BOOK-A-171

R.

Filed October 23rd 1880.

Examined by F. C. Bailey

Compared by " " " & C. E. S.

FIELD NOTES

Re-

OF

THE SURVEY OF THE

West, South, East & North Boundaries.

of Township No. 17 S., Range No. 9 E.

of the Salt Lake Meridian in Utah Territory.

Retraced

BY

Augustus S. Farrow.

U. S. DEPUTY SURVEYOR,

Under his Contract No. 94

dated August 16th 1880

Survey commenced Sept 14th 1880

Survey completed Sept. 18th 1880.

23

BOOK-A-171

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23

BOOK-A-171

These go with Resurvey of Exteriors Tp 17 S. R 9 E

which you are to get

FOR CHAINMAN.

3

We Charles Bird

and Peter Vestergaard

do solemnly swear that we will faithfully execute the duties of chain carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we asssist in measuring, to the best of our skill and ability, —

Charles Bird

Peter Vestergaard

Subscribed and sworn to before me this 17th day of September 1880

A. D. Finn

U. S. dep. Surveyor

BOOK-A-171

FOR FLAGMAN.

I, Andrew C Nelson

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

Andrew C Nelson

Subscribed and sworn to before me this 17th day of September 1880

A. D. Simon

U. S. Dep. Surveyor

BOOK-A-171

FOR AXEMAN

7

We, William R. Johnson
and Joseph Humphrey

do solemnly swear that I will well and truly perform the duties of axeman, according to instructions given me, and to the best of my skill and ability William R. Johnson

Joseph M. Humphrey

Subscribed and sworn to before me this 17th day of September 1880

A. H. Tenn
U. S. Dep. Surveyor

500

2006

2870

4004

BOOK-A-171

Resurvey of Ext 9 Tp 17 S. R 9 E.

2 Guide meridian W Bnd Tp 17 S R 9 E

Survey Commenced Sep 17th 1880
Having tested my instrument a Gurley Solar Compass on a meridian obtained by an observation of Polaris and found in adjustment - I Commence at the Cor to Tp's 16 & 17 S. R 8 & 9 E - on the 2d Guide Meridian East, the Cor agreeing with the description furnished me by the office Viz: a sand stone 19 x 15 x 15 5 ft at base & 3 ft high I Re survey South bet Sec's 1 & 6.

Var 16° 35' E.

5.00 Wash drains SE, Hollow drains S.E.
20.00 Enter low hills, leave high bench
28.50 Wash drains SE
40.04 Original Cor in place (sand stone 12 x 12 x 10) properly marked & set.

Re. survey of
West Boundary of 175 R. 3 West

Erect reg mound of Earth & pits for 1/4 Sec. Cor.

4300 Hollow drains S.E.

5100 " " "

6350 Trail bears NW & S.E.

7250 Ravine drains S.W.

8006 Original Cor in place Sand stone 12×9×7) properly marked & set; erected reg. mound of earth & pits for Cor to Secs 1-6, 7 & 12.

Land broken Mountain
Soil 1st rate
No Timber

Resurvey

South bet Secs 7 & 12
Var 16° 35' E.

1500 Wash drains NE.

1875 Enter Hollow drain SW

T

Re-Survey of
West Boundary Tp. 17 South R. 9 East

22.00 Leave Same
35.00 Enter flat
40.00 Old Cor. in place (Sand stone 12x10 x 6) erected reg. mound of earth & pits for 1/4 sec. Cor
45.00 Wash drains S.W.
52.50 " " "
62.00 Leave flat bears NE & SW
63.50 Ridge bears SW
65.00 Leave Hills
71.00 Ditch runs E. Enter Cultivated land.
76.50 Leave Same
80.00 Old Cor. in place (Sand stone 12x12x4) erected reg. mound of earth & pits for Cor. to sec's 7-12-13 & 18-
Land mostly level
Soil 1st rate
No Timber

Re-Survey of
Mid Boundary T. 17 S. R. 9 E

Re Survey.

South bet Secs 13 & 18.

Var 16° 35' E.

2.50 Wash drains W. & E.

7.50 " " N. & E.

15.40 Woodwards house bears S. 71° 7' W.

28.40 Road bears NW & SE.

31.40 Wash drains N & E.

40.00 Old Cor. in place (Stand Stone 12x8 x 7) erected Stone mound for 1/4 sec Cor. from which Elias Cox Corral bears S. 37° 30' E. Elias Cox's house bears S. 38° 45' E. William Woodwards house bears N 29° 45' W. Allan Shermans " " S. 39° 45' W.

46.70 A Shermans house bears S 54° 20' W

Cox's Corral bears S. 60° 45' E.

" House " S. 62° 10' E

47.50 Enter bottoms

53.00 Bend of Huntington Creek 75 Lks wide

J

Re-survey of
West boundary T. 17 S. R. 9 E.

2 ft deep, runs SW. heads NW.

55.00 Huntington Creek 75 lks wide 18 in deep runs N.E. ~~[illegible]~~

57.50 Slough bears NE & SW

58.00 Leave bottom

61.00 Gulch drains E.

73.25 Ridge bears E & W.

80.00 Old cor in place (Quartz 12 x 12 x 10) erected reg. mound of earth & pits for cor to sec's 7-12. 13 & 18.

Land level

Soil 1st rate

No Timber

Re-survey.

South bet sec's 19 & 24.

Var 16° 35' E.

17.50 Ridge bears E & W.

40.00 Original Cor in place (sand stone 12 x 10 x 8) erected reg. mound of earth & pits for 1/4 sec. Cor.

6.

Mst Boundary of
T. 17 S. R. 9 E. 14 Re-survey

4450 Road bears E & W

7300 " " NE & SW

8000 Original Cor. in place (Quartz 13 x 10 x 10) erected stone mound for Cor to sec's 19-24-25 & 30.

Land level

Soil 1st rate

No Timber

Re Survey

South bet Sec's 25 & 30

Var 16° 35' E.

250 Wash drains SE

2450 Enter flat bears E & W

2850 Ridge bears E & W

4000 Old Cor. in place (sand stone 12 x 9 x 5) erected neg. mound of earth & pits for 1/4 sec Cor.

8000 Old. Cor in place (lime stone 12 x 8 x 6.) 8 in deep. erected

Re Survey of
Bnd Boundary of 17 S. R. 9 E.

Stone mound for Cor to secs 25, 30
31 & 36.

Land mostly level
Soil 1st rate
No Timber.

Re Survey.
Southbet Secs 31 & 36.
Var 16° 35' E.

3150 Wash drains SE
3650 " " "
4000 Original Cor in place (Limestone
13 x 11 x 4) erected reg mound
of earth & pits for 1/4 sec Cor
6050 Wash drains SE
6550 " " "
7300 " " "
8000 Original Cor in place (Sandstone
12 x 8 x 7 with stone mound for) Cor to
Tps 17 & 18 S. R 8 & 9 E.

Re-survey
16
South Boundary of Tp 17 S R 9 E

Land level
Soil 1st rate
No Timber

South boundary of Tp 17 S
R. 9 E. Resurvey
E. bet Secs 6 & 31
Var 16° 45' E.

40.00 Old Cor. in place (Sandstone 14x8 marked 1/4 W. x6) ^ erected, reg mound of earth & pits for 1/4 Sec Cor.

44.00 Buckhorn Wash drain SW

80.00 Set Sand Stone 12x8x8 in deep marked S notches on W & N on E edge with stone mound for Cor to Secs 1, 6, 5 & 32.

Land level flat
Soil 1st rate
No Timber.

V

040
1700
2550
3300
3927
4000
4350
5500
5850
7980
8000

BOOK-A-171 Resurvey of 9 17
South Boundary Tp, 17 S R 9 E

Resurvey.
East bet Sec's 5 & 32.
Var 16° 45' E.

050 Wash drains S E.
1700 Irrigation ditch drains NE
2550 Irrigation " " " on
westedge of Cultivated land
3300 Leave Cultivated land
3927 Irrigation ditch drains N.E.
4000 Old Cor in place (sand stone 12×8
×6.) erected reg. mound of earth
& pits for 1/4 sec Cor
4350 Irrigation ditch drains S.E.
at foot of Bench Leave Flat.
5500 Irrigation ditch drains South
5850 Road bears N & S.
7980 Road " NW & SE.
8000 Old Cor in place (sand stone
13×8×5) and erected stone
Mound for Cor to Sec's 4, 5, 32 & 33

18 Re Survey of South Boundary of T17 R96

Land level flat
Soil 1st rate
No Timber

Re Survey
East bet Sec's 4 & 33
Var 16°45' E.

325 On top of Bench S.C. Duvellirgoes house bears S 30°31 E.
1.84 lks dist

600 Irrigation ditch at foot of Bench runs S.

1150 Wash drains S.E.

1350 Irrigation ditch on Wedge of Cultivated Land runs S.

1850 Irrigation ditch on S edge of Cultivated land runs S.E.

2000 Irrigation ditch runs S E

2350 " " " S.

2900 " " " N.E.

BO
Conc

3100 1
4000
4850
5086 1
5100
7900
8000

Re-Survey of 19

BOOK-A-171

Sonoma Boundary Tp. 17 S R 9 E

3100 Road bears N & S.

4000 Old Cor in place (sand stone 13 x 7 x 6.) erected reg mound of earth & pits for 1/4 sec Cor.

4850 Leave cultivated land

5086 R W Johnson house bears S. 66°10' W. 117 lks dist. NE Cor of Corral bears S 10°55' W. 105 lks dist

5100 Huntington Creek 50 lks wide 2 ft deep runs S.E. Enter heavy undergrowth

7900 Leave Huntington bottoms

8000 Old Cor in place (sand stone 12 x 9 x 7) erected reg mound of earth & pits for Cor to secs 3, 4, 33 & 34

Land mostly Cultivated

Soil 1st rate

No Timber

20 Re-survey of
South Boundary of T 17 S R 9 E.

Resurvey.
East bet Sec's 3 & 34
Var 16° 45' E.

1500 Foot of higher bench
4000 Old cor in place (sandstone 12 + 9 × 5) erected reg mound of earth & pits for 1/4 sec. Cor.
7250 Enter hollow drains sw
8000 Old Cor in place (sandstone 13 × 9 × 6) erected reg. mound of earth & pits for Cor to sec's 2, 3, 34 & 35.
Land mostly level & rolling
Soil 1st rate
No Timber

Resurvey
East bet Sec's 2 & 35
Var 16° 45' E.

8.00 Wash drains S. ✓

B
Tm
11.00
4000
4700
5300
6300
7450
8000
205
23

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Re Survey of 21 13 21
Fifth Boundary T17S R9E

1100 Enter low Hills bears NW & SE
4000 Old Cor in place (Sand stone 12×9
×6) erected reg mound of
earth & pits for 1/4 Sec. Cor.
4700 Wash drains S.
5300 " " SW.
6300 Main Wash " SW
7450 Wash drains NW
8000 Leave flat. Ascend - Old Cor
in place (sand stone 12×9×7)
erected Stone Mound for Cor to
Sec's 1, 2, 35 & 36.
Land level, flat & hill
Soil 1st rate
No Timber

Re Survey
East bet Sec's 1 & 36
Var 16 0 45 E
2050 S. point of low ridge
2350 Gulch drains N.

2650 Enter Hollow

4000 On West edge of wash
Old Cor in place (Sand stone
12×9×7) erected reg mound
of earth & pits for 1/4 sec. Cor

5050 Leave Hollow

8000 Old Cor. in place (sand stone
15×6×6) rebuilt stone mound
for Cor to Twp's 17 & 18 S. R 9 &
10 E.

Land mostly heavy hills
Soil 1st rate
No Timber Sep 17, 1880

Note. At this point took North Star
and found my instrumental
Meridian to agree with
My Observation

From Cor to Twp 17 & 18 S.
R 9 & 10 E — Re Survey

E B

4000

5000

6450

8000

300

105

BOOK A-171 — Re-survey of T. 17 S. R. 4 E.

North bet Secs 31 & 36
Var 16° 45' E.

40.00 Old Cor. in place (sandstone 10x9x9) erected reg. mound of earth & pits for 1/4 sec Cor.
50.00 Enter Hills
64.50 Wash hollow drains NW
80.00 Old Cor in place (sand stone 11x9x6) erected reg. mound of earth & pits for Cor to secs 25, 30, 31 & 36.
Land Bench & Hills
Soil 1st & 3d rate
No Timber

Re-Survey
North bet Secs 25 & 30
Var 16° 45' E.

