb, 5 ins. diam., bears S.41°E., 54 lks. dist., marked T 16 S R 26 E S 16 B T.

A cedar, 16 ins. diam., bears S.58°45'W., 36 lks. dist., marked T 16 S R 26 E S 17 B T.

A pinon pine, 10 ins. diam., bears N.26°W., 56 lks. dist., marked T 16 S R 26 E S 8 B T.

There are no trees available in sec. 9; therefore, I deposit a sandstone, 10x8x3 ins., marked with a cross (X), at the base of the monument.

Land, steep and rough mountainous, draining SE. by Jim and Cottonwood Canyons; outcroppings and ledges of red and light colored sandstone formation.

Soil, rocky, red sand and sandy loam, varying in depth from about 3 ins. to 3 ft., lying on a clay subsoil or

Chains.	
	on bedrock; 2nd., 3rd. and 4th. rate.
	Timber, scattering to a medium growth of cedar and pin pine.
	Undergrowth, buck brush, sagebrush, service berry bush shadscale, yellow top and mountain rush.
	Fair growth of grass.
	S.89°45'W., on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
79.64	Intersect N. and S. line, 21 lks. S. of the cor. of sec 7, 8, 17 and 18.
	Thence,
	N.89°54'E., on a true line bet. secs. 8 and 17.
	Asc. abruptly 35 ft. over rough SW. slope, through a medium growth of timber and undergrowth.
1.20	Ridge, bears NW. and SE.; abrupt descent of 190 ft. over rough NE. slope.
8.60	Leave timber, bears NW. and SE.
8.80	Leave undergrowth of buck brush, mountain rush and service berry bushes, bears NW. and SE., and enter dense sagebrush, at the base of abrupt descent, bearing NW. and SE.; desc. gradually 130 ft. over bench.
21.40	Leave sagebrush, bears NW. and SE., and enter a medium growth of buck brush, mountain rush and service berry bushes.
21.60	Enter a medium growth of timber, bears NW. and SE.; leave bench, bears NW. and SE.; begin abrupt descent of 145 ft. over NE. slope.
28.70	Draw, drains NE.; asc. 30 ft.
31.00	Spur, projects N.25°E. approximately 12.00 chs. dist.; desc. SE. slope 180 ft. to
39.82	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

$$\frac{1}{4}\,\frac{S\ 8}{S\ 17}$$

1924

Chains.	
	from which,
	A pinon pine, 6 ins. diam., bears N.33°E., 30 lks. dist., marked ¼ S 8 B T.
	A cedar, 12 ins. diam., bears S.6°W., 12 lks. dist., marked ¼ S 17 B T.
42.40	Draw, 105 ft. below ¼ sec. cor., drains N.10°E.; asc. 90 ft.
47.50	Spur, projects N. about 20.00 chs. dist.; desc. 120 ft.
54.00	Draw, drains N.10°E.; asc. 30 ft.
55.70	Spur, projects N.20°E. approximately 12.00 chs. dist.; desc. 120 ft.
65.50	Draw, drains N.; asc. 45 ft.
67.60	Spur, projects N. approximately 6.00 chs. dist.; desc. 150 ft.
77.70	Draw, drains N.; asc. 10 ft. along N. slope to
79.64	The cor. of secs. 8, 9, 16 and 17.
	Land, steep and mountainous; outcroppings and ledges of red and light colored sandstone formation; drainage SE. by Jim and Cottonwood Canyons.
	Soil, rocky, red sand and sandy loam, about 3 ins. to 3 ft. deep, lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.
	Timber, cedar and pinon pine.
	Undergrowth, buck brush, service berry bushes, sagebrush and mountain rush.
	Fair grazing land.
	East, on a true line bet. secs. 9 and 16.
	Desc. abruptly 140 ft. along rough N. slope, through scattering timber and medium dense undergrowth.
0.40	Top of broken and sloping ledge, 15 ft. high, bears NW. and SE.
4.90	Dry wash, 40 lks. wide, 5 ft. deep, in the bottom of Cottonwood Canyon, drains SE.; asc. abruptly 405 ft. over rugged SW. slope.
12.50	Base of a series of broken and perpendicular ledges, 5

Chains.	
	to 15 ft. high, bears NW. and SE.
20.60	Leave series of ledges, bears N. and S.
21.10	Spur, projects S. about 7.00 chs. dist.; desc. 20 ft.
22.10	Draw, drains S.10°W.; asc. 45 ft.
32.00	Spur, projects southeasterly; desc. abruptly 180 ft., over rough NE. slope to closing sec. cor.
32.50	Enter heavy timber, bears NW. and SE.
37.07	Intersect the Utah-Colorado State Boundary Line, as defined by the witness cor. to the 167th. mile cor. and the 166th. mile cor. of the 1921 resurvey, hereinbefore described, according to record course, S.0°11'E. 3.10 chs. dist. from the said witness cor. to the 167th. mile cor.; and at the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins in the ground, for closing cor. of secs. 9 and 16, with brass cap marked:

U T16S
T S9
A CC S16 COLO
H R26E
1924

from which,

A cedar limb, 8 ins. diam., bears S.65°15'W., 86 lks. dist., marked T 16 S R 26 E S 16 C C B T.

A cedar, 6 ins. diam., bears N.61°W., 22 lks. dist., marked T 16 S R 26 E S 9 C C B T.

Land, steep and mountainous; rugged with outcroppings and ledges of red and light colored sandstone formation; general drainage SE. by Cottonwood Canyon.

Soil, rocky, red sand and sandy loam, varying in depth from about 3 ins. to 5 ft., lying on a clay subsoil, or on bedrock; 2nd., 3rd. and 4th. rate.

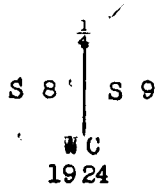
Timber, cedar and pinon pine.

Undergrowth, buck brush, sagebrush, service berry bushes and mountain rush.

Fair growth of grass.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	From the cor. of secs. 8, 9, 16 and 17, N.0°01'E., bet. secs. 8 and 9.
	Desc. abruptly 130 ft. over rough N. slope, through scattering timber and medium dense undergrowth.
2.00	Dry wash, 40 lks. wide, 5 ft. deep, in the bottom of Cottonwood Canyon, drains S.60°E.; asc. abruptly 160 ft. over rough general SW. slope.
15.50	Spur, projects W. approximately 6.00 chs. dist.; enter a medium growth of timber, bears E. and W.; along rough W. slope of main spur, projecting S.; desc. 120 ft.
20.40	Draw, drains W.; asc. abruptly 330 ft.
28.00	Top of nearly perpendicular ledge, 15 ft. high, bears N.20°W. and S.20°E.
32.80	Spur, projects W. approximately 8.00 chs. dist.; desc. 90 ft.
40.00	True point for ¼ sec. cor. falls in the bottom of dry wash, 20 lks. wide, 4 ft. deep, in draw, draining W.; cor. not set; asc. abrupt S. slope 10 ft. to
40.23	Set an iron post, 3 ft. long, 1 in. in diam., 10 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, 20 ins. high, for witness ¼ sec. cor., with brass cap marked:



from which,

A cedar, 14 ins. diam., bears S.68°15'W., 7 lks. dist., marked W C ¼ S 8 B T.

There are no trees within a reasonable distance suitable for marking; therefore, I deposit a sandstone, 14x8x6 ins., marked with a cross (X), at the base of the monument.

41.40	Spur, 35 ft. above witness ¼ sec. cor., projects W. approximately 10.00 chs. dist.; desc. 45 ft.
46.00	Draw, drains W.; asc. 30 ft.

Chains.

48.60 Spur, projects W. approximately 12.00 chs. dist.; des
80 ft.

55.50 Draw, drains S.70°W.; asc. abruptly 290 ft.

74.00 Spur, projects W. approximately 12.00 chs. dist.; abr
descent of 115 ft. to

80.00 Set an iron post, 3 ft. long, 2 ins. in diam., 24 ins.
in the ground to bedrock, and in a mound of stone, 4
ft. base, 10 ins. high, for cor. of secs. 4, 5, 8 an
9, with brass cap marked:

T16S	R26E
S5	S4
S8	S9

1924

from which,

A cedar, 10 ins. diam., bears N.8°E., 96 lks. dist., marked T 16 S R 26 E S 4 B T.

A cedar, 10 ins. diam., bears S.29°30'E., 86 lks. dist., marked T 16 S R 26 E S 9 B T.

A cedar, 30 ins. diam., bears S.17°15'W., 48 lks. dist., marked T 16 S R 26 E S 8 B T.

A pinon pine limb, 6 ins. diam., bears N.73°30'W. 60 lks. dist., marked T 16 S R 26 E S 5 B T.

Land, abrupt and rough with outcroppings and ledges of red and light colored sandstone formation; S. side of Cottonwood Canyon, S. 2.00 chs., and E. side of a fork of Cottonwood Canyon, N. 78.00 chs.; general drainage SE.

Soil, rocky, red sand and sandy loam, about 3 ins. to 4 ft. deep, lying on a clay subsoil, or on bedrock; 2nd. 3rd. and 4th. rate.

Timber, cedar and pinon pine.

Undergrowth, buck brush, sagebrush, service berry bushes and yellow top.

Fair growth of grass.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
	S.89°54'W., on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
79.52	Intersect N. and S. line, 28 lks. S. of the cor. of secs. 5, 6, 7 and 8.
	Thence,
	S.89°54'E., on a true line bet. secs. 5 and 8.
	Asc. abrupt general SW. slope 570 ft., over large boulders, outcroppings and series of broken and perpendicular ledges, 5 to 100 ft. high, bearing NW. and SE., through scattering timber and mountain rush undergrowth.
4.40	Enter heavy timber, bears NW. and SE.
4.60	Enter medium dense undergrowth of service berry bushes, oak and buck brush, bears NW. and SE.
15.70	Spur, projects SW. approximately 20.00 chs. dist.; desc. 40 ft. over large boulders, outcroppings and broken ledges, 5 to 20 ft. high, bearing N.60°E. and S.60°W.
22.80	Leave boulders and ledges, bear NE. and SW.
23.00	Ravine, drains SW.; precipitous ascent of 220 ft. over rough general SW. slope.
29.00	Perpendicular ledge, 100 ft. high, bears NW. and SE.
31.30	Spur, projects S.20°E. approximately 80.00 chs. dist.; desc. abrupt NE. slope 310 ft. to ¼ sec. cor., over large boulders, outcroppings, and series of broken and perpendicular ledges, 5 to 100 ft. high, bearing N.20°W. and S.20°E.
39.76	Set an iron post, 3 ft. long, 1 in. in diam., 20 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, 1 ft. high, for ¼ sec. cor., with brass cap marked:

$$\frac{1}{4}\ \frac{S\ 5}{S\ 8}$$

1924

from which,

A pinon pine, 12 ins. diam., bears N.36°E., 43 lks. dist., marked ¼ S 5 B T.

A pinon pine, 10 ins. diam., bears S.66°W., 19 lks. dist., marked ¼ S 8 B T.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.

57.40 Draw, 540 ft. below ¼ sec. cor., drains N. about 2.00 chs. dist. to fork of Cottonwood Canyon; asc. 10 ft.

59.60 Spur, projects N. approximately 2.00 chs. dist.; desc. 85 ft.

62.60 Fork of Cottonwood Canyon, drains SE.; asc. abrupt W. slope 185 ft., over boulders, outcroppings, and seri of broken and perpendicular ledges, 5 to 25 ft. high bearing N. and S.

68.70 Spur, projects S. approximately 6.00 chs. dist.; leave series of ledges, bears N. and S.; desc. abrupt rough SE. slope 135 ft..

77.40 Rugged ravine, drains S.60°W.; precipitous ascent of 55 ft. over general N. slope to

79.52 The cor. of secs. 4, 5, 8 and 9.

Land, steep and rugged; red and light colored sandstone formation; general drainage S. to Cottonwood Canyon, thence SE.

Soil, shallow red sand and sandy loam, lying on bedrock

Timber, cedar and piñon pine; few scattering balsam.

Undergrowth, oak and buck brush, service berry bushes and mountain rush.

Fair growth of grass.

East, on a true line bet. secs. 4 and 9.

Precipitous ascent of 705 ft. along S. side of ravine, draining W., over boulders and outcroppings, through heavy timber and medium dense undergrowth.

21.50 Rugged spur, projects S.20°W.; desc. abrupt general E. slope 265 ft., over boulders, outcroppings and series of broken and perpendicular ledges, 10 to 100 ft. high bearing NE. and SW.

32.30 Fork of Cottonwood Canyon, drains S.15°E.; asc. abrupt SW. slope 130 ft. to closing sec. cor., over series of perpendicular ledges, 10 to 80 ft. high, bearing NW. and SE.

Survey of the Subdivision of T. 16 S., R. 26 E.

Chains.	
36.75	Intersect the Utah-Colorado State Boundary Line, as defined by the witness cor. to the 167th. mile cor. and the witness cor. to the 168th. mile cor. or angle point of the 1921 resurvey, hereinbefore described, according to record course, S.0°11'E. 11.11 chs. dist. from the said witness cor. to the 168th. mile cor. or angle point; and at the point of intersection, set an iron post, 3 ft. long, 2 ins. in diam., 27 ins. in the ground, for closing cor. of secs. 4 and 9, with brass cap marked: U T16S T CC S4 COLO A S9 H R26E 1924 from which, A cedar limb, 5 ins. diam., bears S.7°30'W., 48 lks. dist., marked T 16 S R 26 E S 9 C C B T. A cedar, 4 ins. diam., bears N.76°30'W., 10 lks. dist., marked T 16 S R 26 E S 4 C C B T. Land, steep and rugged; red and light colored sandstone formation; general drainage S. to Cottonwood Canyon, thence SE. Soil, shallow red sand and sandy loam, lying on bedrock. Timber, cedar and pinon pine; few scattering balsam. Undergrowth, oak and buck brush, service berry bushes and mountain rush. Fair growth of grass.
	From the cor. of secs. 4, 5, 8 and 9, N.0°02'W., on a random line bet. secs. 4 and 5.
40.00	Set temp. ¼ sec. cor.
80.31	Intersect the N. bdy. of the Tp., 51 lks. W. of the cor. of secs. 4, 5, 32 and 33, hereinbefore described. Thence, S.0°20'W., on a true line bet. secs. 4 and 5. Asc. abruptly 230 ft. over rough general NE. slope, through dense undergrowth of oak and buck brush, service berry bushes and mountain rush.

Survey of the Subdivision of Tp 16 S., R. 26 E.

Chains.	
19.00	Spur, projects E. approximately 10.00 chs. dist., then northeasterly; desc. 20 ft.
21.70	Draw, drains E.; asc. 65 ft.
26.30	Spur, projects E. about 15.00 chs. dist.; desc. 60 ft.
37.80	Draw, drains N.60°E.; asc. NW. slope 55 ft. to
40.31	Set an iron post, 3 ft. long, 1 in. in diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked:

¼

S 5 | S 4

1924

At the base of the monument, I deposit a sandstone, 5x4x4 ins., marked with a cross (X). Other accessories impracticable.

54.40	Ridge, 180 ft. above ¼ sec. cor., bears easterly and N.60°W.; leave dense undergrowth, bears E. and NW., and enter a medium dense growth of buck brush, service berry bushes and mountain rush; precipitous descent of 765 ft. over rugged general S. slope, through scattering timber.
58.40	Top of nearly perpendicular ledge, 75 ft. high, bears E. and W.; enter medium dense timber, bears E. and W.
62.20	Perpendicular ledge, 100 ft. high, bears E. and W.
72.10	Draw, drains SE.; asc. 20 ft.
73.00	Spur, projects S.70°E. approximately 10.00 chs. dist.; abrupt descent of 190 ft. over series of nearly perpendicular ledges, 10 to 30 ft. high, bearing E. and W.
79.50	Rugged ravine, drains W.; asc. rough N. slope 40 ft. to
80.31	The cor. of secs. 4, 5, 8 and 9.

Land, steep and rough; red and light colored sandstone formation; drainage N. and NE. to Hell's Hole Canyon, N. 54.40 chs.; S. 25.91 chs. drain generally S. to Cottonwood Canyon.

Soil, shallow, red sand and sandy loam, lying on bedrock, S. 25.91 chs., and about 2 to 4 ft. deep, lying on a clay subsoil, or on bedrock, N. 54.40 chs.; 2nd., 3rd. and 4th. rate.

Survey of the Subdivision of T. 16 S., R. 26 E.

Timber, cedar and pinon pine; a few scattering balsam.

Undergrowth, oak and buck brush, service berry bushes and mountain rush.

Sparse growth of grass, S. 25.91 chs.; fair grazing of grass and browse, N. 54.40 chs.

Latitudes, Departures and Closing Errors.

Line Designated.	True Bearing.	Distance.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		Chs.	Chs.	Chs.	Chs.	Chs.
West bdy. of Tp.	North	480.00	480.00			
North bdy. of Tp.	East	196.05			196.05	
East bdy. of Tp.: Portion of 169th. mile of 1921 resurvey.	S.0°03'W.	69.12		69.12		0.06
From witness cor. 168 M or A P 1921 resurvey to 165 9/16 M 1885 resurvey or A P.	S.0°11'E.	200.52		200.52	0.64	
From 165 9/16 M 1885 resurvey or AP to W C 164 M 1885 resurvey or A P.	South	101.24		101.24		
From W C 164 M 1885 resurvey or A P to Closing Cor. Tps. 16 & 17 S., R. 26 E	S.0°24'E.	109.18		109.18	0.76	
South bdy. of Tp.	West	198.28				198.28
Convergency					0.25	
Totals.....			480.00	480.06 480.00	197.70	198.34 197.70
Errors in lat. and dep.....				0.06		0.64

General Description.

The land in portions of sections thirty-one, thirty-two and thirty-three is located on the north edge of a valley, and may be classed as rolling, while the greater part of the township lies in a range of mountains known as the Book Mountains or Book Cliffs, and is very abrupt and rough with outcroppings and series of ledges of sandstone and shale formation. The principal canyons are Bar X ($\bar{X}$), Jim, Cottonwood and Hell's Hole, which drain generally southeasterly into Prairie Canyon and West Salt Wash, located in Colorado. The township has a general southern exposure, an approximate range of elevation above sea level from five thousand to eight thousand feet, and the general average of the magnetic declination throughout the township is fifteen

General Description.

degrees and forty-one minutes east. Numerous seams or veins of coal are exposed on the sides of Bar X ($\bar{X}$), Jim and Cottonwood Canyons, some of which being three to ten feet in thickness, and it is probable that the greater part of the township is underlaid with coal. There are no indications of other mineral or oil, but the seeps of water in Hell's Hole Canyon appear to be oily. A prominent high peak, capped with a ledge outcropping, is located in the southwest quarter of the northeast quarter of section thirty-one, and can be seen from the surrounding country for many miles distant.

On the rolling land, the soil is a gravelly, light red sandy loam, about two to four feet deep, lying on a hard dark clay subsoil, or on a fine shale, on slopes, and a red sandy loam, several feet deep, in the bottoms of draws and swales; first to third rate. The soil on the mountainous portion is a rocky, red sand and sandy loam, varying in depth from about three inches to five feet, lying on a clay subsoil, or on bedrock; first to fourth rate.

The township is covered with a scattering to a heavy growth of cedar and pinon pine timber, and considerable balsam grows on the north two tiers of sections, and particularly so, along the bottom and on the sides of Cottonwood Canyon, in these sections. Although the name of this canyon is Cottonwood, there is only one Cottonwood tree in the canyon. A few maple and boxelder trees are also found along the bottom of Cottonwood Canyon.

A scattering to a dense growth of sagebrush, shadscale, yellow top and greasewood grows on the rolling land, in sections thirty-one, thirty-two and thirty-three, while in the mountains, there is a medium to a dense growth of oak and buck brush, service berry bushes and mountain rush.

General Description.

All of the land is unfit for farming, but the township as a whole is adapted for grazing purposes; and there is a fair to a good growth of grass and browse on the greater portions of the sections. The range is suitable for sheep or cattle, and the land is stocked with the latter at present. Nearly all of the south four tiers of sections are being used as a spring and fall range, and about all of the north two tiers of sections as a summer range.

There are no springs in the township. The water in the bottoms of the canyons is alkaline and unfit for culinary purposes, but cattle do fairly well on it, while horses get poor. Stock that graze on the south four tiers of sections rely mostly on snow, and water stored in reservoirs, located in the valley just south of the south boundary of the township. The water is located in the township as follows: A small stream in the bottom of Hell's Hole Canyon flows through lot one of section four. A small stream in the bottom of ravine flows through lots two, three and four of section six. A stream in the bottom of Cottonwood Canyon flows through lot two, southwest quarter of the northeast quarter, north half of the southeast quarter and the southeast quarter of the southeast quarter of section six, northeast quarter of the northeast quarter of section seven, northwest quarter of the northwest quarter, south half of the northwest quarter, northeast quarter of the southwest quarter, northwest quarter of the southeast quarter and the south half of the southeast quarter of section eight. A small stream in the bottom of Jim Canyon flows through the southeast quarter of the northeast quarter of section twenty and the southwest quarter of the northwest quarter of section twenty-one.

Horace Violett, the only settler in the township, is

located in the northeast quarter of the southeast quarter of section thirty-two. He has built a two room frame house, five large corrals, sheds, two water cisterns, and has done considerable fencing. There is no land under cultivation in the township.

The only road in the township bears in a southerly direction from Horace Violett's ranch house to the Pike's Peak-Ocean to Ocean Highway. There are a great many stock trails throughout the township.

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Stewart C. Campbell	1st. Assistant.
John Loader	2nd. Assistant.
Kermit C. Bradley	Cornerman.
Hans Blohm	Axman.
Clark Green	Flagman.

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, J. C. Clark, U. S. Surveyor, hereby certify upon honor that, in

of special instructions received from the U. S. Surveyor General for Utah

bearing date of the 26th. day of February, 1921, I have well, faithfully,

in my own proper person, 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 South and

Boundaries, and the Subdivision of T. 16 S., R. 26 E.; retracement

the Utah-Colorado State Boundary Line from the 163rd. Mile Corner

the Witness Corner of the 169th. Mile Corner of the 1921 Resurvey

the establishment of Quarter Section Corners on the Utah-Colorado

Boundary Line, on the East Boundary of T. 16 S., R. 26 E. of

Lake Base and Meridian, in the State of Utah, which are represented

and date diagram on page 1 of same on the dates shown on said diagram

the foregoing field notes as having been executed by me, and under my direction; and that all the corners

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

such survey. Certified to at Salt Lake City, Utah, March 14, 1925

J. C. Clark

U. S. Surveyor

APPROVAL.

OFFICE OF THE UNITED STATES Supervisor of Surveys.

Denver, Colorado, June 26, 1926.

The foregoing field notes of the survey of the south and north boundaries and the subdivisions of T. 16 S., R. 26 E.; retracement of the Utah-Colorado State boundary line from the 163rd mile corner to the witness corner of the 169th mile corner of the 1921 resurvey, and the establishment of quarter section corners on the Utah-Colorado State boundary line, on the east boundary of T. 16 S., R. 26 E. of the Salt Lake Base and Meridian, in the State of Utah

executed by J. C. Clark, U. S. Surveyor

under his special instructions dated February 26, 1921, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

Marion Johnson

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.~~

~~U. S. Surveyor~~

BOOK A-476

FIELD NOTES

OF THE

RETRACEMENT OF BOUNDARIES AND PARTIAL SUBDIVISION-OF-SECTIONS 30 and 31, T. 34 S., R. 5 W.; AND METES-AND-BOUNDS SURVEY OF TRACT NO. 57 IN SECTIONS 30 and 31, T. 34 S., R. 5 W.

Of the SALT LAKE BASE AND *Meridian,*

the State of U T A H

EXECUTED BY

ANDREW NELSON, U.S. CADASTRAL ENGINEER.

the capacity of U. S. Surveyor under instructions dated Sept. 28,1922

ued by the United States Surveyor General to govern surveys included in oup No 130 *, which were approved by the Commissioner of the General Land ice,* Oct. 27, 1922

signment Instructions dated Sept. 24, 1924.

Survey commenced September 26,1924

Survey completed October 2, 1924.

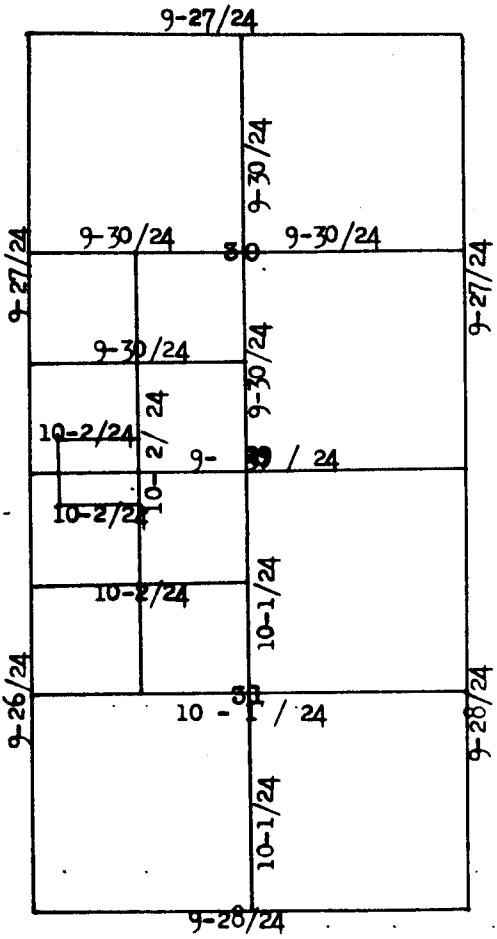
INDEX DIAGRAM.

Township ....., *Range* .....

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Date Diagram of T. 34 S., R. 5 W.

DATE DIAGRAM.



Surveyed by Andrew Nelson, U.S. Cadastral Engineer.

BOOK A-476

4—679 b

INDEX DIAGRAM.

. Township 34 S., Range 5 W.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
264					
263 268	267 264	29	28	27	26	25
266					
269					
262	31 269 265	32	33	34	35	36
261					

6—1817

Track 37 page 270-272.

Test of Instrument, T. 34 S., R. 5 W.

Survey commenced September 26, 1924, and executed with a Buff & Buff transit No. 9978, equipt with Smith solar attachment and full vertical circle. The horizontal limb is 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 circle.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for Utah, conditional upon satisfactory field tests, in assignment instructions dated Sept. 24, 1924.

I examine the adjustments of the transit and find no 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 observations on Polaris I proceed as follows:

Sept. 27th: At the $\frac{1}{4}$ sec. cor. bet. secs. 29 and 30, T. 34 S., R.5 W., in approximate latitude 37°50' N., longitude 112° 26' W., at apparent noon with the instrument in the meridian I make an observation 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' east limb.

Mean observed altitude ----------	50° 26' 00"
Reduced latitude ----------	37° 50' 02"
Mean watch time of observation -------	12h 17m 33s
Watch fast of local mean time --------	26m 32s

At approximate appt. noon with the instrument still in the meridian, I set off 1°44' S. on the decl. arc, observe the sun on the meridian; the resulting lat. is 37°49½' N., which agrees closely with the computed latitude of the station.

At 4h 0m p.m., app.t., at the above station, I set off 37°49½'N. on the lat. arc; 1°47¼'S. on the decl. arc, and determine a meridian with the solar, noting a flag N. about 25 chs. distant, bears N. 0°25' E.

At the same station at 6h 6m p.m., l.m.t., I make an hour angle observation on Polaris, east of the meridian, two each with the telescope in direct and reversed position, reading the horizontal deflection angle from flag about 25 chs. N., in direction E. to Polaris.

Watch time of observation = 6h32m39s p.m.

Mean horizontal angle from Polaris to flag=0°57'30".

Azimuth of Polaris = 1°23'30".

True bearing of flag = N. 0°26'00" E.

Sept. 28th: At 8h 30m A.M. at the same station, with the lat. arc unchanged, I set off 2°03'S. on the decl. arc, and determine a meridian with the solar, noting that the reference flag bears N. 0°25' E.

As all the solar observations made during the usual hours of solar work come within 1'30" of the true meridian, I conclude that the instrument is in satisfactory adjustment.

MEASUREMENTS:

All measurements are made with a Lallie steel ribbon tape, 5 chains in length, compared with a Lufkin standard steel tape 1 chain in length, and found correct. The measurements are made on the slope, the vertical angle determined by clinometers and the slope measurements properly reduced to true horizontal distances, which only appear in these notes.

ORDER AND PROCEDURE:

The boundaries of sections 30 and 31, T.34 S., R.5 W., are retraced and all missing corners thereom restored Sufficient subdivision-of-section lines are also surveyed in order to segregate tract No. 37 by metes-and-bounds survey from a portion of lot 4, sec. 30 , and lot 1, sec. 31.

In the subdivision of these sections the legal center of each section was first determined by running straight lines from quarter-section corners of the particular section to the opposite corresponding quarter-section corner. The point of intersection of the lines thus run determine the legal point for the interior quarter-section corners.

The sixteenth-section corners are established midway between section corners and quarter-section corners on the boundaries of the secs. and between quarter-section corners and center of secs., except in west half of both secs. closing upon W. bdy. of tp., where they are established at proportionate points.

The subdivision of quarter-sections into quarter-quarter sections is determined by running straight lines between opposite corresponding sixteenth-section cors. The point of intersection of the lines thus run determines the legal point for the interior sixteenth-section cors.

Retracement of S. Bdy. Sec. 31, T.34 S.,R.5 W.

From the cor. of secs. 5, 6, 31 and 32 on S. bdy. of tp., which is a volcanic stone, showing 8x12x10 ins. above ground, firmly set, marked with 5 notches on E. and 1 notch on W. edge, witnessed by 2 bearing trees as follows:

Chains

A cedar, 12 ins.diam.,bears S.15°W., 77 lks. dist.,marked S6 (this tree dead)

A pinon, 8 ins.diam.,bears N.63½°W., 25 lks. dist.,marked S31 BT

The NE. and SE. bearing trees having been cut down and the SW. tree dead,I mark new trees as follows:

A pinon, 8 ins.diam.,bears N.39°E., 108 lks. dist.,marked T34S R5W S32 BT

A cedar, 8 ins.diam.,bears S.54½°E., 147½ lks. dist.,marked T35S R5W S5 BT

A pinon, 8 ins.diam.,bears S.51½°W., 109 lks. dist.,marked T35S R5W S6 BT

Thence,

West, retracing along S. bdy. of T.34 S., R. 5 W., bet. sec. 6 and 31.

39.98 Fall 20 lks. S. of the ¼ sec. cor., a volcanic stone, 16x12x4 ins., set in a small mound of stone, marked ¼ on N. face, from which original bearing tree,

A cedar, 14 ins.diam.,bears S.62½°W., 88 lks. marked ¼ S BT

No evidence of other bearing tree could be found, therefore I mark

A pinon, 14 ins.diam.,bears N.62°W., 135 lks. ¼ S31 BT

The bearing and distance of B. ½ mile is therefore N. 89°43' W., 39.98 chs.

Continue West, from transit station 20 lks. S. of ¼ sec. cor., with continuous measurement.

80.10 Fall 28 lks. S. of the cor. of Ts. 34 and 35 S., Rs. 5 and 6 W., a volcanic stone, 14x10x6 ins., set in small mound of stone, marked with 6 notches on N., S., E. and W. edges, witnessed by 4 bearing trees as follows:

A pinon, 8 ins.diam.,bears N.11½°E., 114 lks. dist.

A pinon, 8 ins.diam.,bears S.84½°E., 264 lks. dist.

Chains

A pinon, 6 ins.diam., bears S.79¼°W., 230 lks. dist.,

A cedar, 10 ins.diam., bears N.58½°W., 58 lks. dist.

All bearing trees marked correctly.

The bearing and distance of W. ½ mile is therefore N. 89°53' W., 40.12 chs.

Retracement of W. Bdrs. Secs. 30 and 31, T.34 S., R.5 W.

From the cor. of Ts. 34 and 35 S., Rs. 5 and 6 W.

North, retracing bet. secs. 31 and 36, on W. bdy. of t

39.38 Fall 17 lks. W. of the ¼ sec. cor., a volcanic stone, 14x10x6 ins., lying on the ground, marked ¼ on one f unwitnessed. I reset stone firmly in the ground, wit mark ¼ to W., and take bearing trees as follows:

A pinon, 10 ins.diam., bears S.33½°E., 31 lks. dist., marked ¼ S31 BT

A cedar, 14 ins.diam., bears N.65¼°W., 56 lks. dist., marked ¼ S36 BT

The bearing and distance of S. ½ mile is therefore N. 0°15' E., 39.38 chs.

Continue North, from transit station 17 lks. W. of ¼ sec. cor., with continuous measurement.

78.76 Fall 34 lks. W. of the cor. of secs. 25, 30, 31 and 36, a sandstone, 14x10x6 ins., firmly set in the ground, marked with 1 notch on S., 5 notches on N. and 6 notches on E. edge, unwitnessed. I take bearing trees as follows:

A cottonwood, 12 ins.diam., bears S.76½°E., 101 lks.dist., marked T34S R5W S31 BT.

A cottonwood, 8 ins.diam., bears S.15°W., 83 lks. dist., marked T34S R6W S36 BT

No other suitable trees available.

Chains

Corner stands in level canyon bottom on line of N. and S. fence and 90 lks. S. of Panguitch Creek, draining nearly E.

The bearing and distance of N. ½ mile is therefore N. 0°15' E., 39.38 chs.

From the cor. of secs. 25, 30, 31 and 36.

North, retracing bet. secs. 25 and 30.

39.14 Fall 8 lks. W. of the ¼ sec. cor., a volcanic stone, 20x6x5 ins., set in a small mound of stone, marked ¼ on W. face, unwitnessed. I mark bearing tree as follows:

A pinon, 7 ins.diam.,bears S.45°E., 100 lks. dist.,marked ¼ S30 BT

Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor. No suitable tree available in sec. 25.

The bearing and distance of S. ½ mile is therefore N. 0°07' E., 39.14 chs.

Continue North, from transit station 8 lks. W. of ¼ sec. cor., with continuous measurement.

79.87 Fall 41 lks. W. of the cor. of secs. 19, 24, 25 and 30, a granite stone, 16x10x6 ins., above ground, firmly set, marked with 4 notches on N., 2 notches on S., 6 notches on E. and 6 notches on W. edge. The two original bearing trees have been cut down; no suitable trees available.

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

The bearing and distance of N. ½ mile is therefore N. 0°28' E., 40.73 chs.

Retracement and resurvey of Portion of Subdivision, T. 34 S., R. 5 W.

Retracement and Resurvey of Portion of Subdivision o:
T. 34 S., R. 5 W.

Chains

From the cor. of secs. 19, 24, 25 and 30.

East, retracing bet. secs. 19 and 30.

39.90 Fall 9 lks. S. of the ¼ sec. cor., a volcanic stone, 6x10x8 ins. above ground, firmly set, marked ¼ on N. face, witnessed by a small mound of stone N. of cor.

The bearing and distance of W. ½ mile is therefore N. 89°52' E., 39.90 chs.

Continue East, from transit station 9 lks. S. of ¼ sec cor., with continuous measurement.

79.42 Fall 126 lks. S. of point for cor. of secs. 19, 20, 29 and 30, (no corner monument could be found) identif by two settlers owning adjacent land as the site of original cor. and being in line of old E. and W. fen and in line with a fence extending northerly from th ¼ sec. cor. of secs. 29 and 30 to within about 12 ch of this recognized cor. point. The fences have been standing for many years and settlers claim to have seen the cor. monument numerous times up to within th last two years. Therefore at this point,

Set a granite stone, 24x10x7 ins., 22 ins. in the groun for restored cor. of secs. 19,20,29 and 30, marked 2 notches on S. and 5 notches on E. edge. I deposit broken crockery, glass and pieces of iron at base of monument. No other accessories available. No iron post available.

The bearing and distance of E. ½ mile is therefore N. 88°18' E., 39.54 chs.

From cor. of secs. 19, 20, 29 and 30.

South, retracing bet. secs. 29 and 30.

40.24 Fall 20 lks. E. of the point for ¼ sec. cor., (no cor. monument could be found)recognized by adjacent land owners as the point for ¼ sec. cor., and being at center of west end of lane (and road) and midway bet. cor. of old fences from E. and N., and cor. fence

Chains

fences bearing E. and S. Therefore at this point,

Set an iron post, 1 in. dia., 3 ft. long, 30 ins. in the ground, for restored ¼ sec. cor., with brass cap marked

¼
S30 | S29
1924

Deposit broken glass, pottery and pieces of iron at base of post. Other accessories impracticable.

The bearing and distance of N. ½ mile is therefore S. 0°17' W., 40.24 chs.

Thence, from the ¼ sec. cor. with continuous measurement.

S. 0°34' W., for visible signal at cor. of secs. 29,30, 31 and 32.

80.28 Intersect the cor. of secs. 29, 30, 31 and 32, a granite stone, 16x12x6 ins., loosely set in ground, marked with 1 notch on S. and 5 notches on E. edge, unwitnessed. The original bearing trees have been cut down. I reconstruct cor as follows:

Alongside stone cor., set an iron post, 3 ft. long, 2 ins. dia., 30 ins. in the ground, for cor. of secs. 29, 30, 31 and 32, with brass cap marked

T34S	R5W
S30	S29
S31	S32

1924

Deposit broken glass at base of post. Other accessories impracticable.

Cor. stands in line of N. and S. fence on S. edge of gate and 18 lks. N. of W. end of fence from E.

The bearing and distance of S. ½ mile is therefore S. 0°34' W., 40.04 chs.

From the cor. of secs. 29, 30, 31 and 32.

South, retracing bet. secs. 31 and 32.

39.80 Fall 13 lks. W. of the ¼ sec. cor., a volcanic stone,

Chains	
	16x12 x8 ins., firmly set in small mound of stone, marked ¼ on W. face, unwitnessed.
	Raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
	The bearing and distance of N. ½ mile is therefore S. 0°11' E., 39.80 chs.
	Continue South, from transit point 13 lks. W. of ¼ sec. cor., with continuous measurement.
79.82	Fall 58 lks. W. of the cor. of secs. 5, 6, 31 and 32 on S. bdy. of tp., heretofore described.
	The bearing and distance of S. ½ mile is therefore S. 0°39' E., 40.02 chs.