3.00 Wash drains SW
10.50 Ridge Crest NE & SW

Re-Survey of
E.B.Th. 17 S R 9 E

15.00 Road beam NW & S.E.
3400 Hollow drain N.W.
40.00 Old Cor in place (sandstone 9x9x8.)
erected stone mound for 1/4 sec Cor.
47.40 Hills bears W
7400 Leave hills Enter Bench
80.00 Old Cor in place (sand stone
11x11x9.) erected stone mound
for Cor to sec's 19. 24 25 & 30
Land Hills
Soil 3d rate
No Timber

Re Survey
North bet. sec's 19 & 24
Var 16° 45' E
2950 Wash drain NW
40.00 Old Cor in place (sand stone
10x10x9) erected reg. mound
of earth & pits for 1/4 sec Cor.

Re Survey of 25
East Mindy T. 17 R. 9 E.

BOOK-A-171

8000 Old Cor in place (Sandstone 20 x 8 x 7) erected reg mound of earth & pits for Cor to Sec's 13, 18, 19 & 24

Land level

Soil 1st rate

No Timber

Re Survey

North bet Sec's 13 & 18.

Var 16° 45' E.

2000 Wash drains S.E.

4000 Old Cor. in place (Sandstone 11 x 9 x 6.) erected stone mound for 1/4 sec. Cor.

4900 leave flat.

6000 " Bench point

6750 Wash drains E.

7750 " " E.

8000 Old Cor in place (Limestone 12 x 9 x 8)

Re-survey of
East Boundary Tp. 17 S R 9 E

erected Stone mound for Cor to
Secs 7-12-13 & 18.
Land mostly level
Soil 1st rate
No Timber

Re-Survey
North bet Secs 7 & 12
Var. 16° 35' E.

40.00 Old cor in place (sand stone
11 x 9 x 6) erected stone mound
for 1/4 Sec. Cor
44.50 Hollow drains E.
55.00 Enter flat.
80.00 Old cor. in place (Lime stone
12 x 7 x 7) erected stone mound
for Cor. to Secs 1-6. 7 & 12
Land level
Soil 1st rate
No Timber

Re-survey of
BOOK-A-171 27
East [illegible] T. 17 S R 9 E 27

Resurvey
North bet. Sec's 1 & 6.

050 Gulch drains SE

1000 Enter lower Bench

1500 Enter flat.

4000 Old Cor in place (sand stone 10 x 9 x 7) erected reg. mound of earth & pits for 1/4 sec Cor

6850 Wash drains SE.

8000 Old Cor. in place (sand stone 12 x 9 x 6-) rebuilt mound of Stone for Cor to Twp's 16 & 17 S. R 9 & 10 E.

Land level soil 1st Rate
No Timber

No Bndry
7p 17th p.p.E Re-survey of
28

Resurvey
West bet. Sec's 1 & 36.
Var 16° 30' E.

2150 Wash drains S.E.
4000 old Cor. in place (sand stone 11×10×5) erected reg mound of earth & pits for 1/4 sec Cor.
7300 Leave Flat.
8000 Old Cor. in place (Sand stone 11×9×9) erected stone mound for Cor to Sec 1, 2, 35 & 36.
Land level
Soil 1st rate
No Timber

Resurvey
W. bet secs 2 & 35
Var 16° 30' E.

1550 Enter wash, drains NE & heads W.
2240 Leave Same

B
No.
3300
3350
4000
5850
8000
200
235
24
28

BOOK-A-171 Re Survey of 21
Ford Study 24 17 S R 9 E 29

3300 Trail bears NW & SE.
3350 Gulch drains S.E.
4000 Old Cor. in place (Sand stone 14 x 10 x 5) erected Stone mound for 1/4 sec. Cor
5850 Gulch drains SE
8000 Old cor. in place (sand stone 13 x 8 x 5 erected reg mound of earth & pits for Cor to sec's 2, 3, 34 & 35
Land level
Soil 1st rate
No Timber

Re Survey.
W. bet sec's 3 & 32 + 34
Var 16° 30' E.
2000 Enter gulch heads N.
2350 Leave same
2425 Trail bears NE & SW. Gulch drains SW
2800 Leave bench bears NW & SE

Re-survey of
30
North Mon Day 17 S R 9 E

36.50	Ridge bears N & S.	40.00
40.00	Old Cor. in place (sandstone 11×10×9) erected stone mound for 1/4 sec. Cor.	46.00
43.50	Hollow drains SE	52.50
57.00	Road bears N & S	63.00
60.00	Enter flat	68.50
64.25	Road bears NE & SW	76.50
74.00	Wash drains SW	80.00
80.00	Old Cor in place (Limestone 11×10×7) erected stone mound for Cor to Sec's 3, 4, 33 & 34	

Land broken
Soil 1st rate
No Timber

Re Survey
West bet Sec's 4 & 33
Var 16° 30' E

28.50	Enter higher bench	7.00
		18.0
		22.0

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Re-Survey of 23

31

North boundary 13 & R 9 E

40.00 Old Cor. in place (sand stone 16×9×5) erected stone mound) for 1/4 sec. Cor -

46.00 Gulch drains SW

52.50 " " N

63.00 Leave Bench.

68.50 Enter flat.

76.50 Wash drains S.

80.00 Old Cor. in place (sand stone 13×11×9 - & erected reg. mound of earth & pits for Cor to Secs 4, 5, 31 & 32

Land level

Soil 1st rate

No Timber

Re Survey

W. Bet Secs. 5 & 32

Var - 16.30 [illegible]

7.00 Road bears NE & SW

18.00 Trail " " "

22.00 Wash drains SW

Re-survey of
4 North Bdy Tp 17 S R 9 E

3100 Wash drains SW; 3000

4000 Old cor in place (sandstone 11×10×9) 3100

erected reg. mound of earth & pits 4000

for 1/4 sec Cor.

4100 Enter heavy greasewood

4700 Wash drains SE. 4700

6500 Leave greasewood 4900

7250 Low small Ridge bears NW & SE 7908

7950 Cedar Wash drains S. E., Dry bed of small Creek

8000 old Cor in place (sand stone 15×9×6)

erected reg mound of Earth &

pits for Cor to secs 5, 6 31 & 32

Land mostly flat Note

Soil 1st rate

No Timber

Resurvey.

West bet secs 6 & 31.

Var 16° 35' E.

1400 Leave flat

1500 Point of Low ridge bears SE

3000 Enter Hollow.

3100 Wash drains S.E.

4000 Old Cor in place (sandstone 12×10×9- erected reg mound of earth & pits for 1/4 sec Cor

4700 Leave Hollow

4900 Enter Bench

7908 The Cor. to Tps 16 & 17 S Range 8 & 9 E on Guide Meredian Land high Bench Soil 1st rate No Timber Sept 18 1880

Note For General Discription see Subdivisionnotes of this Tp.

A D Ferrin
U.S.D.Sp. Surveyor

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9 1880

The foregoing field notes of the re survey of the Exterior boundaries of

Township No 17 S Range No 9 E.

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Ferrin

Under his contract No 97

of the 16 day of Aug 1880,

in the month of Sept. 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Jno. Salmon

U. S. Surveyor General for Utah.

Copied

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R: Subs 17S 9E

37

Filed October 23rd 1880.

Examined by T. C. Bailey

Compared by " " & C. E. Salmon

FIELD NOTES

OF

THE SURVEY OF THE

Subdivisions,

of Township No. 17 South, Range No. 9 East

of the Salt Lake Meridian in Utah Territory.

BY

A. D. Ferron,

U.S. Deputy Surveyor.

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97.

dated August 16th 1880

Survey commenced Sept 20th 1880

Survey completed Sept 25th 1880.

24

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39

Subs. T/p 17 S. R. 9 E.

Note:-

The instrument used in the subdivision of this Township, is a Gurley Solar Compass, examined and proved by the U. S. Surveyor General, Sep. 4th, 1880. Having again tested this instrument on a meridian obtained by an observation of Polaris; instructed and sworn my men as to their duties, I commenced the survey Sep. 20th, 1880.

From the Cor. to sec's 35 and 36 on the South Boundary of the T/p a sand stone 12 x 9 x 7 in ~~which~~ properly marked, which agrees with the description furnished me by the Office. - I run

~~North bet sec's 35 & 36~~

40

Subs Twp. 17 S. R 9 E

N. Bet secs. 35 & 36.
Var. 16° 30' E

11.50 Wash drains N.E.

16.00 " " " "

23.50 " " W.

24.50 Trail bears E & W.

25.00 Wash drains W

34.00 " " S.W.

38.00 " " S.W.

40.00 Set cobble stone 8x8x8 - 5 in deep. marked 1/4 on W side with reg. mound of earth & pits, for 1/4 sec. Cor.

56.00 Wash drains S.W.

80.00 Set sand stone 14x6x5 9 in deep (Wash left) Marked notch on S & E edges. with reg mound of Earth & pits for Cor to secs 25, 26, 35 & 36.

Land broken Bench

Soil 1st & 2d rate
No Timber

S. L. Meridian 41

East on random line
Bet. Secs 25 & 36.
Var 16° 30' E.

11.00	Leave Bench, Ascend
13.50	Wash in hollow drains, S.W.
20.00	" " " " "
26.00	Trail bears NW and S.E.
40.00	Set temp. 1/4 Sec. Cor.
77.00	Wash drains S.W.
80.16	Intsct E. Boundary of Tp at Cor to Secs 25 & 26, from which West on true line bet. Secs 25 & 36.
40.08	Set Cobble stone 12 x 8 x 6 8 in deep marked 1/4 on N side with regulation Mound of earth & pits for 1/4 sec. Cor.
80.16	The Cor to Secs 25, 26, 35 & 36. Land broken hills. Soil 2d rate. No timber Mountainous on 6 & 9 Chs.

Subs Twp 17 S Rg E

North bet Secs 25 & 26.
Var 16° 30' East.

34.00 Low ridge beam E & W - Decend
40.00 At foot of slope, Set Cobblestone 12 x 7 x 7, 8 in deep marked 1/4 on W. side, with regulation Mound of Earth & pits for 1/4 Sec. Cor.
80.00 Set Sand Stone 13 x 7 x 6 - 8 in deep marked 2 notches on S and 1 on E. edges with reg. mound of earth & pits, for Cor to Secs 23, 24, 25 & 26.

Land Broken
Soil 2d rate
No Timber

East on random line bet Secs 24 & 2
Var. 16° 45' E.

40.00 Set. temp. 1/4 Sec. Cor
80.03 Intersect E. boundary of Twp 16 S

S of Cor to Sec's 24 & 25, from
Which S. 89° 40' W on true line Sec
Sec's 24 & 25

40.02 Set Sand Stone 9x9x7-6in
deep marked 1/4 on N. side
with reg. mound & pits for 1/4 Sec.
Cor.

80.03. The Cor. to Sec's 23, 24, 25 & 26.
Land level bench
Soil 1st rate
No Timber ✓

North Bet. Sec's 23 & 24
Var 16° 45' E.

40.00 Set Cobblestone 12x7x7-8in
deep marked 1/4 on W side with
Stone mound for 1/4 Sec. Cor.

80.00 Set Cobblestone 9x9x9-6 in deep
Marked 3 notches on S. and 1 on
E. Edges with reg. Mounds of earth ✓

Subs Tp. 17 S. R 9 E

And pits for Cor to Sec's
13, 14, 23 & 24,
Land level bench
Soil 1st rate
No Timber

Easton random line bet
Sec's 13 and 24
Var. 16° 45° E
40.00 Set Temp 1/4 Sec Cor
80.07 Intersect E Boundary of Tw'sp.
26 lks N of Cor to Sec's 13 & 24
from which N 89° 49' W on
true line bet. Sec's 13 & 24.
40.03 Set Cobblestone 8 x 8 x 8 in.
deep. Marked 1/4 on N. side
with reg. mound of Earth &
Pits for 1/4 Sec. Cor.
80.07 The Cor to Sec's 13, 14, 23 & 24
Land level

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S. L. Meridian

Soil 1st rate
No Timber ✓

North bet. Decs 13 & 14
Var 16° 45' E.

31.00 Mash draine East.

39.50 " " "

40.00 Set Sand Stone 9×8×7 - 6 in deep. Marked 1/4 on W. side with reg. Mound of earth & pits for 1/4 Sec. Cor.

56.00 Enter bench bears E & W.

80.00 Set Sand Stone 14×9×5 - 9 in deep Marked + Notches on S. & 1 on E. edges, with reg. Mound of earth & pits for Cor. to sales 11, 12, 13 & 14

Sand level flat & Bench
Soil 1st rate
No timber ✓

Subs Tp 17 S. R. 9 E.

East on random line bet Secs 12 & 13

Var. 16° 35' E.

12.50 Enter flat bears NW & SE.

26.75 Wash drains SE.

40.00 Set temp 1/4 Sec. Cor.

47.00 Wash drains S. E.

64.50 Same " SE.

74.00 " " SE.

80.06 Intersect East boundary of Twp at Cor. to Secs 12 & 13, from which N. on true line bet Secs 12 & 13

40.03. Set sandstone 11 x 7 x 7 - 7in deep. Marked 1/4 on N. side with reg. mound of earth & pits for 1/4 Sec. Cor.

80.06 The Cor. to Secs 11, 12, 13 & 14

Land Mostly level flat.

Soil 1st rate

No timber

BOOK-A-171

S L Meridian

North bet Sec's 11 & 12

Var 16° 35' E.

10.00 Enter flat, bears NW & S.E.

20.25 Wash drains S.E.

31.50 Enter broken bench, bears NW & S.E.

40.00 Set sand stone 12 x 11 x 8 - 8 in deep marked 1/4 on W side with reg. mound of earth & pits for 1/4 sec. Cor.

56.00 Enter flat bears NW & S.E.

58.00 Wash drains S.E.

71.50 " " " "

76.00 Enter rolling bench, bears NW & S.E.

80.00 Set sand stone 14 x 12 x 6 - 9 in deep marked 5 notches on S and 1 on E. edges with stone mound for Cor to Sec's 1. 2, 11 & 12

Land broken, bench & flat

Soil 2d, & 1st rate

No Timber

Subs Tp. 17 S. R. 9 E.

East on random line bet Secs 1 & 12
Var. 16° 30'. E

35.50 Wash drains S. E.
40.00 Set temp 1/4 Sec. Cor.
57.00 Wash drains S.E.
67.00 " " " "
72.00 Enter higher bench, trees NW & S. E
80.38 Intersect E Boundary of Twp
26 lks N. of Cor to Secs 1 & 12
from which N 89° 49' W on
true line bet Secs 1 & 12
40.19 Set Sand Stone 14 x 10 x 5 - 9 under
marked 1/4 on N. side with reg.
Mound of earth & pits for 1/4 Sec. Cor.
80.38 The Cor. to secs 1, 2, 11 & 12

Land rolling bench.
Soil 1st rate
No timber

North on random line bet.

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S. L. Meridian

Secs 1 & 2

Var 16° 35' E.

11.50 Wash drains S.E.

27.50 Enter Beech Hill, bears NW 5 chs & E 5 chs

40.00 Set temp. 1/4 Sec. Cor.

41.00 Enter flat.

55.50 Enter high bench, bears N.E. & S.W.

74.50 Gulch drains E.

80.39 Intersect N. boundary of Tp 41 Rs E of Cor to Secs 1 & 2 from which A. 18' E on true line Set Secs 1 & 2

40.39 Set sand stone 16 x 12 x 3 – 11 in deep Marked 1/4 on W side, with stone Mound for 1/4 Sec. Cor.

80.39 The Cor to Secs 1-2-11 & 12.

Land broken bench & flat

Soil 2d rate

No Timber

Sep. 20th 1880 –

Subs Tp. 17 S. R. 9. E

North bet Secs 34 & 35
Var. 16° 45' East.

11.55	Wash drains S.E.
15.50	" " " "
19.50	Road bears NW & S.E.
27.50	Leave flat, bears NW & S.E.
37.00	Low Ridge bears NW & S.E.
40.00	Set Sand Stone 15 x 12 x 5 - 10 in deep
	Marked 1/4 on W. side with stone
	Mound for 1/4 Sec. Cor.
41.20	Gulch drains NW
46.75	" " "
54.00	Ridge bears E & W 2nd Indian trail bears E & W.
59.50	Gulch drains W
63.00	" " "
72.00	Ridge bears E & W
75.00	Gulch drains W
80.00	Set Cobble Stone 12 x 8 x 6 - 8 in
	deep, Marked 1, Notch on S & 2 on
	E. edges. with stone Mound for

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57

S. L. Meridian

Cor to Secs 26, 27, 34 & 35

Land Mostly broken & Mountainous

Soil 2d & 1st rate

No Timber

Mountainous on 52.50 Chs

East on random line

Bet Secs 26 & 35

Var 16° 30' E.

15.00	Enter flat ridge Bears N & S
27.00	Gulch drains N.W.
31.50	" " S.
33.00	Descend
40.00	Set Temp. 1/4 Sec. Cor.
55.00	Enter flat Bears N & S.
64.00	Deep Wash drains S.E.
80.00	Intersect N & S. line at Cor to Secs 25, 26, 35 & 36. from which West. on true line Bet Secs 26 & 35
40.00	Set Cobblestone 14 x 8 x 5 ins deep

Subs 1/4 17 S. R. 9 E.

Marked 1/4 on N side with
Stone mound for 1/4 Sec. Cor.
80.00 The Cor to Secs 26, 27, 34 & 35
Land Mountainous & Broken bench.
Soil 2d rate
No Timber
Mountainous on S & Chs

North bet Secs 26 & 27
Var 16° 30' E.
300 Ridge bears NE & SW
3300 " " E & W
4000 Set Cobble Stone 9 x 9 x 9 - 6 in
Deep marked 1/4 on W side
with reg. mound of Earth &
pits for 1/4 Sec. Cor.
4050 Gulch drains NW
4350 Ridge bears, NW & SE.
4750 Trail " " "
5550 Gulch drains NW & SE.

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4th Meridian

80.00 Set Cobblestone 10 x 9 x 6 in deep. Marked 2 notches on S & E edges with reg. Mound & earth pits for Cor to Secs 22. 23-26 & 27

Land Broken Mountains

Soil 3d rate

No Timber

Mountains on 80.00 Chs

East on random line bet. Secs 23 & 26

Var 16° 30' E.

40.00 Ridge bears N 8 & S.W.

7.00 Enter flat bears N E & S W.

40.00 Set temp. 1/4 Sec. Cor.

41.00 Trail bears N and S.

80.10 Intersect N and S line at Cor to Secs 23 24, 25 & 26. From which West on the line bet Secs 23 & 26.

40.05 Set Cobblestone 11 x 8 x 6 — 6 in deep. Marked 1/4 on N side with reg. Mound of earth

Subs Tp. 17 S. R. 9 E.

and pits for 1/4 Sec Cor.

80.10 The Cor to Secs 22, 23, 26 & 27.

Land mostly level bench

Soil 1st rate

No Timber

Mountainous on 7.10 Chs

North bet Secs 22 & 23.

Var 16° 30' E.

12.50 Trail bears NW & SE.

40.00 Set Cobblestone 13x7x5, 8 in deep

Marked 1/4 on N. side with reg. Mound

of Earth & pits for 1/4 Sec. Cor.

80.00 Set Sandstone 11x8x6- 7 in deep

Marked 2 Notches on S & 2 on E. edges

With reg. Mound of Earth & pits for Cor

to Secs 14, 15, 22 & 23.

Land Broken Mountain Slope

Soil 2d rate

No Timber

Mountainous on 80.00 Chs

X

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S. L. Meridian

Easton random line Bet
Secs 14 & 23
Var 16° 30' E.

40.00 Set temp. 1/4 Sec. Cor.
54.50 Enter Flat.
62.50 Trail bears N & S.
80.16 Intersect N & S. line 21 lks S of Cor to Secs 13, 14, 23 & 24 from which S 89° 51' W on true line bet Secs 14 & 23
40.08 Set Cobblestone 9 x 9 x 7 - 6 in deep marked 1/4 on N side with reg. mound of earth & pits for 1/4 Sec. Cor.
80.16 The Cor to Secs 14, 15, 22 & 23.
Land broken & hilly
Soil 2d rate.
No Timber
\+ Mountainous on 54.50 Chs

North bet Secs 14 & 15
Var 16° 30' E.

Subs Tp 17 S. R. 9. E

Steep Descent

19.50 Enter flat bears E & W

24.00 Wash Drains E

33.00 " " S.E. 35.00

40.00 Set Sand Stone, 11x8x6 - 6 in deep 40.00

marked 1/4 on W. side with reg. 66.00

Mound of earth & pits for 1/4 Sec. Cor. 67.00

45.00 Enter bench, bears NE and SW 80.13

52.50 Enter flat " NW & S.E.

57.00 Wash drains S.E.

70.00 Enter bench bears N.W. & S.E.

74.00 Hollow drains S.E. 40.06

80.00 Set Sand Stone 14x9x5 - 9 in deep

Marked 4 notches on S and 2 on E edges

with reg. mound of earth & pits for Cor. 80.1

to Sec's 10-11-14 & 15

Land Mostly level.

Soil 1st rate

No Timber

Mountainous on 19.50 Chs

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S. L. Meridian

East on random line bet.
Sec's 11 & 14
Var. 16° 35' E.

35.00 Gulch drains S.E.

40.00 Set temp. 1/4 Sec. Cor.

66.00 Broad hollow drains S.

67.00 Trail in same Course N & S.

80.23 Intersect N & S. line 22 lks N of Cor. to Secs. 11-12, 13 & 14 from which N. 89° 57' W on true line bet. Sec's 11 & 14

40.06 Set Sand Stone 11 x 8 x 6- 6 in deep Marked 1/4 on N side with Brass Mound of earth & pits for 1/4 Sec. Cor.

80.13 The Cor to Secs 10, 11, 14 & 15
Land level Bench
Soil 1st rate
No Timber

Subs. Tp 17 S. R. 9 E.

North Bet. Secs 10 & 11
Var 16° 35' East.

H000	Set Sand Stone 10×8×7 - 6in deep	17.25
	Marked 1/4 on N side with reg. Mound	20.75
	of earth & pits for 1/4 Sec. Cor.	31.10
H650	Low ridge, Bears NW & SE.	35.75
7.50	Enter Flat " NW & SE.	40.00
7850	Wash drains SE.	46.75
9000	Set Sand Stone 15×13×4 - 10in deep	70.25
	Marked 5 Notches on S & 2 on	70.50
	E. edges with stone Mound for Cor.	79.70
	to Secs 2, 3, 10 & 11.	
	Land rolling Bunch	
	Soil 1st Rate.	
	No Timber.	39.80

Note:- I here made an observation of Polaris and find that the Meridian as last given by my Solar Instrument Substantially agrees with that obtained by the above observation

Sept. 21st 1880

X

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6th Meridian

Easton random line bet Secs 2 & 11.

Var 16° 30' E.

17.25 Wash drains S.E.

20.75 Enter Bench bears NW & SE

31.10 Gulch drains S.E.

35.75 " " N.W.

40.00 Set temp. 1/4 Sec. Cor.

66.75 Enter Flat bears NW & SE.

70.25 Wash drains S.E.

75.00 Enter low bench bears NW & SE

79.70 Int. N & S line, 4 links N. of Cor to Secs 1, 2, 11 & 12 from which N 89° 39' W on true line bet Secs 2 & 11

39.85 Set Cobblestone 20 x 18 x 9 - 15 in deep Marked 1/4 on N side, with stone Mound for 1/4 Sec. Cor.

79.70 The Cor. to Secs 2, 3, 10 & 11.

Land rolling Bench & Flat.

Soil 4th rate

No Timber

Subs Tp 17 S. R. 9 E.

North on random line between Secs 2 & 3

Var 16° 30' E

11.50 Wash drains E.

13.50 " " SE

17.00 Enter Bench bears NW & SE.

40.00 Set temp. 1/4 Sec. Cor.

80.20 Intersect N. Boundary of Twp 12 Lks. E. of Cor to Secs 2 & 3 from which S. 0° E on true line Cor Secs 2 & 3

40.20 Set Sandstone 11 x 9 x 7 - 6 on deck marked 1/4 on N. side with stone mound for 1/4 Sec. Cor.

80.20 The Cor. to Secs 2, 3, 10 & 11.

Land Mostly high level Bench

Soil 1st rate

No Timber

S. L. Meridian

North bet. Secs 33 + 34
Var. 16° 45' E.