	From the cor. of secs. 29, 30, 31 and 32.
	S. 89°30' W., (computed) retracing bet. secs. 30 and 31.
40.00	No evidence of the ¼ sec. cor. could be found. Set temp cor.
79.20	Intersect W. bdy. of tp., 5 lks. N. of the cor. of secs 25, 30, 31 and 36, heretofore described.
	Thence,
	N. 89°28' E., resurveying bet. secs. 30 and 31.
	Along nearly level bottom land along Panguitch Creek, through scattered cottonwoods and sagebrush.
4.80	Panguitch Creek, 15 lks. wide, 1 to 1½ ft. deep, medium current, clear mountain water, course SE.
5.20	Log fence, bears N. and S.
16.00	Enter meadow, bears NW. and SE.
19.41	Proportionate point,
	Set an iron post, 3 ft. long, 1 in. dia., 28 ins. in the ground for W. 1/16 cor., with brass cap marked

S30
W 1/16
S31
1924

from which

Chains	
	A cottonwood, 12 ins.diam., bears N.80°E., 125½ lks.dist.,marked W1/16 S30 BT
	A cottonwood, 14 ins.diam.,bears S.76¾°E., 108 lks.dist.,marked W 1/16 S31 BT
20.20	Leave meadow, reenter cottonwoods and sagebrush and willows, bears N. and SW.
24.10	Recross creek, course NE.; also leave cottonwoods, bears NE. and SW.
38.80	Small ditch, course SE., and enter meadow, bears NW. and SE.
39.34	Proportionate point,
	Set an iron post, 3 ft. long, 1 in. dia., 28 ins. in the ground, for restored ¼ sec. cor., with brass cap marked
	¼ S30 / S31 1924
	from which
	A cottonwood, 20 ins.diam.,bears N.66½°E., 161 lks.dist.,marked ¼ S30 BT
	and raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
49.25	Fence, bears N. and S., also leave meadow, continue through brush.
68.00	Recross creek, course SE.
69.90	Recross creek, course NE.
72.60	Recross creek, course SE.; leave willows and begin ascent from bottom lands, bears NW. and SE.
73.10	Fence, bears NW. and SE.
75.60	Small ditch, course SE.
79.20	The cor. of secs. 29, 30, 31 and 32, 50 ft. above creek.
	Land, mostly level bottoms along Panguitch Creek.
	Soil, deep sandy and clay loam, streaked with gravel.
	Timber, scattered cottonwoods.
	Undergrowth, sagebrush and willows.

Chains	
	From the ¼ sec. cor. of secs. 31 and 36, W. bdy. of tp heretofore described.
	N. 0°15' E., bet. secs. 31 and 36.
19.69	Set a volcanic stone, 16x10x7 ins., 12 ins. in the ground, for N. 1/16 cor., marked with a cross on top witnessed by a small mound of stone W. of cor.
39.38	The cor. of secs. 25, 30, 31 and 36, heretofore descri

From the cor. of secs. 25, 30, 31 and 36.

N. 0°07' E., bet. secs. 25 and 30.

19.57 Set a volcanic stone, 22x12x8 ins., 18 ins. in the ground, for S. 1/16 cor., marked with cross on top, surrounded by a small mound of stone.

39.14 The ¼ sec. cor., heretofore described.

SUBDIVISION OF SECTION 30.

From the restored ¼ sec. cor. bet. secs. 30 and 31, heretofore described.

N. 0°41' E., on true N. and S. center line, sec. 30.

19.78 Set a volcanic stone, 17x13x5 ins., 14 ins. in the ground, marked with cross on top, for center S. 1/16 sec. cor. sec. 30, surrounded by a small mound of sto

39.56 Set a volcanic stone, 16x11x9 ins., 13 ins. in the grou marked with cross on top, for center ¼ sec. cor. sec. 30, surrounded by a mound of stone.

Continue N. 0°41' E., (without chaining) and intersect the ¼ sec. cor. bet. secs. 19 and 30.

From the ¼ sec. cor. bet. secs. 25 and 30.

N. 88°48' E., on true E. and W. center line sec. 30.

19.62 Set volcanic stone, 18x14x6 ins., 15 ins. in the ground, marked cross on top, for center W. 1/16 sec. cor. sec. 30, surrounded by mound of stone.

39.75 Intersect the center ¼ sec. cor. sec. 30.

Continue N.88°48' E., (without chaining) and intersect the restored ¼ sec. cor. bet. secs. 29 and 30.

From the W. 1/16 sec. cor. bet. secs. 30 and 31, heretofore described.

N. 0°26' E., on true N. and S. center line SW. quarter sec. 30.

19.67 Set a volcanic stone, 16x12x8 ins., 13 ins. in the ground, marked with cross on top, for SW 1/16 sec. cor. sec. 30, surrounded by a mound of stone.

Continue N. 0°26' E.,(without chaining) and intersect the center W. 1/16 sec. cor. sec. 30.

From the S. 1/16 sec. cor. bet. secs. 25 and 30, heretofore described.

N. 89°07'E., on true E. and W. center line SW. quarter sec. 30.

19.50 Intersect the SW. 1/16 sec. cor. sec. 30.

Continue N.89°07'E.,(without chaining) and intersect the center S. 1/16 sec. cor. sec. 30.

Subdivision-of-Section 31.

From the restored ¼ sec. cor. bet. secs. 30 and 31.

S. 0°18' E., on true N. and S. center line sec. 31.

19.79 Set volcanic stone, 18x14x6 ins., 15 ins. in the ground marked with cross on top, for center N. 1/16 sec. cor. sec. 31, surrounded by a small mound of stone.

39.58 Set a volcanic stone, 20x14x12 ins., 17 ins. in the ground, marked with cross on top, for center ¼ sec. cor. sec. 31, surrounded by a small mound of stone.

Continue S.0°18' E., (without chaining) and intersect the ¼ sec. cor. bet. secs. 6 and 31 on S.bdy. of tp.

Chains

hertofore described.

From the ¼ sec. cor. bet. secs. 31 and 36 on W. bdy. of

N. 89°47' E., on true E. and W. center line sec. 31.

19.61 Mark a cross on top of volcanic stone showing 3x12x14 ins. above ground, for center W. 1/16 sec. cor. sec. 31.

39.73 Intersect the center ¼ sec. cor. sec. 31.

Continue N. 89°47'E., (without chaining) and intersect the ¼ sec. cor. bet. secs. 31 and 32, heretofore described.

From the W. 1/16 sec. cor. bet. secs. 30 and 31.

S. 0°04' E., on true N. and S. center line NW. quarter sec. 31.

19.73 Set a volcanic stone, 8x10x12 ins., 8 ins. in the ground marked with a cross on top for NW. 1/16 sec. cor. sec. 30, surrounded by a mound of stone.

Continue S.0° 04' E. (without chaining) and Intersect the center W. 1/16 sec. cor. sec. 31.

From the N. 1/16 sec. cor. bet. secs. 31 and 36 on W. bdy. of tp.

N. 89°38' E., on true E. and W. center line NW. quarter sec. 31.

19.51 Intersect the NW. 1/16 sec. cor. sec. 31.

Continue N.89°38'E., (without chaining) and intersect the center N. 1/16 sec. cor. sec. 31.

SURVEY TRACT NO. 37.

From the W. 1/16 sec. cor. bet. secs. 30 and 31.

S. 0°04' E., on E. bdy. tract No. 37.

4.20 Panguitch Creek, 15 lks. wide, 1 to 1½ ft. deep, course

Chains	
6.25	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for cor. No. I of tract No. 37, with brass cap marked TR 37 / 1 1924 from which A pinon, 10 ins.diam.,bears N.62¼°W., 32 lks. dist.,marked TR 37 COR 1 BT
	Cor. stands on N. slope.
	Thence,
	West, on S. bdy. of tract No. 37.
15.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for cor. No. 2 of tract No. 37, with brass cap marked TR 37 / 2 1924 from which A cottonwood, 12 ins.diam.,bears N.20½°E., 290 lks.dist., marked TR 37 COR 2 BT
	Cor. stands in S. edge of bottom lands, bears E. and W.
	From Cor. No. 2, the cor. of secs. 25, 30, 31 and 36 on W. bdy. of tp., bears N. 36°03' W., 7.50 chs. dist.
	Thence,
	N. 0°11' E., on W. bdy. tract No. 37.
6.11	Intersect line bet. secs. 30 and 31, N. 89°28' E., 4.44 chs/ dist. from cor. of secs. 25, 30, 31 and 36.
	Continue N. 0°11' E.
8.10	Panguitch Creek, 15 lks. wide, 18 ins.deep, course SE.
12.50	Set an iron post, 3 ft. long, 1 in. dia., 6 ins. in the ground to underlying rock and supported by a large mound of stone, for cor. No. 3 of tract No. 37, with brass cap marked 3 / TR 37 1924

Survey of Tract No. 37, T.34 S.,R.5 W.

Chains	
	from which
	A pinon, 7 ins.diam.,bears S.65¼°E., 72 lks. dist.,marked TR 37 COR 3 BT
	Cor. stands on steep S. slope.
	From cor. No. 3, the cor. of secs. 25, 30, 31 and 36 on W. bdy. of tp., bears S.34°43'W., 7.82 chs. dist.
	Thence,
	East, on N. bdy. of tract No. 37.
15.00	Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground, for cor. No. 4 of tract No. 37, with brass cap marked
	4 TR 37 1924
	from which.
	A cottonwood, 9 ins.diam.,bears S.47½°W., 99 lks. dist., marked TR 37 COR 4 BT
	Thence,
	S. 0°26' W., on E. bdy. of tract No. 37.
6.25	To point of beginning at the W. 1/16 sec. cor. bet. secs. 30 and 31.

In the subdivision-of-sections 30 and 31 the regulation markings were not placed on the sixteenth sec. cors. as the subdivision of these sections was made primarily for the purpose of segregating tract No. 37. Therefore the points for sixteenth sec. cors. were marked as recorded in the foregoing field notes.

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Paul M. Peterson	Head Chainman
Arvil Bird	Rear Chainman
Guy Morrison	Axman

6—2764

CERTIFICATE OF UNITED STATES CADASTRAL ENGINEER.

I, Andrew Nelson, U.S. Cadastral Engineer, hereby certify upon honor that, in pur
of special instructions received from the U. S. Surveyor General for Utah
bearing date of the 28th day of September, 1922, I have well, faithfully, and
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying In
tions, and the laws of the United States, surveyed all those parts or portions of retracements o
boundaries of secs. 30 and 31, T.34 S., R.5 W.; partial subdivisio
of-sections 30 and 31; and survey of tract No. 37 by metes-and-b
from a portion of lot 4, sec. 30 and lot 1, sec. 31.

of the Salt Lake
Base and Meridian, in the State of Utah, which are represent
the foregoing field notes as having been executed by me, on dates as shown on date diag
and under my direction; and that all the corn
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Ins
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 no
such survey.

Certified to at Salt Lake City, Utah. Andrew Nelso
March 21, 1924. U.S. Cadastral Engine

APPROVAL.

OFFICE OF THE UNITED STATES Supervisor of Surveys

August 31, 1926.

The foregoing field notes of the retracement of boundaries and partial
subdivision of sections 30 and 31, T. 34 S., R. 5 W.; and metes and bounds
survey of Tract No. 37 in sections 30 and 31, T. 34 S., R. 5 W., S. L. B. & M

executed by Andrew Nelson, U. S. Cadastral Engineer,
under his special instructions dated September 28, 1922, , having b
critically examined, and the necessary corrections and explanations made, the said field notes, and the surv
they describe, are hereby approved.

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.

U. S. Surveyor Gene

4—679

BOOK A-476

FIELD NOTES

OF THE SURVEY OF ~~THE~~

PORTION OF NORTH AND WEST BOUNDARIES AND PORTION OF SUBDIVISION

AND THE SURVEY OF

THE EAST AND SOUTH BOUNDARIES AND

PORTION OF THE SUBDIVISIONS

OF

T. 3 S., R. 7 E.

Of the Salt Lake Base and *Meridian,*

the State of

EXECUTED BY

Ralph Gentry

the capacity of U. S. Cadastral Engineer *, under instructions dated* July 14, 1923, ~~XXX~~,

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

roup No. 141, *which were approved by the Commissioner of the General Land*

ffice, April 13, 1923, ~~XXX~~ Assignment Instructions dated June 19, 1925, and Supplemental Assignment Instructions dated May 10, 1926.

Survey commenced July 3, 1925, ~~XXXX~~

Survey completed May 17, 1926, ~~XXXX~~

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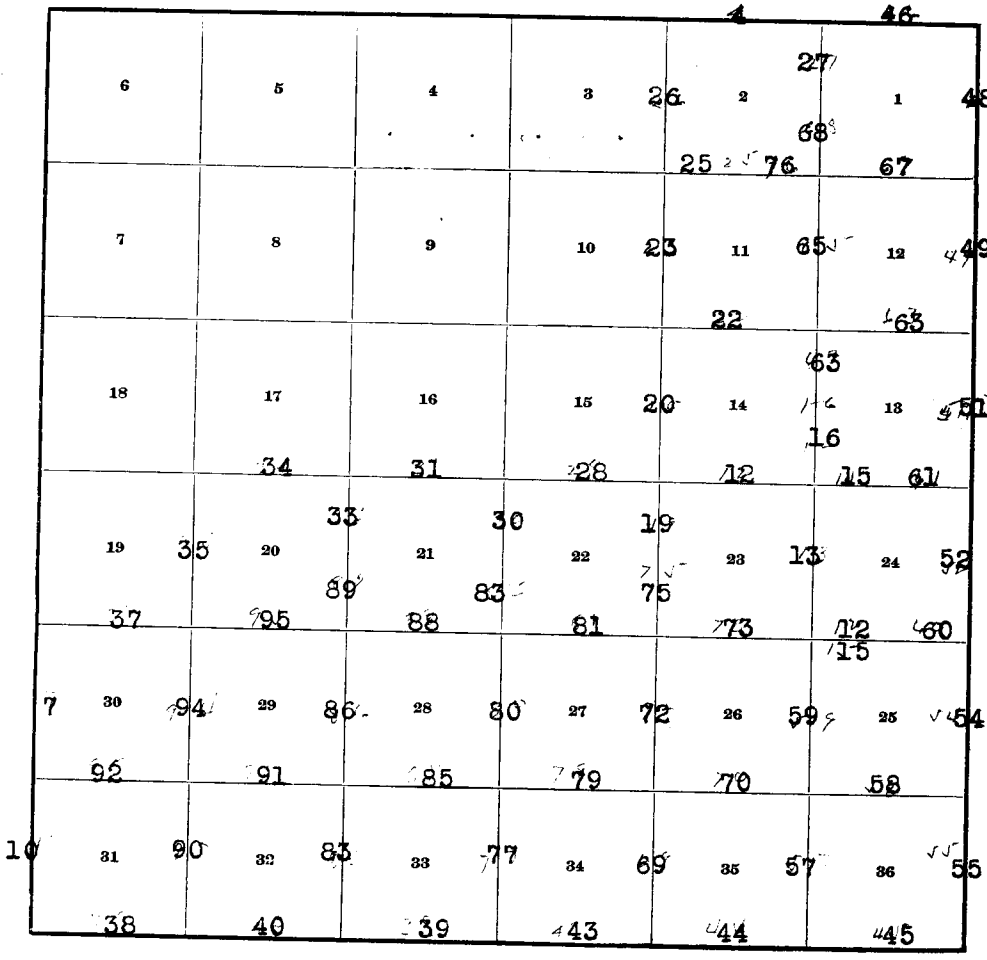
BOOK 476

INDEX DIAGRAM.

Township 3 South, *Range* 7 East

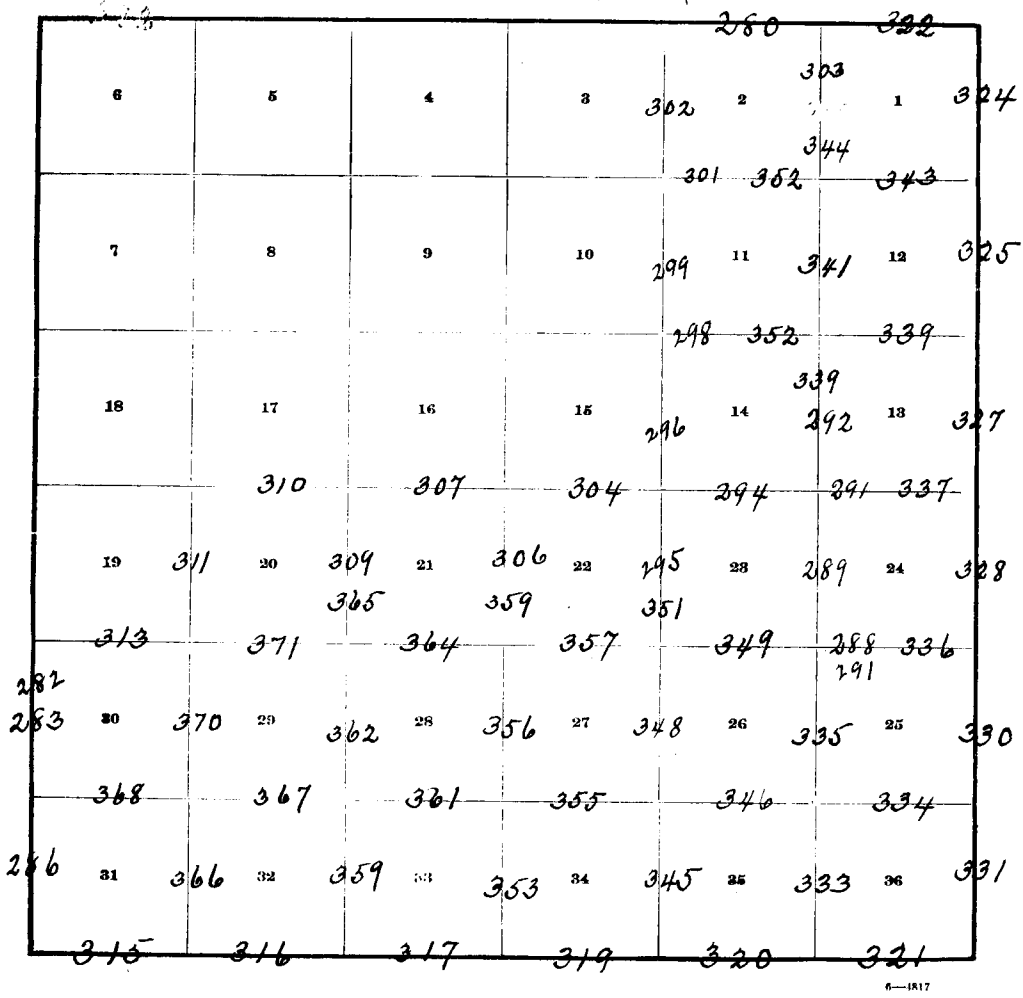


BOOK A-476

4—679 b

INDEX DIAGRAM.

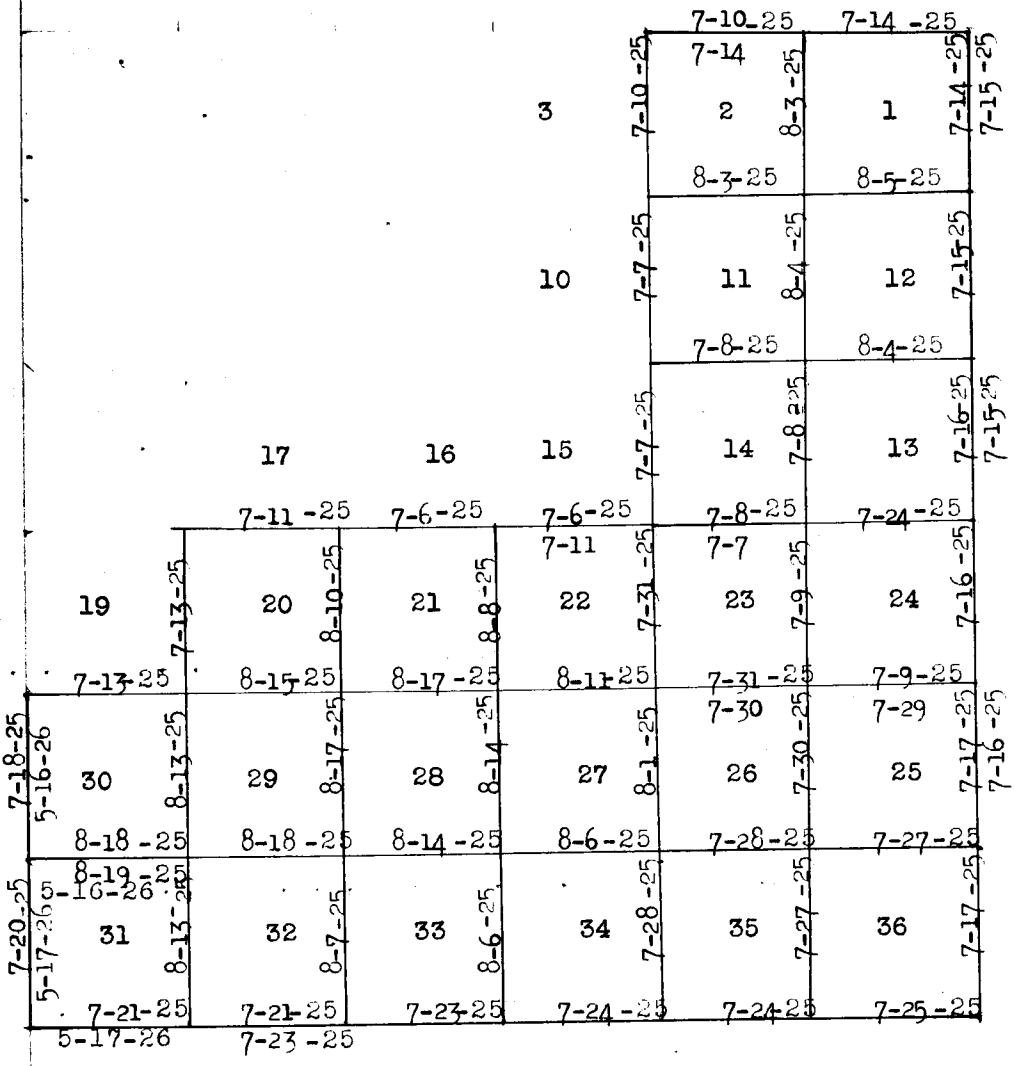
Township 3 S., Range 7 E.



6—1817

T. 3 S., R. 7 E.

Date Diagram



All line were surveyed by Ralph Gentry, U.S. Cadastral Engineer,

Survey commence July 3, 1925 and executed with Buff an Buff light mountain transit No. 16725.

The instrument was approved for use on this survey by the Assistant Supervisor of Surveys for district No. (conditional upon satisfactory field tests, in assignment instructions dated June 19, 1925.

The instrument was equipped with Smith solar attachment and full vertical circles. The horizontal limb is 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 latitud and declination arcs and vertical circle.

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. hour with a meridain determined by observations made on Polaris, I proceed as follows.

July 3, 1925: At my camp, located near the center of sec. 15, T. 3 S., R. 7 E., S.L.B. & Mer., Utah; in approximate latitude 40°34' N., longitude 111°09' W., I make an hour angle observation of Polaris E. of the meridian.

Watch compared with Western Union telegraph clock at Salt Lake City, Utah, 105th meridian and found correct

Watch time of observation	9h 35m 10s p.m.
L.m.t. of observation	9h 00m 34s p.m.
Watch fast of l.m.t.	0h 24m 36s
Vertical angle to star	39° 40'
Azimuth of Polaris west	47'
Computed latitude	40° 34' N.

July 4, 1925: I lay off the azimuth of Polaris, 47' to the west, and note a tree in the meridian about one half mile north.

At 8h a.m. apparent time, with the instrument in the meridian, I set off 40° 34' N., of the latitude arc; 22° 55' N., on the declination arc; and determine a

Chains

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 22° 53' N., which agrees with the computed declination of the sun.

At 4h 00m p.m., apparent time, with the instrument in the meridian and the latitude arc unchanged, I set off 22° 53' 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.

Aug. 16, 1925; With the instrument in the meridian established by observations made on Polaris as heretofore described; at 8h 00m a.m., apparent time, I set off 40° 34' N., on the latitude arc; 13° 48' 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 13° 44' N., which agrees with the computed declination of the sun.

At 4h 00m p.m.apparent time, with the instrument in the meridian and the latitude arc unchanged, I set off 13° 42'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 still in satisfactory adjustment.

Resurvey of portion of the N. bdy. of T. 3 S., R. 7 E.

Chains

Measurements.

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

Resurvey of N. bdy. of T. 3 S., R. 7 E.

From the cor. of secs. 2, 3, 34 and 35, on N. bdy. of T. 3 S., R. 7 E., which is a quartzite, 18 x 16 x 12 ins., firmly set in the ground and marked 4 notches on the W. edge, and 2 notches on E. edge, along side of which

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

T2S S34	R7E S35
S 3	S 2

T 3 S
1925

From which

An oak, 5 ins. diam., bears S. 58° W., 63 lks. dis marked T 3 S R 7 E S 3 B T.

No other old bearing trees were found, and I therefore mar 3 additional trees as follows:

An aspen, 6 ins. diam., bears N. 42°45'E., 17 lks. dist., marked T 2 S R 7 E S 35 B T.

An aspen, 6 ins. diam., bears S. 38°30'E., 43 lks. dist., marked T 3 S R 7 E S 2 B T,

An aspen, 5 ins. diam., bears N. 10°W., 6 lks. dist., marked T 2 S R 7 E S 34 B T.

Thence

East, bet. secs. 2 and 35, on retracement line.

40.12 Fall 9 lks. N. of the ¼ sec. cor., hereinafter described.

Chains	
	Continue east on same line with continuous measurement.
80.36	Fall 30 lks. N. of the cor. of secs. 1, 2, 35 and 36, hereinafter described.
	The course of the W. half mile is therefore S. 89° 52'E. and the dist. is 40.12 chs., and the course of the E. half mile is S. 89° 42'E., and the dist. is 40.24 chs.
	Thence
	From the cor. of secs. 2, 3, 34 and 35.
	S. 89° 52'E., bet. secs. 2 and 35, on resurvey line.
	Descend E. slope, through dense timber and scattering undergrowth.
34.50	Bottom of canyon, 490 ft. below sec. cor., course S.; ascend S. slope.
36.00	Old road, brs. N. and S.
40.12	Top of ascent, 30 ft. above canyon, slopes S.
	The ¼ sec. cor., which is a quartzite, 20 x 18 x 18 ins., firmly set in the ground, and marked ¼ on N. face, from which
	A pine, 12 ins. diam., brs. N. 65°W., 60 lks. dist., marked ¼ S 35 B T.
	A pine, 14 ins. diam., brs. S. 3°30'E., 150 lks. dist., marked ¼ S 2 B T.
	Along side of stone monument.
	Set an iron post, 3 ft. long, 1 in. diam., 15 ins. in the ground on solid rock and 12 ins. in a mound of stone, for ¼ sec. cor., with brass cap marked
	¼ S 35 / S 2
	1925
	Thence with continuous measurement.
	S. 89° 42'E., bet. secs. 2 and 35.
	Descend SE. slope.
44.00	Foot of mountain, 25 ft. below ¼ sec. cor., brs. NE. and SW.; enter rolling bench land, leaving timber, and enter sagebrush undergrowth, brs. NE. and SW.
46.25	Old road, brs. N. 60°E., and SW.

Resurvey of portion of N. bdy. of T. 3 S., R. 7 E.

Chains	
61.00	Old road, brs. N. 60°W., and S. 60°E.
74.50	Old road, brs. N. 60°E., and S. 60°W.
80,36	The cor. of secs. 1, 2, 35 and 36, which is a red sandstone, 14 x 8 x 8 ins., above the ground, firmly set and marked with 5 notches on W. edge, and 1 notch on E. edge, and witnessed by a mound of stone, 2 ft. base, 1½ ft. high to the W.

Along side of cor. monument.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground on solid rock and 9 ins. in a mound of stone, for cor. of secs. 1, 2, 35 and 36, with brass cap marked

T2S S35	R7E S36
S 2	S 1

T 3 S

1925

From which

A cedar, 7 ins. diam., brs. S.57°45'E., 224 lks. dist., marked T 3 S R 7 E S 1 B T.

A pine, 8 ins. diam., brs. N.42°20'W., 320 lks. dist., marked T 2 S R 7 E S 35 B T.

Land, rolling and mountainous; SE. exposure.

Soil, sandy and gravelly loam; 2nd and 3rd rate.

Undergrowth, a medium growth of sagebrush, oak and chokecherry.

Timber, medium growth of aspen and scattering spruce and pine on W. portion of mile.

Good grazing.

Retracement of portion of W. bdy., T. 3 S., R. 7 E.

From the cor. of secs. 19 and 30, on W. bdy. of Tp., hereinafter described; thence

S. 3° 56'W., bet. secs. 25 and 30 on retracement.

35.64 Fall 52 lks. W. of the ¼ sec. cor. bet. secs. 25 and 30, hereinafter described.

Retracement of portion of W. bdy., T. 3 S., R. 7 E.

Chains

The course of this half mile is therefore S. 3° 06'W., and the dist. is 35.61 chs.

From the ¼ sec. cor.; thence

S. 3° 56'W., bet. secs. 25 and 30, on retracement.

39.56 Fall 12 lks. E. of the cor. of secs. 25, 30, 31 and 36, hereinafter described.

The course of this half mile is therefore S. 4° 06'W., and the dist. is 39.57 chs.

From the cor. of secs. 25, 30, 31 and 36.

S. 3° 56'W., bet. secs. 31 and 36, on retracement.

40.24 Fall 60 lks. E. of the ¼ sec. cor., bet. secs. 31 and 36, hereinafter described.

The course of this half mile is therefore S. 4° 47'W., and the dist. is 40.29 chs.

From the ¼ sec. cor. bet. secs. 31 and 36.

S. 3° 56'W., bet. secs. 31 and 36, on retracement.

41.00 Fall 17 lks. N. of the point for cor. of Ts. 3 and 4 S., Rs. 6 and 7 E., established from bearing tree as hereinafter described.

The course of this half mile is therefore S. 4° 10'W., and the dist. is 41.00 chs.

Resurvey of portion of W. bdy., T. 3 S., R. 7 E.

From the cor. of secs. 19 and 30, which is a sandstone, 18 x 10 x 6 ins., above the ground, firmly set and marked 2 notches on S., and 4 notches on N. edge, from which

An aspen, 10 ins. diam., brs. N. 79°W., 15 lks. dist., marked with old blaze on face toward cor. Scribe marks not readable.

No other blazed trees could be found.

Along side of cor. monument.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for cor. of secs. 19 and 30, with brass cap marked

Chains

T3S R7E S 19	T3S R6E S25
S 30	

1925

From which

An aspen, 7 ins. diam., brs. N. 77°E., 32 lks. dist., marked T 3 S R 7 E S 19 B T.

An aspen, 8 ins. diam., brs. S.66°30'E., 22 lks. dist., marked T 3 S R 7 E S 30 B T.

Thence

S. 3° 00'W., along W. bdy. of sec. 30, on resurvey.

Ascend gradually along rolling E. slope, over mountainous land, through medium dense timber and undergrowth

20.00 Ridge, 70 ft. above sec. cor., brs. N. 20°W., and S. 20 E.; thence over rolling top.

[illegible] Leave timber, brs. NW. and SE.

Descend over rolling SW. slope.

30.01 The ¼ sec. cor., which is a porphyry, 10 x 6 x 4 ins., above the ground, firmly set and marked ¼ on W. face, and witnessed by a mound of stone, 2½ ft. base, 2 ft. high to the W.

This ¼ sec. cor., will hereafter refer to sec. 25 only.

Thence

S. 4° 00'W., along W. bdy. of sec. 30, with continuous measurement.

40.00 Southing of 40.00 chs. from cor. of secs. 19 and 30.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor. for sec. 30 only, with brass cap marked

¼
S30

1926

From which

An aspen, 5 ins. diam., brs. N.84°20'E., 328 lks. dist., marked ¼ S 30 B T.

An aspen, 5 ins. diam., brs. S.83°25'E., 311 lks. dist., marked ¼ S 30 B T.

Resurvey of portion of W., bdy. of T. 3 S., R. 7 E.

Chains

Cor. stands on rolling SW. slope, 60 ft. below ridge.

Grove of aspen brs. E. 3.00 chs. dist.

Descend steep SW. slope.

67.00 Stream of clear water, 5 lks. wide, 4 ins. deep, in canyon, 580 ft. below ¼ sec. cor., course E.; ascend NW. slope, entering aspen and pine timber, brs. E. and W.

75.18 The cor. of secs. 25, 30, 31 and 36, which is a porphyry stone, 10 x 8 x 6 ins., above the ground, firmly set and marked 1 notch on the S., and 5 notches on N. edge, from which

A pine, 12 ins. diam., brs. N. 30°W., 17 lks. dist., marked T 3 S R 6 E S 25 B T.

A pine, 10 ins. diam., brs. S. 16° W., 65 lks. dist., marked T 3 S R 6 E S 36 B T.

Cor. is also witnessed by a mound of stone, 2 ft. base, 2 ft. high to the W.

This cor. will hereafter refer to secs. 25 and 36 only.

Thence

S. 4° 47'W., along W. bdy. sec. 30 with continuous measurement.

80.17 Southing of 80.00 chs. from cor. of secs. 19 and 30; on steep NW. slope, 210 ft. above bottom of canyon.

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

T3S R6E S36	T3S R7E S30
	S31

1926

From which

An aspen, 5 ins. diam., brs. N. 49°E., 26 lks. dist., marked T 3 S R 7 E S 30 B T

An aspen, 4 ins. diam., brs. S.61°45'E., 104 lks. dist., marked T 3 S R 7 E S 31 B T.

Land, rolling and mountainous with a general easterly exposure and drainage.

Resurvey of portion of W. bdy. of T. 3 S., R. 7 E.

Chains	
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush and chokecherry.
	Timber, aspen, balsam and spruce on portions of mile.
	Exceedingly good grazing.
	S. 4° 47'W., along W. bdy. of sec. 31, on resurvey.
	Ascend abrupt NW. slope over broken mountainous land through scattering timber and undergrowth.
35.30	The ¼ sec. cor., which is a porphyry stone, 10 x 8 x 8 ins. above the ground, firmly set and marked ¼ on W. face, from which
	A spruce, 12 ins. diam., brs. S. 26°W., 59 lks. dist., marked ¼ S.36 B T.
	An aspen, 5 ins. diam., brs. S. 5°E., 27 lks. dist., marked ¼ S 31 B T.
	The cor. is also witnessed by a mound of stone, 2 ft. base, 1½ ft. high to the W.
	This ¼ sec. cor., will hereafter refer to sec. 36 only, I destroy the marks on the SE. bearing tree, and mark additional bearing tree in sec. 36 as follows:-
	An aspen, 4 ins. diam., brs. S. 41°W., 21 lks. dist., marked ¼ S 36 B T.
	Thence
	S. 4° 10'W., with continuous measurement.
37.00	Spur, 300 ft. above sec. cor., projects N. 20°E.; descend along E. slope.
40.14	Southing of 40.00 chs. from cor. of secs. 30 and 31, on E. slope, 20 ft. below top of spur.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor. for sec. 31 only, with brass cap marked
	¼ S31 1926
	From which

Chains

An aspen, 5 ins. diam., brs. N.71°30'E., 64 lks. dist., marked ¼ S 31 B T.

An aspen, 4 ins. diam., brs. S.81°30'E., 78 lks. dist., marked ¼ S 31 B T.

Descend abrupt SE. slope.

74.00 Ravine, 300 ft. below ¼ sec. cor., course N. 30°E.; ascend NW. slope.

76.30 Point for cor. of Ts. 3 and 4 S., Rs. 6 and 7 E., which is established S. 73°E., 20 lks. dist., (record course and dist.) from balsam tree, 14 ins. diam., blazed and evidence of scribe marks on blazed portion of tree which are not readable. Near stump on blaze evidence of scribe mark of BT. This point for Tp. cor. established from bearing tree is near old fence line bearing to the W. and S., on NW. slope of ridge, 300 ft. above ravine.

At point for cor. of Tp.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for cor. of Ts. 3 and 4 S., R. 6 E. only, with brass cap marked

T 3 S

R6E S36	R7E S31
S 1 T4S	

1926

From which

A spruce, 20 ins. diam., brs. N. 38°W., 29 lks. dist., marked T 3 S R 6 E S 36 B T.

An aspen, 7 ins. diam., brs. S. 52°W., 105 lks. dist., marked T 4 S R 6 E S 1 B T.

Thence

South, along W. bdy. sec. 31, with continuous measurement.

80.23 Southing of 80.00 chs. from cor. of secs. 30 and 31.

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground for cor. of Ts. 3 and 4 S., Rs. 7 E.,

Chains

only, with brass cap marked

	T3S R7E S31
T4S R6E S 1	
	S 6 T4S

1926

From which

An aspen, 6 ins. diam., brs. N. 23°30'E., 26 lks. dist., marked T 3 S R 7 E S 31 B T.

An aspen, 3 ins. diam., brs. S. 57°E., 7 lks. dist., marked "BT".

Land, broken and mountainous with a southerly and northwesterly exposure.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, medium growth of sage and chokecherry brush.

Timber, scattering aspen, balsam and spruce on portion of mile.

Exceedingly good grazing.

Resurvey of Subdivision of T. 3 S., R. 7 E.

From the ¼ sec. cor. bet. secs. 24 and 25, T. 3 S., R. 7 E., hereinafter described.

Thence

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

40.00 Set temp. cor. for secs. 23, 24, 25 and 26.

No trace of the old sec. cor. could be found. after diligent search.

Thence, from temp.cor. of secs. 23, 24, 25 and 26.

North, bet. secs. 23 and 24, on retracement line.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains

39.76 Fall 16 lks. W. of the ¼ sec. cor. bet. secs. 23 and 24, hereinafter described.

Continue on same line with continuous measurement.

79.90 Fall 11 lks. W. of the cor. of secs. 13, 14, 23 and 24, which is a sandstone, 20 x 10 x 6 ins., firmly set in the ground, and marked 3 notches on S., and 1 notch on E. edge. The cor. is unwitnessed.

Along side of stone monument.

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

T3S.	R7E
S 14	S 13
S 23	S 24

1925

Raise a mound of stone, 2½ ft. base, 2 ft. high W. of cor.

Re-establishing the cor. of secs. 23, 24, 25 and 26, at record distance from the ¼ sec. cor. bet. secs. 24 and 25, and at record dist. from the ¼ sec. cor. bet. secs. 23 and 24, the course of the W. half mile bet. secs. 24 and 25, is N. 89° 39'E., and the dist. is 40.00 chs.; the course of the S. half mile bet. secs. 23 and 24, is S. 0° 14'W., and the dist. is 40.00 chs., and the course of the N. half mile bet. secs. 23 and 24, is S. 0° 04'E., and the dist. is 40.14 chs.

Thence,

From the cor. of secs. 13, 14, 23 and 24,

S. 0° 04'E., bet. secs. 23 and 24, on resurvey line.

Over rolling bottom land of South Fork of Provo River, through dense willows.

3.00 Leave river bottom, ascend broken E. slope, over mountainous land; leave willows and enter dense timber, and choke-cherry brush, bears NW. and SE.

40.14 The ¼ sec. cor., which is a sandstone, 24 x 20 x 16 ins., firmly set in the ground, and marked ¼ on W. face, and unwitnessed. No trace of the old bearing trees could be found.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains

Along side of stone cor. monument.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground on solid rock and 11 ins. in a mound of sto for ¼ sec. cor., with brass cap marked

¼

S 23 | S 24

1925

From which

An aspen, 6 ins. diam., bears S. 85°E., 15 lks. dist., marked ¼ S 24 B T.