11.00 Wash drains NW.
40.00 Set Cobblestone 14 + 7 + 6 - 9 in. deep
marked 1/4 on W - side with reg.
Mound of earth & pits for 1/4 sec. Cor
80.00 Set Cobblestone 12 + 8 + 6 - 8 in
deep marked 1 notch on S + 3
on E. edges with reg. mound of
earth & pits for Cor to sec's 27, 28,
33 + 34.

Land level Bench
Soil 1st rate
No Timber

Eastern random line bet
Sec's 27 + 34
Var 16° 45' E.

39.00 Ascend
40.00 Set temp 1/4 sec Cor

X

62

Subs 2 & 17 S. R. 9 E.

69.00 Gulch drains NW

71.25 " " SW

77.35 Trail on Ridge bears NE & SW

79.74 Intersect N & S line at Cor to Secs. 26, 27 34 & 35 — from which N. on true line Cor Secs 27 & 34

39.87 Set Sand Stone 15 x 12 x 7 - 10 in deep. Marked 1/4 on N side with Stone Mound for 1/4 Sec. Cor.

79.74 The Cor to Secs 27, 28, 33 & 34 Land West half level. East half. Broken Mountains Soil 1st & 3d rate No Timber

Mountainous on 40.74 Chs

North bet Secs 27 & 28. Var 16° 45' E

25.00 Leave Flat bears NE & SW

25.00 Ridge bears NE & SW

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S L Meridian

40.00 Set Cobblestone 14×7×6 - 9 in deep
Marked 1/4 on W side with stone
Mound for 1/4 sec. Cor.

46.00 Enter Flat. bears NE & SW.

80.00 Set Cobblestone 13×8×6 - 8 in deep
Marked 2 Notches on S & 3 on
E. edges, with stone mound for
Cor. to Sec's 21, 22, 27 & 28

Land mostly level
Soil 1st rate
No Timber

Mountainous on 21.00 Ch's

East on random line bet.
Sec's 22 & 27.
Var 16° 40' E.

28.50 Wash drains NW

37.50 Leave Flat. bears NE & SW

40.00 Set. temp 1/4 sec. Cor

57.00 Ridge bears N & S.

X

64

Dak. 7th 17 S. R. 9 E.

58.50 Gulch drains N

61.50 Ridge bears NE & SW

64.50 Gulch drains NE.

68.50 Ridge bears NE & SW

79.90 Intersect N & S. line 29 lks N. of Cor to Sec's 22, 23, 26 & 27. from which N 89° 48' W on true line bet Sec's 22 & 27.

39.95 Set Sandstone 14 + 8 x 5 - 9 in; deep Marked 1/4 on N side with reg. Mound of earth & pits for 1/4 Sec. Cor.

79.90 The Cor. to Sec's 21, 22, 27, & 28.

Land Mountains & level Bench

Soil 2d & 1st rate

No Timber

Mountainous on 42.40 Ch's

North bet Sec's 21 & 22.

Var 16° 40' E

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S. L. Meridian

9.00	Wash drains S.W.
23.50	Bend of some wash heads NE & drains SE.
27.50	Trail bears NE & SW
40.00	Set sand stone 12 x 7 x 6. - 8 in deep. marked 1/4 on W. side with reg. Mound of earth & pits for 1/4 Sec. Cor.
47.00	Wash drains S.E.
57.00	" " "
64.00	" " "
80.00	On West edge of Wash, drains Southerly - Set Cobblestone 11 x 8 x 6 - 6 in. deep. marked 3 notches on S.W. edges. with reg mound of earth & pits for Cor. to secs 15, 16, 21 & 22.

Land Broken Flat.
Soil 1st rate
No Timber

Sub. Tp. 17 S. R. 9 E.

Easton random line between Secs 15 & 22

Var. 16° 40' E.

6.50 Wash drains S.W.

15.00 " " "

40.00 Set 1 temp. 1/4 Sec. Cor.

53.00 Drainbears N.E. & S.W.

64.00 Wash drains N.E. — Ascend

80.06 Intersect N & S line, 20 chs N of Cor. to Secs 14, 15, 22 & 23. From which N. 89° 51' W on true line Set Secs 15 & 22

80.09 Set Granite 12x12x4 - 8 inches marked 1/4 on N side, with reg. mound of earth & pits for 1/4 Sec Cor.

80.06 The Cor to Secs 15, 16, 21 & 22

Land Sloping Bench
Soil 1st rate
No Timber.

Mountains on 16.06 chs

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67

S. L. Meridian

North between Secs 15 & 16.

Var. 16° 40' E.

2.50 Wash drains S.E.

40.00 Set sand stone 12 x 7 x 6 – 8 in. deep marked 1/4 on N. side with reg. Mound of Earth & Pits for 1/4 Sec Cor.

80.00 On edge of higher Bench – 6 Ears N.W. & S.E. – Set Cobble stone 16 x 10 x 8 – 10 in. deep, Marked 4 notches on S & 3 on E. edges, with stone Mound for Cor to Secs 9, 10, 15 & 16.

Land level and rolling Bench

Soil 1st rate

No Timber

Note:- I have made an observation of Polaris & find that the Meridian as laid out by my instrument agrees within 3 minutes with that of the above Observation

Sept. 22d 1880.

Subs T½ 17 S. R. 9 E.

Cast on random line bet
Sec's 10 & 15
Var. 16° 30' E.

On Bench.

8.50 Gulch drains SW.
40.00 Set temp. 1/4 Sec. Cor.
45.00 Enter Flat bears NW & SE.
51.50 Wash drains SE.
58.00 Enter Bench bears NW & SE.
77.00 Wash drains SE.
79.84 Intersect N & S line, 16 lks
S of Cor to Sec's 10, 11, 14 & 15.
from which S. 89° 53' W on
true line, bet Sec's 10 & 15
39.92 Set Sand stone 12×9×5 = 8 in
deep. marked 1/4 on N. side
with stone mound for 1/4 Sec Cor.
79.84 The Cor to Sec's 9, 10, 15 & 16.
Land mostly level Bench.
Soil 1st rate
No Timber

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J. L. Meridian

North Set secs 9 & 10
Var 16° 30' E.

40.00 Set sand stone 14 x 10 x 4 - 9 in deep Marked 1/4 on N. side, with reg. Mound of earth & pits for 1/4 Sec. Cor.

53.50 Raine drains SE & Trail bears NW & SE.

59.00 Hollow drains S.E.

73.00 Enter Flat, bears NW & S.E.

77.00 Wash drains S.E.

80.00 Set sand stone 12 x 12 x 5, 8 in deep Marked 5 notches on S. and 3 on E. edges with reg. Mound of earth & pits for Cor to Secs 3. 4. 9 & 10.

Land Mostly level Bench
Soil 1st rate
No Timber

East on random line between

70

Sub's Lys 17 S. R. 9 E.

Sec's 3 & 10

Var 16° 30' E.

1800 Wash drains S.— Enter Knob

40.00 Set Temp 1/4 Sec. Cor. 16

51.00 Enter Flat— bears NW & S.E 20

70.00 Enter Bench bears N. & S. 33

76.00 Enter Flat " NW & S.E. 1 to

78.25 Wash drains S.E. 5

79.75 Intersect N & S line, 4 lks. N of Cor. to sec's 2, 3, 10 & 11, from which N. 89° 58' W— on true line Set. Sec's 3 & 10 6

39.82 Set Land stone 13 x 10 x 5— 8 in. deep Marked 1/4 on N— side with Stone Mound for 1/4 Sec. Cor.

79.75 The Cor. to Sec's 3, 4, 9 & 10

Land level Bench & Flat.

Soil 1st rate

No Timber

S. L. Meridian

Northon random line bet.
Secs 3 & 4.
Var. 16° 30' E.

16.00 Wash drains SW.
20.00 " " S.E.
33.50 Enter Bench - bears NW & S.E.
40.00 Set temp 1/4 Sec. Cor.
58.00 Enter Flat - Wash drains S.E.
58.10 Frail bears W & S.E.
63.00 Road bears NE & SW.
76.00 Wash drains S.E.
80.06 Int. N Boundary of Twp 11 lks.
W. of Cor. to secs 3 & 4 from which S
5' W on true line bet secs 3 & 4
40.06 Set Sand stone 14 x 10 x 8 - 9 in deep
marked 1/4 on W. side with reg.
Mound of Earth & pits for 1/4 Sec. Cor.
80.06 The Cor. to Secs 3, 4, 9 & 10
Land level, Flat & Bench
Soil 1st rate

No Timber

Sub's Tp 17 S. R. 9 E.

C.

North bet Secs 32 & 33

Var 16° 30' E.

15.50 Road at foot of Bench bears NW & SE.

20.00 Wash drains S.

29.00 Irrigation ditch drains SE.

29.75 Road bears NE & SW

31.25 Bench bears NW & SE

40.00 Set Cobble stone 10 x 8 x 7 - 6 in deep marked 1/4 on W. side with Stone Mound for 1/4 Sec. Cor.

46.00 Gulch drains W.

80.00 Set Cobble stone 11 x 9 x 6 - 6 in. deep. marked 1 notch on S & 4 on E. edges with Stone Mound for Cor. to Sec's 28, 29, 32 & 33

Land Mostly level Bench

Soil 1st rate

No Timber

East on random line bet.

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S. L. Meridian

		Secs 28 & 33.
		Var 16° 35' E.
& S E.	5.00	Gulch drains S. E.
	16.00	Enter Bottoms & Heavy undergrowth.
& E.	31.20	Road bears NW & S. E.
	34.87	Huntington Creek - 163 lks wide 15 in deep runs S. E.
7 - 6 in	40.00	Set temp. 1/4 Sec. Cor.
to with	48.00	Leave Bottom & undergrowth.
r.	79.90	Intersect N & S line 15 lks S. of Cor. to Secs 27, 28, 33 & 34, - from which S 89° 52' W. on true line Set Secs. 28 & 33.
6 in.		
S &	39.95	Set sandstone 12 x 12 x 4 - 8 in. deep, marked 1/4 on N side, with reg mound of earth & pits for 1/4 Sec. Cor.
Mound		
& 33		
Bench	79.90	The Cor. to Secs. 28, 29, 32 & 33.
		Land level Bottom & Bench
		Soil 1st rate
		No Timber
ine Sec.		Heavy undergrowth on 33.00 Chs

Subs Tp 17 S. R. 9 E.

North bet Sec's 28 & 29

Var. 16° 35' E.

4.00 Gulch drains S. E.

20.00 Enter bottom & heavy undergrowth

26.50 Road bears NW & S.E. and C. W. Caldwell's house bears S. 50° 10' E.

30.25 Irrigation ditch runs SE

35.00 " " " E.

37.00 C. W. Caldwell's house bears 15° 20' E.

40.00 Set sand stone 11 x 9 x 5 - 6 in deep marked 1/4 on W. side

62.50 Bend of slough 278 lks wide bears NE & SE.

71.20 Enter bend of Honeycomb Creek, 5 ft deep, runs SE.

75.00 Leave same.

78.00 Leave bottom & undergrowth

78.87 Cedar wash drains S.W.

80.00 Set sand stone 12 x 10 x 8 - 8 in, deep Marked 2 Notches on S & 4 on E edges, with stone mound for Cor to Secs. 20, 21, 28 & 29.

Land - Bottom & Bench

S L Meridian

Soil - 1st rate
No Timber
Heavy undergrowth on 58.00 Ch's

East on random line bet
Secs 21 & 28.
Var 16° 30' E.

2.00	Bank of Cedar wash - 25 ft, high
9.50	Deep Hollow drains S.
15.50	Deep Gulch " "
20.75	Ridge bears N & S.
27.00	Gulch drains S. - Ascend
32.00	Enter flat ridge - bears N & S.
40.00	Set temp 1/4 Sec. Cor.
56.00	Descend
57.00	Enter Flat.
71.50	Trail bears NE & SW
72.70	Wash drains SW.
79.88	Int. N & S line at Cor to Secs 21, 22 27 & 28 from which W - on true

Subs Tp 17 S R 9 E

line bet Sec's 21 & 28

39.94 Set Cobble stone 14 x 8 x 5 - 9 in deep. marked 1/4 on N - side with stone mound for 1/4 Sec. Cor.

79.88 The Cor. to sec's 20, 21, 28, & 29.

Land - broken Gulches & Ridges

Soil - 2d rate

No Timber

Mountainous on 57.00 Ch's

Sep. 23d 1880.

North bet sec's 20 & 21.

Var 16° 30' E.

2.50 Leave Cedar Wash

22.50 Enter bend of same - drains SE

26.00 Leave same - heads NE

38.00 Enter same drains SE

40.00 On edge on deep Gulch, in wash, Set Cobblestone 12 x 8 x 6 - 8 in deep marked 1/4 on W side with reg.

41.75

78.75

80.00

40

10.0

40.0

48.5

S L Meridian

Mound of earth & pits for 1/4 sec. Cor.

41.75 Leave Cedar wash

78.75 Cedar wash drains S.E. - heads N.E.

80.00 Set Cobblestone 14 x 7 x 7 - 9 in deep. Marked 3 notches on S. & 4 on East edges, with reg mound of earth & pits for Cor to sec's 16, 17, 20 & 21.

Land level.

Soil 1st rate

No Timber

Heavy Artemisia undergrowth on 80 ch's

East on random line bet.

Sec's 16 & 21

Var 16° 30' E.

4.00 Cedar wash drains S.W.

10.00 Ridge bears N & S.

40.00 Set temp. 1/4 sec. Cor.

48.50 Gulch drains S.E.

80

Subs Tp 17 S R. 9 E.

Secs 9 & 16.
Var 16° 35' E

40.00 Set temp. 1/4 Sec Cor.
76.50 Wash drains S.E.
80.06 Intersect N & S. line at Cor to secs 9, 10, 15 & 16 – from which west on true line bet secs 9 & 16.
40.03 Set Cobblestone 16 x 7 x 5 11in deep. Marked 1/4 on N side with stone mound for 1/4 sec Cor
80.06 The Cor to secs 8, 9, 16 & 17.

Land level & flat.
Soil 1st rate
No Timber

North bet secs 8 & 9
Var 16° 30' E.

40.00 Set Sand Stone 15 x 8 x 5 = 10 in deep. Marked 1/4 on W side with

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S. L. Meridian

reg. Mound of earth & pits for 1/4 sec. Cor.

43.00 Trail bears N E and S W.

44.00 Same " NW " S E.

51.50 " " NE & SW.

66.00 Leave flat, bears N W & S E.

80.00 Set sand stone 15 x 9 x 9, 10 in deep. marked S notches on S & W on E. edges with reg. mound of earth & pits for Cor to secs 4, 5, 8 & 9

Land mostly level flat.
Soil 1st rate.
No Timber

Easton random line 6 ch.
Secs 4 & 9.
Var 16° 35' E.

38.75 Trail bears N E & S W

40.00 Set temp. 1/4 sec. Cor.

Subs Tp. 17 S. R. 9. E.

44.50 Wash drains S.E.

49.25 " " "

62.50 Gulch " S.E.

75.25 Enter Flat.

79.25 Wash drains S.E.

79.76 Intersect N & S. line at Cor to Secs 3, 4, 9 & 10. from which on W. true line bet secs 4 & 9

39.88 Set Sand Stone 12 x 7 x 6 - 8 in deep. marked 1/4 on N side with reg. mound of earth & pits for 1/4 sec. Cor.

79.76 The Cor to secs 4, 5, 8 & 9.

Land level Bench

Soil 1st rate

No Timber.

North on random line bet Secs 4 & 5

Var 16° 35° E.

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6th Principal Meridian

40.00 Set temp. 1/4 Sec. Cor.

52.75 Roads bears NW & SE

68.25 " " " "

78.94 Intersect N. Boundary of Twp at Cor to Secs 4 & 5 — from which S. on true line bet Secs 4 & 5

39.84 Set Sand Stone 13 x 13 x 3-8 in deep. marked 1/4 on W side with reg mound of earth & pits for 1/4 Sec Cor.

78.94 The Cor to secs 4, 5, 8 & 9.
Land level Bench
Soil, stratified
No Timber X

North bet Secs 31 & 32
Var 16° 35' E.

1.00 Wash drains S E

7.00 Trail bears NW & SE

40.00 Deposited Sandstone 9 x 6 x 4

X

Subs Tp 17 S. R. 9 E.

Marked 1/4 in reg. mound of earth & pits for 1/4 sec Cor.

56.00 Ascend.

61.00 Low Ridge bears NW & SE

70.00 Enter Flat

71.75 Wash drains SE

79.00 Road bears NW & S.E.

80.00 Set sand Stone 16 x 8 x 5 - 10 in. deep. marked 1 notch on S & 5 on E edges with reg mound of earth & pits for Cor to Sec's 29, 30, 31 & 32.

Land level.

Soil 1st rate

No Timber

East, on random line 6 Et.

Secs 29 & 32.

Var 16° 35' E

22.50 Irregation ditch runs SE

26.50 " " at foot of Bench drains SE. X

BOOK-A-171

J L Meridian

40.00	Set temp 1/4 sec. Cor
58.50	Roads bears NW & SE
60.00	Ditch drains S.E.
62.50	Road bears NW & SE
80.20	Int. N & S line at Cor to secs 28, 29, 32 & 33 from which N on true line bet Secs 29 & 32
40.10	Set Sandstone 10×9×6-6 in deep Marked 1/4 on N side with reg. mound of earth & pits for 1/4 sec Cor.
80.20	The Cor to secs. 29, 30, 31 & 32

Land level Bench & Flat
Soil 1st rate
No Timber

West on random line bet.
Sec's 30 & 31
Var 16° 35' E.

0.75	Road bears NW & SE
33.00	Wash drains SE
39.00	Enter low hills bears NW & SE

Subs Tp 17 S. R. 9 E.

40.00 Set. temp 1/4 sec Cor.
53.00 Enter flat.
65.00 Wash drains S.E.
79.93 Intersect W Boundary of Twp 21 lks S of Cor to sec's 30 & 31. from which S. 89° 51' E. on true line bet sec's 30 & 31.
39.93 Set Sandstone 8 x 8 x 8 - 5 in deep marked 1/4 on N side with reg. mound of earth & pits for 1/4 sec Cor
79.93 The Cor to sec's 29, 30, 31 & 32.

Land level.
Soil 1st rate
No Timber

North bet secs 29 & 30.
Var 16° 35' E.

26.50 Ditch runs S.E.
40.00 On S. edge of ridge - bears N.W.

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S L Meridian

& S.E. Set sand stone 14×11×6
9 in deep marked 1/4 on W. side
with stone mound for 1/4 sec Cor

43.50 Ridge bears N.W. & S.E.

56.50 Flat " " "

61.50 Wash drains S.E.

72.60 Road bears NW & S.E.

80.00 Set sand stone 14×6×5 9 in
deep marked 2 notches on S.
and 5 on E. edges with
reg. mound of earth & pits for Cor.
to sec's 19, 20, 29 & 30.

Land mostly level flat
Soil 1st rate
No timber

East on random line bet
Sec's 20 & 29.
Var 16° 35' E.

13.00 Road bears NW & SE

X

Sub's Tp 17 S. R. 9 E.

14.00	Ditch drains S.E.
18.00	S. Cheney's house bears N 24° 20' E.
18.50.	Enter bottom & Undergrowth.
22.50	Slough bears N & S. – 100 lks wide
25.50	S. Cheney's house bears N 12° 20' E.
30.00	Huntington Creek, 60 lks wide – 12 in deep runs SE
40.00	Set Temp 1/4 Sec. Cor.
46.00.	Huntington Creek, 60 lks wide 40 in deep runs NE.
Note:–	On account of deep water, mairy Creek Crossings, I offset N 6.50 ch's then E. 3.40. then S. 6.50 chs to –
77.40	On E side of Huntington Creek 50 lks wide 18 in deep runs SE
80.40	Int. N & S line 19 lks S. of Cor to Secs 20, 21, 28 & 29 from which S 89° 52' West on true line bet Secs 20 & 29.
40.20	Set Charred Cottonwood post 4 x 4 in 4 ft long. 2 ft deep Marked 1/4 S on N side with reg. mound of earth & pits

S. L. Meridian

	for 1/4 sec Cor.
80.40	The Cor to sec's 19, 20, 29 & 30
	Land mostly good bottom
	Soil 1st rate
	No Timber
	Heavy undergrowth on 58.90 Ch's Sep 24, 1880
	Weston random line bet secs 19 & 30
	Var 16° 35' E.
2.00	Road bears N & S.
7.50	" " NW & S.E.
30.00	" " " " "
40.00	Set temp. 1/4 sec. Cor.
79.77.	Intersect W Boundary of Twp 9 lks S. of Cor to sec's 19 & 30 from which S. 89° 56' E on true line bet Sec's 19 & 30.
39.77.	Set sand stone 13 & 9 & 5 9 in deep Marked 1/4 on N side with reg mound of earth & pits for 1/4 sec Cor.

Subs Tp. 17 S. R. 9 E.

19.77	The Cor to Secs 19-20-29 & 30	43.50
	Land level flat	51.00
	(Soil 1st rate)	53.50
	No Timber	75.00
		81.00
	North bet Secs 19 & 20	
	Var 16° 35' E.	
16.00	Clay hill.	
16.25	S.E. Cor of Wm Avery's house bears N 41° W	
	" " " " " Corral " N 33° W	
	" " " " " Stable " N 17° 15' W	
20.50	Road bears NW & SE ditch drains S.E. Enter.	
	Cultivated Land & bottom	
25.00	Enter heavy under growth.	
38.50	Huntington Creek 50 lks wide 2 ft deep runs SE	
39.50	Wm Avery's house S 40° 10' W	4.00
	" " Corral S 21° 30' W	6.50
	" " Stable S 13° W	18.00
40.00	Pet sand stone 12 x 8 x 6 - 8 in deep. marked 1/4 on W	22.00
	side with reg. mound of Earth & pits for 1/4 Sec. Cor.	30.50

BOOK-A-171

S. L. Meridian

43.50 Road bears NW & SE

51.00 Irrigation ditch runs E.

53.50 " " " "

55.00 Leave undergrowth & bottom land

80.00 Set Flint 18 x 12 x 9. 12in deep marked 3 notches on S. & 5 on E edges with stone mound for Cor to Secs 17, 18, 19 & 20.

Land mostly bottom

Soil 1st rate

No timber

Heavy undergrowth on 50.00 Chs

Cont on random line bet Secs 17 & 20

Var 16° 35' E.

4.00 Gulch drains SW

6.50 Ridge bears NE & SW

18.00 Enter Hollow — drains SE

22.00 Leave same.

30.50 Trail bears NW & SE

Dub. Tp 17 S. R 9 E.

40.00	Set temp. 1/4 sec. Cor.	2869
43.00	Ridge bears NW & SE	3425
50.00	Enter flat bears NW & E	4000
80.04	Int St N & S line at Cor to secs 16, 17, 20 & 21, from which W on a true line bet secs 17 & 20	4309
		4913
		6293
40.02	Set sandstone 12 x 12 x 11 – 8 in deep marked 1/4 on N side with stone mound for 1/4 sec. Cor.	6600
		7735
80.04	The Cor to secs 17, 18, 19 & 20.	7800
	Land Mountains & flat.	7983
	Soil 2d & 1st rate	
	Not timber	
	Mountainous on 5000 Chs	3982
	West on random line bet secs 18 & 19	7983
	Var 16° 35' E.	
500	Enter bottom & heavy undergrowth	
1356	Anthony Humble's house bears N 89° 30' W.	
2033	Wash drains SW	

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S L Meridian

2869.	Anthony Humble's house bears N 80° W
3425	Road bears SE & NW.
40.00	Set temp 1/4 sec Cor.
43.00	Road bears NW & SE - Leave heavy undergrowth
49.13	Huntington Creek 60 lk's wide, 2 ft deep runs S.W.
62.93	" " " " " 12 in. deep " N E
66.00	" " " " " 15 " " " S.E.
	Leave bottom
77.35	Road bears NE & SW
78.08	Hollow drains N.E.
79.83	Intersect W. boundary of Twp 15 lk S. of Cor to sec's 18 & 19 from which S. 89°54' E on true line bet secs 18 & 19
39.83	Set Cobblestone 11 x 11 x 6 - 6 in. deep Marked 1/4 on N side with reg. mound of Earth & pits for 1/4 sec. Cor.
79.83.	The Cor to sec's 17, 18, 19 & 20.