An aspen, 8 ins. diam., bears N. 58°W., 12 lks. dist., marked ¼ S 23 B T

Cor. stands on broken E. slope, 490 ft. above sec. cor.

Thence

S. 0° 14' W., with continuous measurement.

60.10 Head of draw, 240 ft. above ¼ sec. cor., course E.; ascend along NE. slope.

77.00 Top of ridge, 320 ft. above draw, brs. NW. and E.; thence over rolling top of ridge.

80.14 Record dist. of 40.00 chs. S. of ¼ sec. cor.

Set an iron post, 3 ft. long, 2 ins. diam., 18 ins. in the ground on solid rock and 9 ins. in a mound of ston for the reestablished cor. of secs. 23, 24, 25 and 26, with brass cap marked

T3S	R7E
S 23	S 24
S 26	S 25

1925

From which

A balsam, 8 ins. diam., bears N. 33°30'E., 27 lks. dist., marked T 3 S R 7 E S 24 B T.

A balsam, 9 ins. diam., bears S. 69°15'E., 118 lks. dist., marked T 3 S R 7 E S 25 B T.

A balsam, 11 ins. diam., bears S.75°30'W., 112 lks. dist., marked T 3 S R 7 E S 26 B T.

A balsam, 12 ins. diam., bears N.53°15'W., 153 lks. dist., marked T 3 S R 7 E S 23 B T.

Land, mountainous; NE. and E. exposure.

Soil, rocky, black loam; 3rd rate.

Undergrowth, dense willows and choke-cherry brush.

Timber, dense aspen and scattering spruce and balsam.

Good grazing.

N. 89° 39'E., bet. secs. 24 and 25, on resurvey line.

Over rolling top of mountain, through dense timber, and medium undergrowth.

8.00 Abrupt descent over E. slope, brs. N. and S.

34.30 South Fork of Provo River, stream of clear water, 50 lks. wide, 2 ft. deep, 900 ft. below sec. cor., course N.

38.00 Road, bears N. and S.

40.00 Record dist. from the reestablished cor. of secs. 23, 24, 25 and 26, the ¼ sec. cor. which is a quartzite, 16 x 10 x 6 ins., firmly set in a mound of stone, and marked ¼ on N. face. Along side of stone monument

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground on solid rock and 9 ins. in a mound of stone, for ¼ sec. cor., with brass cap marked

$$\frac{\text{S 24}}{\text{S 25}}$$

1925

From which

An aspen, 6 ins. diam., bears S. 20°W., 6 lks. dist., marked ¼ S 25 B T.

No other suitable bearing tree available.

Land, mountainous; E. exposure.

Soil, deep, black, rocky loam; 3rd rate.

Undergrowth, a medium growth of choke-berry, and sage brush.

Timber, dense aspen and scattering spruce and balsam.

Good grazing.

From the cor. of secs. 13, 14, 23 and 24.

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

Over rolling bottom land of South Fork of Provo River,

Chains	
	through dense willows.
10.50	South Fork of Provo River, stream of clear water, 50 lk wide, 2 ft. deep, course N. 70°W., from the SE.
11.00	Leave willows and enter sagebrush undergrowth, brs. NW., and SE.
15.80	Telephone line, brs. NW. and SE.
16.10	Road, brs. NW. and SE.
16.50	Foot of spur, enter medium growth of oak brush, brs. NW and SE.; ascend steep SW. slope.
35.00	Enter scattering timber, brs. NW. and SE.
40.00	No trace of the ¼ sec. cor. could be found, therefore at this point.
	Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in tl ground on solid rock and 18 ins. in a mound of stone, for ¼ sec. cor., with brass cap marked

$$\frac{1}{4}\ \frac{S\ 13}{S\ 24}$$

1924

From which

A juniper, 7 ins. diam., bears N.86°45'E., 93 lks. dist., marked ¼ S 13 B T.

A balsam, 5 ins. diam., bears S. 54°E., 86 lks. dist., marked ¼ S 24 B T.

Cor. stands on steep SW. slope, 850 ft. above sec. cor.

Land, rolling and mountainous.

Soil, deep, black loam on W. portion of mile, and deep, rocky loam on E. portion of half mile; 1st and 3rd rat

Undergrowth, dense willows, sage and oak brush.

Timber, scattering juniper and balsam on E. 5 chs.

Good grazing.

From the cor. of secs. 13, 14, 23 and 24.

North, bet. secs. 13 and 14, on retracement.

40.48	Fall 5 lks. W. of the ¼ sec. cor., hereinafter described.

The course of this half mile is therefore N. 0° 04'E., and the dist. is 40.48 chs.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	From the cor. of secs. 13, 14, 23 and 24, thence N. 0° 04'E., bet. secs. 13 and 14, on resurvey line.
	Over rolling bottom land, through dense willows.
0.50	South Fork of Provo River, stream of clear water, 50 lks. wide, 2 ft. deep, course W.
8.00	Ditch, 6 lks. wide, 1 ft. deep, course NW.; leave willows brs. NW. and SE.
9.50	Road, brs. NW. and SE.
9.75	Telephone line, brs. NW. and SE.
10.00	Foot of spur, brs. NW. and SE.; enter scattering timber and medium growth of oak and sage brush, brs. NW. and SE.
	ascend SW. slope over mountainous land.
18.00	Top of ascent, on point of spur, 50 ft. high, slopes W.; descend.
20.50	Ravine, 20 ft. below top of ascent, course S. 60°W.; ascend .
21.20	Old wood road, brs. N. 60°E. and S. 60°W.
40.48	The ¼ sec. cor. which is a quartzite, 12 x 12 x 8 ins., above the ground, firmly set in mound of stone, and marked ¼ on W. face. Along side of stone monument
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 14 | S 13 1925
	Raise a mound of stone, 2½ ft. base, 2 ft. high W. of cor.
	Land, rolling and mountainous. SW. exposure.
	Soil, deep, black loam, and black rocky loam; 1st and 3rd rate.
	Undergrowth, dense willows; and a medium growth of oak and sage brush.
	Timber, scattering aspen, juniper and balsam on portion of half mile.
	Good grazing.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	From the cor. of secs. 13, 14, 23 and 24.
	West, bet. secs. 14 and 23 on retracement line.
40.79	Fall 37 lks. S. of the ¼ sec. cor., hereinafter describ
	Continue on same line with continuous measurement.
81.04	Fall 76 lks. S. of the cor. of secs. 14, 15, 22 and 23, which is a sandstone, 16 x 8 x 6 ins., firmly set in a mound of stone, and marked 3 notches on S., and 2 notches on E. edge. Along side of stone monument
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 14, 15, 22 and 23, with brass cap marked

T3S S 15	R7E S 14
S 22	S 23

1925

From which

An aspen, 6 ins. diam., bears N. 50°E., 18 lks. dist., marked T 3 S R 7 E S 14 B T.

An aspen, 5 ins. diam., bears S. 24°E., 55 lks. dist., marked T 3 S R 7 E S 23 B T.

An aspen, 7 ins. diam., bears S. 80°W., 54 lks. dist., marked T 3 S R 7 E S 22 B T.

An aspen, 5 ins. diam., bears N. 72°W., 27 lks. dist., marked T 3 S R 7 E S 15 B T.

The course of the E. half mile is therefore S.89° 28'E., and the dist. is 40.79 chs., and the course of the W. half mile is S. 89° 26'E., and the dist. is 40.25 chs.

Thence from the cor. of secs. 14, 15, 22 and 23.

S. 89° 26'E., bet. secs. 14 and 23, on resurvey line.

Descend over mountainous land, through aspen timber, and a medium growth of sagebrush.

3.00	Head of draw, 30 ft. below sec. cor., course N.; ascend.
8.00	Top of ascent, 40 ft. above draw, slopes SW.; descend; leaving timber, brs. NW. and SE.
10.50	Swale, 15 ft. below top of ascent, course SW.; ascend NW. slope.
40.25	The ¼ sec. cor., which is a limestone, 20 x 16 x 10 ins.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

CHAINS	
	firmly set in the ground and marked ¼ on N. face. Along side of stone monument
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S 14 / S 23
	1925
	Raise a mound of stone, 2½ ft. base, 2 ft. high N. of cor.
	Cor. stands on NW. slope, 440 ft. above swale.
	Thence
	S. 89° 28'E., with continuous measurement.
50.10	Ridge, 60 ft. above ¼ sec. cor., brs. N. 60°W., and S.60° E., enter dense aspen, spruce and balsam timber, and medium growth of choke-cherry brush, brs. N. 60°W., and S. 60°E.; descend steep E. slope.
77.50	Wire fence, brs. N. and S.
78.50	Bend in South Fork of Provo River, stream of clear water, 50 lks. wide, 2 ft. deep, course NW. from N. 80°E.; leave timber and choke-cherry brush, enter dense willows, brs. NW. and SE.; thence over rolling bottom land.
81.04	The cor. of secs. 13, 14, 23 and 24, 400 ft. below top of ridge.
	Land, mountainous and rolling.
	Soil, deep, black and gravelly loam; 2nd and 3rd rate.
	Undergrowth, sage, choke-cherry and willow brush.
	Timber, aspen, spruce and balsam, on portions of mile.
	Excellent grazing.

	From the cor. of secs. 14, 15, 22 and 23.
	South bet. secs. 22 and 23, on retracement line.
40.53	Fall 5 lks. E. of the ¼ sec. cor., which is a red granite 16 x 10 x 8 ins., firmly set in a mound of stone, and marked ¼ on W. face. No trace of the bearing trees could be found. Along side of stone monument

Chains	
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and 10 ins. in a mound of stones, for ¼ sec. cor., with brass cap marked
	¼ S 22 | S 23 1925
	From which
	An aspen, 6 ins. diam., bears N. 70°W., 65 lks. dist., marked ¼ S 22 B T.
	An aspen, 5 ins. diam., bears S.6°15'E., 53 lks. dist., marked ¼ S 23 B T.
	The course of this half mile is therefore, S. 0° 04'W., and the dist. is 40.53 chs.
	From this ¼ sec. cor., thence
	N. 0° 04'E., bet. secs. 22 and 23, on resurvey line.
	Descend over rolling mountainous land, through a medium undergrowth.
0.75	Trail, brs. NW. and SE.
6.50	Willow Creek, stream of clear water, 10 lks. wide, 4 ins deep, 15 ft. below ¼ sec. cor., course NW.; ascend.
16.00	Low spur, 30 ft. above creek, projects W.; descend.
32.00	Swale, 75 ft. below spur, course W.; ascend.
38.00	Enter dense aspen, brs. E. and W.
40.53	The cor. of secs. 14, 15, 22 and 23, on low spur, 40 ft. above swale, projects N.
	Land, rolling mountains; drainage NW. and W.
	Soil, deep, black, gravelly loam; 2nd rate.
	Undergrowth, a medium growth of sagebrush.
	Timber, dense aspen on N. 2.53 chs.
	Good grazing.

	From the cor. of secs. 14, 15, 22 and 23.
	North, bet. secs. 14 and 15 on retracement.line.
40.00	No trace of the ¼ sec. cor. could be found. Set temp., ¼ sec. cor.
80.66	Fall 16 lks. W. of the cor. of secs. 10, 11, 14 and 15.

CHAINS	
	hereinafter described.
	The course of this mile is therefore N. 0° 07'E., and the proportionate dist. of each half mile is 40.33 chs.
	From the cor. of secs. 14, 15, 22 and 23, thence N. 0° 07'E., bet. secs. 14 and 15, on resurvey line.
	Along top of spur, over rolling mountainous land, through dense aspen timber.
2.00	N. end of spur, descend N. slope, leaving aspen and enter medium growth of sagebrush, brs. W. and SE.
9.50	Mouth of draw, 85 ft. below spur, course W.; ascend along W. slope.
24.70	Top of ascent on ridge, 80 ft. above draw, slopes W., from the E.; abrupt descent over N. slope, entering dense balsam and spruce, brs. E. and W.
27.40	Old wire fence, brs. E. and W.; leave timber and enter dense willows, brs. E. and W.
29.50	Old river bed, 50 lks. wide, 5 ft. deep, 210 ft. below top of ascent, course W.; thence over rolling bottom land.
32.10	Ditch, 10 lks. wide, 2 ft. deep, course W.
37.90	South Fork of Provo River, stream of clear water, 40 lks. wide, 2 ft. deep, course W.
39.80	Wire fence, brs. E. and W.; leave willows, enter sagebrush, brs. E. and W.
40.00	Foot of bench, brs. E. and W.; ascend.
40.33	Proportionate distance.
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S 15 | S 14 1925
	Deposit a sandstone, 10 x 8 x 8 ins., marked with a cross at base of post.
	Cor. stands on S. slope of bench, 15 ft. above foot.
42.00	Top of bench, 50 ft. high, brs. E. and W.; thence over rolling bench land.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
42.50	Road, brs. E. and W.
42.65	Wire fence, brs. E. and W.; enter cultivated land.
80.66	The cor. of secs. 10, 11, 14 and 15, which is quartzit 12 x 6 x 5 ins., firmly set in a mound of stone, and marked 4 notches on S., and 2 notches on E. edge.
	Along side of stone monument
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 10, 11, 14 and 15, with brass cap marked

T3S	R7E
S 10	S 11
S 15	S 14

1925

Raise a mound of stone, 3 ft. base, 2 ft. high W. of co

Cor. is at N. side of cultivated land, bears NW. and SE

Land, rolling and mountainous.

Soil, a deep, black, gravelly loam; 1st and 2nd rate.

Undergrowth, a medium growth of sage and willow brush.

Portion of mile under cultivation.

Good grazing. Timber, dense balsam and spruce on porti of mile. Dense aspen on S. portion.

East, bet. secs. 11 and 14, on retracement line.

39.57	Fall 13 lks. N of the ¼ sec. cor., which is a limestone, 20 x 15 x 10 ins., firmly set in a mound of stone, and marked ¼ on N. face. Along side of stone monume
	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼ S 11 / S 14

1925

From which

A juniper, 5 ins. diam., bears N.29°45'E., 61 lk dist., marked ¼ S 11 B T.

A juniper, 10 ins. diam., bears S. 19°E., 130 lk dist., marked ¼ S 14 B T.

The course of this half mile is therefore, N. 89° 49'W.

CHAINS	
	and the dist. is 39.57 chs.
	Thence
	N. 89° 49'W., bet. secs. 11 and 14, on resurvey line.
	Descend SW. slope, over mountainous land, through scattering timber and medium undergrowth.
10.00	Ravine, 240 ft. below ¼ sec. cor., course S. 15°W.; ascend SE. slope.
14.00	Spur, 60 ft. above ravine, projects S. 15°W.; descend W. slope.
35.00	Foot of mountain, 460 ft. below spur, brs. N. and S. 20° E.; leave timber, enter sagebrush, brs. N. and S.20°E.; thence over rolling bench land.
39.57	The cor. of secs. 10, 11, 14 and 15.
	Land, rolling and mountainous; SW. exposure.
	Soil, shallow , black, rocky loam; 3rd and 4th rate.
	Undergrowth, a medium growth of oak and sagebrush.
	Timber, scattering spruce, balsam, juniper and aspen.
	Good grazing.
	North, bet. secs. 10 and 11, on retracement line.
40.99	Fall 10 lks. E. of the ¼ sec. cor., hereinafter described.
81.79	Fall 8 lks. E. of the cor. of secs. 2, 3, 10 and 11, hereinafter described.
	The course of the S. half mile is therefore N. 0° 09'W., and the dist. is 40.99 chs., and the course of the N. half mile is N. 0° 02'E., and the dist. is 40.80 chs.
	From the cor. of secs. 10, 11, 14 and 15, thence
	N. 0° 09'W., bet. secs. 10 and 11, on resurvey line.
	Over rolling bench land, through a medium undergrowth.
0.96	Wire fence, brs. E. and W.
40.99	The ¼ sec. cor., which is a quartzite, 16 x 10 x 4 ins., firmly set in a mound of stone, and marked ¼ on W. face. Along side of stone monument.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

S 10 | S 11

1925

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

Thence

N. 0° 02'E., with continuous measurement.

Descend NW. slope of bench, brs. NE. and SW.

46.00 Foot of bench, 40 ft. below top, brs. NE. and SW.; thence over rolling land.

[illegible] Stream of clear water, 3 lks. wide, 1 in. deep, course SW.

[illegible] Old road, brs. NE. and SW.

[illegible] Pole fence, brs. E. and W.

[illegible] Pole fence, brs. NE. and SW.

[illegible] Road, brs. NE. and SW.

[illegible] Enter, dense willows and scattering timber, brs. NE. and SW.

[illegible] The cor. of secs. 2, 3, 10 and 11, which is a quartzite 16 x 8 x 6 ins., firmly set and marked 5 notches on S., and 2 notches on E. edge, from which

A pine, 7 ins. diam., bears N. 62°E., 29 lks. dist., marked T 3 S R 7 E S 2 B T.

A pine, 14 ins. diam., bears S. 82°45'W., 38 lks. dist., marked T 3 S R 7 E S 10 B T.

A pine, 25 ins. diam., bears N. 24°W., 119 lks. dist., marked T 3 S R 7 E S 3 B T.

The 3rd. bearing tree was not found. I mark a tree in sec. 11 as follows:-

A pine, 6 ins. diam., bears S. 72°30'E., 35 lks. dist., marked T 3 S R 7 E S 11 B T.

Along side of stone monument.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 2, 3, 10 and 11, with brass cap marked

T3S	R7E
S 3	S 2
S 10	S 11

Land, rolling.

Soil, deep black, gravelly loam; 2nd rate.

Undergrowth, a medium growth of sagebrush.

Timber, scattering pine on N. portion of mile.

Good grazing.

East, bet. secs. 2 and 11, on resurvey line.

Over rolling land, through dense willows and scattering pine.

2.80 Leave willows and pine timber, enter medium growth of grass, brs. N. and S.

12.10 Road, brs. N. 20°E., and S. 20°W.

24.00 Foot of mountain, leave grass meadow, enter dense aspen and scattering spruce and balsam, brs. N. and S.; ascend broken NW. slope.

40.00 No trace of the ¼ sec. cor. could be found, therefore at this point.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone, for ¼ sec. cor., with brass cap marked

$$\frac{S\ 2}{S\ 11}$$

1925

From which

An aspen, 5 ins. diam., bears N.15°30'W., 62 lks. dist., marked ¼ S 2 B T.

An aspen, 4 ins. diam., bears S. 76°E., 47 lks. dist., marked ¼ S 11 B T.

Land, rolling and mountainous.

Soil, black, gravelly loam, and a rocky loam; 1st and 4th rate.

Undergrowth, a medium growth of grass and dense willows on portion of half mile.

Timber, dense aspen and scattering pine, spruce and balsam on portion of half mile.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	From the cor. of secs. 2, 3, 10 and 11.
	North, bet. secs. 2 and 3 on retracement line.
40.31	Fall 12 lks. W. of the ¼ sec. cor., hereinafter describe
84.24	Fall 13 lks. E. of the cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp., heretofore described.
	The course of the S. half mile is therefore N. 0° 10'E., and the dist. is 40.31 chs.; the course of the N. half mile is N. 0° 21'W., and the dist. is 43.93 chs.
	Thence from the cor. of secs. 2, 3, 10 and 11.
	N. 0° 10'E., bet. secs. 2 and 3, on resurvey line.
	Over rolling bottom land, through dense willows and scattering timber.
5.00	North Fork of Provo River, 60 lks. wide, 2 ft. deep, clear water, course S. 20°W.
11.00	Foot of mountain, brs. N. 20°E., and S. 20°W., ascend SE. slope, leaving willows and entering medium growth of oak and choke-cherry brush.
11.30	Ditch, 15 lks. wide, 2 ft. deep, course S. 20°W.
40.31	The ¼ sec. cor., which is a quartzite, 20 x 18 x 15 ins. firmly set in the ground and marked ¼ on W. face. No trace of the bearing trees could be found. Along side of stone monument.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 3 | S 2 1925
	From which
	An aspen, 5 ins. diam., bears S.69°30'E., 25 lks. dist., marked ¼ S 2 B T.
	An aspen, 5 ins. diam., bears N. 33°30'W., 44 lks. dist., marked ¼ S 3 B T.
	Thence
	N. 0° 21'W., with continuous measurement.
84.24	The cor. of secs. 2, 3, 34 and 35, on N. bdy. of Tp.
	Cor. stands on E. slope, 525 ft. above sec. cor.
	Land, mountainous; E. exposure.

Chains	
	Soil, deep, black, gravelly loam; 3rd rate.
	Undergrowth, dense willows, oak and choke-cherry brush.
	Timber, scattering aspen, pine, spruce and balsam.
	Good grazing.

	From the cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp., heretofore described.
	South, bet. secs. 1 and 2, on retracement line.
43.84	Fall 29 lks. W. of ¼ sec. cor., which is a quartzite, 16 x 8 x 8 ins., firmly set in a mound of stone, and marked ¼ on W. face.
	The course of this half mile is therefore, N. 0° 23'W., and the dist. is 43.84 chs.
	This cor. is subsequently changed to refer to sec. 2 only
	Along side of stone monument.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor. of sec. 2 only, with brass cap marked
	¼ S 2 | 1925
	From which
	An aspen, 4 ins. diam., bears S. 22°15'W., 56 lks. dist., marked ¼ S 2 B T.
	An aspen, 5 ins. diam., bears N. 23°W., 112 lks. dist., marked ¼ S 2 B T.
	Thence from ¼ sec. cor. on E. bdy. of sec. 2.
	N. 0° 23'W., bet. secs. 1 and 2, on resurvey line.
	Descend over mountainous land, through dense aspen, and medium growth of sagebrush.
10.00	Foot of mountain, 70 ft. below ¼ sec. cor., brs. E. and W.; thence over rolling land, leaving timber, brs. E. and W.
16.70	Old road, brs. E. and W.
23.90	Old road, brs. E. and W.
25.00	Enter dense willows, leaving sagebrush, brs. E. and W.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
28.40	North Fork of Provo River, stream of clear water, 70 lks wide, 3 ft. deep, course W.
34.00	Leave dense willows, enter sagebrush, brs. E. and W.
43.84	The cor. of secs. 1, 2, 35 and 36, on N. bdy. of Tp.
	Land, rolling.
	Soil, deep, black, gravelly loam; 3rd rate.
	Undergrowth, sagebrush and willows.
	Timber, dense aspen on portion of mile.
	Good grazing.

From the cor. of secs. 14, 15, 22 and 23.

West, bet. secs. 15 and 22, on retracement line.

40.09	Fall 5 lks. S. of the ¼ sec. cor., hereinafter described
80.28	Fall 22 lks. S. of true point for cor. of secs. 15, 16, 21 and 22, hereinafter described.

The course of the E. half mile is therefore N. 89° 56'W. and the dist. is 40.09 chs., and the course of the W. half mile is N. 89° 45'W., and the dist. is 40.19 chs.

From the cor. of secs. 14, 15, 22 and 23, thence

N. 89° 56'W., bet. secs. 15 and 22, on resurvey line.

Descend over rolling hills, through aspen timber and a medium growth of sagebrush.

6.00	Draw, 40 ft. below sec. cor., course S.; ascend.
12.00	Spur, 90 ft. above draw, projects S.; descend W. slope.
33.10	Wire fence, brs. NE. and SW.
34.00	Leave timber and sagebrush, enter cultivated land, brs. NE. and SW.
40.09	The ¼ sec. cor., which is a sandstone, 16 x 10 x 6 ins., firmly set in a mound of stone, and marked ¼ on N. face. No trace of the old bearing tree could be found. Along side of stone monument.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked

$$\frac{S\ 15}{\frac{1}{4}\ S\ 22}$$

1925

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	Raise a mound of stone, 2½ ft. base, 2 ft. high N. of cor.
	Thence
	N. 89° 45'W., with continuous measurement.
57.00	Fence, brs. NE. and SW.; leave cultivated land, entering dense willows and scattering timber, brs. NE. and SW.
70.00	South Fork of Provo River, stream of clear water, 40 lks. wide, 1 ft. deep, course S. 15°W.
73.00	Left bank of North Fork of Provo River, stream of clear water , 120 lks. wide, 2 ft. deep, course N. 75°W., from NE. at bend in bank of river.
79.50	Left bank of North Fork of Provo River, course S. 60°W.
80.28	True point for cor. of secs. 15, 16, 21 and 22, in North Fork of Provo River, which point was located as follows:
	The witness cor. to secs. 15, 16, 21 and 22, originally set 75 lks. W. of the true point for sec. cor., and the NE. bearing tree to the witness cor. having been destroyed, I proceed as follows to locate the original point for the witness cor. and the true point for the cor. of secs. 15, 16, 21 and 22:-
	From the NW. bearing tree to the witness cor. of secs. 15, 16, 21 and 22 which is a dead pine, 16 ins. diam., blazed near the stump and marked S16T3SR7EBTWC; thence S. 15°E., 62 lks. record course and distance to true point for witness cor. to secs. 15, 16, 21 and 22, which falls in Provo River. Thence E. 75 lks. record course and distance to true point for cor. of secs. 15, 16, 21 and 22. From true point for cor. of secs. 15, 16, 21 and 22, N. 60 lks. dist. on right bank of river.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for witness cor. to the cor. of secs. 15, 16, 21 and 22, with brass cap marked

T3S	R7E
S 16	S 15
S 21	S 22

WC
1925

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

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	Land, rolling hills and bottom land.
	Soil, deep, black, gravelly loam; 1st and 3rd rate.
	Undergrowth, medium growth of sage, and dense willows.
	Timber, dense and scattering aspen on portion of mile.
	Good grazing. Portion of mile cultivated.
	From true point for cor. of secs. 15, 16, 21 and 22.
	South, bet. secs. 21 and 22, on resurvey line.
0.80	Left bank of North Fork of Provo River, course S.60°W. Enter dense willows and scattering timber.
11.00	South Fork of Provo River, stream of clear water, 30 lks wide, 2 ft. deep, course W.
13.50	Little South Fork of Provo River, stream of clear water, 15 lks. wide, 6 ins. deep, course W.; ascend N. slope of mountain, entering dense timber, brs. E. and W.
25.00	Point of low spur, 160 ft. high, slopes N.; thence along E. slope.
34.00	Abrupt ascent over N. slope.
40.00	On steep N. slope, 125 ft. above point of spur,
	No trace of the original ¼ sec. cor. could be found, therefore at this point
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 21 | S 22 1925
	From which
	A balsam, 6 ins. diam., bears S. 84°W., 29 lks. dist., marked ¼ S 21 B T.
	A balsam, 5 ins. diam., bears N. 80°E., 5 lks. dist. marked ¼ S 22 B T.
	Land, rolling and mountainous.
	Soil, a deep, black, gravelly and rocky loam; 1st and 3rd rate.
	Undergrowth, dense willows.
	Timber, scattering and dense aspen and balsam.
	Good grazing.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	From true point for the cor. of secs. 15, 16, 21 and 22.
	West, bet. secs. 16 and 21, on retracement line.
40.28	Fall 6 lks. S. of the ¼ sec. cor. hereinafter described.
80.61	Fall 1 lk. N. of the cor. of secs. 16, 17, 20 and 21, hereinafter described.
	The course of the E. half mile is therefore N. 89° 55'W., and the dist. is 40.28 chs., and the course of the W. half mile is S. 89° 54'W., and the dist. is 40.33 chs.
	From the true point for the cor. of secs. 15, 16, 21 and 22, thence
	N. 89° 55'W., bet. secs. 16 and 21, on resurvey line.
1.10	Right bank of North Fork of Provo River, course S.60°W.; thence over rolling bottom land, entering dense willows brs. N. 60°E. and S.60°W.
25.00	Leave dense willows, enter sagebrush, brs. NE. and SW.
30.00	Foot of bench, brs. NE. and SW. ; ascend.
34.00	Top of bench and wire fence, 30 ft.above foot, brs. NE. and SW.; thence over rolling bench.
34.70	Road, brs. NE. and S.70°W.
40.28	The ¼ sec. cor. which is a sandstone, 20 x 10 x 5 ins., firmly set in a mound of stone, and marked ¼ on N. face. Along side of stone monument
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 16 / S 21
	1925
	Raise a mound of stone, 3 ft. base, 2 ft. high N. of cor.
	Thence
	S. 89° 54'W., with continuous measurement.
44.00	Road, brs. NW. and S. 70°E.
45.20	Wire fence, brs. NW. and S.70°E.
48.30	Wire fence, brs. N. and S.
50.00	Descend from bench, brs. NW. and SE.
55.00	Foot of bench, 30 ft. below top, leave sagebrush, entering dense willows, brs. NW. and SE.

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	Thence over rolling bottom land.
68.00	Provo River, stream of clear water, 150 lks. wide, 2 ft. deep, course N. 15°W.; abrupt ascent over NE. slope, entering medium growth of timber; leave willows; brs. N. and SE.
68.90	Irrigating flume, 4 ft. wide, 3 ft. high, course N.15°W.
71.00	Top of abrupt ascent, brs. NW. and SE.; ascend gradually over broken NE. slope.
80.61	The cor. of secs. 16, 17, 20 and 21, which is a sandstone, 18 x 9 x 5 ins., firmly set in the ground and marked 4 notches on E. and 3 notches on S. edge. Cor. is witnessed by mound of stone, 2 ft. base, 1 ft. high to the W. Along side of stone monument

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

T3S	R7E
S 17	S 16
S 20	S 21

1925.

From which

An aspen, 5 ins. diam., bears N.83°15'E., 20 lks. dist., marked Tb3 S R 7 E S 16 B T.

An aspen, 6 ins. diam., bears S.20°45'E., 60 lks. dist., marked T 3 S R 7 E S 21 B T.

An aspen, 5 ins. diam., bears S.31°45'W., 27 lks. dist., marked T 3 S R 7 E S 20 B T.

An aspen, 6 ins. diam., bears N. 22°W., 54 lks. dist., marked T 3 S R 7 E S17 B T.

Cor. stands on NE. slope, 190 ft. above river.

Land rolling and mountainous.

Soil, deep, black gravelly loam, and shallow rocky loam; 1st and 3rd rate.

Undergrowth, sagebrush, dense willows.

Timber, dense aspen and scattering balsam on W. portion of mile.

Good grazing.

Chains	
	South, bet. secs. 20 and 21, on retracement line.
39.72	Fall 16 lks. W. of ¼ sec. cor., which is a sandstone, 15 x 8 x 5 ins., firmly set in the ground and marked ¼ on W. face, from which
	A balsam, 12 ins. diam., bears S. 56°W., 17 lks. dist., marked ¼ S 20 B T.
	The SE. bearing tree could not be found, I therefore mark a tree to the east as follows;
	A balsam, 10 ins. diam., bears N. 25°E., 46 lks. dist., marked ¼ S 21 B T.
	Along side of stone monument.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S 20 | S 21 1925
	The course of this half mile is N. 0° 14'W., and the dist. is 39.72 chs.
	From this ¼ sec. cor., thence
	N. 0° 14'W., bet. secs. 20 and 21, on resurvey line.
	Descend N. slope over mountainous land, through medium growth of balsam and spruce, and undergrowth of sage-brush and choke-cherry.
3.50	Enter scattering aspen and balsam, brs. E. and W.
7.30	Trail, brs. E. and W.
7.50	Swale, 40 ft. below ¼ sec. cor., course W.; ascend.
10.00	Top of ascent, 20 ft. above swale, slopes W.; descend N. slope, entering dense aspen, brs. NW. and E.
19.00	Leave timber, brs. E. and W.
25.00	Enter, dense aspen and scattering balsam, brs. E. and W.
33.00	Ravine, 330 ft. below top of ascent, course NE.; ascend. SE. slope.
36.00	Top of ascent, 30 ft. above ravine, slopes E.; descend.
39.72	The cor. of secs. 16, 17, 20 and 21, on NE. slope 100 ft below top of ascent.
	Land, mountainous.
	Soil, deep, black, rocky loam; 3rd rate.

Undergrowth, a medium growth of sage and choke-cherry brush.

Timber, aspen, balsam and spruce.

Good grazing.

West, bet. secs. 17 and 20 on retracement line.

40.68 Fall 52 lks. S. of the ¼ sec. cor. hereinafter described

80.98 Fall 46 lks. S. of the cor. of secs. 17, 18, 19 and 20, hereinafter described.

The course of the E. half mile is therefore N. 89° 16'W. and the dist. is 40.68 chs., and the course of the W. half mile is S. 89° 55'W., and the dist. is 40.30 chs.

From the cor. of secs. 16, 17, 20 and 21, thence N. 89° 16'W., bet. secs. 17 and 20, on resurvey line.

Ascend over mountainous land, through dense aspen and scattering balsam and spruce timber, and a medium growth of sagebrush and choke-cherry.

10.00 Top of ascent on point of spur, 90 ft. above sec. cor., slopes N.; descend W. slope.

21.00 Ravine, 90 ft. below top of ascent, course N.; trail in ravine, brs. N. and S.; ascend E. slope.

24.00 Point of rocky spur, 130 ft. above ravine, projects N.; descend W. slope.

27.20 Ravine, 55 ft. below spur, course N.; ascend E. slope.

40.68 The ¼ sec. cor., which is a sandstone, 18 x 12 x 12 ins. firmly set in a mound of stone, and marked ¼ on N. face. Along side of stone monument.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked

$$\frac{1}{4}\ \frac{S\ 17}{S\ 20}$$

1925

From which

An aspen, 5 ins. diam., bears S.35°30'W., 45 lks. dist., marked ¼ S 20 B T.

An aspen, 5 ins. diam., bears N. 25°30'W., [illegible] lks. dist., marked [illegible]

CHAINS	
	Thence
	S. 89° 55'W., with continuous measurement.
41.60	Point of spur, 170 ft. above ravine, projects N.; descend W. slope.
66.00	Descent becomes more abrupt, leave timber, brs. NE. and S.
76.00	Old road, brs. N. and S.
76.30	Pole fence, brs. N., and S. 20° E.
78.00	Ditch, 10 lks. wide, 2 ft. deep, course N. 15°E.
80.98	The cor. of secs. 17, 18, 19 and 20, which is a red granite, 20 x 16 x 12 ins., buried 6 ins. in the ground at cor. of fences, bearing E.,W. and N., and marked 5 notches on E.; and 3 notches on S. edge. Along side of stone monument.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground for the cor. of secs. 17, 18, 19 and 20, with brass cap marked

T3S	R7E
S 18	S 17
S 19	S 20

1925

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

Cor. stands in canyon, 160 ft. below point of spur.

Land, mountainous; drainage N.

Soil, deep, black, rocky loam; 2nd and 3rd rate.

Undergrowth, a medium growth of sage and choke-cherry brush.

Timber, dense aspen and scattering balsam and spruce on portion of mile.

Good grazing.

	South, bet. secs. 19 and 20 on retracement line.
40.03	Fall 14 lks. W. of the ¼ sec. cor., hereinafter described
80.32	Fall 31 lks. W. of the cor. of secs. 19, 20, 29 and 30, hereinafter described.
	The course of the N. half mile is therefore S. 0° 12'E.,

Chains

and the dist. is 40.03 chs., and the course of the S. half mile is S. 0° 15'E., and the dist. is 40.29 chs.

From the cor. of secs. 17, 18, 19 and 20, thence S. 0° 12' E., bet. secs. 19 and 20, on resurvey line.

Ascend gradually along W. slope, over mountainous land, through a medium growth of sagebrush.

2.50 Ditch, 10 lks. wide, 2 ft. deep, course NE.

15.60 Enter scattering aspen, brs. NW. and SE.

25.00 Leave aspen, brs. NE. and SW.

28.00 Wire fence, brs. E. and W.

40.03 The ¼ sec. cor., which is a red granite, 16 x 10 x 8 ins., firmly set in the ground and marked ¼ on W. face. Along side of stone monument

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S 19 | S 20

1925

Raise a mound of stone, 2½ ft. base, 2 ft. high W. of cor.

Cor. stands on rolling W. slope, 80 ft. above sec. cor. Thence

S. 0° 15'E., with continuous measurement.

72.00 Top of ascent, 260 ft. above ¼ sec. cor., slopes W.; descend gradually entering aspen timber, brs. NW. and SE.

80.32 The cor. of secs. 19, 20, 29 and 30, which is a granite, 16 x 10 x 10 ins., firmly set in a mound of stone, and marked 5 notches on E., and 2 notches on S. edge.

This cor. was subsequently changed to refer to secs. 19 and 20 only. Along side of stone monument

Set an iron post, 3 ft. long, 2 ins.diam., 27 ins. in the ground for the cor. of secs. 19 and 20 only, with brass cap marked

T3S | R7E
S 19 | S 20

S 30

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains	
	From which
	An aspen, 7 ins. diam., brs. N.15°30'E., 46 lks. dist., marked T 3 S R 7 E S 20 B T.
	An aspen, 6 ins. diam., brs. N.65°30'W., 42 lks. dist., marked T 3 S R 7 E S 19 B T.
	Land, rolling mountains.
	Soil, deep, black, rocky loam; 2nd and 3rd rate.
	Undergrowth, a medium growth of sagebrush.
	Timber, scattering aspen on portion of mile.
	Good grazing.
	West, bet. secs. 19 and 30 on retracement line.
40.00	Set temp. ¼ sec. cor. No trace of old cor. found.
81.58	Fall 169 lks. S. of the cor. of secs. 19, and 30, heretofore described.
	The course of this mile is therefore N. 88° 49'W., and the dist. is 81.60 chs., and the proportionate length of the E. half mile is 40.59 chs.; the proportionate length of the W. half mile is 41.01 chs.
	From the cor. of secs. 19 and 20; thence
	N. 88° 49'W., bet. secs. 19 and 30 on resurvey line.
	Descend W. slope over mountainous land, through dense timber and medium undergrowth.
20.00	Old road, brs. N. and S.
21.00	Stream of clear water, 4 lks. wide, 1 in. deep, course NW.
22.30	Bench Creek, stream of clear water, 15 lks. wide, 6 ins. deep, in canyon, 100 ft. below sec. cor., course N.; ascend steep E. slope.
26.00	Leave timber, brs. N. and S.
37.67	Westing of 40.00 chs. from closing cor. of secs. 29 and 30
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground for ¼ sec. cor., sec. 30 only with brass cap marked
	¼ S 30 / 1925
	Raise a mound of stone, 2½ ft. base, 2 ft. high S. of cor.
40.59	Proportionate dist. on steep E. slope, 275 ft. above creek
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in

Resurvey of portion of Subdivision of T. 3 S., R. 7 E.

Chains

the ground on solid rock and 10 ins. in mound of sto

for ¼ sec. cor. sec. 19 only, with brass cap marked

¼ S 19

1925

Raise a mound of stone, 2½ ft. base, 2 ft. high N. of c

64.50 Ridge, 375 ft. above ¼ sec. cor., brs. N. and S.; ente

dense timber, brs. N. and S.; thence over rolling to

69.00 Descend W. slope, brs. N. and S.

76.25 Ravine, 100 ft. below ridge, course N.; trail in ravin

brs. N. and S.; ascend E. slope.