Land mostly good bottom

Soil 1st rate

No Timber

Heavy undergrowth on 61.00 Ch's

94

Subs S. 17 S. R. 9 E

North Bet Secs 17 & 18.

Var 16° 35' E.

2.00	Gulch drains N.	18.50
6.00	Enter flat Top of hill.	20.00
9.25	Leave same	40.00
14.00	Enter flat.	45.00
19.00	Trail bears NW & SE.	54.50
40.00	Near broken clay ridge - bears NW. Set.	58.50
	Sand stone 9 x 8 x 7 - 6 in. deep. marked 1/4 on W side with reg. mound & pits for 1/4 Sec. Cor.	77.00 79.65
57.00	Wash drains W.	
60.50	Road bears NE & SW	39.82.
80.00	Set. Sand stone 9 x 9 x 8 - 6 in deep marked 4 Notches on S & E on E edges with reg mounds of earth & pits for Cor to Secs 7, 18, 17 & 18.	79.65

Land - Ridges & Flat.

Soil 2d & 1st rate

No Timber

Mountainous on 54.00 Chs

S L Meridian

East on random line bet Sec's 8 & 17
Var 16° 35' E.

18.50	Wash drains S – Enter flat
20.00	Trail bears N.E. & S.W.
40.00	Set temp 1/4 sec. Cor
45.00	Low ridge bears NW & S.
54.50	Wash drains S.E.
58.50	" " "
77.00	Cedar wash drains S.
79.65	Int. N & S line 42 lks N of Cor to sec's 8, 9, 16 & 17 from which N 89° 42' W. on true line bet sec's 8 & 17
39.82	Set sand stone 12 x 8 x 6. 8 in deep. Marked 1/4 on N side with reg. mound of earth & pits for 1/4 sec. Cor
79.65	The Cor to sec's 7-8-17 & 18.

Land mostly flat.
Soil 1st rate
No Timber

West on random line bet sec's 7 & 18
Var 16° 35' E

Subs Tp 17 S. R. 9 E.

1.00	Wash drains S.
9.00	" " "
14.50	Low ridge bears N & S.
20.25	Wash drains S.E.
39.50	Road bears NW. & S.E.
40.00	Set temp. 1/4 sec. Cor.
51.50	Wash drains SW.
53.50	Trail bears NW & S.E.
76.25	~~Road~~ Ridge bears N.E. & SW. 5 Ch's
77.00	Road bears N. & S.
79.25	Wash drains S.E.
79.50	Int. 1st W. boundary of Twp 26 lks S. of Cor to sec's 7 & 18 from which L. 89°49'. E. on true line bet secs 7 & 18
39.50	Set sand stone 12 x 7 x 6 - 8 in deep - marked 1/4 on N side with reg. mound & pits for 1/4 sec. Cor.
79.50	The Cor to sec's 7 - 8 - 17 & 18.

Land level flat.

Soil 1st rate

No Timber

X

BOOK-A-171 97

6th P.M.

North bet. Secs 7 & 8
Var 16° 35' E.
Enter flat bears NW & SE

20.00 Wash drains NW.
23.00 " " S.E.
40.00 Set sand stone 11x9x8 - 6 in deep marked 1/4 on W side, with reg. mound of earth & pits for 1/4 Sec. Cor.
51.50 Wash drains NW.
60.50 White River road bears NE & SW.
80.00 Set sand stone 14x9x5 - 9 in deep. Marked 5 notches on S. & E. edges, with reg. mounds of earth & pits for Cor. to secs 5, 6, 7 & 8.

Land level & flat.
Soil, 1st rate
No Timber

East on random line bet. Secs 5 & 8.
Var 16° 35' E.

20.00 Road bears NE & SW.
40.00 Set temp. 1/4 sec Cor.
40.50 Ridge bears NW. - Enter Greasewood undergrowth.

X

Subs Tp 17 S. R. 9 E.

53.00	Wash drains S.E.
65.00	Cedar Wash drains S.E. - Leave Undergrowth
66.00	Leave flat.
80.00	Intersect N & S line at Cor to Secs. 4, 5, 8 & 9 from which West on true line bet secs 5 & 8
40.00	Set sand stone 12 × 7 × 6 - 8 in deep marked 1/4 on N. side with reg mound of earth & pits for 1/4 sec Cor.
80.00	The Cor to Secs 5, 6, 7 & 8.

Land mostly level, flat.

Soil 1st rate

No Timber

Undergrowth on 24.50 Ch's

West on random line bet secs 6 & 7

Var 16° 35' E.

4.00	Leave flat - bears N & S.
10.00	Enter flat, top of ridge
15.50	Descend
25.15	Gulch drains S.E. - Ascend

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S L Meridean

3400	Ridge bears NW & SE – Descend
4000	Set Temp 1/4 Sec. Cor.
4650	Hollow drains S.E.
5200	" " " "
6300	Ridge bears NW & SE
7000	Gulch drains S.E.
7600	Trail bears NW & S.E.
7850	Ridge " " " "
8005	Int'sct N & S line 4 lks S of Cor to sec's 6 & 7 from which S 89°, 58' E. on true line bet sec's 6 & 7
4005	Set sandstone 12 x 8 x 5 – 8 in deep. marked 1/4 on N. side with reg. mound of earth & pits for 1/4 sec. Cor.
8005	The Cor to sec's 5, 6, 7 & 8.

Land mostly broken Clay ridges

Soil 3d rate

No Timber

Mountainous on 76.05 Ch's

North on random lines bet sec's 5 & 6.

Var 16° 35' E.

100

Subs Tp 17 S R. 9. E

37.00 Leave flat - bears NW & S.E.

4000 On ridge - bears NW & S.E., Set Temp 1/4 sec

34. 4500 Enter flat.

40. 48.00 Wash drains S.E.

5650. Ridge bears NW & S.E.

80.10 Intersect. N. boundary of Twp. at Cor to sec's 5 & 6 - from which S. on true line bet secs 5 & 6

80 4010 Set sandstone 12 x 10 x 5 - 8 in deep marked 1/4 on W, side with stone Mound for 1/4 sec. Cor.

80.10 The Cor to sec's 5. 6. 7 & 8.

Land mostly level, flat.

Soil 1st rate

No. Timber

Sep 25 1880.

Note:- On this evening I observed Polar and Compare the Meridian thus obtained with the line bet secs 5 & 6 - and find the same to agree within 5 minutes.

40

80.

BOOK-A-171

S L Meridian

General Description

This Township embraces the bottoms of Huntington Creek and adjacent benches. The land is mostly level & can be irrigated from Huntington Creek. Settlements have been made in Sec'ts 18-19-20 & 28.

Huntington Creek is a large Mountain stream and carries sufficient water to irrigate several Townships.

A. D. Ferron
US Depy Surveyor

BOOK-A-171 103

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9th 1880

The foregoing field notes of the survey of the Subdivisions lines on

Township No 17 South Range No 9 East

of the Salt Lake Meridian, Utah Territory,

Executed by A. L. Farrow

Under his contract No 97

of the 16th day of August 1880,

in the month of September 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Jno. Salisbury

U. S. Surveyor General for Utah.

BOOK-A-171 105

R.

Filed October 25th 1880

Examined by T. C. Bailey

Compared by

FIELD NOTES

OF

THE SURVEY OF THE

North & South Boundaries

of Township No. 17 South, Range No. 10 East

of the Salt Lake Meridian in Utah Territory.

BY

A. D. Farrow.

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97,

dated August 16th 1880

Survey commenced Sept. 27th 1880

Survey completed Sept 27th 1880.

25

2

J.

Notes

4000

550

580

530

650

725

BOOK-A-171 107

S. Andry Tp. 17 S. R. 10 E.

Note: Survey Commenced Sep. 27. 1880
Instrument used a Gurly Polar Compass - No Number - examined & approved by U. S. Surveyor General. I make an observation of Polaris, and from the Meridian thus obtained, turn off a true East line allowing 1' for Curvature.

From the Cor to Twps 17 & 18 S. R. 9 & 10 E. Inum East on true line bet secs 6 & 31.
Var. 16° 45' E.

4000 Set Shale 20 x 15 x 3 - 15 in deep marked 1/4 on N. side with reg. mound of earth & pits for 1/4 sec Cor.
5500 Descend Bench slope.
5800 Enter flat bears NW & SE.
6200 Wash drains NE.
6500 " " "
7250 " " "

108

S. Boundary 2½ 17 S. R 10 E

80.00 At foot of Hills bears NE & SW
Set shale 22 x 15 x 3 - 15 in. deep
marked 1 Notch on W & 5 on E edge
with reg. mound of earth & pits
for Cor to Secs 5, 6, 31 & 32.
Land mostly level bench
Soil 1st rate
No Timber

East on true line bet Secs 5 & 32
Var 16° 45' E.

Ascend

11.50 Ravine drains N
32.50 Ridge bears N & S.
34.50 Ravine drains N.
37.00 Ridge bears N & S.
38.50 Ravine drains N.
40.00 On ridge bears NE & SW
Set Sand Stone 18 x 18 x 2 - 12 in deep
Marked 1/4 on N side with reg mound

59.0
80.0
40.0
52.5
74.5
80.0

earth & pits for 1/4 sec Cor.
59.00 Gulch drains N. — Enter bench,
80.00 Set sand stone. 12 x 8 x 6 - 8 in deep
marked 4 Notches on E & 2 on
W. edges, with stone mound for
Cor to secs 4, 5, 32 & 33 -
Land mostly broken ridges
Soil 2d rate
No Timber
Mountainous on 59.00 Chs.

East on true line bet secs 4 & 33
Var 16° 45' E.
40.00 Set Charred Cottonwood post
3 x 3 in, 4 ft long, 2 ft deep
marked 1/4 S on W side with
reg. mound of Earth & pits for 1/4 sec Cor.
52.50 Enter flat bears NE & SW
74.50 Wash drains N.E.
80.00 Set Charred Cottonwood post

S. Bndry Tp 17 S R. 10 E. Meridian

3 x 3 in. 4 ft long, 2 ft deep.
Marked 3 Notches on N & E
edges with reg mound of
earth & pits for Cor to Sec's 3, 4, 33 & 34
Land Mostly rolling bench 22.50
Soil 1st rate 39.42
No Timber

Note:- The land East from this point
is unavailable, on account
of the difficulty to supply it 79.42
with water for irrigation
I therefore discontinued line
here —

North boundary Tp 17 S R. 10 E.

From the Cor to Tp 16 & 17 S R 9 & 10 E
I run east on true line (
turning the angle from

BOOK-A-171

N Bndry Tp 17 S. R. 10 E. 2d Meridian

Meridian, obtained by
Solar Apparatus of Instrument
allowing 1" for Curvature)
Set. sec's 6 & 31 Var 16° 35' E.
Var 16° 35
22.50 Wash drains S & E
39.42 (allowing for Convergency of
Meridian) Set sand stone
12 x 9 x 3 - 8 in deep. marked 1/4
on N side with reg mound
of Earth & pits for 1/4 sec Cor.
79.42 On N.W. point of low ridge
Set sand stone 18 x 15 x 12 -
12 in deep. marked 1 notch
on N - & 5 on E. edges with
Stone mound for Cor to Sec's
5. 6. 31 & 32.
Land level flat
Soil 1st rate
No Timber

N. Bndry 17 T R. 10 E

East on true line bet sec's 5 & 32
Var 16° 35' E.

13.50 Wash drains S.E.

22.50 S. E. point of Ridge

4000 Set sand stone 12×9×5, 8 in deep. marked 1/4 on N side with reg. mound of earth & pits for 1/4 sec. Cor.

44.00 Wash drains S.E.

8000 Set sand stone 13×7×5 - 8 in deep marked 2 notches on W and 4 on E. edges with reg. mound of earth & pits for Cor to sec's 4, 5, 32 & 33

Land level flat
Soil 1st rate
No Timber

East on true line bet sec's 4 & 33
Var. 16° 35' E.

2100
4000
8000

BOOK-A-171

A L Meredean

2100 Wash drains S.E.

4000 Set Charred Cottonwood Post 3x3 in. - 4 ft long 2 ft deep marked 1/4 S. on N. side with reg. mound of earth & pits for 1/4 Sec. Cor.

8000 Set. Charred Cottonwood Post. 4 x 4 in - 4 ft. long 2 ft deep marked 3 Notches on W & E edges with reg mound of earth & pits for Cor to Secs 3, 4, 33 & 34

Land level flat
Soil 1st rate
No Timber

Sep 27. 1880

over

Note:- From a meridian observed from Polaris, I turn a West angle, and find line last run to agree substantially with same.

Note:- For General Description see Subdivisions of this Township

W Herron
U.S. Dep Surveyor

BOOK-A-171 117

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9th *1880*

The foregoing field notes of the survey of the Fractional North & South Boundaries of

Township No 17 S *Range No* 10 E

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Ferris

Under his *contract No* 9th

of the 16 *day of* Aug *1880,*

in the month of Sept. *1880,*

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Jno. Salmon

U. S. Surveyor General for Utah.

6

116

Copie B

Comer B.L. not made

Land " made

26

Copied BOOK-A-171 117

R: Subs 17 S 10 E

6

Filed October 23rd 1880

Examined by T. C. Bailey

Compared by " " " & C. E. Salomon

FIELD NOTES

OF

THE SURVEY OF THE

Subdivision

of Township No. 17 South, Range No. 10 East

of the Salt Lake Meridian in Utah Territory.

BY

A. F. Ferrow

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97

dated August 16th 1880

Survey commenced Sept. 28th 1880

Survey completed October 1st 1880.

Corner B.L. not made

Planed " made

26

Subs Tp. 17 S. R. 10 E.

Note:- The eastern part of this Tp being too remote from water and too difficult to irrigate is not surveyed.

Survey commenced Sept. 28th, 1880. Instrument used is a Gurley Solar Compass examined and approved by the Surveyor Genl and again tested before using on a meridian obtained by an observation of Polaris.

From this Cor to Sec's 33 & 34 on the S boundary of the Tp's established by me.

North Bet Sec's 33 & 34
Var. 16° 30° E.

42.00 Wash drains N.E.

40.00 Set Chorred Cottonwood Post 4 x 4 in, 4 ft long, 2 ft deep

Subs T/p 17 S R. 10. E.

Marked 1/4 S, on W side with reg. mound of earth & pits for 1/4 Sec. Cor.

80.00 Set sand stone 15 × 6 × 5, 10 in deep

Marked 1 notch on S. & 3 on E. edges with reg. mound of earth pits for Sec's 27, 28, 33 & 34.

Land level flat.

Soil 1st rate

No Timber

North bet Secs 27 & 28

Var 16° 30' E.

14.00 Leave flat. bears E & W

Enter boulder ridge

1800 Ridge bears NE & SW

21.50 Ravine drains NW

40.00 Set Cobblestone 16 × 14 × 3 - 11 in deep

Marked 1/4 on W side with reg. mound of earth & pits for 1/4 Sec. Cor.

46.00

54.00

58.50

80.00

190

28.0

320

400

S. L. Meridian

46.00	Ravine drains N. E.
54.00	N. E. point of Ridge
58.50	Previous Ravine drains N.W.
80.00	On N. W. point of Ridge Set Charred Cottonwood post 3x3 in - 4 ft long - 2 ft deep. Marked 2 Notches on S & 3 on E edges. With reg. mound of earth & pits for Cor to Secs 21, 22, 27, & 28
	Land mostly broken Ridges
	Soil 3d rate.
	No Timber
	Mountainous on 66.00 Chs

North bet. Secs 21 & 22.
Var 16° 35' E

19.00	Ravine drains N.W.
28.00	Ridge bears NW & S.E.
32.00	Enter Flat bears NW & S.E.
44.00	Set Charred Cottonwood post 3x3 in 4 ft long - 2 ft deep. Marked 1/4 S. on W. side With reg mound of earth & pits for 1/4 Sec. Cor.

Sub's Tp 17 S. R. 10 E

61.00 Wash drains NW
72.00 " " N. E.
73.00 " " N.W.
80.00 Set Charred Cottonwood post
3x3 in - 4 ft long - 2 ft deep.
Marked 3 Notches on S. and E
edges with reg. mound of earth
and pits for Cor to sec's 15-16-21
+22.

Land mostly level flat.
Soil 1st rate
No Timber
Mountainous on 32.00 Ch's

North bet sec's 15 + 16.
Var. 16° 35' E.

1.50 Wash drains NE
7.00 " " NW
10.50 " " NE
23.50 " " "

X

S L Meridian

27.00 Leave flat — bears NE & SW.

40.00 Set Cobblestone 11 x 9 x 6 - 6 in deep marked 1/4 on W. side, with reg. mound of earth & pits for 1/4 Sec. Cor.

70.00 Enter Hills bears N.E. and SW.

80.00 Set Charred Cottonwood post 3x3 in. 4 ft long, 2 ft. deep, marked 4 notch on S & 3 on E edges, with reg. mound of earth & pits for Cor to sec's 9, 10, 15 & 16.

Land mostly level Bench flat.

Soil - 1st rate.

No Timber

Mountainous on 10. Ch's

North bet Sec's 9 & 10.

Var 16° 35' E.

24.00 Enter flat. Covered with heavy undergrowth

25.00 Wash drains N.E.

26.50 " " "

40.00 Set sand stone, 12 x 10 x 5 - 8 in deep with reg mound

Subs Tp 17 S. R. 10 E.

	of earth + pits for 1/4 sec. Cor	
55.75	Wash drains N. E	
58.00	Enter hills - Leave undergrowth	40.00
71.50	Ridge bears E + W	
74.50	Enter flat.	
80.00	Set Charred Cottonwood post 3 x 3 in	80.00
	4 ft long - 2 ft deep. Marked S Notches on S	
	+ 3 on E. edge with reg. mound of earth +	
	pits for Cor to secs 3, 4, 9 + 10.	
	Land - Ridges + Artemisia flat.	
	Soil 2d + 1st rate.	
	No Timber	
	Mountainous on 40.50 Chs.	1,50
	Undergrowth on 34.00 Chs	38.50
		40.00
	North on random line bet Secs 3 + 4	
	Var 16° 35' E.	41.50
40.00	Set Temp 1/4 sec Cor.	72.00
42.50	Wash drains NE.	80.00
80.00	Intersect N. boundary of Tp 31 Chs	

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S. L. Meridian

E. of Cor to Sec's 3 & 4 established by
ME, from which a true line bet Sec's 3 & 4
40.00 Set Charred Cottonwood Post 3 x 3 in, 4 ft
long 2 ft deep, marked 1/4 S, on W. side with
Reg. Mound of earth & pits for 1/4 Sec Cor
80.00 The Cor. to Sec's 3, 4, 9 & 10 -
Land level & flat.
Soil 1st rate
No Timber

North bet. Sec's 32 & 33.
Var. 16° 45' E.
1.50 Enter Boulders
33.50 Leave same
40.00 Set Sand Stone 13 x 7 x 5 - 9 in. deep, marked 1/4
on W. side with Stone Mound for 1/4 Sec. Cor.
41.50 Wash in hollow drains N.W.
72.00 Enter flat, leave Hills - bears NE & SW.
80.00 Set Sand Stone 20 x 15 x 2 - 15 in deep, marked
1 Notch on S & 4 on E. edges with reg mounds of Earth

Subs Tp 17 S. R. 10 E.

4 pits for Cor to secs 28, 29, 32 & 33. 40.00

Land mostly broken hills

Soil 2d rate

No Timber 40.00

Mountainous on 70.50 Chs

East on random line bet secs 28 & 33

Var 16° 35' E.

.25 Wash drains NW

7.00 Enter hill - bears NE & SW

13.00 Ravine drains N & E.

23.00 Ridge bears N E & SW

37.00 Gulch drains N.E. 2.50

40.00 Set temp 1/4 Sec. Cor. 40.00

42.50 Ridge bears NE & SW

58.50 Enter large boulders

60.00 Leave same - Enter large flat 77.00

80.00 Intersect N & S line 24 lks S. 80.00

of Cor to secs 27 & 28, 33 & 34 from

Which S. 89° 50' W on true line bet Secs 28 & 33

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S L Meridian

40.00 Set sand stone 13×7×6.–9 in deep marked 1/4 on N–side with stone mound for 1/4 sec Cor

80.00 The Cor. to Secs 28, 29, 32 & 33

Land mostly broken ridges

Soil 3d rate mostly & 1st rate on flat.

No Timber

Mountainous on 53.00 Ch's

North Cet. Sec's 28 & 29.

Var 160. 35' E.

250 Wash drains NW

40.00 Set sand stone 11×9×6. 6 in deep marked 1/4 on W. side, with reg. mound of earth & pits for 1/4 Sec. Cor.

77.00 Wash drains N.E.

80.00 Set sand stone 15×8×5–10 in deep. marked 2 notches on S. & 4 on E edges with reg mound of earth & pits for Cor. to secs 20, 21, 28 & 29.

Subs Tp 17 S. R. 10 E. 28

Land level flat + gentle N slope 80.20
Soil 1st rate.
No Timber

East on random line bet Secs 21 + 28
Var 16° 35' E.

3.25 Wash drains N.E.
25.00 Enter bench - bears N.E. + S.W.
39.00 Leave same " " " 40.00
40.00 Set temp 1/4 Sec. Cor.
42.00 Wash drains N.E.
66.00 Enter Hills - bears N.E. + S.W. 80.00
74.00 Ridge bears N.W. + S.E.
76.00 Ravine drains N.W.
80.20 Intersect N + S line at Cor to Secs 21, 22, 27 + 28. from which W. on true line bet Secs 21 + 28.
40.10 Set Charred Cottonwood Post 3+3 in 4 ft long. 2 ft deep marked 1/4 on N Side with reg Mound of earth + pits for 1/4 Sec. Cor

S. L. Meridian

20.20 The Cor. to Secs 20, 21, 28 & 29.
Land mostly level flat & Brush
Soil 1st rate.
No Timber
Mountainous on 14.00 Chs

North bet. Secs 20 & 21.
Var 16° 35' E.

40.00 Set Sand Stone 12 x 7 x 5 - 8 in deep.
Marked 1/4 on N. Side, with reg Mound
of earth & pits for 1/4 Sec. Cor.

80.00 Set Stone ~~Mound~~ Sand 13 x 9 x 5; 8 in deep
Marked 3 notches on S & W on E. edge
With reg. mound of earth & pits for Cor.
to Secs. 16-17-20 & 21.
Land level flat & Gentle N & S Slopes
Soil 1st rate
No Timber

East on random line bet Secs 16 & 21

130

Subs T. 17 S. R. 10 E.

Var 16° 35° E.

40.00 Set temp 1/4 Sec. Cor.

50.00 Enter Hills - bears N + S.

73.00 Leave " " NE + SW

79.25 Wash Drains No.

80.07 Intersect N + S line 13 lks S. of Cor. to Sec's. 15, 16, 21 + 22 from which S. 89° 54' W. on true line bet Sec's 16 + 21.

40.03 Set Charred Cottonwood post 3x3 in 4 ft long, 2 ft deep. marked 1/4 on N. side with reg. mound of earth + pits for 1/4 Sec. Cor.

80.07 The Cor to Sec's 16, 17, 20 + 21.

Land Mostly level flat.

Soil 1st rate

No Timber

Mountainous on 23.00 Chs

40.00

50.00

60.20

65.00

Work bet Sec's 16 + 17.

Var 16° 35' E.

S. L. Meridian

4.000 Set Sand Stone 14x8x5 - 9 in deep
marked 1/4 on N. side with reg mound
of earth & pits for 1/4 Sec. Cor.
42.00 Leave flat bears NE & SW.
52.00 Ridge " " "
58.50 Enter flat " " "
80.00 Set Sand Stone 14x11x6 - 9 in deep
Marked 4 notches on S & E edges with reg.
Mound of earth & pits for Cor to Secs 8, 9, 16 & 17.
Land mostly level flat
Soil 1st rate
No Timber
Mountainous on 16.50 Chs

East on random line Set Secs 9 & 16
Var 16° 35' E.