81.00 The cor. of secs. 19 and 30.

Land, rough and mountainous.

Soil, shallow black, rocky loam; 4th rate.

Undergrowth, medium dense sage and choke-berry brush.

Timber, dense aspen and scattering balsam and spruce o

portion of mile. Good grazing.

Survey of The South Boundary of T. 3 S., R. 7 E.

From the cor. of Ts. 3 and 4 S., R. 7 E.

East, on random line along S. bdy. of Tp., setting te

¼ sec. and sec. cors. at intervals of 40.00 chs.; a

494.99 Intersect a line projected S., 484.32 chs. dist. from c

of Ts. 2 and 3 S., Rs. 7 and 8 E., hereinafter describe

At point of intersection

Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in

the ground, for cor. of Ts. 3 and 4 S., Rs. 7 and 8 E

with brass cap marked

T 3 S
R7E | R8E
S36 | S31
S 1 | S 6
T 4 S
1925

From which

A balsam, 14 ins. diam., brs. N. 61°E., 28 lks.

dist., marked T 3 S R 8 E S 31 B T.

A balsam, 9 ins. diam., brs. S. 52°E., 42 lks.

dist., marked T 4 S R 8 E S 6 B T.

A balsam, 16 ins. diam., brs. S. 15° W., 7 lks.

dist., marked T 4 S R 7 E S 1 B T.

A balsam, 12 ins. diam., brs. N. 61°W., 44 lks.

Chains	
	dist., marked T 3 S R 7 E S 36 B T.
	Thence from cor. of Ts. 3 and 4 S., R. 7 E.,
	East, on true line bet. secs. 6 and 31.
	Along N. slope over mountainous land, through medium dense timber and undergrowth.
1.00	Spur, projects N. 20°E.; abrupt descent over E. slope.
13.50	Bench Creek, stream of clear water, 16 lks. wide, 4 ins. deep, in canyon, 430 ft. below spur, course N.; ascend
13.70	Trail, brs. N. and S.
15.60	Head of small spring branch, course NW.
45.00	Spur, 520 ft. above canyon, projects N.; desc. E. slope.
52.00	Leave timber, brs. N. and S.
54.70	Stream of clear water, 5 lks. wide, 3 ins. deep, in draw 140 ft. below spur, course N.; ascend W. slope.
54.99	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in large mound of stone, for ¼ sec. cor., with brass cap marked

S 31
¼
S 6
1925

Deposit a granite, 8 x 6 x 6 ins., marked with a cross (X) at base of post. No other accessories available.

58.00	Enter timber, brs. NE. and SW.
85.00	Ridge, 200 ft. above draw, brs. N. and S.; thence over rolling top of ridge.
90.90	Trail, brs. N. and S.
94.99	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

T3S	R7E
S31	S32
S 6	S 5

T 4 S
1925

From which

An aspen, 5 ins. diam., brs. N. 21°30'E., 11 lks. dist., marked T 3 S R 7 E S 32 B T.

An aspen, 6 ins. diam., brs. S.46°30'E., 11 lks. dist., marked T 4 S R 7 E S 5 B T.

Chains	
	An aspen, 6 ins. diam., brs. S. 32°W., 13 lks. dist., marked T 4 S R 7 E S 6 B T.
	An aspen, 4 ins. diam., brs. N,35°30'W., 11 lks. dist., marked T 3 S R 7 E S 31 B T.
	Land, mountainous; northerly exposure and drainage.
	Soil, shallow, black, rocky loam; 3rd rate.
	Undergrowth, scattering sagebrush on all of mile; scattering willows in bottoms of canyons.
	Timber, medium dense aspen, balsam and spruce on portio of mile. Good grazing.
	East, bet. secs. 5 and 32.
	Descend gradually over broken mountainous land through scattering timber and undergrowth.
4.10	Top of abrupt descent, brs. NE. and SW.
8.50	Trail, brs. N. and S.
20.00	Leave timber, brs. N. and S.
22.80	Enter timber, brs. N. and S.
40.00	On broken E. slope, 330 ft. below sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked
	¼ S 32 / S 5
	1925
	From which
	An aspen, 7 ins. diam., brs. N. 36°E., 80 lks. dist., marked ¼ S 32 B T.
	An aspen, 5 ins. diam., brs. S. 59°W., 72 lks. dist., marked ¼ S 5 B T.
60.30	Trail, brs. NE. and SW.
61.50	The Little South Fork of the Provo River, stream of good water, 20 lks. wide, 10 ins. deep, in canyon 600 ft. below ¼ sec. cor., course N. 20°E., ascend gradual W. slope of spur.
66.10	Low spur, 40 ft. above stream, projects N.; descend gradual E. slope of spur.
74.50	Road, brs. N. and S.

Chains

75.70 Small stream of good water, 5 lks. wide, 2 ins. deep, in bottom of canyon, 140 ft. below spur, drains N.; ascend abrupt W. slope.

80.00 On abrupt W. slope, 70 ft. above stream.

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.

T3S S32	R7E S33
S5	S4

T4S

1925

From which,

An aspen, 5 ins. diam., bears N. 20° E., 18 lks. dist., marked T3S R7E S33 BT.

An aspen, 5 ins. diam., bears S. 48° E., 55 lks. dist., marked T4S R7E S4 BT.

An aspen, 5 ins. diam., bears S. 22° W., 24 lks. dist., marked T4S R7E S5 BT.

An aspen, 5 ins. diam., bears N. 60° W., 26 lks. dist., marked T3S R7E S32 BT.

Land, broken and mountainous with a general northerly exposure and drainage.

Soil, shallow, black, rocky loam; 3rd rate.

Undergrowth, scattering sagebrush and willows.

Timber, scattering aspen on portions of mile.

Exceedingly good grazing.

East, bet. secs. 4 and 33.

Ascend gradual W. slope of ridge over mountainous land through scattering undergrowth and timber.

40.00 On broken W. slope, 300 ft. above the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼ S33 / S4

1925

Chains

From which,

An aspen, 5 ins. diam., bears S. 40° E., 11 lks. dist., marked ¼ S4 BT.

An aspen, 6 ins. diam., bears N. 7° W., 5 lks. dist., marked ¼ S33 BT.

55.00 Ridge, 240 ft. above the ¼ sec. cor., bears NW. and SE. descend gradual NE. slope of ridge.

67.00 Head of draw, 50 ft. below ridge, drains NW.; ascend gradual SW. slope.

80.00 On broken SW. slope, 120 ft. above head of draw.

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

T3S S33	R7E S34
S4	S3

T4S

1925

From which,

An aspen, 8 ins. diam., bears N. 32°45' E., 56 lks. dist., marked T3S R7E S34 BT.

An aspen, 7 ins. diam., bears S. 86°15' E., 68 lks. dist., marked T4S R7E S3 BT.

An aspen, 7 ins. diam., bears S. 66°15' W., 145 lks. dist., marked T4S R7E S4 BT.

An aspen, 7 ins. diam., bears N. 35°15' W., 74 lks. dist., marked T3S R7E S33 BT.

Land, broken and mountainous with a general northwester exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sagebrush and willows.

Timber, scattering aspen, balsam and spruce.

Exceedingly good grazing.

Survey of The South Boundary of T. 3 S., R. 7 E.

Chains	
	East, bet. secs. 3 and 34.
	Ascend gradually over broken W. slope of mountainous land through scattering timber and undergrowth.
7.00	Top of ascent, 80 ft. above cor., bears NE. and SW.; descend gradual NE. slope.
17.40	Small stream of good water, 3 lks. wide, 2 ins. deep, in bottom of swale, 30 ft. below top of ascent, drains N. 20° W.; ascend abrupt W. slope.
26.80	Timber becomes dense, bears N. and S.
40.00	On broken W. slope, 430 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S34 / S3 1925
	From which,
	An aspen, 6 ins. diam., bears S. 55° W., 17 lks. dist., marked ¼ S3 BT.
	An aspen, 7 ins. diam., bears N. 74° W., 28 lks. dist., marked ¼ S34 BT.
45.00	Top of ascent, 100 ft. above the ¼ sec. cor., bears N. and S.; descend gradual SE. slope.
46.60	Leave timber, bears N. and S.
53.80	Saddle in ridge, 10 ft. below top of ascent, bears NW. and SE.; ascend gradual NW. slope.
54.70	Enter dense aspen timber and scattering pine timber, bears N. and S.
77.60	Pine timber becomes dense, bears N. and S.
80.00	In patch of dead timber, 270 ft. above saddle in ridge.
	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.

T3S S34	R7E S35
S3	S2

T4S
1925

Chains

From which,

A balsam, 14 ins. diam., bears N. 33° E., 49 lks. dist., marked T3S R7E S35 BT.

A balsam, 12 ins. diam., bears S. 70° E., 31 lks. dist., marked T4S R7E S2 BT.

A balsam, 12 ins. diam., bears S. 50° W., 7 lks. dist., marked T4S R7E S3 BT.

A balsam, 6 ins. diam., bears N. 82° W., 10 lks. dist., marked T3S R7E S34 BT.

Land, broken and mountainous with a general northeaster and northwesterly exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sagebrush and willows.

Timber, scattering and dense aspen balsam, and spruce on portions of mile.

Exceedingly good grazing.

East, bet. secs. 2 and 35.

Ascend gradual NW. slope of broken mountainous land through dense timber and scattering undergrowth.

12.60 Top of ascent, 70 ft. above cor., bears NW. and SE.; descend gradual NE. slope.

38.60 Draw, 140 ft. below top of ascent, heads 8.00 chs. S., drains N. 15° E.; ascend gradual W. slope.

40.00 On gentle W. slope, 20 ft. above draw.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

$$\frac{1}{4}\ \frac{S35}{S2}$$

1925

From which,

A balsam, 7 ins. diam., bears N. 47°30' E., 14 lks. dist., marked ¼ S35 BT.

A balsam, 7 ins. diam., bears S. 69°30' W., 24 lks. dist., marked ¼ S2 BT.

Chains

54.80 Top of ascent, 60 ft. above the ¼ sec. cor., bears NW. and SE.; descend gradual N. slope.

74.70 Head of draw, 30 ft. below top of ascent, drains N.; ascend gradual NW. slope.

80.00 On gentle NW. slope, 40 ft. above head of draw.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 35 and 36, with brass cap marked.

T3S R7E S35	S36
S2	S1

T4S

1925

From which,

A balsam, 7 ins. diam., bears N. 1°30' E., 143 lks. dist., marked T3S R7E S36 BT.

A balsam, 10 ins. diam., bears S. 13°30' E., 210 lks. dist., marked T4S R7E S1 BT.

An aspen, 9 ins. diam., bears S. 30°45' W., 230 lks. dist., marked T4S R7E S2 BT.

An aspen, 7 ins. diam., bears N. 28°30' W., 128 lks. dist., marked T3S R7E S35 BT.

Land, broken and mountainous with a general northeasterly exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sagebrush.

Timber, dense aspen, balsam, and spruce.

Exceedingly good grazing.

East, bet. secs. 1 and 36.

Ascend gradual N. slope of broken mountainous land through dense timber and scattering undergrowth.

12.00 Top of ascent, 60 ft. above cor., bears N. and S.; descend gradual NE. slope.

14.40 Pine timber becomes dense, bears NE. and SW.

18.30 Leave pine timber, bears N. and S.

Survey of the South Boundary of T. 3 S., R. 7 E.

Chains	
40.00	On gradual NE. slope, 100 ft. below top of ascent. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor., with brass cap marked. ¼ S36 / S1 1925
	From which,
	An aspen, 5 ins. diam., bears N. 31° E., 28 lks. dist., marked ¼ S36 BT.
	An aspen, 5 ins. diam., bears S. 42° W., 42 lks. dist., marked ¼ S1 BT.
61.50	Leave aspen timber and enter dense pine timber, bears NE. and SW.
62.80	Draw, 200 ft. below the ¼ sec. cor., drains N. 60° E.; ascend gradual W. slope.
71.00	Top of ascent, 20 ft. above draw, bears N. and S.; descend gradual E. slope.
80.00	The cor. of Ts. 3 and 4 S., Rs. 7 and 8 E., 20 ft. belo top of ascent, heretofore described. on page 38.
	Land, broken and mountainous with a general northerly exposure and drainage.
	Soil, shallow, black, rocky loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, dense aspen, balsam, and spruce on portions of mile.
	Exceedingly good grazing.

Survey of The North Boundary of T. 3 S., R. 7 E.

	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the township, which is heretofore described.
	East, bet. secs. 1 and 36.
	Ascend gradually over rolling S. slope of mountainous land through scattering undergrowth.
33.50	Top of ascent, 70 ft. above cor., bears N. and S.; descend E. slope through scattering timber, bears N. and S.

Chains	
40.00	No trace of the old ¼ sec. cor. found.
	Point for the ¼ sec. cor. falls in Boulder Creek, which is a stream of good water, 50 lks. wide, 12 ins. deep, in bottom of canyon, 20 ft. below top of ascent, drains S. 30° W.; ascend gradual W. slope.
41.27	On E. side of Boulder Creek.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for witness cor. to the ¼ sec. cor. secs. 1 and 36, with brass cap marked.

WC ¼ S36/S1

1925

From which,

A pine, 10 ins. diam., bears N. 72°30' E., 33 lks. dist., marked WC ¼ S36 BT.

A pine, 8 ins. diam., bears S. 68° E., 176 lks dist., marked WC ¼ S1 BT.

48.50	Telephone line, bears NW. and SE.
52.60	Old road, bears NW. and SE.
58.10	Main road, bears NW. and SE.
64.40	Telephone line, bears NW. and SE.
80.00	On gradual S. slope, 180 ft. above stream.
	Set an iron post, 3 ft. long, 3 ins. diam., 22 ins. in the ground and in a large mound of stone, for cor. of Ts. 2 and 3 S., Rs. 7 and 8 E., with brass cap marked.

T2S

R 7E	R 8E
S36	S31
S1	S6

T3S

1925

From which,

An aspen, 3 ins. diam., bears N. 13°30' E., 37 lks. dist., marked BT.

An aspen, 3 ins. diam., bears N. 16°30' W., 46 lks. dist., marked BT.

No other suitable bearing trees available.

Land, rolling and mountainous with a general northerly exposure and drainage.

Survey of The North Boundary of T. 3 S., R. 7 E.

Chains	
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush and willows.
	Timber, dense aspen, balsam, and spruce on E. portion of mile.
	Exceedingly good grazing.

Survey of The East Boundary of T. 3 S., R. 7 E.

	From the cor. of Ts. 2 and 3 S., Rs. 7 and 8 E., which is heretofore described.
	South, along the W. bdy. of sec. 6.
	Descend gradually over broken S. slope of mountainous land through scattering timber and undergrowth.
7.20	Telephone line, bears E. and W.
12.00	Old road, bears NE. and SW.
15.40	Main road, bears E. and W.
15.70	Telephone line, bears E. and W.
19.30	The North Fork of the Provo River, stream of good water, 120 lks. wide, 18 ins. deep, drains W., in bottom of canyon, 140 ft. below cor.; ascend abrupt N. slope.
24.15	Trail, bears E. and W.
44.32	On abrupt N. slope, 470 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 6 only, with brass cap marked.
	¼ S6
	1925
	From which,
	An aspen, 6 ins. diam., bears N. 51° E., 13 lks. dist., marked ¼ S6 BT.
	An aspen, 6 ins. diam., bears S. 26° E., 44 lks. dist., marked ¼ S6 BT.
45.51	Point, North, 40.00 chs. dist. from the cor. of secs. 1 and 12.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins, in the ground, for ¼ sec. cor. sec. 1 only, with brass cap marked.

Chains	
	¼ S1 | 1925
	From which,
	A balsam, 10 ins. diam., bears S. 27° W., 28 lks. dist., marked ¼ S1 BT.
	An aspen, 8 ins. diam., bears N. 77°30' W., 45 lks. dist., marked ¼ S1 BT.
	Continue ascent.
46.80	Trail, bears E. and W.
72.40	Spur, 320 ft. above the ¼ sec. cor., projects NW.; continue ascent.
84.32	On abrupt N. slope, 40 ft. above spur.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 6 and 7 only, with brass cap marked.
	T3S R7E S1 | T3S S6 S7 R8E 1925
	From which,
	A balsam, 6 ins. diam., bears N. 78°15' E., 57 lks. dist., marked T3S R8E S6 BT.
	A balsam, 4 ins. diam., bears S. 81°45' E., 49 lks. dist., marked T3S R8E S7 BT.
	Land, broken and mountainous with a general northerly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering and dense aspen, balsam, and spruce on portions of mile.
	Exceedingly good grazing.
	South, along the W. bdy. of sec. 7.
	Ascend abruptly over broken N. slope of mountainous land through scattering undergrowth and medium dense timber.

Survey of The East Boundary of T. 3 S., R. 8 E.

Chains	
1.19	Point 80.00 chs. N. of the closing cor. secs. 12 and 13.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1 and 12, T. 3 S., R. 7 E., with brass cap marked.
	T3S S1 | T3S R8E S12 R7E | S 7 1925
	From which,
	A balsam, 5 ins. diam., bears S. 50°15' W., 103 lks. dist., marked T3S R7E S12 BT.
	A balsam, 9 ins. diam., bears N. 30° W., 68 lks. dist., marked T3S R7E S1 BT.
11.00	Ridge, 290 ft. above cor., bears E. and W.; leave pine timber, bears E. and W.; descend gradual SW. slope.
40.00	On broken SW. slope, 160 ft. below ridge.
	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 ¼ sec. cor. sec. 7 only, with brass cap marked.
	¼ S7 1925
	From which,
	An aspen, 8 ins. diam., bears N. 62° E., 53 lks. dist., marked ¼ S7 BT.
	An aspen, 6 ins. diam., bears S. 31° E., 57 lks. dist., marked ¼ S7 BT.
41.19	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 12 only with brass cap mar
	¼ S12 1925
	From which,
	An aspen, 4 ins. diam., bears N. 9° W., 25 lks. dist., marked ¼ S12 BT.
	An aspen, 5 ins. diam., bears N. 14° W., 30 lks. dist., marked ¼ S12 BT. No SW. tree available.
51.70	Leave aspen timber and enter pine timber, bears NW. and S
72.60	Ravine, 320 ft. below the ¼ sec. cor., of sec. 7, drains W.; ascend gradual N. slope.
80.00	On gradual N. slope, 140 ft. above ravine.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 7 and 18 only, with brass cap marked.

Chains	
	T4S | T3S R7E | S7 S12 | S18 R8E 1925
	Raise a mound of stone, 2½ ft. base, 2½ ft. high, E. of cor.
	No other suitable accessories available.
	Land, broken and mountainous with a general southwesterly exposure and drainage.
	Soil, shallow, rocky, black, loam; 3rd rate.
	Undergrowth, scattering sagebrush
	Timber, medium dense aspen, balsam, and spruce on portions of mile.
	Exceedingly good grazing.
	South, along the W. bdy. sec. 18.
	Ascend gradually over broken mountainous land through scattering timber and undergrowth.
1.19	The closing cor. of secs. 12 and 13, which is hereinafter described.
13.00	Spur, 150 ft. above cor., projects W.; descend gradual NW. slope.
40.00	On broken NW. slope, 80 ft. below spur,
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., sec. 18 only, with brass cap marked.
	¼ S18 1925
	From which,
	A balsam, 7 ins. diam., bears N. 84° E., 35 lks. dist., marked ¼ S18 BT.
	A balsam, 6 ins. diam., bears S. 52°30' E., 59 lks. dist., marked ¼ S18 BT.
42.66	Point, North, 40.00 chs. dist. from the closing cor. secs. 13 and 24.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the

Chains

ground, for ¼ sec. cor. sec. 13 only, with brass cap marked.

¼ S13	

1925

From which,

A balsam, 7 ins. diam., bears S. 73°30' W., 42 lks. dist., marked ¼ S13 BT.

A balsam, 7 ins. diam., bears N. 88°30' W., 30 lks. dist., marked ¼ S13 BT.

50.00 Spur, 110 ft. below the ¼ sec. cor. sec. 18, projects W.; continue descent.

60.00 In bottom of draw, 270 ft. below spur, course S. 20°W. Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 18 and 19 only, with brass cap marked.

T38	T38 S18
R7E	
S13	S19 R8E

1925

From which,

A balsam, 10 ins. diam., bears N. 36° E., 26 lks. dist., marked T38 R8E S18 BT.

A balsam, 10 ins. diam., bears S. 22° E., 26 lks. dist., marked T38 R8E S19 BT.

Land, broken and mountainous with a general westerly exposure and drainage.

Soil, shallow, black, rocky loam; 3rd rate.

Undergrowth, scattering sagebrush.

Timber, scattering aspen, balsam, and spruce.

Exceedingly good grazing.

South, along the W. bdy. of sec. 19.

Descend gradual W. slope of mountainous land through scattering timber and undergrowth.

3.66 The closing cor. of secs. 18 and 19, which is hereinbefore described.

Chains.	
28.50	Stream of good water, 15 lks. wide, 6 ins. deep, in bottom of canyon, 230 ft. below the cor., drains W.; dense undergrowth of willows along bottom of canyon; thence over rolling bottom of canyon.
29.00	Base of abrupt ascent over N. slope, bears E. and W.
40.00	On abrupt N. slope, 160 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 19 only, with brass cap marked.
	¼ S19 / 1925
	From which,
	An aspen, 5 ins. diam., bears N. 37°45' E., 40 lks. dist., marked ¼ S19 BT.
	A balsam, 12 ins. diam., bears S. 27°30' E., 49 lks. dist., marked ¼ S19 BT.
42.67	Point midway bet. the closing cors. of secs. 13 and 24, and secs. 24 and 25.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 24 only, with brass cap marked.
	¼ S24 / 1925
	From which,
	An aspen, 6 ins. diam., bears S. 19°15' W., 25 lks. dist., marked ¼ S24 BT.
	An aspen, 6 ins. diam., bears N. 50°15' W., 28 lks. dist., marked ¼ S24 BT.
48.70	Leave timber, bears E. and W.
49.80	Top of ascent, 50 ft. above the ¼ sec. cor. sec. 18, bears E. and W.; descend gradual W. slope.
58.50	Small stream of good water, 3 lks. wide, 2 ins. deep, in bottom of swale, 40 ft. below top of ascent, drains W.; stream heads 20 lks. to the E. of line; ascend gradual N. slope of spur.

Chains

59.00 Enter scattering timber, bears E. and W.

65.80 Spur, 60 ft. above stream, projects W.; descend abrupt S. slope of spur.

71.00 Small stream of good water, 5 lks. wide, 3 ins. deep, i bottom of ravine, 100 ft. below spur, drains W.; ascen abrupt N. slope.

80.00 On abrupt N. slope, 190 ft. above ravine.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 19 and 30 only, with br cap marked.

T3S	T3S S19
R7E	
S24	S30 R8E

1925

From which,

An aspen, 6 ins. diam., bears N. 57° E., 36 lks. dist., marked T3S R8E S19 BT.

An aspen, 4 ins. diam., bears S. 35° E., 16 lks. dist., marked T3S R8E S30 BT.

Land, broken and mountainous with a general northwester exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sagebrush.

Timber, scattering aspen, balsam and spruce on portions mile.

Exceedingly good grazing.

South, along the W. bdy. of sec. 30.

Ascend abruptly over broken mountainous land through scattering timber and undergrowth.

1.70 Ascent becomes gradual, bears E. and W.

2.68 The closing cor. of secs. 24 and 25, which is hereinafte described.

26.10 Old road, bears E. and W.

26.80 Top of ascent, 100 ft. above cor., bears E. and W.; descend gradual SW. slope.

Survey of The East Boundary of T. 3 S., R. 7 E.

Chains	
40.00	On gradual SW. slope, 60 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S25 | S30 1925
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
	No suitable bearing trees available.
72.20	Draw, 40 ft. deep, drains W.; continue gradual descent.
75.20	Telephone line, bears NW. and SE.
80.00	On broken W. slope, 80 ft. below the ¼ sec. 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 cor. of secs. 25, 30, 31 and 36, with brass cap marked.
	T3S R7E | R8E S25 | S30 S36 | S31 1925
	From which,
	An aspen, 8 ins. diam., bears N. 7° E., 12 lks. dist., marked T3S R8E S30 BT.
	An aspen, 3 ins. diam., bears S. 38°15' E., 34 lks. dist., marked BT.
	An aspen, 8 ins. diam., bears S. 14° W., 33 lks. dist., marked T3S R7E S36 BT.
	An aspen, 7 ins. diam., bears N. 43° W., 21 lks. dist., marked T3S R7E S25 BT.
	Land, rolling and mountainous with a general southwesterly exposure and drainage.
	Soil, deep, gravelly, black loam; 2nd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, balsam, and spruce.
	Exceedingly good grazing.
	South, bet. secs. 31 and 36.
	Descend gradually over rolling mountainous land through scattering undergrowth and timber.
.30	Old road, bears NW. and SE.
7.40	Main road, bears NW. and SE.

Survey of The East Boundary of T. 3 S., R. 7 E.

Chains	
8.60	The South Fork of the Provo River, stream of good water 20 lks. wide, 10 ins. deep, in bottom of canyon, 110 below cor., drains N. 40° W.; ascend abrupt N. slope at W. edge of sliderock through dense pine timber.
29.00	Leave timber, bears NE. and SW.; thence across sliderock
30.70	Leave sliderock, bears NE. and SW.; enter scattering timber, bears E. and W.
36.50	Leave pine timber, bears E. and W.
40.00	On gradual N. slope, 220 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor., with brass cap marked.
	¼ S36 | S31 1925
	From which,
	An aspen, 3 ins. diam., bears S. 86° E., 42 lks. dist., marked BT.
	An aspen, 5 ins. diam., bears N. 66°30' W., 41 lks. dist., marked ¼ S36 BT.
41.00	Spur, 20 ft. above the ¼ sec. cor., projects E.; descer gradual SE. slope.
45.00	Head of draw, 20 ft. below spur, drains S. 70° E.; ascer gradual NE. slope through scattering pine and aspen timber.
63.00	Rolling top of ridge, 140 ft. above head of draw, bears E. and W.; descend gradual S. slope.
75.50	Draw, 150 ft. below ridge, drains S. 70° E.; ascend gradual N. slope.
80.00	The cor. of Ts. 3 and 4 S., Rs. 7 and 8 E., 40 ft. above draw, which is heretofore described.
	Land, rolling and mountainous with a general westerly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering and dense aspen, balsam, and spruce on portions of mile..
	Exceedingly good grazing.

Chains	
	From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, which is heretofore described.
	N. 0°01' W., bet. secs. 35 and 36.
	Descend abruptly over NW. slope of mountainous land through scattering aspen timber an undergrowth of sagebrush.
25.00	Enter scattering growth of pine timber, bears NE. and SW.
37.40	Enter dense growth of young pine timber, bears NE. and SW.
40.00	On rolling NW. slope, in dense pine timber, 280 ft. below the sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S35 | S36 1925
	From which,
	A balsam, 5 ins. diam., bears S. 60° E., 14 lks. dist., marked ¼ S36 BT.
	A balsam, 6 ins. diam., bears S. 41° W., 19 lks. dist., marked ¼ S35 BT.
42.40	Leave pine timber, bears NE. and SW.
47.00	Small stream of good water, 1 lk. wide, 2 ins. deep, in bottom of draw, 80 ft. below the ¼ sec. cor., drains NE.; ascend abruptly over rolling SE. slope through scattering aspen timber.
56.80	Top of ascent, 90 ft. above draw, bears NE. and SW.; descend gradually along E. slope of ridge.
80.00	On rolling E. slope, 60 ft. below top of ascent.
	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.

Chains

T3S	R7E
S26	S25
S35	S36

1925

From which,

An aspen, 12 ins. diam., bears N. 78° E., 15 lks. dist., marked T3S R7E S25 BT.

An aspen, 14 ins. diam., bears S. 38°15' E., 54 lks. dist., marked T3S R7E S36 BT.

An aspen, 8 ins. diam., bears S. 72°45' W., 39 lks. dist., marked T3S R7E S35 BT.

An aspen, 7 ins. diam., bears N. 19° W., 34 lks. dist., marked T3S R7E S26 BT.

Land, rolling and mountainous with a general northweste and northeasterly exposure and drainage.

Soil, deep, black, rocky loam.

Undergrowth, scattering sagebrush.

Timber, scattering and dense aspen, balsam and spruce on portions of mile.

Grazing, exceedingly good.

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

40.00 Set temp. ¼ sec. cor.

80.06 Intersect the E. bdy. of the township, 12 lks. S. of th cor. of secs. 25, 30, 31 and 36, which is heretofore described.

Thence,

S. 89°55' W., on true line bet. secs. 25 and 36.

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

.15 Old road, bears N. and S.

5.00 Road, bears NW. and SE.

6.00 Base of descent, 190 ft. below cor., bears NW. and SE.; across rolling bottom of S. Fork of the Provo River, through dense undergrowth of willows.

7.00 The center of the S. Fork of the Provo River, stream of

Chains	
	good water, 50 lks. wide, 2 ft. deep, drains NW.; continue across canyon bottom through dense willows.
8.70	Base of abrupt ascent, bears NW. and SE.; leave dense willow undergrowth.
36.20	The N. point of spur, 890 ft. above stream; descend gradually.
40.03	In bottom of swale, 40 ft. below spur, course N.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S25 / S36
	1925
	From which,
	A balsam, 6 ins. diam., bears N. 80° E., 81 lks. dist., marked ¼ S25 BT.
	A balsam, 10 ins. diam., bears S. 50° E., 58 lks. dist., marked ¼ S36 BT.
51.00	Spur, 140 ft. above the ¼ sec. cor., projects N. 15° E.; descend gradually over W. slope.
57.00	Small stream of good water, 2 lks. wide, 2 ins. deep, in bottom of draw, 80 ft. below spur, drains N. 20° E.; ascend gradually over E. slope.
80.06	The cor. of secs. 25, 26, 35 and 36, 170 ft. above stream.
	Land, rolling and mountainous with a general easterly and westerly exposure and northerly drainage.
	Soil, deep, black, gravely loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, balsam and spruce.
	Exceedingly good grazing.
	N. 0°01' W., on random line bet. secs. 25 and 26.
40.00	Set temp. ¼ sec. cor.
77.30	Fall 2.7 lks. W. of the cor. of secs. 23, 24, 25 and 26,
	Thence,
	S. 0°11' W., on true line bet. secs. 25 and 26.

Chains

Descend abruptly over mountainous land through dense timber and scattering undergrowth.

13.40 Timber, becomes scattering, bears E. and W.; enter slid rock, bears E. and W.

15.50 Leave sliderock in bottom of rocky draw, 380 ft. below cor., drains W.; ascend abruptly.

29.60 Top of ridge, 60 ft. above draw, bears E. and W.; then over rolling E. slope.

37.30 On rolling slope,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor., with brass cap marked.

¼

S26 | S25

1925

From which,

An aspen, 8 ins. diam., bears S. 80°30' E, 56 lks. dist., marked ¼ S25 BT.

An aspen, 7 ins. diam., bears N. 49°15' W., 30 lks. dist., marked ¼ S26 BT.

Timber becomes scattering, bears E. and W.

77.30 The cor. of secs. 25, 26, 35 and 36, 320 ft. above top of ascent.

Land, rolling and mountainous with a general northwester exposure and drainage.

Soil, deep, black, gravely loam.

Undergrowth, scattering sagebrush.

Timber, scattering and dense balsam, spruce, and aspen on portions of mile.

Exceedingly good grazing.

From the ¼ sec. cor. of secs. 24 and 25, which is heretofore described.

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

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

Subdivision of T. 3 S., R. 7 E.

Chains	
.50	Old road, bears N. and S.
17.50	Road, bears NW. and SE.
35.40	Timber becomes scattering, bears NE. and SW.
39.77	On rolling NW. slope, 350 ft. above the ¼ sec. cor.
	Intersect the E. bdy. of the township, South, 2.68 chs. dist. from the cor. of secs. 19, and 30, T. 3 S., R. 8 E., which is heretofore described.
	At point of instersection.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 24 and 25, T. 3 S., R. 7 E., with brass cap marked.

T3S C S24	T3S
	R8E
C S25 R7E	S30

1925

From which,

An aspen, 8 ins. diam., bears S. 87°10' W., 321 lks. dist., marked T3S R7E S25 CC BT.

An aspen, 4 ins. diam., bears N. 48°15' W., 98 lks. dist., marked T3S R7E S24 CC BT.

Land, rolling and mountainous with a general northwesterly exposure and drainage.

Soil, deep, black, gravelly loam.

Undergrowth, scattering sagebrush.

Timber, scattering and dense balsam, spruce and aspen on portions of mile.

Exceedingly good grazing.

From the ¼ sec. cor. of secs. 13 and 24, which is heretofore described.

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

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

6.70 Spur, 80 ft. above cor., projects S.; descend gradually over SE. slope.

Chains	
10.20	Swale, 30 ft. below spur, drains S.; ascend gradually over SW. slope.
21.50	Spur, 90 ft. above swale, projects S.; descend gradually over E. slope.
32.85	Old trail, bears SE, and NW.
36.40	Draw, 310 ft. below spur, drains S.; ascend gradually over SW. slope.
39.55	On rolling SW. slope, 30 ft. above draw.

Intersect the E. bdy. of the township, South, 2.66 chs. dist. from the cor. of secs. 18 and 19, T. 3 S., R. 8 E., which is heretofore described.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 13 and 24, T. 3 S., R. 7 E, with brass cap marked.

T3S C S13	T3S
	R8E
C S24 R7E	S19

1925

From which,

A balsam, 6 ins. diam., bears S. 47° W., 48 lks. dist., marked T3S R7E S24 CC BT.

A Balsam, 9 ins. diam., bears N. 58° W., 39 lks. dist., marked T3S R7E S13 CC BT.

Land, rolling and mountainous with a general southerly exposure and drainage.

Soil, deep, black, gravelly loam.

Undergrowth, scattering sagebrush.

Timber, medium dense growth of balsam, spruce and aspen.

Exceedingly good grazing.

Subdivision of T. 3 S., R. 7 E.

Chains	
	From the ¼ sec. cor. of secs. 13 and 14, which is heretofore described.
	N. 0°01' W., bet. secs. 13 and 14.
	Ascend gradually over broken SW. slope through scattering timber and undergrowth.
40.98	On broken NW. slope, 480 ft. above the ¼ sec. cor.; point East, 41.23 chs. dist. from the ¼ sec. cor. of secs. 11 and 14.
	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. 11, 12, 13 and 14, with brass cap marked.

T3S S11	R7E S12
S14	S13

1925

From which,

A mahogany, 5 ins. diam., bears N. 43° E., 99 lks. dist., marked T3S R7E S12 BT.

A mahogany, 9 ins. diam., bears S. 29°15' E., 95 lks. dist., marked T3S R7E S13 BT.

A mahogany, 14 ins. diam., bears S. 39° W., 34 lks. dist., marked T3S R7E S14 BT.

A mahogany, 6 ins. diam., bears N. 76°30' W., 43 lks. dist., marked T3S R7E S11 BT.

Land, broken and mountainous with a general southerly exposure and drainage.

Soil, shallow, rocky, black, loam; 3rd rate.

Undergrowth, scattering sagebrush and medium dense mahogany on portions of mile.

Timber, scattering balsam, spruce, aspen and juniper.

Exceedingly good grazing.

	East, on random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.52	Intersect the E. bdy. of the township, South, 1.19 chs. dist. from the cor. of secs. 7 and 18, T. 3 S., R. 8 E.,

Chains	
	which is heretofore described.
	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. 12 and 13, T. 3 S., R. 7 E. with brass cap marked.
	T3S S12 | T3S CC ——— | R8E S13 R7E | S18 1925
	Deposit a granite, 12 x 8 x 4 ins., at base of post, marked with a cross (X).
	No other suitable accessories available.
	Thence,
	West, on true line bet. secs. 12 and 13.
	Descend gradually over broken mountainous land through scattering undergrowth.
21.00	Enter scattering timber, bears N. and S.
27.10	Leave timber, bears N. and S.
33.70	Enter timber, bears NE. and SW.
39.76	On broken NW. slope, 520 ft. below the closing cor.
	Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S12 / S13 1925
	From which,
	A balsam, 5 ins. diam., bears S. 9° W., 59 lks. dist., marked ¼ S13 BT.
	A cedar, 7 ins. diam., bears N. 47°30' W., 47 lks. dist., marked ¼ S12 BT.
45.00	Trail, bears N. and S.
45.10	Wash, 40 lks. wide, 3 ft. deep, in bottom of canyon, 60 ft. below the ¼ sec. cor., drains S. 20° W.; ascend gradually over broken E. slope.

Chains	
53.10	Spur, 30 ft. above canyon, projects S. 15° W.; descend gradually over W. slope.
66.90	Draw, 50 ft. below spur, drains S. 20° W.; ascend gradually over SE. slope.
73.30	Spur, 40 ft. above draw, projects S. 20° E.; descend gradually over SW. slope.
79.52	The cor. of secs. 11, 12, 13, and 14, 50 ft. below spur.
	Land, broken and mountainous with a general southwesterly exposure and drainage.
	Soil, shallow, black, rocky loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering cedar, balsam, spruce and aspen on portions of mile.
	Exceedingly good grazing.

	N. 0°01' W., bet. secs. 11 and 12.
	Over broken W. slope through scattering timber and undergrowth.
1.60	Top of gradual descent, bears E. and W.
6.80	Sagebrush draw, 50 ft. below top of descent, drains S. 70° W.; ascend gradually over S. slope.
22.00	Spur, 210 ft. above draw, projects S. 70° W.; descend gradually over broken N. slope.
29.00	Open draw, 130 ft. below spur, drains W.; ascend gradual N. slope.
40.00	On gentle SW. slope, 120 ft. above draw.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 12 only, with brass cap marked.

¼ S12

1925

From which,

A cedar, 6 ins. diam., bears N. 80° E., 29 lks. dist., marked ¼ S12 BT.

A balsam, 7 ins. diam., bears S. 79° E., 64 lks. dist., marked ¼ S12 BT.

Chains	
40.91	Point midway between the cor. of secs. 2 and 11, and th cor. of secs. 11, 12, 13 and 14; on top of spur, 10 f above the ¼ sec. cor. sec. 12, projects W.
	Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in th ground to bedrock and in a large mound of stone, for ¼ sec. cor. sec. 11 only, with brass cap marked.
	¼ S11 | 1925
	From which,
	A balsam, 6 ins. diam., bears S. 53° W., 55 lks. dist., marked ¼ S11 BT.
	A balsam, 13 ins. diam., bears N. 71° W., 26 lks. dist., marked ¼ S11 BT.
44.20	Swale, 20 ft. below the spur, drains W.; descend gradual S. slope.
47.40	Spur, 30 ft. above swale, projects W.; descend gradual NW. slope.
49.60	Head of draw, 20 ft. below spur, drains W.; ascend gradual SW. slope.
62.00	Ridge, 30 ft. above draw, bears N. 80° E. and S. 80° W.; descend abrupt NW. slope of ridge.
80.00	On broken NW. slope, 350 ft. below ridge.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1 and 12 only, with bras cap marked.
	S11 | T3S S1 / S12 R7E 1925
	From which,
	A balsam, 9 ins. diam., bears N. 27° E., 26 lks. dist., marked T3S R7E S1 BT.
	A balsam, 7 ins. diam., bears S. 10° E., 12 lks. dist., marked T3S R7E S12 BT.

Chains	
	Land, broken and mountainous with a general southwesterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, balsam, spruce and cedar.
	Exceedingly good grazing.
	East, on random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.54	Intersect the E. bdy. of the township, 9 lks. S. of the cor. of secs. 1 and 12, T. 3 S., R. 7 E., which is heretofore described.
	Thence,
	S. 89°56' W., on true line bet. secs. 1 and 12.
	Descend gradually over mountainous land through dense pine timber and scattering undergrowth.
34.30	Pine timber becomes scattering, enter scattering aspen timber, bears N. and S.
39.77	On gentle NW. slope, 460 ft. below the sec. cor.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S1 / S12 1925
	From which,
	A balsam, 6 ins. diam., bears N. 59° E., 36 lks. dist., marked ¼ S1 BT.
	A balsam, 7 ins. diam., bears S. 15° W., 43 lks. dist., marked ¼ S12 BT.
	Continue gradual descent.
47.50	Small stream of good water, 2 lks. wide, 2 ins. deep, in ravine, 20 ft. deep, drains N. 10° W.; continue descent.
49.00	Trail, bears N. 15° W. and S. 15° E.
79.54	The cor. of secs. 1 and 12, 300 ft. below the ¼ sec. cor.
	Land, broken and mountainous with a general northwesterly exposure and drainage.

Chains	
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering and dense aspen, balsam, and spruce portions of mile.
	Exceedingly good grazing.
	N. 0°01' W., on random line along the W. bdy. of sec. 1.
40.00	Set temp. ¼ sec. cor. sec. 1 only.
41.79	Fall 18 lks. E. of the ¼ sec. cor. originally for secs. 1 and 2, and which now is for sec. 2 only, as heretofo described.
	Thence,
	S. 0°16' E., on true line bet. secs. 1 and 2.
	Ascend gradually over broken mountainous land through scattering timber and undergrowth.
1.79	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in th ground, for ¼ sec. cor. sec. 1 only, with brass cap marked.
	¼ S1
	1925
	From which,
	An aspen, 5 ins. diam., bears N. 65° E., 7 lks. dist., marked ¼ S1 BT.
	An aspen, 5 ins. diam., bears S. 48° E., 9 lks. dist., marked ¼ S1 BT.
5.30	Ascent becomes more gradual, bears NE. and SW.
13.20	Trail, bears E. and W.
20.20	Ascent becomes abrupt, bears E. and W.
28.50	Pine timber becomes more dense, bears E. and W.
39.97	Point for the cor. of secs. 2 and 11, hereinafter describe
41.79	The cor. of secs. 1 and 12, 450 ft. above the ¼ sec. cor. of sec. 2.
	Land, broken and mountainous with a general northerly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.

Subdivision of T. 3 S. R 7 E.

chains	
	Undergrowth, scattering sagebrush.
	Timber, scattering and dense aspen, balsam and spruce on portions of mile.
	Exceedingly good grazing.

	From the cor. of secs. 2, 3, 34 and 35 on the S. bdy. of the township, which is heretofore described.
	N, 0° 01' W. bet. secs. 34 and 35
	Descend gradually over rolling mountainous land through dense pine timber and scattering undergrowth.
5.20	Slope changes from the NW. to the W.
10.20	Leave pine timber, enter scattering aspen timber, bears E and W
40.00	On grassy W. slope, 500 ft. below the sec. cor. Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S34 | S35 1925
	from which
	An aspen, 6 ins. diam., bears S. 40° E., 230 lks. dist. marked ¼ S.35 B.T.
	An aspen, 10 ins. diam., bears S. 27° 15'W 143 lks. dist., marked ¼ S. 34 BT.
	Continue gradual descent.
41.60	Center of small seep, 45 lks. wide.
42.60	Small stream which forms the head of Willow Creek, 2 lks. wide, 2 ins. deep, drains NE; leave aspen timber and enter pine timber, bears E. and W.
44.90	Recross head of Willow Creek, drains N.W.
46.50	Recross head of Willow Creek, drains N.30°E
48.00	Leave pine timber, bears NE and SW. thence through medium dense growth of aspen timber.
71.80	Small marshy seep, drains E.
80.00	On rolling NW slope, 110 ft. below the ¼ sec.cor.

Subdivision of T. 3 S. R. 7 E.

chains

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.

T38	R7E
S27	S26
S34	S35

From which 192½

A balsam, 7 ins.diam., bears N. 82° E. 43 lks. dist. marked T38 R 7 E S 26 BT.

A balsam, 8 ins. diam., bears S. 65° 30' E. 36 lks. dist., marked T.38 R 7E S35 BT.

A balsam, 4 ins. diam., bears S. 66°30' W., 16 lks. dist., marked T3S R7E S34 BT.

A balsam, 8 in. diam., bears N.78° 30'W, 45 lks. dist., marked T3S R7E S27 B.T.

Land, rolling and mountainous with a general northwestly exposure and drainage.

Soil, deep black gravelly loam; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering and medium dense aspen, balsam, and spruce.

Exceedingly good grazing.

East, on random line bet. secs. 26 and 35.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect the N. and S. line, 9 lks. S. of the cor. of Secs. 25, 26, 35 and 36.

Thence,

S. 89° 56' W., on true line bet. secs. 26 and 35.

Ascend gradually over rolling E. slope of mountainous land through scattering timber and undergrowth.

[illegible] Ridge, 50 ft. above cor., bears N. and S.; descend gradual W. slope of ridge.

[illegible] On grassy NW. slope, 260 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in.diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

Subdivision of T. 3 S., R. 7 E.

Chains	
	$\frac{1}{4}$ S26 / S35 1925
	From which,
	An aspen, 6 ins. diam., bears N. 39° E., 76 lks. dist., marked $\frac{1}{4}$ S26 BT.
	An aspen, 7 ins. diam., bears S. 74° W., 113 lks. dist., marked $\frac{1}{4}$ S35 BT.
	Continue gradual descent.
44.10	Enter scattering willow undergrowth, bears N. 10° E. and S. 10° W.
49.60	Small stream of good water, 2 lks. wide, 2 ins. deep, drains NW.
52.10	Small stream of good water, 2 lks. wide, 2 ins. deep, drains NW.
53.60	Enter scattering pine timber, bears N. 40° E. and S. 40° W.
62.80	Trail, bears NE. and SW.
63.60	Willow Creek, stream of good water, 5 lks. wide, 2 ins. deep, in bottom of canyon, 240 ft. below ridge, drains N. 20° E.; ascend gradual NE. slope through scattering timber.
78.40	Top of ascent, 200 ft. above creek, bears N. and S.; descend gradually.
80.00	The cor. of secs. 26, 27, 34 and 35, 15 ft. below top of ascent.
	Land, rolling and mountainous with a general north-easterly exposure and drainage.
	Soil, deep, black, gravelly loam; 2nd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, balsam, and spruce, on portions of mile.
	Exceedingly good grazing.

Chains	
	N. 0°11' E., bet. secs. 26 and 27.
	Descend gradually over rolling E. slope of mountainous land through scattering timber and undergrowth.
2.80	Small stream of good water, 3 lks. wide, 2 ins. deep, in draw, 30 ft. below cor., drains N. 40° E.; ascend gradually.
13.50	Top of ascent, 110 ft. above stream, bears NE. and SW.; descend gradually.
25.50	Head of small draw, 10 ft. deep, drains N. 40° E.; continue gradual descent over rolling E. slope of mountainous land.
40.00	On gentle E. slope, 180 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S27 | S26 1925
	From which,
	A balsam, 8 ins. diam., bears N. 18° E., 55 lks. dist., marked ¼ S26 BT.
	A balsam, 7 ins. diam., bears N. 16° W., 25 lks. dist., marked ¼ S27 BT.
	Continue gradual descent.
53.00	Head of small draw, 10 ft. deep, drains NE.; continue descent.
77.30	On gentle NE. slope, 350 ft. below the ¼ sec. cor.
	Intersect the S. bdy. of sec. 23, East, 89 lks. dist. from the cor. of secs. 22 and 23, which is hereinafter described.
	At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 26 and 27, with brass cap marked.

Chains

S23

S27	S26
T3S	R7E
C	C

1925

From which,

An aspen, 5 ins. diam., bears S. 59°30' E., 30 lks. dist., marked T3S R7E S26 CC BT.

An aspen, 5 ins. diam., bears S. 39°30' W., 30 lks. dist., marked T3S R7E S27 CC BT.

Land, rolling and mountainous with a general northeasterly exposure and drainage.

Soil, deep, black, gravelly loam; 2nd rate.

Undergrowth, scattering sagebrush.

Timber, scattering aspen, blasam, and spruce.

Exceedingly good grazing.

From the cor. of secs. 23, 24, 25 and 26, which is heretofore described.

West, on random line bet. secs. 23 and 26.

40.00 Set temp. ¼ sec. cor. for sec. 26 only.

40.445 Set temp. ¼ sec. cor. for sec. 23 only.

81.05 Point, South, 40.35 chs. dist. from the ¼ sec. cor. of secs. 22 and 23.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 22 and 23 only, with brass cap marked.

T3S	R7E
S22	S23

S27

1925

From which,

An aspen, 7 ins. diam., bears N. 69°30' E., 39 lks. dist., marked T3S R7E S23 BT.

Chains

An aspen, 5 ins. diam., bears N. 52°45' W., 15 lks. dist., marked T3S R7E S22 BT.

Thence,

East, on true line along the S. bdy. of sec. 23.

Descend gradually over broken NE. slope of broken mountainous land through scattering timber and undergrowth.

.89 The closing cor. of secs. 26 and 27.

7.00 Descent becomes abrupt, bears N. and S.; thence over broken E. slope.

[illegible].40 Willow Creek, stream of good water, 15 lks. wide, 7 ins deep, in bottom of canyon, 400 ft. below cor., drains N.; thence ascend abruptly over brokeh SW. slope.

[illegible].70 Trail, bears N. and S.

40.525 On broken W. slope, 350 ft. above creek, in scattering aspen and pine timber.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in t ground to bedrock and in a large mound of stone, for ¼ sec. cor., sec. 23 only, with brass cap marked.

¼ S23

1925

From which,

An aspen, 5 ins. diam., bears N. 52°45' E., 12 lks. dist., marked ¼ S. 23 BT.

An aspen, 5 ins. diam., bears N. 3° W., 5 lks. dist., marked ¼ S23 BT.

Chains	
40.97	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 ¼ sec, cor. sec. 26 only, with brass cap marked. ¼ S26 1925 From which, An aspen, 5 ins. diam., bears S. 38°30' E., 33 lks. dist., marked ¼ S26 BT. An aspen, 4 ins. diam., bears S. 57° W., 5 lks. dist., marked ¼ S26 BT.
70.90	Top of ridge, brs. NW. and S.80°E.; over rolling top.
81.05	The cor. of secs. 23, 24, 25 and 26, 480 ft. above the ¼ sec. cor. sec. 23. Land, steep, broken slopes and mountainous with a general easterly and westerly exposure and drainage. Soil, shallow, rocky, black, loam; 3rd rate. Undergrowth, scattering sagebrush. Timber, scattering aspen, balsam, and spruce. Exceedingly good grazing.
	From the ¼ sec. cor. secs. 22 and 23, which is heretofore described. South, bet. secs. 22 and 23. Ascend abruptly over abrupt NE. slope of broken mountainous land through scattering timber and undergrowth.
40.35	The cor. of secs. 22 and 23, 680 ft. above the ¼ sec. cor. Land, broken and mountainous with a general northeasterly exposure and drainage. Soil, shallow, rocky, black loam; 3rd rate. Undergrowth, scattering sagebrush. Timber, scattering aspen, balsam, and spruce. Exceedingly good grazing.

Chains

From the ¼ sec. cor. secs. 11 and 14, which is heretofo
described.

East, bet. secs. 11 and 14.

Ascend gradually over broken mountainous land through
scattering timber and undergrowth.

20.00 Rolling top of spur, 120 ft. above cor., projects S.;
descend gradual W. slope of spur.

26.70 Small pole corral, bears N., 1.25 chs. dist.

35.20 Head of draw, 200 ft. below spur, drains S.; ascend
gradually.

41.23 The cor. of secs. 11, 12, 13 and 14, 140 ft. above draw

Land, broken and mountainous with a general southerly
exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sagebrush and mahogany.

Timber, scattering juniper.

Exceedingly good grazing.

From the ¼ sec. cor. secs. 2 and 11, which is heretofor
described.

East, bet. secs. 2 and 11.

Ascend abruptly over broken NW. slope of mountainous la
through scattering timber and undergrowth.

9.70 Pine timber becomes dense, bears N. and S.

40.73 On broken NW. slope, 540 ft. above the ¼ sec. cor.

Intersect the W. bdy. of sec. 1, S., 10°16' E., 39.97 ch
dist., from the ¼ sec. cor. sec. 2.

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in
the ground, for cor. of secs. 2 and 11 only, with bra
cap marked.

T3S
S2 | S1
S11
R7E

Subdivision of T. 3 S., R. 7 E.

Chains	
	From which,
	A balsam, 6 ins diam., bears N. 68° W., 8 lks. dist., marked T3S R7E S2 BT.
	A balsam, 8 ins. diam., bears S. 38° W., 8 lks. dist., marked T3S R7E S11 BT.
	Land, broken and mountainous with a general northwesterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, spruce, and balsam.
	Exceedingly good grazing.

	From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, which is heretofore described.
	N. 0°02' W., bet. secs. 33 and 34.
	Descend gradually over rolling mountainous land through scattering timber and undergrowth.
19.60	Small stream of good water, 2 lks. wide, 3 ins. deep, in bottom of draw, 120 ft. below cor., drains N. 70° W.; aspen timber becomes dense, bears E. and W.; thence ascend gradual S. slope of spur.
26.80	Spur, 50 ft. above stream, projects N. 70° W.; descend gradual N. slope of spur.
29.50	Draw, 50 ft. below spur, drains N. 70° W.; ascent gradual SW. slope of spur.
35.30	Low spur, 20 ft. above draw, projects N. 30° W.; descend broken N. slope of spur along W. side of draw.
40.00	On broken N. slope of spur, 20 ft. below top.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼

S33 | S34

1925

From which,

An aspen, 4 ins. diam., bears S. 21°30' E., 20 lks. dist., marked ¼ S34 BT.

Chains

An aspen, 6 ins. diam., bears West, 24 lks. dist., marked ¼ S33 BT.

43.40 Draw, 20 ft. below the ¼ sec. cor., drains N. 20° W.; ascend gradually along W. slope.

50.00 Top of ascent, bears E. and W.; 10 ft. above draw; desc gradual W. slope; aspen timber becomes scattering, be E. and W.

56.00 Head of draw, 20 ft. below top of descent, drains NW.; ascend gradual SW. slope.

67.20 Spur, 30 ft. above head of draw, projects W.; descend gradual NW. slope; aspen timber becomes dense, bears NW. and SE.

80.00 On broken NW. slope, 120 ft. below spur.

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. 27, 28, 33 and 34, with brass cap m

T3S S28	R7E S27
S33	S34

1925

From which,

An aspen, 6 ins. diam., bears N. 42° E., 30 lks. dist., marked T3S R7E S27 BT.

An aspen, 7 ins. diam., bears S. 49° E., 23 lks. dist., marked T3S R7E S34 BT.

An aspen, 6 ins. diam., bears S. 7°45' W., 117 lks. dist., marked T3S R7E S33 BT.

An aspen, 7 ins. diam., bears N. 15° W., 43 lks. dist., marked T3S R7E S28 BT.

Land, rolling and mountainous with a general westerly exposure and drainage.

Soil, deep, black, gravelly loam; 3rd rate.

Undergrowth, scattering sagebrush.

Timber, scattering and dense aspen and scattering balsam and spruce on portions of mile.

Exceedingly good grazing.

Chains	
	East, on random line bet. secs. 27 and 34.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect the N. and S. line, 16 lks. N. of the cor. of secs. 26, 27, 34 and 35.
	Thence,
	N. 89°53' W., on true line bet. secs. 27 and 34.
	Descend gradually over rolling NW. slope through scattering timber and undergrowth.
3.00	Small stream of good water, 3 lks. wide, 2 ins. deep, in bottom of draw, 20 ft. below cor., drains N. 15° E.; ascend abrupt E. slope of ridge.
15.80	Ridge, 200 ft. above stream, bears N. and S.; descend abrupt W. slope of ridge.
34.00	Enter scattering willow undergrowth, bears N. and S.
39.95	Foot of W. slope, 420 ft. below ridge, brs. NW. and S.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S27 / S34
	1925
	From which,
	An aspen, 6 ins. diam., bears N. 69° E., 79 lks. dist., marked ¼ S27 BT.
	An aspen, 5 ins. diam., bears S. 19° E., 21 lks. dist., marked ¼ S34 BT.
57.00	Leave willow undergrowth, bears N. and S.
58.50	Small seep of good water in bottom of draw, 120 ft. below the ¼ sec. cor., drains N.; ascend gradual NE. slope of spur.
72.20	Spur, 50 ft. above draw, projects N.; descend abrupt NW. slope of spur.
79.90	The cor. of secs. 27, 28, 33 and 34, 120 ft. below spur.
	Land, rolling and mountainous with a general northwesterly exposure and drainage.
	Soil, deep, black, gravelly loam; 2nd rate.

Chains	
	Undergrowth, scattering sagebrush and willows on portio of mile.
	Timber, scattering aspen, spruce, and balsam.
	Exceedingly good grazing.
	N. 0°10' E., bet. secs. 27 and 28.
	Descend abruptly over mountainous land through scatteri timber and undergrowth.
12.00	Small stream of good water, 5 lks. wide, 4 ins. deep, i bottom of draw, 210 ft. below cor., drains N. 70° W.; ascend gradual SW. slope.
27.20	Ridge, 130 ft. above stream, bears E. and W.; descend abrupt NW. slope of ridge.
40.00	On abrupt NW. slope, 230 ft. below top of ridge.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor., with brass cap marked.
	¼ S28 | S27 1925
	From which,
	A balsam, 7 ins. diam., bears S. 26° E., 7 lks. dist., marked ¼ S27 BT.
	A balsam, 4 ins. diam., bears N. 84° W., 14 lks. dist., marked ¼ S28 BT.
65.00	Trail, bears NE. and SW.
70.10	The Little South Fork of the Provo River, stream of goo water, 20 lks. wide, 10 ins. deep, in bottom of canyo 370 ft. below the ¼ sec. cor., drains N. 70° E.; asce abrupt SE. slope; leave timber, bears NE. and SW.
77.12	On SE. slope, 210 ft. above stream; intersect the S. bdy. of sec. 22, East, 1.07 chs. dist. from the cor. of secs. 21 and 22, which is hereinafter described.
	At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 27 and 28, with brass cap marked.

Chains

S22	
S28	S27
T3S	R7E
C	C

1925

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

Land, mountainous with a general northeasterly and northwesterly exposure and drainage.

Soil, deep, black, gravelly loam; 2nd rate.

Undergrowth, scattering sage and oak brush.

Timber, scattering aspen, spruce and balsam on S. portion of mile.

Exceedingly good grazing.

From the cor. of secs. 22 and 23.

West, on random line along the S. bdy. of sec. 22.

39.10 Set temp. ¼ sec. cor. for sec. 27 only.

40.00 Set temp. ¼ sec. cor. for sec. 22 only.

80.33 At a point, South, 41.22 chs. from the ¼ sec. cor. secs. 21 and 22.

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 and 22 only, with brass cap marked.

T3S	R7E
S21	S22

S28

1925

Deposit a granite, 6 x 6 x 5 ins., at base of post, marked with a cross (X).

No other suitable accessories available.

Thence,

East, on true line along the S. bdy. of sec. 22.

Descend abruptly over mountainous land through scattering undergrowth.

1.07 The closing cor. of secs. 27 and 28.

9.20 The Little South Fork of the Provo River, stream of good water, 20 lks. wide, 10 ins. deep, in bottom of canyon,

Chains	
	150 ft. below the cor., drains N.; beaver dam across stream at this point; thence ascend abrupt W. slope.
14.20	Trail, bears N. and S.
32.00	Ravine, 20 ft. deep, drains NW.; enter scattering timbe bears N. and S.; continue ascent.
40.165	On steep W. slope, 500 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in t ground, to bedrock and in a large mound of stone, for ¼ sec. cor. sec. 22 only, with brass cap marked.
	¼ S22
	1925
	From which,
	An aspen, 7 ins. diam., bears N. 30° E., 15 lks. dist., marked ¼ S22 BT.
	An aspen, 4 ins. diam., bears N. 76° W., 9 lks. dist., marked ¼ S22 BT.
41.145	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor. sec. 27 only, with brass cap marked.
	¼ S27
	1925
	From which,
	An aspen, 4 ins. diam., bears S. 28° E., 12 lks. dist., marked ¼ S27 BT.
	A balsam, 7 ins. diam., bears S. 24° W., 29 lks. dist., marked ¼ S27 BT.
43.00	Enter sliderock, bears N. and S.
50.40	Leave sliderock, bears N. and S.
52.70	Ridge, 500 ft. above the ¼ sec. cor. sec. 22, bears N. and S.; descend NE. slope of ridge.
80.33	The cor. of secs. 22 and 23, 290 ft. below ridge.
	Land, broken and mountainous with a general northerly exposure and drainage.
	Soil, shallow, rocky, black laom; 3rd rate.

Chains	
	Undergrowth, scattering willows, oak, and sage brush.
	Timber, scattering aspen, balsam, and spruce on E. portion of mile.
	Exceedingly good grazing.
	From the ¼ sec. cor. secs. 21 and 22, which is heretofore described.
	South, bet. secs. 21 and 22.
	Ascend abrupt N. slope of mountainous land through dense undergrowth and scattering timber.
15.90	The E. point of spur, 550 ft. above cor.; descend abrupt SE. slope.
30.00	Leave timber, bears E. and W.
41.22	The cor. of secs. 21 and 22, 600 ft. below point of spur.
	Land, broken and mountainous with a general northerly and southwesterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, dense sage, oak, and service-berry brush.
	Timber, scattering aspen, balsam, and spruce on N. portion of mile.
	Exceedingly good grazing.
	From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, which is heretofore described.
	N. 0°03' W., bet. secs. 32 and 33.
	Ascend abruptly over broken mountainous land through scattering timber and undergrowth.
8.00	Top of ascent, bears E. and W., 70 ft. above cor.; descend abrupt NW. slope.
24.80	Trail, bears N. 20° E. and S. 20° W.
27.20	The Little South Fork of the Provo River, stream of good water, 20 lks. wide, 10 ins. deep, in bottom of canyon, 240 ft. below top of ascent, drains N. 20° E.; ascend gradually over broken SE. slope.
33.30	Old road, bears SW. and NE.

Chains	
34.70	Recross road, bears NW. and SE.
40.00	On gentle E. slope, 50 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

¼
S32 | S33
1925

From which,

An aspen, 4 ins. diam., bears N. 55° E., 11 lks. dist., marked ¼ S33 BT.

An aspen, 6 ins. diam., bears N. 57° W., 13 lks. dist., marked ¼ S32 BT.

52.30	Aspen timber becomes dense, bears E. and W.
61.30	Draw, 30 ft. deep, drains E.; continue ascent.
62.00	Undergrowth becomes dense, bears E. and W.
70.10	Top of ascent, 250 ft. above the ¼ sec. cor., bears E. and W.; descend gradual NE. slope.
70.20	Leave aspen timber, bears E. and W.
75.80	Enter dense aspen timber, bears E. and W.
80.00	On gentle NE. slope, 100 ft. below top of ascent.
	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.

T3S S29	R7E S28
S32	S33

1925

From which,

An aspen, 4 ins. diam., bears N. 47° E., 16 lks. dist., marked T3S R7E S28 BT.

An aspen, 5 ins. diam., bears S. 43° E., 12 lks. dist., marked T3S R7E S33 BT.

An aspen, 5 ins. diam., bears S. 71° W., 22 lks. dist., marked T3S R7E S32 BT.

An aspen, 5 ins. diam., bears N. 40° W., 7 lks. dist., marked T3S R7E S29 BT.

Subdivision of T. 3 S., R. 7 E.

Chains	
	Land, broken and mountainous with a general northeasterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering and dense sage, oak, and service-berry brush on portions of mile.
	Timber, scattering and dense aspen, balsam, and spruce on portions of mile.
	Exceedingly good grazing.
	East, on random line bet. secs. 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.20	Intersect the N. and S. line 9 lks. N. of the cor. of secs. 27, 28, 33 and 34.
	Thence,
	N. 89°56' W., on true line bet. secs. 28 and 33.
	Descend gradually over mountainous land through scattering timber and undergrowth.
8.80	Bottom of swale, 60 ft. below cor., drains N. 20° W.; ascend abrupt NE. slope.
12.90	Spur, 60 ft. above swale, projects N. 20° W.; aspen timber becomes dense, bears NW. and SE.; descend abruptly.
36.90	Aspen timber becomes scattering, bears N. and S.
40.10	On broken SW. slope, 360 ft. below spur.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S28/S33
	1925
	From which,
	An aspen, 4 ins. diam., bears S. 72° W., 134 lks. dist., marked ¼ S33 BT.
	An aspen, 5 ins. diam., bears N. 27°15' W., 88 lks. dist., marked ¼ S28 BT.
49.70	Stream of good water, 10 lks. wide, 4 ins. deep, drains NW. in bottom of draw, 240 ft. below the ¼ sec. cor.; ascend abrupt NE. slope.

Chains	
57.70	The N. point of spur, 40 ft. above stream; timber becomes scattering, bears N. and S.; descend gradual NW. slope.
61.80	The Little South Fork of the Provo River, stream of goo water, 20 links wide, 10 ins. deep, in bottom of canyon, 80 ft. below spur, drains N.; scattering will undergrowth in bottom of canyon; ascend abrupt E. slo
67.20	Trail, bears N. and S.
71.90	Trail, bears N. and S.
80.20	The cor. of secs. 28, 29, 32 and 33, 360 ft. above stre
	Land, mountainous with a general northeasterly exposure and drainage.
	Soil, shallow, black, rocky, loam; 3rd rate.
	Undergrowth, scattering sage, oak, and service-berry bru scattering willows in bottom of canyon.
	Timber, scattering aspen, spruce, and balsam on all of m scattering groves of dense aspen on portions of mile.
	Exceedingly good grazing.

	N. 0°09' E., bet. secs. 28 and 29.
	Descend gradually over broken NE. slope of mountainous land through scattering timber and undergrowth.
5.40	Draw, 80 ft. below cor., drains E.; ascend abrupt SE. slope.
7.80	Trail, bears NW. and SE.
8.40	Leave aspen timber, bears NW. and SE.
13.90	Enter scattering aspen timber, bears E. and W.
14.00	Spur, 140 ft. above draw, projects E.; descend gradual NE. slope of spur.
17.50	Head of draw, 30 ft. below spur, drains E.; aspen timber becomes dense, bears E. and W.; ascend abrupt SE. slope
32.30	Road, bears N. 65° E. and S. 65° W.
40.00	On SE. slope, 100 ft. above head of draw.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.

Chains	
	1/4 S29 | S28 1925
	From which,
	An aspen, 5 ins. diam., bears N. 42° E., 13 lks. dist., marked 1/4 S28 BT.
	An aspen, 6 ins. diam., bears N. 20° W., 21 lks. dist., marked 1/4 S29 BT.
43.00	Begin gradual ascent along E. slope through dense undergrowth, bears NE. and SW.
62.80	Trail, bears NE. and SW.
65.00	Ridge, 100 ft. above the 1/4 sec. cor., bears NE. and SW.; descend abrupt NW. slope of ridge.
77.10	On broken NW. slope, 200 ft. below top of ridge.
	Intersect the S. bdy. of sec. 21, East, 1.32 chs. dist. from the SW. cor. of section 21, which is hereinafter described.
	At point of intersection.
	Set an iron post 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 28 and 29, with brass cap marked.
	S21 S29 | S28 T3S | R7E C | C 1925
	From which,
	A balsam, 6 ins. diam., bears S. 21° E., 17 lks. dist., marked T3S R7E S28 CC BT.
	A balsam, 5 ins. diam., bears S. 55° W., 27 lks. dist., marked T3S R7E S29 CC BT.
	Land, broken and mountainous with a general easterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sage, oak, service-berry and choke-cherry brush.
	Timber, scattering and dense aspen, balsam, and spruce on portions of mile. Exceedingly good grazing.

Chains

From the sec. cor. secs. 21 and 22.

West, on random line along the S. bdy. of sec. 21.

38.93 Set temp. ¼ sec. cor. sec. 28 only.

40.00 Set temp. ¼ sec. cor. sec. 21 only.

80.47 Point, South, 41.44 chs. dist. from the ¼ sec. cor. sec 20 and 21, which is heretofore described.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for the SW. cor. of sec. 21 only, with brass cap marked.

T3S
R7E
S21
S29

1925

From which,

An aspen, 8 ins. diam., bears N.37° E., 17 lks. dist., marked T3S R7E S21 BT.

Thence,

East, on true line along the S. bdy. of sec. 21.

Ascend gradually over broken mountainous land through scattering timber, bears N. and S.

1.32 The closing cor. of secs. 28 and 29.

8.60 Ridge, 80 ft. above cor., bears N. 20° E. and S. 20° W.; descend gradually over rolling E. slope of ridge.

18.90 Road, bears N. and S.

25.50 Trail, bears NW. and SE.

28.70 Trail, bears N. and S.

30.20 Top of abrupt descent over SE. slope, bears NE. and SW.

40.235 On rolling SE. slope, 280 ft. below ridge.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor. sec. 21 only, with brass cap marked.

¼ S21

1925

From which,

An aspen, 5 ins. diam., bears N. 57° E., 36 lks. dist., marked ¼ S21 BT.

Subdivision of T. 3 S., R. 7 E.

Chains	
	An aspen, 7 ins. diam., bears N. 41° W., 124 lks. dist., marked ¼ S21 BT.
41.43	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 ¼ sec. cor., Sec. 28 with brass cap marked.
	¼ S28 1925
	From which,
	An aspen, 6 ins. diam., bears S. 37° E., 24 lks. dist., marked ¼ S28 BT.
	An aspen, 7 ins. diam., bears S. 38° E., 42 lks. dist., marked ¼ S28 BT.
44.00	Draw, 40 ft. below the ¼ sec. cor. sec. 21, drains S.; ascend gradual SW. slope.
59.30	Top of ascent, 170 ft. above draw, bears N. and S.; descend rolling SE. slope.
60.80	Quartzite rimrock, 30 ft. high, bears N. 20° E. and S. 20° W.
80.47	The cor. of secs. 21 and 22, 360 ft. below top of ascent.
	Land, broken and mountainous with a general southeasterly exposure and drainage.
	Soil, shallow, black, rocky, loam; 3rd rate.
	Undergrowth, scattering sage, oak, service-berry and choke-cherry brush.
	Timber, scattering aspen, balsam, and spruce.
	Exceedingly good grazing.
	From the ¼ sec. cor. secs. 20 and 21, which is heretofore described.
	South, along the W. bdy. of sec. 21.
	Ascend abruptly over broken N. slope of mountainous land through scattering pine timber and undergrowth.
8.80	Leave pine timber, bears E. and W.
19.20	Road, bears E. and W.

Chains

26.00 Top of ascent, 460 ft. above the ¼ sec. cor. bears E. a
W.; descend gentle SW. slope.

33.00 Road, bears NE. and SW. in bottom of draw, 20 ft. below
top of ascent, drains W.; ascend gentle NW. slope.

35.00 Trail, bears N. 20° E. and S. 20° W.

40.20 Point for the cor. of secs. 20 and 29, which is hereina
described.

41.44 The SW. cor. of sec. 21, which is heretofore described,

Land, broken and mountainous with a general northwester
exposure and drainage.

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, scattering sage, oak, and service-berry
brush.

Timber, scattering aspen, balsam, and spruce on portions
of mile.

Exceedingly good grazing.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy.
of the township, which is heretofore described.

N. 0°03' W., bet. secs. 31 and 32.

Descend gradually over broken mountainous land through
scattering timber and undergrowth.

8.50 Trail, bears NE. and SW.

29.30 Swale, 100 ft. below cor., drains N. 30° W.; thence
along rolling W. slope.

40.00 On rolling W. slope.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in th
ground, for ¼ sec. cor., with brass cap marked.

¼

S31 | S32

1925

From which,

An aspen, 6 ins. diam., bears S. 59° E., 46 lks.
dist., marked ¼ S32 BT.

An aspen, 5 ins. diam., bears N. 68°30' W., 29 lks.
dist., marked ¼ S31 BT.

Chains	
53.00	Top of abrupt descent over broken NW. slope, bears NW. and SE.
80.00	On NW. slope, 270 ft. below top of abrupt descent.
	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.

T3S S30	R7E S29
S31	S32

1925

From which,

An aspen, 4 ins. diam., bears N. 42° E., 35 lks. dist., marked T3S R7E S29 BT.

An aspen, 4 ins. diam., bears S. 41° E., 12 lks. dist., marked BT.

An aspen, 4 ins. diam., bears S. 20° W., 46 lks. dist., marked T3S R7E S31 BT.

An aspen, 3 ins. diam., bears N. 30° W., 30 lks. dist., marked BT.

Land, broken and mountainous with a general northwesterly exposure and drainage.

Soil, shallow, black, rocky loam; 3rd rate.

Undergrowth, scattering sagebrush.

Timber, scattering aspen, balsam, and spruce.

Exceedingly good grazing.

	East, on random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
79.86	Intersect the N. and S. line, 3 lks. S. of the cor. of secs. 28, 29, 32 and 33.
	Thence,
	S. 89°59' W., on true line bet. secs. 29 and 32.
	Ascend abrupt NE. slope of broken mountainous land through dense undergrowth and timber,
9.10	Small spring of good water, bears South, 10 lks. dist.

Chains	
10.50	Road, bears N. and S.
15.70	Spur, 260 ft. above cor., projects S. 60° E.; continue ascent over E. slope.
36.20	Ridge, 600 ft. above spur, bears N. 30° E. and S. 30° W descend abrupt W. slope of ridge. Trail, brs. with ri
39.93	On abrupt W. slope, 40 ft. below top of ridge.

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor., with brass cap marked.

$$\frac{1}{4}\ \frac{S29}{S32}$$

1925

From which,

An aspen, 5 ins. diam., bears S. 40°30' W., 16 lks. dist., marked ¼ S32 BT.

An aspen, 6 ins. diam., bears N. 6°30' W., 19 lks. dist., marked ¼ S29 BT.

52.40	Old road, bears N. and S.
53.70	Draw, 170 ft. below the ¼ sec. cor., drains N.; ascend gradual NE. slope .
59.30	Spur, 40 ft. above draw, projects N.; descend gradual NW. slope.
79.86	The cor. of secs. 29, 30, 31 and 32, 60 ft. below spur.

Land, broken and mountainous with a general northerly exposure and drainage.

Soil, shallow rocky, black loam; 3rd rate.

Undergrowth, dense sage, oak, service-berry, and choke-berry brush.

Timber, dense aspen, balsam, and spruce.

Exceedingly good grazing.

West, on random line bet. secs. 30 and 31.

40.00	Set temp. ¼ sec. cor.
88.89	Intersect the W. bdy. of the township, 8 lks. S. of the corner of sections, 30 and 31, which is heretofore described.

Thence:

Chains	
	S. 89°57' E., on true line bet. secs. 30 and 31.
	Ascend gradually over broken mountainous land through dense timber and undergrowth.
8.60	Top of ascent, 190 ft. above cor., bears N. 20° E. and S. 20° W.; descend abrupt E. slope.
23.60	Bench Creek, stream of good water, 6 lks. wide, 4 ins. deep, in canyon, 320 ft. below top of ascent, drains N.; ascend abrupt W. slope.
27.90	Trail, bears N. and S.
48.89	On abrupt W. slope, 400 ft. above stream.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for ¼ sec. cor., with brass cap marked.
	¼ S30 / S31 / 1925
	From which,
	An aspen, 8 ins. diam., bears N. 38°45' E., 13 lks. dist., marked ¼ S30 BT.
	An aspen, 5 ins. diam., bears S. 18° W., 25 lks. dist., marked ¼ S31 BT.
53.90	The S. point of rocky spur, 60 ft. above the ¼ sec. cor., descend abrupt E. slope.
57.50	Bottom of swale, 80 ft. below point of spur, drains S.; ascend gradual W. slope of spur.
63.30	Spur, 40 ft. above swale, projects N. 20° W.; descend gradual E. slope of spur.
68.60	Bottom of swale, 40 ft. below spur, drains N.; ascend gradual W. slope of spur.
72.50	Spur, 50 ft. above swale, projects N.; descend abrupt E. slope of spur.
80.20	Small stream of good water, 5 lks. wide, 3 ins. deep, in bottom of canyon, 200 ft. below spur, drains N.; ascend abrupt W. slope.
88.89	The cor. of secs. 29, 30, 31 and 32, 260 ft. above stream.
	Land, broken and mountainous with a general easterly and westerly exposure and northerly drainage.

Chains

Soil, shallow, rocky, black loam; 3rd rate.

Undergrowth, dense oak, sage, and service-berry brush.

Timber, dense aspen, balsam, and spruce.

Exceedingly good grazing.

N. 0°09' E., bet. secs. 29 and 30.

Descend abruptly over broken mountainous land through scattering timber and undergrowth.

31.00 Ravine, 30 ft. deep, drains. NW.; continue descent.

32.65 Trail, bears N. 60° W. and S. 60° E.

40.00 On broken NW. slope, 520 ft. below the sec. cor.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in t ground to bedrock and in a large mound of stone, for ¼ sec. cor., with brass cap marked.

¼

S30 | S29

1925

From which,

An aspen, 6 ins. diam., bears N. 73° E., 30 lks. dist., marked ¼ S29 BT.

An aspen, 6 ins. diam., bears S. 53°30' W., 19 lks. dist., marked ¼ S30 BT.

42.90 Stream of good water, 6 lks. wide, 3 ins. deep, in bottom of draw, 30 ft. below the ¼ sec. cor., drains NW.; continue gradual descent over rolling W. slope.

78.15 On rolling W. slope, 80 ft. below stream; intersect the S. bdy. of sec. 20, East, 2.34 chs. dist. from the cor. of secs. 19 and 20, which is heretofore described

At point of intersection.

Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for closing cor. of secs. 29 and 30, with brass cap marked.

S20

S30 | S29
T3S | R7E
C | C

1925

Chains	
	From which,
	An aspen, 6 ins. diam., bears S. 47°15' E., 193 lks. dist., marked T3S R7E S29 CC BT.
	An aspen, 5 ins. diam., bears S. 76°15' W., 194 lks. dist., marked T3S R7E S30 CC BT.
	Land, broken and rolling mountains with a general northwesterly exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush.
	Timber, scattering aspen, balsam, and spruce.
	Exceedingly good grazing.
	From the cor. of secs. 19 and 20.
	East, on random line along the S. bdy. of sec. 20.
40.00	Set temp. ¼ sec. cor. for sec. 20 only.
42.34	Set temp. ¼ sec. cor. for sec. 29 only.
80.85	Intersect the W. bdy. of sec. 21, North, 1.24 chs. dist. from the SW. cor. of sec. 21.
	At point of intersection.
	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 20 and 29 only, with brass cap marked.

T3S
S20 | S21
S29
R7E

1925

	From which,
	An aspen, 8 ins. diam., bears N. 3° W., 42 lks. dist., marked T3S R7E S20 BT.
	No other suitable bearing trees available.
	Thence,
	West, on true line along the S. bdy. of sec. 20.
	Descend gradually over broken NW. slope of mountainous land through scattering timber and undergrowth.
20.90	Small spring of good water, bears South, 50 lks. dist.

Chains	
21.30	Bottom of swale, 120 ft. below cor., drains N.; ascend gradual NE. slope.
33.00	Top of ascent, 100 ft. above swale, bears N. and S.; descend gradually over broken NW. slope.
38.595	On broken N. slope, 40 ft. below top of ascent.
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor. sec. 29 only, with brass cap marked.
	¼ S29
	1925
	From which,
	An aspen, 4 ins. diam., bears S. 59° E., 15 lks. dist., marked ¼ S29 BT.
	An aspen, 4 ins. diam., bears S. 45° W., 12 lks. dist., marked ¼ S29 BT.
40.425	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in t ground, for ¼ sec. cor. sec. 20 only, with brass cap marked.
	¼ S20
	1925
	From which,
	An aspen, 5 ins. diam., bears N. 42° E., 15 lks. dist., marked ¼ S20 BT.
	An aspen, 5 ins. diam., bears N. 38° W., 16 lks. dist., marked ¼ S20 BT.
51.10	Leave aspen timber, bears N. and S.
72.60	Enter scattering aspen timber, bears NW. and SE.
78.51	The closing cor. of secs. 29 and 30.
80.85	The cor. of secs. 19 and 20, 590 ft. below the ¼ sec. cor. sec. 29.
	Land, broken and mountainous with a general northwesterl exposure and drainage.
	Soil, shallow, rocky, black loam; 3rd rate.
	Undergrowth, scattering sagebrush. Timber, scattering aspen and balsam on portion of mile. Exceedingly good grazing.

Latitudes, Departures, And Closing Errors, T. 3 S. R. 7 E.

Lines designated		True bearings	Distances Chs.	Latitudes Chs. N.	Latitudes Chs. S	Departures. Chs. E.	Departures. Chs. W.
W. Bdy.	T3S R7E	S3°06'W	35.61		35.56		1.93
		S4°06'W	39.57		39.47		2.83
		S4°47'W	40.29		40.15		3.36
		S4°10'W	41.00		40.89		2.98
		South	3.93		3.93		
S. Bdy.	T3S R7E	East	494.99			494.99	
E. Bdy.	T3S R7E	North	484.32	484.32			
N. Bdy.	T3S R7E	West	80.00				80.00
		N89°42'W	40.24	.21			40.24
		N89°52'W	40.12	.09			40.12
W.Bdy.	Sec. 2	S.0°21'E	43.93		43.93	.27	
		S.0°10'W	40.31		40.31		.12
W. Bdy.	Sec. 11	S.0°02'W	40.80		40.80		.02
		S.0°09'E	40.99		40.99	.11	
W. Bdy.	Sec. 14	S.0°07'W	80.66		80.66		.16
N. Bdy.	Sec. 22	N.89°56'W	40.09	.05			40.09
		N.89°45'W	40.19	.18			40.19
N. Bdy.	Sec. 21	N.89°55'W	40.28	.06			40.28
		S.89°54'W	40.33		.07		40.33
N. Bdy.	Sec. 20	N.89°16'W	40.68	.52			40.68
		S.89°55'W	40.30		.06		40.30
W. Bdy.	Sec. 20	S. 0°12'E	40.03		40.03	.14	
		S. 0°15'E	40.29		40.29	.18	
N. Bdy.	Sec. 30	N.88°49'W	81.60	1.69			81.58
Convergency		West					.40
				487.12	487.14	495.69	495.61
					487.12	495.61	
Errors in Latitudes and Departures.- - - -					0.02	0.08	

General Description T. 3 S. R. 7 E.

The lands embraced in this fractional township consist mostly of high rolling and broken mountains, ranging from 7500 ft. to 8500 ft. above sea level. The south portion of the township slopes to the north, the canyons and ravines draining into the South Fork of the Provo River, while the drainage of sections 1, 2, 11, 12, 13 and 14 is in a westerly and southwesterly direction. The main drainage is formed by the North Fork of the Provo River which drains in a southwesterly direction through the northeast quarter of the township, and the South Fork of the Provo River which drains in a northwesterly direction through the southeast quarter of the township, the two forks joining in Section 21, forming the Provo River which flows in a westerly direction.

General Description, T. 3 S. R. 7 E.

The soil of this fractional township is a deep, rich, black, rocky loam, and may be classed from 2nd to 4th rates. The soil is covered with an abundant growth of brush and grasses affording excellent gras This fractional township is mostly covered with a medium growth of aspen, scattering balsam and spruce ranging in size from 2 inches diameter to 20 inches diameter. On the sheltered or north slopes dense growths of large balsam and spruce are found.

The township is well watered by the Provo River and tributaries as follows:

The North Fork of the Provo River, a stream of Clear water about 150 lks. wide, 2 ft. deep, enters the township in Sec. 1, and drains in a westerly direction through section 1, to the center of Sectio 2, thence in a southerly direction, joining the Soutl Fork of the Provo River in Section 21.

The south Fork of the Provo River, a stream of clear water about 40 lks. wide, 1½ ft. deep, enters the township in Sec. 36 and drains in a northwesterly direction through sections 36,25,24,14,15, 22 and 21, joining the North Fork of the Provo River, forming th Provo River which flows in a westerly direction. Willow Creek, a tributary of the South Fork of the Provo River, heading in Section 34, is a stream of clear water about 15 lks. wide, 6 ins. deep, and drai in a northerly direction through sections 34, 35, 26 and 23.

Little South Fork of the Provo River, a stream of clear water about 30 lks. wide, 6 ins. deep, enters tl township in Section 32 and flows in a northeasterly direction through Sections 32, 33, 28, 27, 22 and 21. Bench Creek, a tributary of the Provo River, enters,

the township in section 31, and drains in a northerly direction through sections 31, 30, and 19.

The slopes of the land of this fractional township are too steep and broken for cultivation, but are well adapted and are extensively used for grazing of sheep and cattle during the summer months, the soil being covered with an abundant growth of rich grasses and brush. Numerous good trails have been constructed throughout this fractional township, making all parts available for sheep and cattle.

No indications of mineral, oil, oil shale, or coal were noted during the execution of the survey.

No settlers are located on this fractional township.

The mean magnetic declination was found to be 16° E.

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Page

BOOK A-476

4—680

FIELD ASSISTANTS.

NAMES.	CAPACITY.
Sidney R. Reese	Chainman
Sherman Christensen	Chainman
William Bickley	Cornerman
Edgel Blackham	Flagman

6—2764

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Ralph Gentry, U.S. Cadastral Engineer, ~~U.S. Surveyor~~, hereby certify upon honor that, in p
of special instructions received from the U. S. Surveyor General for Utah
bearing date of the 14th day of July, 1923, I have well, faithfully, a
in my own proper person, 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 resurvey
portion of the north and west boundaries and portion of the
subdivision and the survey of the east and south bouhdaries and
portion of the subdivision of T. 3 S., R. 7 E.,

of the Salt Lake
and Meridian, in the State of Utah, which are represe
the foregoing field notes as having been executed by me, and under my direction, on dates shown on date diagra
said survey have been established and perpetuated in strict accordance with the Manual of Surveying
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
such survey.

Salt Lake City, Utah, May 22, 1926.

Ralph Gentry
U.S. Cadastral Engineer

APPROVAL.

OFFICE OF THE UNITED STATES ~~SURVEYOR GENERAL~~ Supervisor of Surve

Denver, Colorado. June 10

The foregoing field notes of the ~~survey of~~ resurvey of portion of north and west boundaries and portion of subdivision and the survey of the east and south boundaries and portion of the subdivisions of T. 3 S., R. 7 E., Salt Lake Base and Meridian,

executed by Ralph Gentry, U. S. Cadastral Engineer,

under his special instructions dated July 14, 19 23 havin
critically examined, and the necessary corrections and explanations made, the said field notes, and the s
they describe, are hereby approved.

U. S. Supervisor of Surveys ~~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 o~~

~~U. S. Surveyor~~

9—2764

BOOK A-476 8

RECEIVED
Dept. of Cadastral Engineer,
Salt Lake City, Utah

FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT OF THE [illegible] STATE [illegible]

LINE BETWEEN [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

In the State of [illegible]

[illegible]

[illegible]

[illegible]

In the capacity of U.S. Surveyor [illegible] September [illegible] 192[illegible]

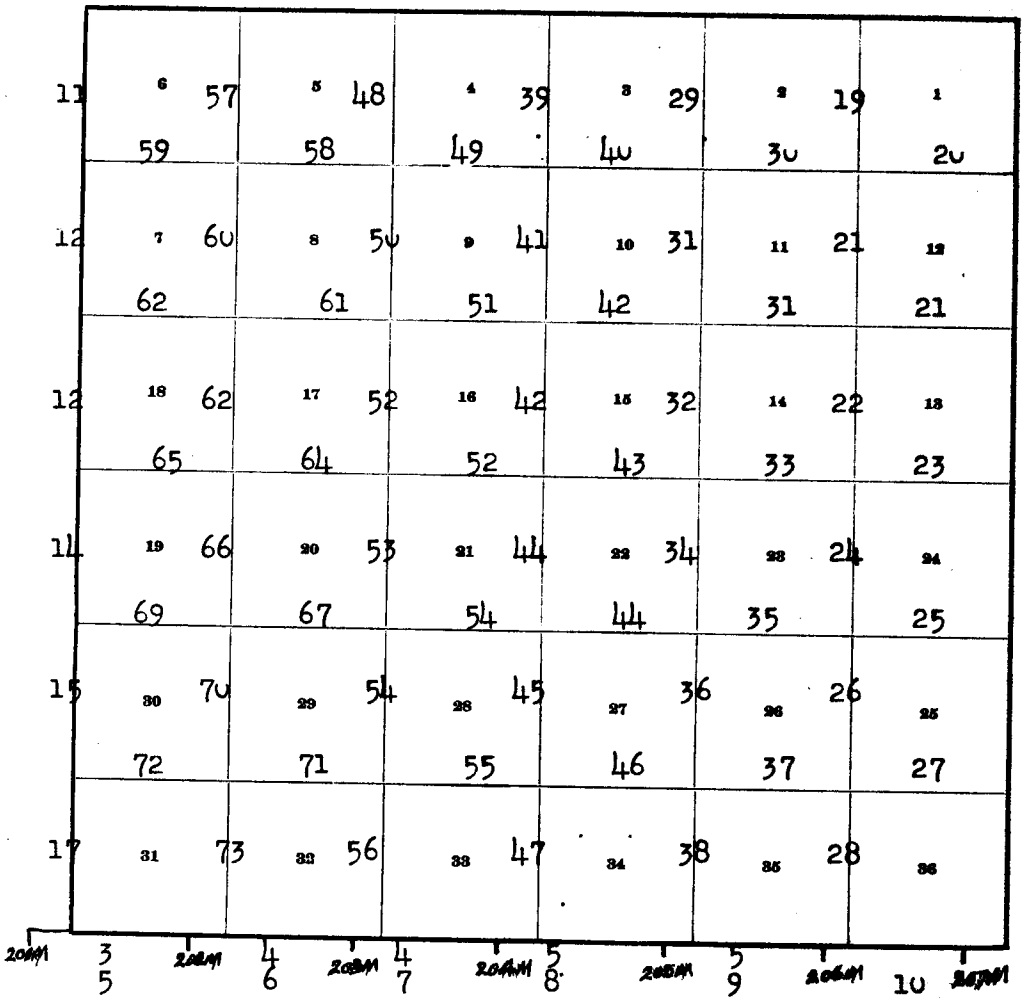
issued by the United States Surveyor General to govern surveys included in Group No. 15[illegible] which were approved by the Commissioner of the General Land Office, October 2[illegible], 1923 and Assignment Instructions dated May 7, 1924, September 27, 1924 and October [illegible], 1924.

Survey commenced	May 23, 1924	
Survey completed	November 12, 1924	

BOOK A-476

INDEX DIAGRAM.

Township 43 South, *Range* 14 East.

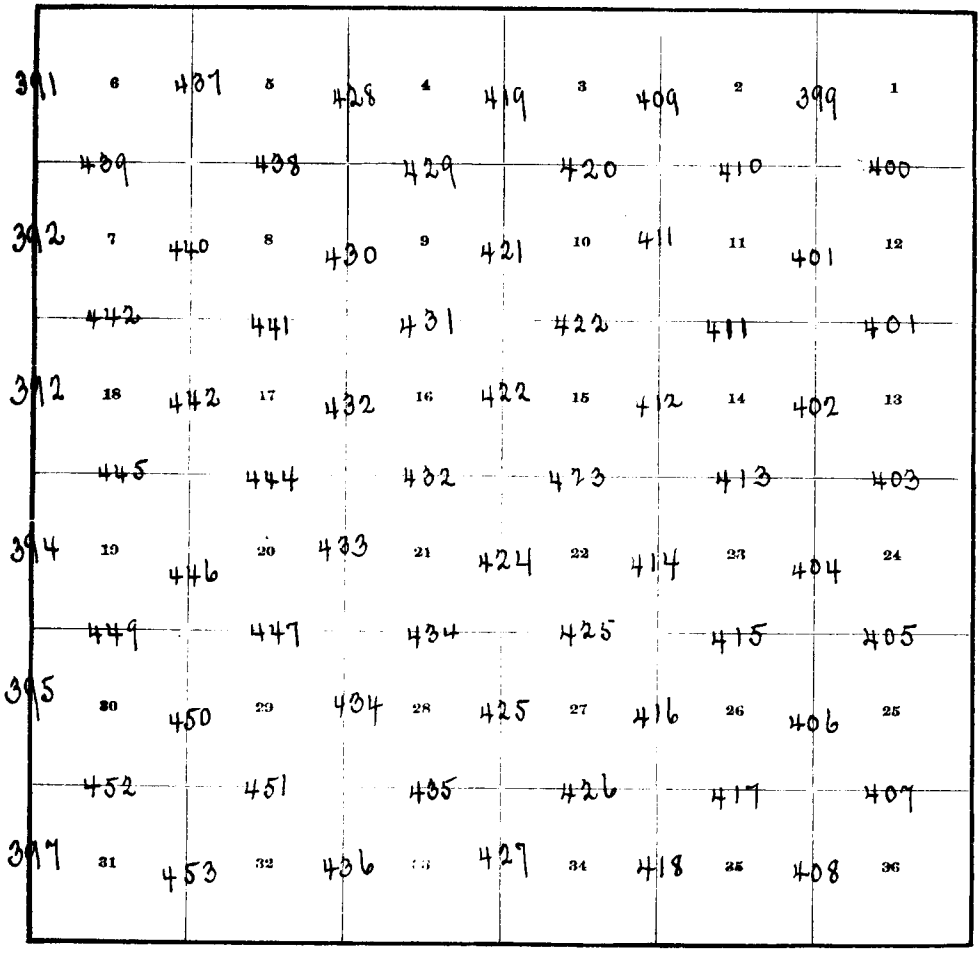


BOOK A-476

4—679 b

INDEX DIAGRAM.

Township 43 S., *Range* 14 E.



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Utah - Arizona Bdy. pages 383-390.

DATE DIAGRM
OF
T. 43 S., R. 14 E.

10-27/24	6 10-20/24 10-20/24	5 10-20/24 10-16/24	4 10-16/24 5-24/24	3 5-24/24 5-24/24	2 5-23/24 5-23/24	1 5-23/24
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10-28/24	18 10-28/24 10-29/24	17 10-29/24 10-21/24	16 10-21/24 10-17/24	15 10-17/24 10-14/24	14 10-14/24 5-24/24	13 5-24/24
10-30/24	19 10-30/24 10-30/24	20 10-30/24 10-21/24	21 10-22/24 10-17/24	22 10-17/24 10-15/24	23 10-23/24 5-24/24	24 5-24/24
10-30/24 11/7/24	30 10-31/24 10-31/24	29 10-31/24 10-21/24 10-22/24	28 10-22/24 10-22/24	27 10-22/24 10-18/24	26 10-18/24 10-18/24	25 10-18/24
11/12/24	31 11-12-24 11-2/24 11-3/24	32 11-2/24 11-1/24	33 10-24/24 10-24/24	34 10-24/24 10-18/24	35 10-23/24 10-23/24	36 10-23/24
	201M	202M	203M	204M	205M	206M 207M

Lines indicated in red were surveyed by Chas F. Moore,

U. S. Surveyor

Lines indicated in black were surveyed by Willis W. Bandy,

U. S. Surveyor

T. 43 S., R. 14 E.

INSTRUMENTAL EQUIPMENT

Survey commenced May 23, 1924 and executed with Buff and Buff solar transit No. 9220 used by Chas. F. Moore, U. S. Surveyor and Young and Sons solar transit No. 8544 used by Willis W. Bandy, U. S. Surveyor. For complete description of instruments see survey of T. 4 S., R. 14 E., this group.

The instruments were approved for use in this survey by the Assistant Supervisor of Surveys for Utah, conditio al upon satisfactory field tests, the record of which appears in the field notes of the survey of T. 42 S., R. 14 E. and T. 43 S., R. 13 E., groups 152 and 153 respectively.

MEASUREMENTS

Unless otherwise specified all measurements are made with Lallie steel ribbon tapes 5 chs. 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 east and north boundary have been previously surveyed under groups 151 and 152 respectively, the record of which appears in the field notes of the survey of T. 43 S., R. 15 E. and T. 42 S., R. 14 E.

The Utah-Arizona State Boundary Line between the 201st. and 207th. mile corners constitutes the south boundary of this township and has been previously surveyed. A

retracement of this line between the 201st. and 207th. mile cors. appears in these notes and the resurvey of the 207th. mile is recorded in the field notes of the survey of T.43 S.,R.15 E., group 151.

The west boundary is run south on true line from the cor. of Tps. 42 and 43 S., Rs. 13 and 14 E. to an intersection with the Utah-Arizona State Boundary where a closing cor. for T. 43 S., Rs. 13 and 14 E. is established; fractional distance being placed in the south half mile.

The township is subdivided from N. to S. and from E. to W. and closing cors. are established at the intersection with the State Boundary. Quarter-section cors. established mid-way bet. the closing cors., except on the S. bdy. of sec. 31 where it is established 40.00 chs. westing from the closing cor. of secs. 31 and 32.

RETRACEMENT OF THE UTAH-ARIZONA STATE BOUNDARY LINE.

Random lines.

I begin at the 201st. mile cor. on the Utah-Arizona State Boundary hereinafter described.

Thence

East, on the 202nd. mile.

The line East crosses high, impassable cliffs over which I cannot chain and it is impracticable to triangulate, therefore, I offset as follows:

West, 8.55 chs., then

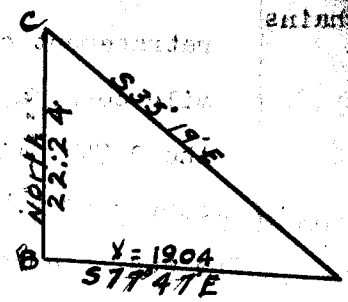
North, 26.59 chs., then east on offset line 61.80 chs.,

Then south, 22.24 chs. to a point 53.25 chs. E. and 4.35 chs. N. of the 201st. mile cor. I am unable to reach true line at this point and the line to the east crosses a chasm about 700 ft. deep, I therefore make

Retracement of the Utah-Arizona State Boundary Line.

Chains

the following triangulation:



Set flag "A", S.77°47'E. on E. side of chasm and designate this point "B". Measure base line "BC", north, 22.24 chs, distant and from point "C" find that the line "CA", bears S.35°19'E. All bearing taken by direct reading of the solar and angles check by deflection.

Distance of line "BA" by triangulation = 19.04 chs. or an easting of 18.61 chs. and southing of 4.03 chs.

53.25 chs. + 18.61 chs. = 71.86 chs. distance flag "A" is east of the 201 st. mile cor.

4.35 chs. — 4.03 chs. = .32 chs. the distance flag "A" N. of true line.

I now offset S. 32 lks. from flag "A" to true line, Thence I continue east to

78.66 Fall 32 lks. S. of the 202nd. mile cor. hereinafter described.

The bearing of this mile therefore is N.89°46'E., and the distance is 78.66 chs.

From the 202nd. mile cor.,

East, on the 203rd. mile.

80.10 Fall 23 lks. S. of the 203rd. mile cor. hereinafter described.

The bearing of this mile therefore is N.89°50'E., and the distance is 80.10 chs.

From the 203rd. mile cor.,

East, on the 204th. mile.

79.51 Fall 5 lks. S. of the 204th. mile cor. hereinafter described.

The bearing of this mile therefore is N.89°58'E., and the distance is 79.51 chs.

Retracement of the Utah-Arizona State Boundary Line.

Chains	
	From the 204th. mile cor.
	East, on the 205th. mile.
78.47	Fall 21 lks. S. of the 205th. mile cor. hereinafter described.
	The bearing of this mile therefore is N.89°51'E., and the distance is 78.47 chs.
	From the 205th. mile cor.
	East, on the 206th. mile.
82.14	Fall 35 lks. S. of the witness cor. to the 206th. mile cor. described in the field notes of the survey of T.43 S.,R.15 E., Group 151, Utah.
	The bearing of this mile therefore is N.89°45'E., and the distance is 82.14 chs.

TRUE LINES

The 201st. mile cor. on the Utah-Arizona Boundary Line is a red sandstone,24x15x8 ins., firmly set in a large mound of stone, marked UTAH on N., ARIZ on S., 201M on W and 37 NL on NE. face, and witnessed by a mound of stone, 3 ft. base, 2 ft. high, E.of cor.

This cor. stands at foot of steep talus slope of high ledge wall to the east.

From this cor. the closing cor. of T.43 S.,Rs. 13 and 14 E., hereinafter described,bears N.89°46'E., 14.45 chs. distant.

Being unable to proceed east by direct measurement or by triangulation on account of ledges, I offset from the 201st. mile cor. as follows:

S.89°46'W., 8.55 chs., then

North, 26.59 chs., then on offset line

N.89°46'E., 61.80 chs., then

South, 22.24 chs. to point of triangulation on random line.

Continue south to point at 24.93 chs., from which point the point for the ¼ sec. cor. S. bdy. sec. 31,T.43 S., R.14 E., which is 40.00 chs. westing from the closing

Retracement of the Utah-Arizona State Boundary Line.

Chains

cor. of secs. 31 and 32, bears 1.66 chs. S. and .32 ch
N.89°46'E. Being unable to reach true cor. point on ac
of inaccessible ledges, I establish a witness cor. to
¼ sec. cor. at this point as follows:

Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. in
the ground to solid rock, alongside a sandstone boulde
3½x3x1 ft., marked with a cross (X) at surface of grou
and surrounded by a large mound of stone for witness c
to the ¼ sec. cor., S. bdy. sec. 31, with brass cap ma

WC¼ S31
1924

Other accessories at cor. impracticable.

Cor. stands on N. slope at base of a vertical sandstone
ledge, 350 ft.high, bears NW. and SE.

Thence by triangulation, S.77°47'E., across chasm 700 f
deep, course N., from point at 22.24 chs. on N. and S.
offset line.

71.86 E. point of triangulation on E. rim of chasm, bears N.
and S.; offset

South, 32.1ks. to true line at

71.86 Thence N.89°46'E.on true line; ascend 150 ft. to

78.66 The 202nd. mile cor. which is a sandstone, broken in two
pieces, size of stone, 24x12x6 ins. Dim marks are on st
but are illegible. Reconstruct cor. as follows:

Mark a cross (X) on surface rock, over which

Set an iron post, 3 ft. long, 3 ins. in dia., in a large
mound of stone and stand pieces of orig. cor. alongside
for 202nd. mile cor., with brass cap marked

U
202M
A
1924

Other accessories at cor. impracticable.

Land, mountainous; general NW. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. and 4th. rates.

No. timber. Undergrowth, black brush.

N.89°50'E., on the 203rd. mile.

Over broken mesa through scrub timber and short undergrow

14.91 The closing cor. of secs. 31 and 32, T.43 S.,R.14 E.

Retracement of the Utah-Arizona State Boundary Line.

Chains	
	Subsequently established at this point.
54.86	Point midway bet. the closing cor. of secs. 31 and 32 and the closing cor. of secs. 32 and 33, T.43 S.,R.14 E. Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., S. bdy. sec. 32, with brass cap marked
	¼S32 / 1924
	from which
	A sandstone boulder, marked X BO S32, bears North, 7 lks. distant.
	No suitable bearing trees available and other accessories are impracticable.
	Cor. stands in head of small canyon, drains N.
80.10	The 203rd. mile cor. which is a sandstone, 20x12x6 ins., above ground, firmly set, marked UTAH on N., ARIZ on S., 203M on W. and 37NL on NE face, and witnessed by a mound of stone, 3 ft. base, 2 ft. high, E. of cor.
	Land, broken mesa; NW. exposure and drainage.
	Soil, sandy and rocky of sandstone formation; 3rd. rate.
	Timber, scrub cedar and pinon.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	N.89°58'E., on the 204th. mile.
	Over broken mesa through scrub timber and short undergrowth.
14.71	The closing cor. of secs. 32 and 33, T.43 S.,R.14 E. subsequently established at this point.
40.50	Top of high ledge and brink of mesa, bears N. and S.; descend precipitous slopes 800 ft to
54.785	Point midway bet. the closing cor. of secs. 32 and 33 and the closing cor. of secs. 33 and 34, T.43 S.,R.14 E. Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in

Chains

the ground for ¼ sec. cor. S. bdy. sec. 33, with brass cap marked

¼S33

1924

Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of co

No suitable bearing trees available.

Continue descent of 200 ft. to 204th. mile cor.

71.60 Wash, 30 lks. wide, 4 ft. deep, drains NE.

78.90 Wash, 30 lks. wide, 4 ft. deep, drains NE.

79.51 The 204th. mile cor. which is a sandstone, 14x14x6 ins. above ground, firmly set, marked UTAH on N., ARIZ on S., 204M on W. and 37NL on NE. face and witnessed by a mound of stone 2 ft. base, 1½ ft. high, E. of cor.

Land, broken mesa and precipitous talus slopes; general N. exposure and drainage.

Soil, sandy and rocky of sandstone formation 4th. rate.

Timber, scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing on mesa.

N.89°51'E., on the 205th. mile.

Ascend over mountainous land through scattering scrub timber and short undergrowth.

15.35 The closing cor. of secs. 33 and 34, T.43 S., R.14 E. subsequently established at this point.

35.90 Ridge, 300 ft. above 204 mile cor., bears N. and S.; descend abruptly 500 ft. to

44.60 ase of ridge and enter rolling land, bears N. and S.

55.245 Point midway bet. the closing cor. of secs. 33 and 34 and the closing cor. of secs. 34 and 35, T.43 S., R.14 E

Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor. S. bdy. sec. 34, with brass cap marked

¼S34

1924

Chains

Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.

78.47 The 205th. mile cor. which is a sandstone, 16x16x5 ins. above ground, firmly set, marked UTAH on N., ARIZ on S., 205M on W. and 37NL on NE. face, and witnessed by a mound of stone, 2 ft.base, 1½ ft.high, E.of cor.

Land, mountainous and rolling bench; general NW. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. rate.

Timber, scattering scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

N.89°45'E., on the 206th. mile.

Over rolling bench land through short undergrowth.

16.67 The closing cor. of secs. 34 and 35, T.43 S., R.14 E., subsequently established at this point.

46.18 West brink of Moonlight Wash, bears NE. and SW.; descend.

56.755 Point midway bet. the closing cor. of secs. 34 and 35 and the closing cor. of secs. 35 and 36, T.43 S.,R.14 E. Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor. S. bdy. sec. 35, with brass cap marked

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

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

61.35 Center of Moonlight Wash, about 5 chs. wide and with sloping banks, drains NE.; ascend.

80.14 The true point for the 206th. mile cor. on break of Moonlight Wash. Witness cor. established 2.00 chs. N.89°45'E.

Land, rolling and broken bench; general N. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Chains	
	Fair grazing.
	N.89°45'E., on the 207th. mile.
	Ascend over break of Moonlight Wash.
.50	Top of rim and break of wash, bears NE. and SW.; thence over broken mesa through very scattering timber and short undergrowth.
2.00	The witness cor. to the 206th. mile cor. which is a sandstone, marked and witnessed as described in the field notes of the survey of T.43 S.,R.15 E.
	Thence
	S.89°54'E., with continuous measurement.
16.70	The closing cor. of secs. 35 and 36, T.43 S.,R.14 E. subsequently established at this point.
19.60	Draw, drains SW.
33.75	W. rim of canyon, bears NE. and SW.; descend.
39.75	Bottom of canyon, 75 ft. deep, drains SW.; ascend.
43.50	E. rim of canyon, bears NE. and SW.
56.875	Point midway bet. the closing cor. of secs. 35 and 36. and the closing cor. of T.43 S.,Rs. 14 and 15 E. Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor. S. bdy. sec. 36, with brass cap marked

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

from which

A cedar, 8 ins.diam.,bears N.15°E., 12 lks. dist.,marked ¼ S 36 B T

79.30	Draw, drains NW.
79.82	The 207th. mile cor. as reestablished under Group 151 Utah and described in the field notes of the survey of T.43 S.,R.15 E.
	Land, rolling and broken mesa; general N. exposure and drainage.

Chains

Soil, sandy and sandstone rock; 3rd. rate.

Timber, a few scattering scrub cedar.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

WEST BOUNDARY OF T.43 S., R.14 E.

I begin at the cor. of Tps. 42 and 43 S., Rs. 13 and 14 E. which is an iron post, 3 ins. in dia., established under this group and described in the field notes of the survey of T.42 S.,R.14 E.

Thence

South, bet. secs. 1 and 6.

The line to the south crosses inaccessible sandstone buttes and outcroppings, the top of which bears S. about 15 chs. distant. To pass these outcroppings I offset as follows:

North, 11.55 chs., then

West, 30.00 chs.,then

South, 51.55 chs., then

East, 30.00 chs. to true line, on which,at

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 20 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

¼

S1 | S6

1924

from which

A sandstone boulder, 12x6x4 ft., marked X BO S 6 bears S.5°E., 60 lks. dist.

Other accessories impracticable.

Cor. stands on SW. slope of sandstone outcroppings.

80.00 Set an iron post, 3ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 24 ins. in a mound of stone for cor. of secs. 1,6,7 and 12, with brass cap marked

West Boundary of T.43 S.,R.14 E.

Chains

T43S
R13E | R14E
S1 | S6
S12 | S7
1924

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

Land, broken mesa; general W. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. rate.

No timber.

Undergrowth, black brush and mountain rush.

Poor grazing.

South, bet. secs. 7 and 12.

Over broken bench land through short undergrowth.

12.60 Draw, drains NW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 10 ins. i the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼
S12 | S7
1924

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

50.10 West edge of base of sandstone butte.

80.00 Point for cor. of secs. 7,12,13 and 18 falls in wash i draw and it is impracticable to establish cor. at thi point. Witness cor. established 32 lks. S.

Land, broken bench; general W. exposure and drainage.

Soil, sandy and rocky of sandstone formation; 3rd. rate

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

South, bet. secs. 13 and 18.

Over broken bench land through short undergrowth.

.32 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. i the ground on solid rock and 16 ins. in a mound of stone for witness cor. to the cor. of secs. 7,12,13 and 18, with brass cap marked

West Boundary of T.43 S.,R.14 E.

WC
T43S
R13E | R14E
S12 | S7
S13 | S18
1924

from which

Face of sandstone ledge, marked X BO S13, bears S. 45°W., 3 lks. distant.

Other accessories impracticable.

33.60 Draw, drains NW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 16 ins. in the ground to solid rock and 12 ins. in a mound of stone for ¼ sec. cor.,with brass cap marked

¼
S13 | S18
1924

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

70.45 Point for the cor. of secs. 13,18,19 and 24 will fall on inaccessible breaks of mesa where cor. cannot be set, therefore, at this point,

Set an iron post, 3 ft. long, 2 ins. in dia., 20 ins. in the ground to solid rock and 10 ins. in a mound of stone for witness cor. to the cor. of secs. 13,18,19 and 24, with brass cap marked

T43S
R13E | R14E
S13 | S18
S24 | S19
WC
1924

from which

Sandstone boulder, 6x6x5 ft., marked X BO S18, bears N.8½°E., 8 lks. distant.

Sandstone boulder, 10x10x8 ft., marked X BO S13 bears S.52½°W., 64 lks. distant.

Other accessories impracticable.

80.00 Point for cor. of secs. 13,18,19 and 24 falls on inaccessible ground and breaks of mesa. No. cor. set.

Land, broken bench; general W. exposure and drainage.

Soil, sandy and rocky of sandstone formation; 3rd. rate.

West Boundary of T.43 S., R.14 E.

Chains

No timber.

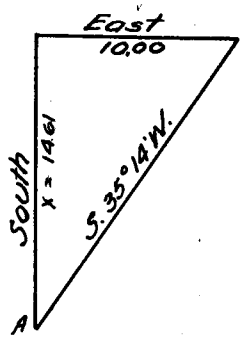
Undergrowth, black brush and mountain rush.

Poor grazing.

South, bet. secs. 19 and 24.

Being unable to proceed from the true point for cor. of secs. 13,18,19 and 24 on account of inaccessible ledge I begin at the witness cor. to the cor. of secs. 13,18, 19 and 24, which is 9.55 chs. N. of the true cor. point and make the following triangulation south:

From the WC to cor. of secs. 13,18,19 and 24 set flag "A" on line S., then measure a base line East, 10.00 chs. to point whence flag "A" bears S.35°14'W. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation = 14.16 chs.

14.16 chs. – 9.55 chs. =

4.61 To point of triangulation on line bet. secs. 19 and 24, also top of mesa and ledges, 1230 ft. above W.C. to cor. of secs. 13, 18,19 and 24.

Thence over mesa through short, scrub timber and undergrowth.

18.80 Wash, 10 lks. wide, 4 ft. deep, drains NW.

23.80 Wash, 10 lks. wide, 4 ft. deep, drains W.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

¼

S24 | S19

19 24

from which

Face of sandstone boulder, 10x8x8 ft., bears East, 2 lks. distant, mkd. X BC S19

Chains

Other accessories impracticable.

40.10 Wash, 10 lks. wide, 3 ft. deep, drains W.

74.76 Point for cor. of secs. 19,24,25 and 30 will fall on inaccessible ledges and breaks of canyon where cor. cannot be set, therefore, at this point,

On surface rock, mark a cross (X) and over same,

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

T43S
R13E | R14E
S24 | S19
S25 | S30
WC
1924

from which

A pinon, 8 ins.diam.,bears N.10°E., 18 lks. dist.,marked W C T 43 S R 14 E S 19 B T

Face of sandstone ledge, marked X BO S24, bears N.62°W., 37 lks. distant.

Cor. stands on break of canyon about 700 ft. deep, bears NW. and SE.

80.00 Point for cor. of secs. 19,24,25 and 30 falls on inaccessible ledges and cor. cannot be set.

Land, broken mesa and rough breaks; general W. exposure and drainage.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scattering, short scrub cedar and pinon.

Undergrowth, black brush and mountain rush.

Poor grazing.

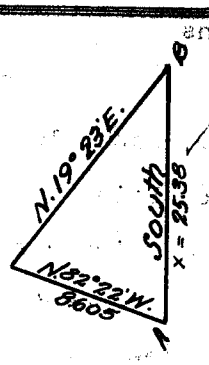
South, bet. secs. 25 and 30.

The line S. from the true point for cor. of secs. 19,24, 25 and 30 crosses deep, box canyon and cannot be chained, I therefore begin at the witness cor. to the cor. of secs. 19 ,24,25 and 30 which is 5.24 chs. N. of the true cor. point and make a triangulation south as follows:

West Boundary of T.43 S.,R.14 E.

Chains

Set flag "A" on line S., and erect flag "B" at this point. Then from flag "A" measure a base line N.82°22'W., 8.605 chs. distant to a point whence flag "B" bears N.19°23'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance by triangulation line "AB" = 25.38 chs.

25.38 chs. − 5.24 chs. =

20.14 To point of triangulation on S. rim of canyon, bears NW. and SE.; thence over mesa through scrub timber and short undergrowth.

36.75 Brink of mesa and top of high ledges, bears NW. and SE. the point for ¼ sec. cor. will fall on ledges where cor. cannot be set, 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. a large mound of stone for witness cor. to the ¾ sec. cor. with brass cap marked

¼

S25 | S30

WC
1924

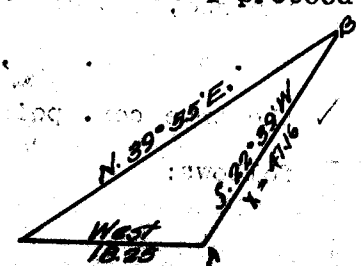
from which

A pinon, 8 ins.diam.,bears N.85°E., 80 lks. dist.,marked W C ¼ S 30 B T

A cedar, 6 ins.diam.,bears N.15°W., 61 lks. dist.,marked W C ¾ S 25 B T

I am unable to measure the distance to the south by direct measurement nor am I able to make a triangulati to a point on line on account of high ledges and precipitous slopes of mesas; therefore I proceed as follows:

Set flag "A" S.22°39'W. and erect flag "B" at the WC¼. From flag "A" measure a



West Boundary of T.43 S.,R.14 E.

Chains

base line west, 18.25 chs. to a point whence flag "B" bears N.39°55'E. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance of line "AB" by triangulation = 47.16 chs., or a southing of 43.52 chs. and westing of 18.16 chs.

Point "A" therefore is 80.27 chs. S. and 18.16 chs. west of the true point for cor. of secs. 19,24,25 and 30.

Note: The point at 40.00 chs. falls on ledges and the ¼ sec. cor. could not be established.

I now offset E., 12.06 chs., and N. .27 chs. to a point 80.00 chs. S. and 6.10 chs. west of the true point for the cor. of secs. 19,24,25 and 30 or at a point 6.10 chs. west of the true point for cor. of secs. 25,30, 31 and 36. The true point for cor. of secs. 25,30,31 and 36 falls in breaks of ledges which bears NE. and SW. and cannot be reached, therefore, at this point ,

Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for witness cor. to the cor. of secs. 25,30, 31 and 36, with brass cap marked

T43S
R13E | R14E
S25 | S30
S36 | S31 WC
1924

Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.

80.00 Point for cor. of secs. 25,30,31 and 36 on true line cannot be reached.

Land, broken mesa and rough mountainous; general W. exposure and drainage.

Soil, rocky of sandstone formation; 4th. rate.

Timber, scarub cedar and pinon on mesa.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

South, bet. secs. 31 and 36.

The line south from the true point for cor. of secs. 25,

Chains	
	30,31 and 36 cannot be measured on account of high ledge walls and breaks of mesas, I therefore begin at a point 18.00 chs. west of the true point for cor. of secs. 25,30,31 and 36 and run south on offset line as follows:
	Over rough, broken bench land and talus slopes.
	At 5.00 chs.; wash, 20 lks. wide, 8 ft. deep, drains
	At 20.00 chs.; wash, 20 lks. wide, 8 ft. deep, drains
	At 46.00 chs., offset East, 18.00 chs. to true line a
46.00	Thence by return measurement north on true line to
45.82	The true point for ¼ sec. cor. at 40.00 chs. cannot be reached on account of impassable cliffs, therefore at this point.
	Set an iron post, 3 ft. long, 1 in. in diam., 6 ins in the ground and over (x) on solid rock and 22 ins. in a large moind of stone, for witness ¼ sec. cor. for secs. 31 and 36, with brass cap marked
	WC ¼ S36 | S31 1924
	I now return to my point on offset line at 46.00 chs., and, being unable to continue south from this point on account of cliffs, I offset,
	West, 5.00 chs., or total offset of 23.00 chs., then
	South, on offset line, with continuous measurement.
	At 54.30 chs.; wash, 30 lks. wide, 10 ft. deep, drains W.
	At 73.30 chs.; spur, 190 ft. above wash, projects W.
	At 81.59 chs., offset East, 23.00 chs. to true line, on which, at
81.59	Intersect Utah-Arizona State Boundary Line, 14.45 chs. N.89°46'E. of the 201st. mile cor. heretofore describe
	At point of intersection,
	Set an iron post, 3 ft. long, 3 ins. in dia., 10 ins. in the ground on solid rock and 20 ins. in a large mound of stone for closing cor. of T.43 S., Rs. 13 and 14 E. with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	U T43S CC R13E | R14E S36 | S31 A 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	This cor. stands on a steep S. slope, about 5 chs. S. and 5 chs. W. of a high ledge wall which bears NW. and SE.
	Land, rough mountainous; W. exposure and drainage.
	Soil, rocky of sandstone formation; 3rd. rate.
	No timber.
	Undergrowth, black brush and mountain rush.
	Poor grazing.

SUBDIVISION OF T.43 S.,R.14 E.

	From the cor. of secs. 1,2,35 and 36 on the N. bdy. of the Tp. established under this group and described in the field notes of the survey of T.42 S.,R.14 E.
	S.0°01'E., bet. secs. 1 and 2.
	Over rough bench land broken by sandstone outcroppings, through short undergrowth.
10.00	Low spur, projects SW.; gradually descend.
14.00	Shallow draw, drains SE.
35.00	Leave sandstone outcroppings, bears NE. and SW.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S2 | S1 1924
	Deposit a stone, 6x4x4 ins., marked with a cross (X) on one face at base of monument.
57.00	Wash, 30 lks. wide, 3 ft. deep, drains NE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 1,2,11 and 12, with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	T43S | R14E S2 | S1 S11 | S12 1924
	Deposit a stone, 8x6x4 ins., marked with a cross (X) on one face at base of monument.
	Land, rolling and broken sandstone bench; general drains SE.
	Soil, rocky and loose sand of sandstone formation; 3rd. rate.
	Timber, a few scattering cedar and pinon on both sides of line.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.
	East, on a random line bet. secs. 1 and 12.
40.00	Set temp. ¼ sec. cor.
79.88.	Intersect E. bdy. of the Tp. 7 lks. N. of the cor. of secs. 1,6,7 and 12 which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as describe in the field notes of the survey of T.43 S.,R.15 E.
	Thence
	N.89°57'W., on true line bet. secs. 1 and 12.
	Over rolling bench land through short undergrowth.
29.90	Bottom of Moonlight Wash, dry sand bed, about 4 chs. wid and 4 ft. deep, drains NE.; road in wash, from Bluff t Moonlight, Utah, bears NE. and SW.
39.94	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S1 / S12 1924
	Deposit a stone, 8x6x4 ins., marked with a cross (X) on one face at base of monument.
79.88	The cor. of secs. 1,2,11 and 12.
	Land, rolling bench.
	Soil, sandy and rocky of sandstone formation; 3rd. rate.
	No timber.

Subdivision of T.43 S.,R.14 E.

Chains	
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.0°01'E., bet. secs. 11 and 12.
	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 ¼ sec. cor., with brass cap marked
	¼ S11 | S12 1924
	Deposit a stone, 6x6x4 ins., marked with a cross (X) on one face at base of monument.
55.00	Small wash, drains SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 11,12, 13 and 14, with brass cap marked
	T43S | R14E S11 | S12 S14 | S13 1924
	Deposit a stone, 8x6x4 ins., marked with a cross (X) on one face at base of monument.
	Land, rolling bench; drains SE.
	Soil, sandy loam and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.89°57'E., on a random line bet. secs. 12 and 13.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect E. bdy. of the Tp. at the cor. of secs. 7,12, 13,and 18 which is an iron post, 2 ins. in dia., firmly set and marked and witnessed as described in the field notes of the survey of T.43 S.,R.15 E.
	Thence
	N.89°57'W., on true line bet. secs. 12 and 13.

Subdivision of T.43 S.,R.14 W.

Chains

Over rolling bench land through short undergrowth.

39.92 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S12 / S13 1924

Deposit a stone, 6x6x4 ins., marked with a cross (X) on one face at base of monument.

47.85 Bottom of Moonlight Wash, dry sand bed, about 4 chs. wi and 4 ft. deep, drains NE.; road in wash from Bluff t Moonlight, Utah, bears NE. and SW.

55.40 Fence and enter cleared land, bears NE. and SW.

58.20 Fence and leave cleared land, bears NE. and SW.

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

Land, rolling bench; drains NE.

Soil, sandy and sandstone rock; 2nd. and 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.0°01'E., bet. secs. 13 and 14.

Over broken bench land through short undergrowth.

13.80 Rocky spur, 150 ft. above sec. cor., projects E.

25.00 O'Neil's tent house, bears E., 20.00 chs. distant. and is situated on the W. bank of Moonlight Wash.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S14 | S13 1924

from which

A cedar, 10 ins.diam.,bears N.17°E., 514 lks. dist.,marked ¼ S 13 B T

A cedar, 12 ins.diam.,bears N.56½°W., 606 lks. dist., marked ¼ S 14 B T

From this cor. the base of a mesa which bears NE. and SW., bears W. 6.00 chs. distant.

Subdivision of T.43 S.,R.14 E.

Chains	
55.00	Point of rocky spur, projects E.
62.80	Wash, drains SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 13,14,23 and 24, with brass cap marked

T43S | R14E
S14 | S13
S23 | S24
1924

Deposit 1 qt. of broken bone at base of monument.

Land, rolling and broken bench; drains NE.

Soil, sandy loam and sandstone outcroppings; 3rd. rate.

Timber, a few scattering cedar and pinon on both sides of line.

Undergrowth. black brush, amole and mountain rush.

Poor grazing.

S.89°57'E., on a random line bet. secs. 13 and 24

40.00	Set temp. ¼ sec. cor.
79.94	Intersect E. bdy. of the Tp. 14 lks. S. of the cor. of secs. 13,18,19 and 24 which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as described in the field notes of the survey of T.43 S.,R.15 E.

Thence

S.89°57'W., on true line bet. secs. 13 and 24.

Over mountainous land through scattering scrub timber and short undergrowth.

8.35	Draw, 70 ft. below sec. cor., drains SW.; ascend.
28.90	Spur, 115 ft. above draw, projects SW.; descend W. slope broken by ledges and outcroppings.
39.97	Point for ¼ sec. cor. falls on breaks of ridge and on unsafe ground, therefore, at
47.68	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 witness cor. to the ¼ sec. cor., with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	$\frac{1}{4}$ $\frac{S13}{S24 \mid 1924}$ WC
	from which
	A cedar, 4 ins.diam.,bears N.44°W., 68 lks. dist.,marked WC ¼ S 13 B T
	A sandstone boulder, marked X BO S 24, bears S.89°E., 4.00 chs. distant.
	Cor. stands at base of ridge, 275 ft. below top, bears NE. and SW.; thence over rolling bench land.
50.25	Road, from Bluff to Moonlight, Utah, bears N. and S.
60.00	Bottom of Moonlight Wash, dry sand bed, about 4 chs. wid drains N.
79.94	The cor. of secs. 13,14,23 and 24.
	Land, mountainous on E. 47.68 chs. and rolling bench on remainder of mile; general drainage N.
	Soil, sandy and sandstone rock; 3rd. rate.
	Timber, a few scattering cedar and pinon.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.

	S.0°01'E., bet. secs. 23 and 24.
	Over bench land through scattering scrub timber and short undergrowth.
15.00	Large draw, drains NE.; road in same, bears NE. and W.
31.30	Road, bears E. and W.
36.80	Road, bears NW. and SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 27 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S23 | S24 1924
	from which
	A cedar, 4 ins.diam.,bears S.70¾°E., 278 lks. dist.,marked ¼ S 24 B T
	A pinon, 10 ins.diam.,bears S.25½°W., 250 lks. dist.,marked ¼ S 23 B T

Subdivision of T.43 S.,R.14 E.

Chains

From this cor. the Crammer Trading Post, bears N.66°30'E., 33.11 chs. distant.

Begin ascent over slope of mesa.

55.00 Top of N. edge of mesa, 225 ft. above ¼ sec. cor., bears E. and W. The E. point of mesa, bears E. 25.00 chs. distant.

80.00 On surface rock, mark a cross (X), over which,

Set an iron post, 3 ft. long, 2 ins. in dia., 30 ins. in a large mound of stone for cor. of secs. 23,24,25 and 26, with brass cap marked

T43S | R14E
S23 | S24
S26 | S25
1924

Land, rolling bench and mesa and broken slopes; general NE. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. rate.

Timber, scattering scrub cedar and pinon on N. portion of mile.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

N.89°57'E., on a random line bet. secs. 24 and 25.

40.00 Set temp. ¼ sec. cor.

79.80 Intersect E. bdy. of the Tp. 14 lks. N. of the cor. of secs. 19,24,25 and 30 which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as described in the field notes of the survey of T. 43 S.,R.15 E.

Thence

N.89°57'W., on true line bet. secs. 24 and 25.

Over rolling bench land through short undergrowth.

19.80 Indian Hogans, bear S. 5 chs. distant.

26.00 Road, from Bluff to Moonlight, Utah, bears NW. and SE.

39.90 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S24
S25
1924

Subdivision of T.43 S.,R.14 E.

Chains	
	Deposit a stone, 6x6x4 ins., marked with a cross (X) on one face at base of monument.
45.70	Bottom of Moonlight Wash, dry sand bed, about 4 chs. wid drains N.
60.00	Begin ascent over mesa slope, bears N. and S.
73.80	Top of ascent and rim of mesa, 300 ft. above wash, bears N. and S.; thence over mesa.
79.80	The cor. of secs. 23,24,25 and 26.
	Land, rolling mesa or bench on east and west portions of mile; broken slope of mesa in west central portion. General E. exposure and N. drainage.
	Soil, sandy and sandstone rock; 3rd. rate.
	Timber, a few scattering scrub cedar and pinon on both sides of line.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	S.0°01'E., bet. secs. 25 and 26.
	Over top of mesa through scrub timber and short undergrowth.
40.00	Set an iron pst, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S26 | S25 1924
	from which
	A cedar, 8 ins.diam.,bears N.46¼°E., 83 lks. dist.,marked ¼ S 25 B T
	A cedar, 10 ins.diam.,bears S.6½°W., 57 lks. dist.,marked ¼ S 26 B T
44.75	Leave timber on brink of mesa, bears NE. and S.10°W.; descend along E. slope.
64.85	Point of mesa, projects E.; descend S. slope.
70.40	Wash, 15 lks. wide, 5 ft. deep, drains E. at base of mesa, 200 ft. below ¼ sec. cor., bears E. and W.;

Subdivision of T.43 S.,R.14 W.

Chains

thence over rolling bench.

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

T43S | R14E
S26 | S25
S35 | S36
1924

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

Land rolling and broken mesa; general E. exposure and N. drainage.

Soil, sandy and rocky of sandstone formation; 3rd. rate.

Timber, scrub cedar and pinon on mesa.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.89°57'E., on a random line bet. secs. 25 and 36.

40.00 Set temp. ¼ sec. cor.

80.18 Intersect E. bdy. of the Tp. 14 lks. S. of the cor. of secs. 25,30,31 and 36 which is an iron post, 2 ins. in dia., firmly set, and marked and witnessed as described in the field notes of the survey of T.43 S.,R.15 E.

Thence

S.89°57'W., on true line bet. secs. 25 and 36.

Descend over broken bench land through scrub timber and short undergrowth.

25.80 Wash, 30 lks. wide, 10 ft. deep, in canyon 150 ft. below sec. cor., drains S.80°W.

36.18 Same wash, 30 lks. wide, 10 ft. deep, drains NW.; gradually ascend.

40.09 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor. with brass cap marked

¼ S25
S36
1924

from which

A cedar, 12 ins.diam.,bears S.19°W., 150 lks. dist.,marked ¼ S 36 B T

Chains	
	A cedar, 10 ins.diam., bears N.65½°W., 129 lks. dist., marked ¼ S 25 B T
57.30	Point of mesa, projects N.; descend.
58.30	Bottom of Moonlight Wash, 1 ch. wide, dry sandy channel, drainsNE.; road in wash, bears NE. and SW.
80.18	The cor. of secs. 25,26,35 and 36.
	Land, broken bench; general N. exposure and drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, a few scattering scrub cedar and pinon.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.

	S.0°01'E., on true line bet. secs. 35 and 36.
	Over rolling bench land through short undergrowth.
.83	Wash, 30 lks. wide, 1 ft. deep, drains SE.
17.39	Wire fence, bears E. and W.
22.10	Moonlight Wash, 3 chs. wide, 10 ft. deep, drains NE.
28.40	Begin ascent over N. slope of mesa, bears NE. and SW.
37.65	Top of mesa, 265 ft. above base, bears NE. and SW.; thence over mesa.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

¼

S35 | S36

1924

from which

Face of sandstone boulder, marked X BO S35, bears S.21°W., 55 lks. distant.

No other accessories practicable.

55.80	Wash, 40 lks. wide, 10 ft. deep, drains W.
80.46	Intersect Utah-Arizona State Boundary Line at 14.70 chs. S.89°54'E. of the witness cor. to the 206th. mile cor. heretofore described. Witness cor. is 2.00 chs. N.89°45'E. of true cor. point.

At point of intersection,

Subdivision of T.43 S.,R.14 E.

On surface rock, mark a cross (X), over which,

Set an iron post, 3 ft. long, 2 ins. in dia., 30 ins. in a large mound of stone for closing cor. of secs. 35 and 36, with brass cap marked

U
CC
T43S | R14E
S35 | S36

A
1924

from which

A large boulder, marked X BO S 35, bears N.89°W., 4 lks. distant.

Land, rolling and broken bench; general N. exposure and drainage.

Soil, sandy and sandstone rock; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

From the cor. of secs. 2,3,34 and 35 on the N. bdy. of the Tp., established under this group and described in the field notes of the survey of T.42 S.,R.14 E.

S.0°01'E., bet. secs. 2 and 3.

Over rolling bench land through scattering scrub timber and short undergrowth.

12.40 Road, bears NE. and SW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 20 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

¼
S3 | S2
1924

from which

A cedar, 6 ins.diam.,bears N.9½°E., 234 lks. dist.,marked ¼ S 2 B T

A cedar, 8 ins.diam.,bears N.8°W., 353 lks. dist.,marked ¼ S 3 B T

Subdivision of T.43 S., R.14 E.

Chains

45.00 Enter sandstone outcroppings, bears NE. and SW.; leave timber.

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 ins. in a large mound of stone for cor. of secs. 2,3,10 and 11 with brass cap marked

T43S S3	R14E S2
S10	S11

1924

Land, rolling; drains NW.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scattering scrub cedar and pinon in northern portion of mile.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

East, on a random line bet. secs. 2 and 11.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line 9 lks. N. of the cor. of secs. 1,2,11 and 12.

Thence

N.89°56'W., on true line bet. secs. 2 and 11.

Over rolling bench land through short undergrowth.

40.01 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S2 / S11

1924

Deposit a stone 4x3x3 ins., marked with a cross (X) on one face at base of monument.

40.40 Wash, 25 lks. wide, 5 ft. deep, drains NE.

55.10 Enter sandstone outcroppings, bears NE. and SW.

80.02 The cor. of secs. 2,3,10 and 11.

Land, rolling bench; drains NE.

Soil, sandy and sandstone rock; 3rd. rate.

No timber.

Subdivision of T.43 S., R.14 E.

Chains	
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.0°01'E., bet. secs. 10 and 11.
	Over rolling bench land through short undergrowth across sandstone outcroppings.
19.20	Leave sandstone outcroppings, bears NE. and SW.
22.30	Wash, 30 lks. wide, 3 ft. deep, drains NE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins., in the ground for ¼ sec. cor., with brass cap marked

¼
S10 | S11
1924

Deposit a stone, 6x4x3 ins., marked with a cross (X) on one face at base of monument.

69.00	Wash, 15 lks. wide, 3 ft. deep, drains NE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 10,11,14 and 15, with brass cap marked

T43S | R14E
S10 | S11
S15 | S14
1924

Deposit a stone, 6x5x3 ins., marked with a cross (X) on one face at base of monument.

Land, rolling; drains NE.

Soil, sandy and sandstone rock; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.89°56'E., on a random line bet. secs. 11 and 14.

40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 2 lks. N. of the cor. of secs. 11,12,13 and 14.

Thence

N.89°55'W., on true line bet. secs. 11 and 14.

Subdivision of T.43 S.,R.14 E.

Chains	
	Ascend over bench land through short undergrowth.
7.85	Spur, 110 ft. above sec. cor., projects N.; descend 90 ft. to
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S11 / S14 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
45.20	Base of mesa, bears NW. and SE.; ascend 200 ft. to
63.70	Top of spur from mesa, projects N.; descend 200 ft. to
69.50	Base of mesa, bears NE. and SW.; thence over bench.
80.02	The cor. of secs. 10,11,14 and 15.
	Land, rolling and broken bench; N. exposure and drainage.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	S.0°01'E., bet. secs. 14 and 15.
	Over sandy bench land through short undergrowth.
9.00	Base of isolated mesa, bears NE. and SW.; ascend abruptly
34.90	Top of ledge and rim of mesa, 325 ft. above sec. cor., bears NE. and SW.; enter scattering scrub timber, thenc across mesa.
40.00	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 ¼ sec. cor., with brass cap marked
	¼ / S15 | S14 / 1924
	from which
	A cedar, 5 ins.diam.,bears S.1½°E., 65 lks. dist.,marked ¼ S 14 B T
	A cedar, 4 ins.diam.,bears S.87°W., 30 lks.

Subdivision of T.43 S.,R.14 E.

Chains	
	dist.,marked ¼ S 15 B T
69.65	S. brink of mesa and leave timber, bears E. and W.; descend abruptly 225 ft. to
80.00	Point for cor. of secs. 14,15,22 and 23 falls on steep sloping surface rock where cor. cannot be set. Witness cor. established 2.05 chs. S.0°01'E.; for description of same see line bet. secs. 22 and 23.
	Land, rolling bench and rough slopes of mesa.
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, scrub cedar and pinon on mesa.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.

	S.89°55'E., on a random line bet. secs. 14 and 23.
40.00	Set temp. ¼ sec. cor.
80.16	Intersect N. and S. line 3 lks. S. of the cor. of secs. 13,14,23 and 24.
	Thence
	N.89°56'W., on true line bet. secs. 14 and 23.
	Over rolling bench land through very scattering scrub timber and short undergrowth.
15.50	Leave valley and begin ascent over SE. slope of mesa.
40.08	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S 14 / S23 1924
	Deposit a stone, 10x6x5 ins. marked with a cross (X) on one face at base of monument.
45.00	Top of ascent on S. slope of mesa, 300 ft. above sec. cor., bears NW. and SE.; descend along broken S. and SW. slopes to
80.16	The true cor. point of secs. 14,15,22 and 23.
	Land, rolling bench and rough slopes of mesa; general S. exposure and NE. drainage.

Subdivision of T.43 S., R.14 E.

Chains	
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, a few scattering scrub cedar and pinon.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	S.0°01'E., bet. secs. 22 and 23.
	Descend over broken S. slope of mesa through very scattering scrub timber and short undergrowth.
2.05	Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 20 ins. in a mound of stone for witness cor. to the cor. of secs. 14,15,22 and 23, with brass cap marked

WC
T43S | R14E
S15 | S14
S22 | S23
1924

from which

Face of sandstone ledge, marked X BO S23, bears N.19°E., 12 lks. distant.

Face of sandstone ledge, marked X BO S22, bears S.73¾°W., 48 lks. distant.

10.00	Base of mesa and enter bench, bears E. and W.
16.60	Road, bears NW. and SE.
22.65	Wash, 30 lks. wide, 4 ft. deep, drains NE.
31.65	Leave bench and begin ascent over NW. slope of mesa, bears E. and W.
40.00	Point for ¼ sec. cor. falls on steep, sloping surface rock where cor. cannot be set, therefore, at
44.80	Set an iron post, 3 ft. long, 1 in. in dia., 15 ins. in the ground on solid rock and 15 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked

WC
¼
S22 | S23
1924

from which

Subdivision of T.43 S.,R.14 E.

Chains

A pinon, 8 ins.diam.,bears N.7¼°E., 69 lks. dist., marked W C ¼ S 23 B T

No other trees available.

49.30 Thence along nearly W. slope.

60.45 Top of ascent, 350ft. above base, bears E. and W.; descend 200 ft. to

75.25 Base of mesa and enter bench, bears NW. and SE.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 22,23,26 and 27, with brass cap marked

T43S	R14E
S22	S23
S27	S26

1924

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

Land, rolling bench and rough breaks of mesa; general N. exposure and NE. drainage.

Soil, sandy and sandstone rock; 4th. rate.

Timber, a few scattering scrub cedar and pinon.

Undergrowth, black brush and mountain rush.

Poor grazing.

S.89°56'E., on a random line bet. secs. 23 and 26.

40.00 Set temp. ¼ sec. cor.

80.16 Intersect N. and S. line 3 lks. S. of the cor. of secs. 23,24,25 and 26.

Thence

N.89°57'W., on true line bet. secs. 23 and 26.

Over rolling mesa, through scattering scrub timber and short undergrowth.

40.08 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S23 / S26

1924

from which

A pinon, 8 ins.diam.,bears S.5¾°W., 241 lks. dist.,marked ¼ S 26 B T

Subdivision of T.43 S.,R.14 E.

Chains	
	No other suitable trees available and other accessories impracticable.
55.00	Leave scattering timber, bears N. and S.
69.15	Brink of mesa, bears NW. and SE.; descend.
75.15	Base of mesa, 135 ft. below top, bears NW. and SE.; thence over bench.
80.16	The cor. of secs. 22,23,26 and 27.
	Land, rolling mesa, bench and rough breaks; general N. exposure and NE. drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, scattering scrub cedar and pinon on E. portion of mile.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.
	S.0°01'E., bet. secs. 26 and 27.
	Over broken bench land through short undergrowth.
13.45	Draw, drains SE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor. with brass cap marked
	¼ S27 | S26 1924
	Deposit a stone, 14x10x8 ins., marked with a cross (X) one one face at base of monument.
47.50	Wash, 30 lks. wide, 10 ft. deep, drains NE.
62.00	Wash, drains E.
71.00	Wash, 1 ch. wide, 20 ft. deep, drains NE.
72.00	Leave bench and begin ascent over NW. slope of mesa.
80.00	On slope of mesa, 75 ft. above base.
	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. 26,27,34 and 35, with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	T43S | R14E S27 | S26 S34 | S35 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Land, broken bench and slope of mesa; general N. exposure and drainage.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.
	S.89°57'E., on a random line bet. secs. 26 and 35.
40.00	Set temp. ¼ sec. cor.
79.96	Intersect N. and S. line 7 lks. S. of the cor. of secs. 25,26,35 and 36.
	Thence
	West, on true line bet. secs. 26 and 35.
	Over broken bench land through short undergrowth.
1.80	Wash, 30 lks. wide, 1 ft. deep, drains SE.
27.25	Base of mesa, bears NW. and SE.; ascend.
39.98	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked ¼ S26 / S35 1924
	from which
	A sandstone boulder, 8x8x6 ft., marked X BO S26, bears N.10°W., 3 lks. distant.
	Other accessories impracticable.
48.20	Top of ledge and brink of mesa, 265 ft. above base, bears NW. and SE.; thence over mesa.
71.90	Leave mesa, bears NE. and SW.; descend 130 ft. to
79.96	The cor. of secs. 26,27,34 and 35.
	Land, rolling bench, mesa and rough breaks of mesa; general N. exposure and drainage.

Subdivision of T.43 S.,R.14 E.

Chains

Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.0°01'E., on true line bet. secs. 34 and 35.

Ascend over NW. break of mesa through short undergrowth.

4.50 Top of ridge or point of mesa, bears NE. and SW., 140 ft. above sec. cor.; descend S. slope 150 ft. to

25.60 Wash, 20 lks. wide, 3 ft. deep, drains E.

35.00 Base of mesa, bears E. and W.; ascend abruptly.

40.00 Top of white sandstone ledge and brink of mesa, 150 ft. above base, bears E. and W.

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 ¼ sec. cor., with brass cap marked

¼

S34 | S35

1924

from which

A projection of sandstone ledge, marked X BO S34, bears N.45°W., 28 lks. distant.

Thence over rolling and broken mesa through short undergrowth and scattering scrub timber.

[illegible].80 Intersect Utah-Arizona State Boundary Line, 16.67 chs. N.89°45'E. of the 205th. mile cor. heretofore described At point of intersection,.

Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for closing cor. of secs. 34 and 35, with brass cap marked

U

CC

T43S | R14E

S34 | S35

A

1924

Subdivision of T43 S.,R.14 E.

Chains	
	from which
	A cedar, 6 ins.diam.,bears N.6½°E., 132 lks. dist.,marked T 43 S R 14 E S 35 C C B T
	A cedar, 4 ins.diam.,bears N.62½°W., 140 lks. dist.,marked T 43 S R 14 E S 34 C C B T
	Land, rolling and broken mesa and bench land; general NE exposure and drainage.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	Timber, a few scattering scrub cedar and pinon on S. portion of mile.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	From the cor. of secs. 3,4,33 and 34 on the N. bdy. of the Tp., established under this group and described in the field notes of the survey of T.42 S.,R.14 E.
	S.0°02'E., bet. secs. 3 and 4.
	Over rolling bench land through scattering scrub timber and short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S4 | S3 1924
	from which
	A cedar, 4 ins.diam.,bears S.45°E., 219 lks. dist.,marked ¼ S 3 B T
	A cedar, 6 ins.diam.,bears N.17¼°W., 230 lks. dist.,marked ¼ S 4 B T
65.60	Road, bears NE. and SW.
80.00	On surface rock, mark a cross (X), over which,
	Set an iron post, 3 ft. long, 2 ins. in dia., 30 ins. in a large mound of stone for cor. of secs. 3,4,9 and 10, with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains

T43S | R14E
S4 | S3
S9 | S10
1924

Other accessories impracticable.

Land, rolling bench; general NW. exposure and drainage.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scattering scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

East, on a random line bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.02 Intersect N. and S. line 9 lks. N. of the cor. of secs. 2,3,10 and 11.

Thence

N.89°56'W., on true line bet. secs. 3 and 10.

Over rolling bench land broken by sandstone outcroppings, through scattering scrub cedar and pinon timber and short undergrowth.

28.20 Wash, drains SE.

40.01 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼ S3
S10
1924

from which

A cedar, 6 ins.diam.,bears N.50¾°E., 298 lks. dist.,marked ¼ S 3 B T

A pinon, 8 ins.diam.,bears S.69½°E., 408 lks. dist.,marked ¼ S 10 B T

Leave sandstone outcroppings; thence over more rolling ground.

60.00 Road,(dim) bears NE. and SW.

80.02 The cor. of secs. 3,4,9 and 10.

Land, rolling and broken bench.

Soil, sandy and sandstone rock; 3rd. rate.

Timber, a few scattering scrub cedar and pinon.

Subdivision of T.43 S.,R.14 E.

Chains

Undergrowth, black brush, amole and mountain rush.
Fair grazing. Drainage NE.

S.0°02'E., bet. secs. 9 and 10.

Over rolling bench land broken by numerous sandstone outcroppings, through scattering scrub cedar and pinon timber and short undergrowth.

40.00 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 ¼ sec. cor., with brass cap marked

¼
S9 | S10
1924

from which

A pinon, 10 ins.diam.,bears S.17°E., 115 lks. dist.,marked ¼ S 10 B T

A cedar, 6 ins.diam.,bears S.16°W., 72 lks. dist.,marked ¼ S 9 B T

55.20 Wash, 30 lks. wide, 4 ft. deep, drains SE.

77.50 Leave bench land broken by sandstone outcroppings and enter rolling valley land, bears NE. and SW.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 28 ins. in the ground for cor. of secs. 9,10,15 and 16, with brass cap marked

T43S | R14E
S9 | S10
S16 | S15
1924

from which

A cedar, 8 ins.diam.,bears N.19°E., 310 lks. dist.,marked T 43 S R 14 E S 10 B T

A pinon, 10 ins.diam.,bears S.37½°W., 415 lks. dist.,marked T 43 S R 14 E S 16 B T

A cedar, 4 ins.diam.,bears N.11°W., 229 lks. dist.,marked T 43 S R 14 E S 9 B T

No other trees are available and other accessories are impracticable.

Subdivision of T.43 S.,R.14 E.

Chains	
	Land, rolling bench; general drainage NE.
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, scattering scrub cedar and pinon.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.89°56'E., on a random line bet. secs. 10 and 15.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 3 lks. S. of the cor. of secs. 10,11,14 and 15.
	Thence
	N.89°57'W., on true line bet. secs. 10 and 15.
	Over rolling valley through short undergrowth.
12.60	Wash, 40 lks. wide, 4 ft. deep, drains NE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S10 / S15 1924
	Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.
78.20	Wash, 10 lks. wide, 4 ft. deep, drains NE.
80.00	The cor. of secs. 9,10,15 and 16.
	Land, rolling, drains NE.
	Soil, loose sand; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.0°02'E., bet. secs. 15 and 16.
	Over rolling valley through short undergrowth.
1.10	Wash, 10 lks. wide, 4 ft. deep, drains NE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor. with brass cap marked
	¼ S16 | S15 1924

Subdivision of T.43 S.,R.14 E.

Chains	
	Deposit a stone, 4x4x3 ins., marked with a cross (X) on one face at base of monument.
62.30	Wash, 20 lks. wide, 6 ft. deep, drains NE.
66.80	Wash, 10 lks. wide, 3 ft. deep, drains NW.
77.50	Road, bears NW. and SE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 18 ins. in a mound of stone for cor. of secs. 15,16,21 and 22 with brass cap marked T43S | R14E S16 | S15 S21 | S22 1924
	Deposit a stone, 5x5x4 ins., marked with a cross (X) on one face at base of monument.
	Land, rolling; drains NE.
	Soil, loose sand and sandstone rock; 4th. rate.
	No timber.
	Undergrowth, black bruah, amole and mountain rush.
	Fair grazing.
	S.89°57'E., on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line at the true point for cor. of secs. 14,15,22 and 23.
	Thence
	N.89°57'W., on true line bet. secs. 15 and 22.
	Descend over rough, broken surface rock along S. slope of mesa.
33.00	Base of mesa and enter valley and short undergrowth, bears N. and S.
37.40	Wash, 20 lks. wide, 4 ft. deep, drains SE.
40.05	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S15 / S22 1924
	Deposit a stone, 7x6x5 ins., marked with a cross (X)

Subdivision of T.43 S.,R.14 E.

Chains	
	on one face at base of monument.
76.90	Road, bears NW. and SE.
80.10	The cor. of secs. 15,16,21 and 22.
	Land, broken slope of mesa on E. 33.00 chs. and rolling valley on remainder of mile; general NE. drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing on W. half mile.

	S.0°02'E., bet. secs. 21 and 22.
	Over rolling valley through short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S21 | S22 1924
	Deposit a stone, 5x5x4 ins., marked with a cross (X) on one face at base of monument.
47.80	Wash, 30 lks. wide, 6 ft. deep, drains E.
61.10	Wash, 10 lks. wide, 3 ft. deep, drains E.
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
	T43S | R14E S21 | S22 S28 | S27 1924
	Deposit a stone, 4x3x3 ins., marked with a cross (X) on one face at base of monument.
	Land, rolling, drains NE.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	S.89°57'E., on a random line bet. secs. 22 and 27.

Subdivision of T.43 S.,R.14 E.

Chains	
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 7 lks. S. of the cor. of secs. 22,23,26 and 27.
	Thence
	West, on true line bet. secs. 22 and 27.
	Gradually ascend over broken bench land through scattering scrub timber and short undergrowth.
26.80	Low spur, projects S.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor. with brass cap marked
	¼ S22 / S27 1924
	from which
	A cedar, 10 ins.diam.,bears N.61°E., 228 lks. dist.,marked ¼ S 22 B T
	A cedar, 6 ins.diam.,bears S.2°E., 96 lks. dist.,marked ¼ S27 B T
53.55	Sandstone butte, 225 ft. high, bears N. and S.; descend.
60.25	Wash, drains NE.
75.00	Thence over more rolling ground, bears NE. and SW.
77.40	Wash, 10 lks. wide, 4 ft. deep, drains NE.
80.00	The cor. of secs. 21,22,27 and 28.
	Land, rolling and broken bench; general N. exposure and NE. drainage.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	Timber, scrub cedar and pinon.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	S.0°02'E., bet. secs. 27 and 28.
	Over broken bench land through short undergrowth.
27.40	Head of canyon wash, drains NE.
34.10	Top of ascent on W. slope of sandstone butte, 50 ft. high, bears E. and W.; descend.

Subdivision of T.43 S., R.14 E.

Chains

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked

¼

S28 | S27

1924

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

57.56 Foot of high sandstone point, bears NW. and SE.; to pass point, I offset as follows:

East, 13.83 chs., then

S.0°02'E., 80.00 chs. (counted from sec. cor.), then

West, 13.83 chs. to true line, on which at

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 18 ins. in the ground on solid rock and 12 ins. in a mound of stone for cor. of secs. 27,28,33 and 34, with brass cap marked

T43S R14E

S28 | S27

S33 | S34

1924

from which

A sandstone boulder, 6x6x6 ft., marked X BO S28, bears N.51¾°W., 53 lks. distant.

A sandstone boulder, 3x4x4 ft., bears S.51¼°E., 37 lks. distant, marked X BO. S 34

Other accessories impracticable.

Land, rolling and broken bench; general N. exposure and drainage.

Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

East, on a random line bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line 9 lks. N. of the cor. of secs. 26,27,34 and 35.

Subdivision of T.43 S., R.14 E.

Chains	
	Thence
	N.89°56'W., on true line bet. secs. 27 and 34.
	Descend over broken bench land through short undergrowth.
15.00	Wash, 12 lks. wide, 3 ft. deep, 60 ft. below sec. cor., drains NE.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S27 / S34 / 1924
	Raise a mound of stone, 2 ft. base, 1½ ft. high, N. of cor.
64.00	Enter wash, 30 lks. wide, 1 ft. deep, drains NE.
66.00	Leave wash, comes from the SW.
80.00	The cor. of secs. 27, 38, 33 and 34.
	Land, rolling and broken bench; N. exposure and drainage.
	Soil, sandy and rocky of sandstone formation; 4th. rate.
	No timber.
	Undergrowth, black brush and mountain rush.
	Fair grazing.
	S.0°02'E., on true line bet. secs. 33 and 34.
	Over rough broken bench land through very scattering scrub timber and short undergrowth.
3.70	Wash, 20 lks. wide, 3 ft. deep, drains N.80°E.
7.10	Base of low ridge, bears NE. and SW.; ascend.
24.50	Top of ridge, bears N.20°E. and S.20°W.; thence over nearly level top.
40.00	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 ¼ sec. cor., with brass cap marked
	¼ / S33 | S34 / 1924
	from which
	A pinon, 4 ins. diam., bears N.73½°E., 7 lks. dist., marked ¼ S 34 B T

Subdivision of T.43 S.,R.14 E.

Chains

Face of ledge, marked X BO S33, bears West, 8 lks. distant.

46.10 Descend from ridge, bears N.20°E. and S.20°W.

50.35 Wash, 30 lks. wide, 6 ft. deep, drains E.

55.60 Wash, 20 lks. wide, 4 ft. deep, drains NE.

81.29 Intersect Utah-Arizona State Boundary Line, 15.35 chs. N.89°51'E. of the 204th. mile cor. heretofore described.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for closing cor. of secs. 33 and 34, with brass cap marked

U
C C
T43S | R14E
S33 | S34

A
1924

from which

A pinon, 6 ins.diam.,bears N.25°E., 123 lks. dist.,marked T 43 S R 14 E S 34 C C B T

A pinon, 4 ins.diam.,bears N.15°W., 30 lks. dist.,marked T 43 S R 14 E S 33 C C B T

Land, rough, broken bench; N. exposure and drainage.

Soil, sandy and sandstone rock; 4th. rate.

Timber, a few scattering scrub cedar and pinon.

Undergrowth, black brush and mountain rush.

Poor grazing.

From the cor. of secs. 4,5,32 and 33 on the N. bdy. of the Tp. which is an iron post, 2 ins. in dia., establish under this group and described in the field notes of the survey of T.42 S.,R.14 E.

S.0°03'E., bet. secs. 4 and 5.

Over broken bench land through scattering scrub timber and short undergrowth.

21.45 Wash, 3 chs. wide, 40 ft. deep, drains NW.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in

Chains	
	the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor. with brass cap marked
	¼ S5 | S4 1924
	from which
	A cedar, 4 ins.diam., bears S.66°E., 27 lks. dist., marked ¼ S 4 B T
	A cedar, 8 ins.diam., bears N.76°W., 105 lks. dist., marked ¼ S 5 B T
42.90	Wash, 1 ch. wide, 20 ft. deep, drains NW.
52.10	Wash, 1 ch. wide, 20 ft. deep, drains NW.
76.25	Wash, 1 ch. wide, 20 ft. deep, drains NW.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 4,5,8 and 9, with brass cap marked
	T43S | R14E S5 | S4 S8 | S9 1924
	from which
	A pinon, 4 ins.diam., bears N.52¾°E., 68 lks. dist., marked T 43 S R 14 E S 4 B T
	A cedar, 4 ins.diam., bears S.82¾°E., 70 lks. dist., marked T 43 S R 14 E S 9 B T
	A pinon, 8 ins.diam., bears S.40¾°W., 82 lks. dist., marked T 43 S R 14 E S 8 B T
	A cedar, 6 ins.diam., bears N.65¾°W., 135 lks. dist., marked T 43 S R 14 E S 5 B T

Land, broken bench; NW. exposure and drainage.

Soil, sandy and sandstone rock; 3rd. rate.

Timber, scattering scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

East, on a random line bet. secs. 4 and 9.

Subdivision of T.43 S.,R.14 E.

Chains

40.00 Set temp. ¼ sec. cor.

80.18 Intersect N. and S. line 5 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.

Over broken bench land through scattering timber.

13.50 Road, bears NE. and SW.

40.09 Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

¼ S4 / S9 1924

from which

A pinon, 6 ins.diam.,bears N.75¾°E., 135 lks. dist.,marked ¼ S 4 B T

Face of ledge, marked X BO S 9, bears S.3°E., 59 lks. distant.

77.30 Wash, drains NW.

80.18 The cor. of secs. 4,5,8 and 9.

Land, broken bench; NW. exposure and drainage.

Soil, sandy and rocky of sandstone formation; 4th. rate.

Timber, scattering scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Fair grazing.

S.0°03'E., bet. secs. 8 and 9.

Over rolling bench land through short undergrowth.

22.60 Road, bears NW. and SE.

40.00 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 ¼ sec. cor., with brass cap marked

¼ S8 | S9 1924

Subdivision of T.43 S.,R.14 E.

Chains	
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 8,9,16 and 17, with brass cap marked T43S | R14E S8 | S9 S17 | S16 1924 Deposit a stone, 12x6x6 ins., marked with a cross (X) on one face at base of monument. Land, broken bench; NW. exposure and drainage. Soil, sandy and sandstone rock; 4th. rate. No timber. Undergrowth, black brush, amole and mountain rush. Fair grazing.
	S.89°58'E., on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. and S. line 3 lks. S. of the cor. of secs. 9,10,15 and 16.
	Thence
	N.89°59'W., on true line bet. secs. 9 and 16.
	Over rolling bench through short undergrowth.
40.09	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked ¼ S9 / S16 1924 Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.
53.70	Road, bears NE. and SW.
80.18	The cor. of secs. 8,9,16 and 17.
	Land, rolling bench; drains NW.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

Subdivision of T.43 S., R.14 E.

Chains	
	S.0°03'E., bet. secs. 16 and 17.
	Over rolling bench land through short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 6 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼
S17 | S16
1924

	Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.
50.40	Begin gradual descent over broken ground.
76.50	Wash, 20 lks. wide, 4 ft. deep, drains E.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 8 ins. in the ground on solid rock and 20 ins. in a mound of stone for cor. of secs. 16,17,20 and 21, with brass cap marked

T43S | R14E
S17 | S16
S20 | S21
1924

	Deposit a stone, 8x4x4 ins., marked with across (X) on one face at base of monument.
	Land, rolling bench; drains NE.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.

	S.89°59'E., on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.14	Intersect N. and S. line 16 lks. N. of the cor. of secs. 15,16,21 and 22.
	Thence
	N.89°52'W., on true line bet. secs. 16 and 21.
	Over rolling bench land through short undergrowth.
30.15	Wash, drains NE.
40.07	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in

Subdivision of T.43 S.,R.14 E.

Chains	
	the ground for ¼ sec. cor., with brass cap marked
	¼ S16 / S21 / 1924
	Deposit a stone, 6x5x4 ins., marked with a cross (X) on one face at base of monument.
80.14	The cor. of secs. 16,17,20 and 21.
	Land, rolling; drains NE.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.

	S.0°03'E., bet. secs. 20 and 21.
	Over rolling land through short undergrowth.
19.70	Wash, 30 lks. wide, 2 ft. deep, drains E.
32.70	Wash, 10 lks. wide, 4 ft. deep, drains E.
40.00	On surface rock, mark a cross (X), over which,
	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked
	¼ S20 | S21 / 1924
	from which
	Sandstone surface rock, marked X BC S20, bears S.50°W., 7 lks. distant.
41.00	Wash, 15 lks. wide, 3 ft. deep, drains N.70°E.
51.00	Wash, 15 lks. wide, 4 ft. deep, drains NE.
58.75	Wash, 10 lks. wide, 3 ft. deep, drains NE.
80.00	Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 20 ins. in a mound of stone for cor. of secs. 20,21,28 and 29, with brass cap marked
	T43S | R14E S20 | S21 S29 | S28 1924

Subdivision of T.43 S., R.14 E.

Chains	
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.
	Land, rolling bench; drains E.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.89°52'E., on a random line bet. secs. 21 and 28
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 2 lks. S. of the cor. of secs. 21,22,27 and 28.
	Thence
	N.89°53'W., on true line bet. secs. 21 and 28.
	Over rolling land through short undergrowth.
10.10	Wash, 12 lks. wide, 3 ft. deep, drains NE.
18.00	Wash, 10 lks. wide, 3 ft. deep, drains NE.
40.01	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ S21 / S28 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
53.55	Wash, 10 lks. wide, 3 ft. deep, drains NE.
74.50	Wash, 10 lks. wide, 3 ft. deep, drains NE.
80.02	The cor. of secs. 20,21,28 and 29.
	Land, rolling bench; drains NE.
	Soil, sandy and sandstone rock; 3rd. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	S.0°03'E., bet. secs. 28 and 29.
	Over rolling bench land through short undergrowth.
3.00	Wash, 10 lks. wide, 3 ft. deep, drains NE.
16.30	Wash, 10 lks. wide, 3 ft. deep, drains N.70°E.
21.40	Wash, 10 lks. wide, 3 ft. deep, drains N.70°E.

Subdivision of T.43 S.,R.14 E.

Chains	
40.00	On N. slope of mesa.
	Set an iron post, 3 ft. long, 1 in. in dia., 12 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼
S29 | S28
1924

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

The line S. strikes vertical ledge wall on point of mesa over which I am unable to chain, I therefore offset as follows:

East, 20.00 chs., then

S.0°03'E. on offset line, 40.00 chs., then

West, 20.00 chs. to true line on which at

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

T43S	R14E
S29	S28
S32	S33

1924

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

Cor stands on abrupt E. slope of mesa.

Land, rolling bench on N. half and rough breaks of mesa on S. half mile; general NE. exposure and drainage.

Soil, sandy clay loam and rocky of sandstone formation; 3rd. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

S.89°53'E., on a random line bet. secs. 28 and 33.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect the cor. of secs. 27,28,33 and 34.

Thence

N.89°53'W., on true line bet. secs. 28 and 33.

Over broken bench land through short undergrowth.

Subdivision of T.43 S., R.14 E.

Chains	
40.00	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 ¼ sec. cor. with brass cap marked

$$\frac{1}{4}\ \frac{S28}{S33}$$
1924

from which

A sandstone boulder, marked X BO S 28, bears North, 37 lks. distant.

Other accessories impracticable.

Begin ascent of 375 ft. over broken E. slope of mesa.

80.00 The cor. of secs. 28,29,32 and 33.

Land, broken bench land and rough breaks of mesa; general E. exposure and drainage.

Soil, sandy and rocky of sandstone formation; 4th. rate.

No timber.

Undergrowth, black brush and mountain rush.

Poor grazing.

S.0°03'E., on true line bet. secs. 32 and 33.

The line south passes along rugged breaks and over high ledge wall of mesa and cannot be chained, therefore, I begin at a point 16.36 chs. west of the cor. of secs. 28,29,32 and 33 and run on offset line as follows:

S.0°03'E., 40.00 chs., over top of mesa; then

East, 11.57 chs. to a point 40.00 chs. S.0°03'E. and 4.79 chs. West of the cor. of secs. 28,29,32 and 33 or a point 4.79 chs. west of the true point for the ¼ sec. cor. bet. secs. 32 and 33. Bein unable to reach the true cor. point for the ¼ sec. cor. on account of high ledge, I establish a witness cor. to the ¼ sec. cor. at this point as follows:

Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains

$\frac{1}{4}$

S32 | WC S33

1924

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

Continue on offset line, from witness cor.to $\frac{1}{4}$ sec.cor.

S.0°03'E., to 49.68 chs., then offset

East, 4.79 chs. to true line at

49.68 Thence over top of mesa to

81.75 Intersect Utah-Arizona State Boundary Line, 14.71 chs.

N.89°58'E. of the 203rd. mile cor. heretofore described.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 16 ins. in the ground on solid rock and 12 ins. in a mound of stone for closing cor. of secs. 32 and 33, with brass cap marked

U

C C

T43S | R14E

S32 | S33

A

1924

from which

A cedar, 8 ins.diam.,bears N.60°E., 8 lks. dist.,marked T 43 S R 14 E S 33 C C B T

A pinon, 4 ins.diam.,bears N.65°W., 16 lks. dist.,marked T 43 S R 14 E S 32 C C B T

Land, rough breaks of mesa on N. 49.68 chs.; rolling mesa top on remainder of mile.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scattering scrub cedar and pinon on south portion of mile.

Undergrowth, black brush and mountain rush.

Poor grazing.

From the cor. of secs. 5,6,31 and 32 on the N. bdy. of the Tp. which is an iron post, 2 ins. in dia., firmly set, established under this group and described in the field notes of the survey of T.42 S.,R.14 E.

Subdivision of T.43 S., R.14 E.

Chains

S.0°03'E., bet. secs. 5 and 6.

Along E. slope of high sandstone ridge with vertical walls; over rolling land through short undergrowth.

40.00 Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 16 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

¼

S6 | S5

1924

from which

A sandstone boulder, 5x4x3 ft., marked X BO S5 bears S.20°E., 2 lks. distant.

Other accessories impracticable.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 10 ins. in the ground on solid rock and 20 ins. in a mound of stone for cor. of secs. 5,6,7 and 8, with brass cap marked

T43S | R14E

S6 | S5

S7 | S8

1924

Deposit a stone, 30x12x6 ins., marked with a cross (X) on one face alongside base of monument.

Land, rolling; E. exposure and N. drainage.

Soil, sandy and sandstone rock; 4th. rate.

No timber.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

East, on a random line bet. secs. 5 and 8.

40.00 Set temp. ¼ sec. cor.

80.06 Intersect N. and S. line 5 lks. S. 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 bench land through short undergrowth.

4.00 Wash, 40 lks. wide, 20 ft. deep, drains N.

Subdivision of T.43 S.,R.14 E.

Chains	
31.00	Road, bears NW. and SE.
39.50	Wash, in shallow draw, drains N.
40.03	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 ¼ sec. cor., with brass cap marked
	¼ S5 / S8 1924
	Impracticable to build accessories to cor.
50.90	Wash, in shallow draw, drains N.10°W.
80.06	The cor. of secs. 5,6,7 and 8.
	Land, rolling bench; N. exposure and drainage.
	Soil, sandy and rocky of sandstone formation; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain mah.
	Fair grazing.
	West, on a random line bet. secs. 6 and 7.
	To pass S. point of high sandstone ridge over which I cannot chain, I offset as follows:
	South, 5.00 chs., then
	West, 20.00 chs., then
	North, 5.00 chs. to true random line at
20.00	Thence west on true random line.
40.00	Set temp. ¼ sec. cor.
78.55	Intersect W. bdy. of the Tp. 5 lks. S. of the cor. of secs. 1,6,7 and 12, heretofore described.
	Thence
	S.89°58'E., on true line bet. secs. 6 and 7.
	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 ¼ sec. cor., with brass cap marked
	¼ S6 / S7 1924
	from which

Subdivision of T.43 S., R.14 E.

Chains	
	Sandstone ledge, 2 ft.high, marked X BO S6, bears N., 2 lks. distant.
	Other accessories impracticable.
58.55	Base of impassable sandstone ledge about 200 ft. high, on S. point of sandstone ridge; offset
	South, 5.00 chs., then on offset line,
	East, 20.00 chs., then
	North, 5.00 chs. to true line at
78.55	The cor. of secs. 5,6,7 and 8.
	Land, rolling bench broken by sandstone outcroppings; general NW. exposure and drainage.
	Soil, loose sand and sandstone rock; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.
	S.0°03'E., bet. secs. 7 and 8.
	Over rolling bench land through short undergrowth.
40.00	Point for ¼ sec. cor. falls in wash, 1 ch. wide, 4 ft. deep, bedrock bottom, drains N.80°W. No cor. set.
42.30	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 witness cor. to the ¼ sec. cor., with brass cap marked
	W C ¼ S7 | S8 1924
	Raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.
47.00	Wash, 20 lks. wide, 4 ft. deep, drains NW.
59.50	Wash, 10 lks. wide, 4 ft. deep, drains NE.
80.00	On surface rock, mark a cross (X), over which,
	Set an iron post, 3 ft. long, 2 ins. in dia., 30 ins. in a large mound of stone for cor. of secs. 7,8,17 and 18, with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	T43S | R14E S7 | S8 S18 | S17 1924
	Deposit a stone, 10x10x6 ins., marked with a cross (X) on one face at base of monument.
	Land, rolling bench; W. exposure and drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Fair grazing.
	N.89°58'E., on a random line bet. secs. 8 and 17.
40.00	Set temp. ¼ sec. cor.
80.22	Intersect N. and S. line 9 lks. S. of the cor. of secs. 8,9,16 and 17.
	Thence
	S.89°54'W., on true line bet. secs. 8 and 17.
	Along general N. slope over broken bench land through short undergrowth.
40.11	Set an iron post, 3 ft. long, 1 in. in dia., 8 ins. in the ground on solid rock and 20 ins. in a mound of stone for ¼ sec. cor., with brass cap marked ¼ S8 / S17 1924 from which A sandstone boulder, 3x2x1 ft.,marked X BO S17 bears South, 2 lks. distant. Other accessories impracticable.
80.22	The cor. of secs. 7,8,17 and 18.
	Land, broken bench; N. exposure and drainage.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	No timber.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.

Subdivision of T.43 S.,R.14 E.

Chains	
	N.89°58'W., on a random line bet. secs. 7 and 18.
40.00	Set temp. ¼ sec. cor.
78.62	Intersect W. bdy. of the Tp. 12 lks. S. of the true point for cor. of secs. 7,12,13 and 18 heretofore described.
	Thence
	S.89°53'E., on true line bet. secs. 7 and 18.
	Over rolling and broken bench land through short undergrowth.
.25	Wash, 40 lks. wide, 2 ft. deep, in draw, drains N.85°W.
38.62	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked
	¼ S7 / S18 1924
	Raise a mound of stone, 2 ft. base, 1½ ft.high, N.of cor.
74.50	Wash, 20 lks. wide, 1 ft. deep, drains NW.
78.62	The cor. of secs. 7,8,17 and 18.
	Land, rolling and broken bench; general NW. exposure and drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	No timber.
	Undergrowth, black brush and mountain rush.
	Poor grazing.

	S.0°03'E., bet. secs. 17 and 18.
	Gradually ascend over broken bench land through short undergrowth.
20.00	Base of mesa, bears E. and W.; begin ascent over N. slope.
28.40	Wash, 20 lks. wide, 5 ft. deep, drains N.; begin ascent over precipitous N. slope.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 28 ins. in the ground for ¼ sec. cor., with brass cap marked
	¼ / S18 | S17 / 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, W.of cor.

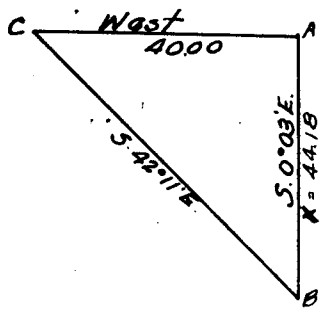
Subdivision of T.43 S.,R.14 E.

Chains

Cor. stands on steep N. slope, 510 ft. above sec. cor. and 2.00 chs. N. of the N. wall of high mesa.

The line south which ascends ledge about 400 ft. high and N. wall of mesa cannot be chained; to determine the distance to top of mesa I proceed as follows:

Return to the cor. of secs. 7, 8,17 and 18 which I designate "A" and set flag "B", S.0°03'E. on line on top of mesa, then, from "A" measure base line "AC", west, 40.00 chs.



distance to point whence line "CB" bears S.42°11'E. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation = 44.18

44.18 Top of high ledges and rim of mesa, 1250 ft. above sec. cor., bears NE. and SW.; thence over rolling mesa through dense scrub timber and short undergrowth.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 4 ins. in the ground on solid rock and 24 ins. in a large mound of stone for cor. of secs. 17,18,19 and 20, with brass cap marked

T43S	R14E
S18	S17
S19	S20

1924

from which

A pinon, 8 ins.diam.,bears N.25°E., 45 lks. dist.,marked T 43 S R 14 E S 17 B T

A pinon, 6 ins.diam.,bears S.3°E., 13 lks. dist.,marked T 43 S R 14 E S 20 B T

A pinon, 4 ins.diam.,bears N.64°W., 16 lks. dist., marked T 43 S R 14 E S 18 B T

A cedar, 6 ins.diam.,bears S.55°W., 55 lks. dist.,marked T 43 S R 14 E S 19 B T

Land, rolling and broken bench and mesa land; general NW. exposure and drainage.

Subdivision of T.43 S., R.14 E.

Chains

Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.

Timber, dense scrub cedar and pinon on S. portion of mile.

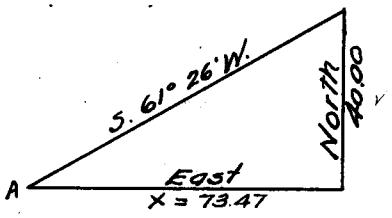
Undergrowth, black brush, amole and mountain rush.

Poor grazing.

N.89°54'E., on a random line bet. secs. 17 and 20.

6.75 Top of high ledge and break of mesa, down which I cannot chain; to determine distance east I proceed as follows:

From this point the cor. of secs. 16,17,20 and 21 is visible and bears east. Erect flag "A" on top of mesa, then from cor. of secs. 16,17,20 and 21 measure base line North, 40.00 chs.



distance to a point where flag "A" bears S.61°26'W.; all bearings taken by direct reading of the solar and angles checked by deflection.

Distance by triangulation	= 73.47 chs.
Distance on random line	= 6.75 chs.
Total	= 80.22 chs.

The true bearing of the line bet. secs. 17 and 20 therefore is West and the distance is 80.22 chs.

Thence from cor. of secs. 16,17,20 and 21.

West, on true line bet. secs. 17 and 20.(Direct measurement).

Over broken bench land through short undergrowth.

40.11 Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 12 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

$$\frac{1}{4}\ \frac{S17}{S20}$$
1924

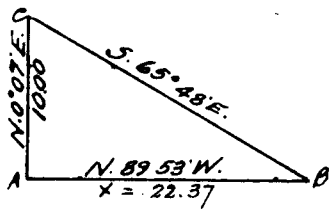
Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.

50.00 Foot of mesa, bears N. and S.; thence by triangulation to

Chains	
73.47	Top of high ledge and brink of mesa, 1280 ft. above cor. of secs. 16,17,20 and 21, bears N. and S.; thence over mesa through dense scrub timber.
80.22	The cor. of secs. 17,18,19 and 20.
	Land, broken bench, rough breaks of mesa and rolling mesa; general N. exposure and drainage.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	Timber, dense scrub cedar and pinon on W. portion of mile.
	Undergrowth, black brush and mountain rush.
	Poor grazing.

N.89°53'W., on a random line bet. secs. 18 and 19.

17.63 Top of high ledge and brink of mesa, down which I cannot chain; to determine distance to base of mesa I triangulate as follows:



Set flag "A", N.89°53'W. on random line and erect flag "B" at this point. From flag "A" measure base line "AC", N.0°07'E., 10.00 chs. distant. The line "CB" bears S.65°48'E. All bearings taken by direct reading of the solar and angles checked by deflection.

Distance on line	= 17.63 chs.
Distance by triangulation	= 22.37 chs.
Total	= 40.00 chs.

40.00 Set temp. ¼ sec. cor.

50.92 The line east passes over precipitous talus slope over which it is impracticable to chain, I therefore offset as follows:

North, 9.55 chs., then

N.89°53'W., on offset line, 78.70 chs. (counted from sec. cor.) to

78.70 Intersect W. bdy. of the Tp., 21 lks. N. of the witness cor. to the cor. of secs. 13,18,19 and 24 which is established 9.55 chs. N. of true cor. point, and

Chains	
	heretofore described.
	Thence from witness cor. to cor. of secs.13,18,19,and 24.
	N.89°58'E., on offset line bet. secs. 18 and 19.
	Over mountainous land at foot of mesa, through short undergrowth.
	At 27.78 chs., offset,
	South, 9.55 chs. to true line at
27.78	Thence N.89°58'E., on true line bet. secs. 18 and 19.
38.70	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S18 / S19 1924
	Raise a mound of stone, 2 ft.base, 1½ ft.high, N.of cor.
	Thence by triangulation to
61.07	Top of high ledge and brink of mesa, 1470 ft. above ¼ sec. cor., bearsNE. and SW.; thence over top of mesa through dense scrub timber and short undergrowth.
78.70	The cor. of secs. 17,18,19 and 20.
	Land, rough breaks of mesa and rolling mesa top; general NW. exposure and drainage.
	Soil, sandy clay loam and rocky; 4th. rate. Sandstone formation.
	Timber, dense scrub cedar and pinon on west portion of mile.
	Undergrowth, black brush, amole and mountain rush.
	Poor grazing.
	S.0°03'E., bet. secs. 19 and 20.
	Over rolling top of mesa through dense scrub timber and short undergrowth.
40.00	Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S19 | S20

Subdivision of T.43 S.,R.14 E.

Chains	
	from which
	A cedar, 4 ins.diam.,bears S.10°E., 22 lks. dist., marked BT
	A pinon, 4 ins.diam.,bears N.75°W., 25 lks. dist., marked ¼ S 19 B T
66.50	Wash, in shallow draw, drains NW.
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. 19,20,29 and 30, with brass cap marked

T43S	R14E
S19	S20
S30	S29

1924

from which

A pinon, 6 ins.diam.,bears N.31½°E., 19 lks. dist.,marked T 43 S R 14 E S 20 B T

A pinon, 6 ins.diam.,bears S.71½°E., 17 lks. dist.,marked T 43 S R 14 E S 29 B T

A pinon, 6 ins.diam.,bears S.80°W., 18 lks. dist.,marked T 43 S R 14 E S 30 B T

A cedar, 6 ins.diam.,bears N.41¼°W., 65 lks. dist.,marked T 43 S R 14 E S 19 B T

Land, rolling mesa; drains NW.

Soil, sandy and rocky of sandstone formation; 4th. rate.

Timber, scrub cedar and pinon.

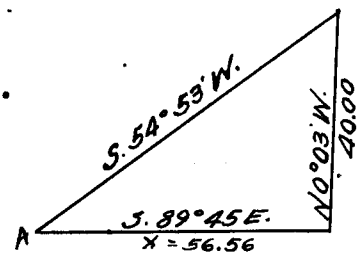
Undergrowth, black brush, amole and mountain rush.

Poor grazing.

East, on a random line bet. secs. 20 and 29

23.74 Rim of mesa and top of high ledge walls, down which I cannot chain; to determine the distance East, I proceed as follows:

From this point the cor. of secs. 20,21,28 and 29 is plainly visible and bears S.89°45'E. Erect flag "A" on rim of mesa, then from the cor. of secs.



Chains

20.21,28 and 29 measure a base line N.0°03'W., 40.00 chs. distant. From N. end of base flag "A" bears S.54°53'W.; all bearings taken by direct reading of the solar and angles checked by deflection.

Distance on random line	=	23.74 chs.
Distance by triangulation	=	56.56 chs.
Total	=	80.30 chs.

The bearing of the line bet. secs. 20 and 29 therefore is N.89°50'W., and the distance is 80.30.chs.

Thence from the cor. of secs. 20,21,28 and 29.

N.89°50'W., on true line bet. secs. 20 and 29. (Direct measurement)

Gradually ascend over broken, rocky bench land through short undergrowth.

24.00 Wash, 30 lks. wide, 2 ft. deep, drains NE.

35.29 The point for ¼ sec. cor. will fall on precipitous break of mesa where it is impracticable to establish cor., therefore, at this point,

Set an iron post, 3 ft. long, 1 in. in dia., 20 ins. in the ground on solid rock and 10 ins. in a mound of stone for witness cor. to the ¼ sec. cor., with brass cap marked

WC¼ S20 / S29 1924

from which

A sandstone boulder, 6x8x4 ft., marked X BO S20 bears N.20°E., 7 lks. distant.

Other accessories impracticable.

Cor. stands at foot of precipitous ascent of mesa, bears NW. and SE.

40.15 Point for ¼ sec. cor. on steep slope of mesa and unsafe ground. No cor. set.

Thence by triangulation to

56.56 Point of triangulation on top of ledge and rim of mesa, 1420 ft. above cor. of secs. 20,21,28 and 29, bears NW. and SE.; thence over top of mesa through dense

Subdivision of T. 43 S., R. 14 E.

Chains	
	& scrub timber and short undergrowth.
80.30	The cor. of secs. 19,20,29 and 30.
	Land, broken bench, rough breaks of mesa and rolling mesa; general N. exposure and drainage.
	Soil, sandy and rocky sandstone formation; 4th. rate.
	Timber, dence cedar and pinon on west portion of mile.
	Undergrowth, black brush and mountain rush; poor grazing.

	S. 89°58'W., on a random line bet. secs. 19 and 30.
40.00	Set temp. ¼ sec. cor.
72.83	The line west passes over impassable cliffs over which I can not chain. I therefore offset as follows.
	North, 5.24 chs. then
	S. 89°58'W., on offset line, 78.82 (counted from sec. cor) to
78.82	Intersect W. bdy. of the Tp. 23 lks. S. of the witness cor. to the cor. of secs. 19,24,25 and 30 which is established 5.24 chs. N. of true cor. point and heretofore described.
	Thence from witness cor. to cor. of secs. 19,24,25, and 30.
	S. 89°52'E., on offset line bet. secs. 19 and 30.
	Over breaks of canyon and rolling mesa land, through scrub timber and short undergrowth.
	At 5.99 chs., offset,
	South, 5.24 chs. to true line at.
5.99	Thence S. 89°52'E., on true line bet. secs. 19 and 30.
38.82	On surface rock, mark a cross (X), over which
	Set an iron post, 3 ft. long, 1 in. in diam., 30 ins. in a large mound of stone for ¼ sec. cor., with brass cap marked

S19
¼---------
S30
1924

from which

A pinon, 6 ins. diam., bears S. 17½°E., 44 lks. dist., marked ¼ S 30 BT

A cedar, 6 ins. diam., bears N. 68°W., 37 lks. dist., marked ¼ S 19 B T

Chains
78.82 The cor. of secs.19,20,29 and 30.

Land,broken and rolling mesa;general NW.exposure.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scrub cedar and pinon.

Undergrowth, black brush and mountain rush; poor grazing.

S. 0°03'E., bet. secs. 29 and 30.

Over rolling mesa land through dense crubby timber and short undergrowth.

23.10 Wash 20 lks. wide, 10 ft. deep. drains W.

40.00 Set an iron post, 3 ft. long 1 in. in diam., 5 ins. in the ground on solid rock and 24 ins. in a large mound of stone for ¼ sec. cor.,with brass cap marked

¼
S30 | S29
1924

from which

A pinon, 6 ins. diam.,bears N.22°E.,13 lks. dist., marked ¼ S 29 BT

A pinon, 8 ins. diam., bears S. 79°W., 16 lks. dist.,marked ¼ S 30 B T

48.40 Draw, drains W.

80.00 Set an iron post, 3 ft. long, 2 ins. in dia., 14 ins. in the ground on solid rock and 14 ins. in a mound of stone for cor. of secs. 29,30,31 and 32, with brass cap marked

T43S R14E
S30 | S29
S31 | S32
1924

From which

Face of sandstone ledge, marked X B O S29, N. 26°E., 8 lks. dist.

A pinon, 4 ins. diam., bears S.35°E., 18 lks. dist., marked T43SR14ES32BT

Face of sandstone ledge, marked X B O S 31 bears S. 46°W., 7 lks. distant.

Other accessories impracticable.

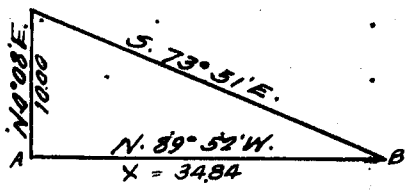
Land, rolling mesa, drains NW.

Subdivision of T.43 S.,R.14 E.

Chains	
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, scrub cedar and pinon.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	S.89°50'E., on a random line bet. secs. 29 and 32.
40.00	Set temp. ¼ sec. cor.
80.28	Intersect N. and S. line 40 lks. S. of the cor. of secs. 28,29,32 and 33.
	Thence
	S.89°53'W., on true line bet. secs. 29 and 32.
	Ascend precipitous E. breaks of mesa over sandstone ledges and boulders.
16.35	Top of ledge and brink of mesa, 1000 ft. above sec. cor., bears NW. and SE.; thence over rolling mesa through dense scrub timber and short undergrowth.
40.14	Set an iron post, 3 ft. long, 1 in. in dia., 14 ins. in the ground on solid rock and 14 ins. in a mound of stone for ¼ sec. cor., with brass cap marked
	¼ S29 / S32 1924
	from which
	A pinon, 10 ins.diam.,bears N.56°E., 30 lks. dist.,marked ¼ S 29 B T
	A pinon, 12 ins.diam.,bears S.38°E., 28 lks. dist.,marked ¼ S 32 B T
77.30	Wash, in small draw, drains SW.
80.28	The cor. of secs. 29,30,31 and 32.
	Land, rough breaks of mesa on E.16.35 chs. and rolling top of mesa on remainder of mile.
	Soil, sandy clay loam and rocky of sandstone formation; 4th. rate.
	Timber, dense scrub cedar and pinon on W.63.93 chs.
	Undergrowth, black brush and mountain rush.
	Poor grazing.

Subdivision of T.43 S., R.14 E.

Chains	
	N.89°52'W., on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
50.23	Top of high ledge and break of mesa, down which I cannot chain; to determine the distance west on line I triangulate as follows:
	Set flag "A" on line N.89°52'W., opposite the witness cor. to the cor. of secs. 25, 30, 31 and 36 on W. bdy. of the Tp. and erect flag "B" at this point. From flag "A" measure a base line N.0°08'E., 10.00 chs. distant to a point whence flag "B" bears S.73°51'E. All bearings taken by direct reading of the solar and angles checked by deflection.



Distance on random line	= 50.23 chs.
Distance by triangulation	= 34.84 chs.
Total distance	= 85.07 chs.

85.07	Fall 26 lks. N. of the witness cor. to the cor. of secs. 25,30,31 and 36 on the W. bdy. of the Tp. heretofore described and which is 6.10 chs. west of the true cor. point. True point for cor cannot be reached.
	The course and distance of the line bet. secs. 30 and 31 therefore is N.89°57'E., 78.97 chs.
	Thence
	N.89°57'E., on true line bet. secs. 30 and 31 counting distances from true cor. point.
	Ascend precipitous break of mesa over high sandstone ledges.
28.74	Point of triangulation on rim of mesa, 600 ft. above point for sec. cor., bears NW. and SE.; thence over broken mesa along S. slope of canyon through scrub timber and short undergrowth.
38.97	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a mound of stone for ¼ sec. cor., with brass cap marked

Subdivision of T.43 S.,R.14 E.

Chains	
	$\frac{1}{4}$ S30 / S31 1924
	from which
	A sandstone boulder, marked X BO S 30, bears N.89°E., 26 lks. distant.
	A cedar, 8 ins.diam.;bears South, 17 lks. dist., marked BT
58.50	Rim of canyon, bears NW. and SE.; thence over rolling mesa land.
78.97	The cor. of secs. 29,30,31 and 32.
	Land, rugged breaks of mesa and rolling mesa; general W. exposure and NW. drainage.
	Soil, sandy and sandstone rock; 4th. rate.
	Timber, scrub cedar and pinon.
	Undergrowth, black brush and mountain rush.
	Poor grazing.
	S.0°03'E., on true line bet. secs. 31 and 32.
	Over broken top of mesa through dense scrub timber and short undergrowth.
.20	Wash, 20 lks. wide, 6 ft. deep, drains SW.; gradually ascend.
16.80	N. rim of canyon, bears N.80°W. and S.80°E.; descend.
29.25	Bottom of canyon, 175 ft. below rim, drains W.; ascend.
36.60	Spur, projects W.; descend abruptly.
40.00	Point for $\frac{1}{4}$ sec. cor. falls on break of canyon and on unsafe ground. No cor. set.
49.80	Set an iron post, 3 ft. long, 1 in. in dia., 4 ins. in the ground on solid rock and 24 ins. in a mound of stone for witness cor. to the $\frac{1}{4}$ sec. cor., with brass cap marked
	W C $\frac{1}{4}$ / S31 | S32 / 1924
	from which

Subdivision of T.43 S.,R.14 E.

Chains

Sandstone ledge, marked X BO S32, bears East, 26 lks. distant.

A pinon, 8 ins.diam.,bears N.69°W., 26 lks. dist.,marked W C ¼ S 31 B T

50.75 Bottom of wash, in canyon, drains W.; ascend.

80.30 Top of ledge and S. rim of canyon, 150 ft. above wash, bears NW. and SE.; thence over mesa.

81.70 Intersect Utah-Arizona State Boundary Line, 14.91 chs., N.89°50'E. of the 202nd. mile cor. heretofore described.

At point of intersection,

Set an iron post, 3 ft. long, 2 ins. in dia., 12 ins. in the ground and 12 ins. in a mound of stone for closing cor. of secs. 31 and 32, with brass cap marked

U
C C
T43S | R14E
S31 | S32

A
1924

from which

A pinon, 8 ins.diam.,bears N.41°E., 10 lks. dist.,marked T 43 S R 14 E S 32 C C B T

Face of sandstone ledge, marked X BO S 31, bears N.38½°W., 13 lks. distant.

Land, rough, broken mesa; general NW. exposure and drainage.

Soil, sandy and sandstone rock; 4th. rate.

Timber, scrub cedar and pinon.

Undergrowth, black brush, amole and mountain rush.

Poor grazing.

Boundaries of T.43 S.,R.14 E.

Latitudes, departures and closing errors.

Lines designated		True bearing	Dist-ances	Latitudes N	Latitudes S	Departures E	Departures W
			chs.	chs	chs.	chs.	chs.
W.bdy.T.43S	R14E	South	481.59		481.59		
S.bdy	"	N.89°46'E	64.21	.26		64.21	
"	"	N.89°50'E	80.10	.23		80.10	
"	"	N.89°58'E	79.51	.05		79.51	
"	"	N.89°51'E	78.47	.21		78.47	
"	"	N.89°45'E	82.14	.35		82.14	
"	"	S.89°54'E	77.82		.14	77.82	
"	"	S.89°54'E	17.23		.03	17.23	
E.bdy.	"	North	480.19	480.19			
N.bdy.	"	West	478.20				478.20
Convergency							.55
		Totals		481.29	481.76	479.48	478.75
					481.29	478.75	
		Error in latitude			.47		
		Error in departure				.73	

GENERAL DESCRIPTION

This township contains two distinct varieties of land, rolling bench or valley broken by sandstone outcroppings and isolated buttes and high mesa land which rises 1000 to 1500 ft. above the valley. The elevation of the township ranges from 5000 ft. above sea in the valley at the northeast cor. of the township to 6500 ft. in the southwest portion and has a general N. exposure. The drainage is northeast through Moonlight Wash in the east half and northwest toward Copper Canyon in the west half of the township.

The soil is chiefly a loose sand in the valley, gray

General Description.

sandy clay loam on the mesa slopes and sandy on the mesas, all of which lies on bedrock which is close to the surface and in places covers large areas on the surface. With the soil there is considerable soft sandstone rock which disintegrates rapidly and on the slopes and near the base of the mesas the surface is strewn with sandstone boulders.

A rather dense growth of scrub cedar and pinon timber is found on the mesas while in the valley the soil supports only a short growth of black brush, amole and mountain rush brush.

Water is very scarce in the township and is found only in small quantities in pockets along Moonlight Wash which carries the drainage of the east half of the township.

Several roads from Luff to Moonlight, Utah traverse the towsnhip and all lead to the Crammer Trading post situated in sec. 24 of this township.

A small tract of cultivated land owned by Hugh O'Niel is situated in the NW¼NW¼ sec. 13 and the SW¼ sec. 12. No extensive improvements have been made on this tract of land.

We did not note any indications of mineral in the township.

No magnetic declination was taken on account of defective needles.

This township is best adapted for winter or early spring grazing for sheep and cattle.

BOOK A-476

4 - 680

FIELD ASSISTANTS.

NAMES	CAPACITY
Pryor Wurtsbaugh	1st. Chainman
Cleveland Hunter	1st. Chainman
Elliot Tuttle	2nd.Chainman
Merle Windbourne	2nd, Chainman
Charles Sleeper	2nd. Chainman
Henry Snyder	2nd. Chainman
Robert Reseigh	Flagman
Jay Powell	Flagman
Max. Brown	Cornerman
Roy Knowles	Cornerman

BOOK A-476

CERTIFICATE OF UNITED STATES SURVEYORS

We Chas. F. Moore 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 24th. day of September 1923, we have well, faithfully, and truly 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 Retracement of the Utah-Arizona State Boundary Line between the 201st. and 207th. mile corners; survey of the west boundary and subdivision of T.43 S., R. 14 E.

of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes and date diagram as having been executed by us, and under our direction on dates shown on diag 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:

Prayenta Ariz June 7th-1925

Chas. F. Moore
U. S. Surveyor

Salt Lake City, May 19, 1925

Willis W Bandy
U. S. Surveyor

APPROVAL.

OFFICE OF THE UNITED STATES Supervisor of Surveys,

Denver, Colorado. April 18, 1927, 191

The foregoing field notes of the survey of the retracement of the Utah-Arizona State Boundary Line between the 201st and 207th mile corners; survey of the west boundary and subdivision of T. 43 S., R. 14 E., S. L. B. & M.,

executed by Chas. F. Moore and Willis W. Bandy, U. S. Surveyors,

under special instructions dated September 24, 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.

Frank M. Johnson
U. S. 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.~~

~~U. S. Surveyor General.~~

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