40.00 Set temp 1/4 Sec Cor.
50.00 Wash Drains N.E.
60.20 Wash " " "
65.00 Enter hills bears S & NE

132

Subs Tp 17 S. R. 10 E.

80.05	Intersect N & S line 11 lk's S of Cor. to Sec's 9, 10, 15 & 16 from which S. 89° 55' W on true line bet Sec's 9 & 16	77.50
40.02	Set Charred Cottonwood post 3 x 3 in 4 ft long. 2 ft deep marked 1/4 S on N side with reg. mound of earth & pits for 1/4 sec. Cor.	80.00
80.05	The Cor. to Sec's 8, 9, 16 & 17. Land mostly level. flat. Soil 1st rate No Timber Mountainous on 15.05 Ch's	
		25.00
	North bet Sec's 8 & 9.	40.00
	Var 16° 35' E.	53.00
7.50	Wash drains N.E.	70.00
17.50	" " E.	77.00
25.50	Top of small Knoll	80.60
40.00	Set sand stone, 18 x 14 x 6. 12 in deep marked 1/4 on N side with reg. mound	

4th Meridian

of earth pits for 1/4 sec. Cor
77.50 Mark drains N.E.
80.00 Set sand stone 6 x 12 x 4, 11 in
deep. marked 5 notches on S + E
on E edges with reg. mound of earth
and pits for Cor to secs 4, 5, 8 + 9
Land level flat.
Soil 1st rate
No Timber

East on random line bet Secs 4 + 9.
Var 16° 40' E.
25.00 Mark drains N.E.
40.00 Set temp 1/4 sec. Cor.
53.00 Mark drains N.E.
70.00 Enter Hills - bears N + S.
77.00 Level Plane.
80.60 Intersect N + S line 61 lks N of Cor
to secs 3, 4, 9 + 10 from which N.
89° 34' W on true line bet Secs 4 + 9

Sub's 2/17 S. R. 10 E.

4030 Set Charred Collonwood post 3x3 in. 4 ft. long 2 ft. deep marked 1/4 S. on N side with reg. Mound of earth & pits for 1/4 sec Cor.

8060 The Cor to sec's 4, 5, 8 & 9.
Land level flat.
Soil 1st rate
No Timber
Mountainous on 10.60 Ch's

North on random line bet sec's 4 & 5
Var 16° 40' E.

1550 Wash drains S.E.

4000 Set temp 1/4 sec. Cor

8010 Intersect N. boundary of T/p at Cor. to sec's 4 & 5, established by me from which S. on true line bet sec's 4 & 5

4010 Set sand stone 14 x 6 x 5 - 9 in deep marked 1/4 on W. side with

8010

Note:

80
21.6
22.6
23.0
31.7

S L Meridian

reg. mound of earth & pits for 1/4 Sec. Cor.

80.10 The Cor. to Sec's 4, 5, 8 & 9

Land level flat.

Soil 1st rate

No Timber

Note:-

At this point compared line last run with Meridian obtained by an observation of Polaris, and find the two to substantially agree.

Sep. 29th, 1880.

North bet Sec's 31 & 32.

Var 16° 45' E.

800	Wash drains		N.E.
21.60	"	"	"
22.60	Same	"	NW
23.00	"	"	N.E.
31.75	"	"	"

Subs Tp 17 S. R. 10 E.

40.00	Set Charred Cottonwood Post 3×3 in. 4 ft long. 2 ft. deep, marked 1/4 S on W. side with reg. mound of earth & pits for 1/4 Sec. Cor.	39.88
58.20	Wash drains S.E.	
71.25	" " N.E.	
80.00	Set Charred Cottonwood Post. 3×3 in., 4 ft long, 2 ft. deep, marked 1 notch on S. & S on E edges with reg. mound of earth & pits for Cor. Loses Sq. 30, 31 & 32.	79.78
	Land level flat. Soil 1st rate. No Timber	3.00
		14.00
	Easton random line Bet Secs 29×32 Var 16° 30' E.	18.50
		40.00
36.00	Wash drains N.	61.70
40.00	Set temp 1/4 Sec Cor	
79.78	Intersect N & S. line 50 Lks. Sof	68.50

S. L. Meridian

Cor. to Sec's 28, 29, 32 & 33 from which
S. 89° 38' W. on true line bet Sec's 29 & 32

39.88 Set Charred Cottonwood post 3 x 3 in.
4 ft long. 2 ft. deep. Marked 1/4 S. on N
side with reg. mound of earth &
pits for 1/4 Sec. Cor.

79.78 The Cor. to Sec's 29, 30, 31 & 32.
Land level flat.
Soil 1st rate
No Timber

West on random line bet Secs 30 & 31
Var 16° 35' E.

3.00 Wash drains N.E.
14.00 Same " S.E.
18.50 " " N.E.
40.00 Set temp. 1/4 Sec. Cor.
61.70 Wash drains N.E.
leave flat bears NW & SE.
68.50 Clay ridge bears NW & SE

Sub's T. 17 S. R. 10 E.

7.50	Wash drains NW.	
80.00	Intersect W boundary of Sub's 25 lks S. of Cor to Sec's 30 & 31 from which S. 89° 49' E. on true line bet Sec's 30 & 31	80.00
40.00	Set Charred Cottonwood post 3 x 3 ins, 4 ft long - 2 ft deep with reg. Mound of earth & pits for 1/4 Sec Cor	
80.00	The Cor. to Sec's 29, 30, 31 & 32	
	Land mostly level flat.	
	Soil 1st rate	
	No Timber	
	Mountainous on 18.30 Chs	
		25.50
	North bet. Sec's 29 & 30	40.00
	Var 16° 35° E.	42.00
50.00	Wash drains NE.	80.00
7.50	" " "	
19.50	Ridge bears NE & SW	
40.00	Set Charred Cottonwood post	40.00

3x3 in. 4 ft long, 2 ft deep. marked 1/4 S. on W. side with reg mound of earth & pits for 1/4 sec. Cor.

80.00 Set Charred Cottonwood post 3x3 in, 4 ft long, 2 ft deep. marked 2 notches on S & 5 on E. edges, with reg mound of earth & pits for Cor to sec's 19, 20, 29 & 30.

Land level flat;

Soil - 1st rate

No Timber

East on random line bet Secs. 20 & 29

Var 16° 35' E.

25.50 Wash drains N.E.

40.00 Set temp 1/4 sec. Cor.

42.00 Wash drains N.E.

80.00 Intersect N & S line 38 lks N of Cor. to secs. 20, 21, 28 & 29 from which N. 89° 44' W on true line bet sec's 20 & 29

40.00 Set Charred Cottonwood post 3x3 in, 3 ft long

140

Sub's Tp 17 s. R. 10 E.

1½ ft deep, with reg. mound of earth & pits for 1/4 sec. Cor.

80.00 The Cor to sec's 19, 20, 29 & 30.

Land level flat.

Soil. 1st rate

No Timber

West on random line bet Sec's 19 & 30

Var. 16° 35' E.

31.20 Wash drains N.E.

40.00 Set temp. 1/4 sec Cor.

41.50 Wash drains N.E.

55.15 Wash " N. - Enter Hills

bears N E & S W

62.25 Wash drains N.E.

73.00 Leave Hills

80.08 Int. N boundary of Twp 50 lks N of Cor. to sec's. 19 & 30. from which N 89° 39' E on true line bet sec's 19 & 30

40.08 Set Charred Cottonwood post

80.08

31.50

40.00

58.00

70.00

80.00

S. L. Meridian

3 x 3 in., 3 ft long. 2 ft deep;
marked 1/4 on N. side with reg.
Mound of earth & pits for 1/4 sec.
Cor.

80.08 The Cor. to Secs. 19, 20, 29 & 30.
Land mostly level flat;
Soil - 1st rate.
No Timber
Mountainous on 17.85 Ch's

North bet Sec's 19 & 20
Var. 16° 35' E.

31.50 Ridge bears N.E. & SW
40.00 Set Charred Cottonwood post
3 x 3 in., 4 ft long, 2 ft deep, marked
1/4 S. on W, side with reg. mound
of earth & pits for 1/4 sec. Cor.
58.00 Wash drains N.E.
70.00 Enter hills bears NE & SW
80.00 Set Cobblestone 11 x 8 x 7 marked 3

Secs. 7 & 17 T. 17 S. R. 10 E.

Notches on S. and S on E edges with stone mound for Cor to Secs 17, 18, 19 & 20

Land mostly level flat.

Soil 1st rate, 80.19

No Timber

Mountainous on 10.00 Chs

East on random line bet Secs 17 & 20

Var. 16° 35' E.

3.00 Enter flat bears NE & SW

21.50 Wash drains N.E.

25.00 Level flat bears NE & SW 900

36.50 Ridge bears NE & SW. 40.00

40.00 Set temp. 1/4 Sec Cor. 44.25

43.00 Enter flat bears NE & SW 58.00

63.00 Wash drains N.E. 66.50

80.19 Int. N & S. line 26 lks N. of Cor to Secs 16, 17, 20 & 21, from which N. 89° 49' W. on true line bet Secs 17 & 20. 80.04

40.19 Set Charred Cottonwood post 4 x 4 in 40.04

4 ft long 2 ft deep, marked 1/4 on
N side with reg. mound of earth
& pits for 1/4 Sec Cor

80.19 S W Cor to Secs 17, 18, 19 & 20

Land mostly level flat
Soil 1st rate
No timber
Mountainous on 21.00 Chs

West on random line bet Secs 18 & 19
Va 16° 30' E.

9.00 Ridge bears NE & SW.
40.00 Set temp. 1/4 Sec. Cor.
44.25 Wash drains N.E.
58.00 Enter flat bears NE & SW.
66.50 Wash drains N.E.
80.00 Intersect W boundary of Tp 25
Mds N of Cor to Secs 18 & 19. From which N.
89° 49' W on true line bet Secs 18 & 19.
40.04 Set Charred Cottonwood post 3x3 in. 4 ft long 2 ft deep

Subs Tp. 17 S R. 10 E

	marked 1/4 on N. side with reg.	80.00
	mound of earth & pits for 1/4 Sec Cor.	
80.00	The Cor. to Secs 17, 18, 19 & 20.	
	Land mostly broken clay ridges &	
	Soil 3d & 1st rate	
	No Timber	
	Mountainous on 58.00 Chs	
	Sep. 30th, 1880.	

North bet. Secs 17 & 18.
Var 16° 35' E.

8.00	Ridge bears NE & SW.	
9.50	Enter flat. bears NE & SW	
35.50	Wash drains NE.	20.50
40.00	Set Charred Cottonwood post.	36.00
	4 x 4 in, 4 ft long 2 ft deep marked	40.00
	1/4 S on W. side with reg. mound	63.00
	of earth & pits for 1/4 Sec Cor.	66.00
55.10	Wash drains NE	72.00
73.00	" " "	80.1

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4th Meridian

80.00 Set Charred Cottonwood Post.
3 x 3 in. 4 ft long, 2 ft deep.
marked + notches on S. and
4 on E. edges with reg. mounds
of earth + pits for Cor to Secs
7, 8, 17 + 18.
Land Mostly level flat
Soil 1st rate
No Timber
Mountainous on 9.50 Chs

Cost on random line bet secs 8 + 17
Var 16° 35' E.

20.50 Wash drains N.E.
36.00 " " "
40.00 Set temp. 1/4 Sec Cor
63.00 Wash drains S.E.
66.00 " " "
72.00 " " N.E.
80.18 Intersect N + S line 32 Lks S. of Cor

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Sub's Tp 17 S R. 10. E.

to Sec's 8, 9, 16 & 17 from which
S. 89° 46' W. on true line bet sec
8 & 17.

40.09 Set Charred Cottonwood Boat
3 & 3 in. 4 ft long, 2 ft deep.
marked 1/4 S. on N side
with reg. mound of earth &
pits for 1/4 sec. Cor.

80.18 The Cor to sec's 7, 8, 17 & 18.

Land level flat.
Soil 1st rate
No Timber

West on random line bet secs 7 & 18
Var 16° 35' E.

6.00 Wash drains S.E.
7.50 Leave flat bears NW & SW
34.50 Gulch drains S.E.
40.00 Set temp 1/4 sec Cor
56.00 Hollow drains SE

BOOK-

A

77.00 En
80.00 In
N.
N.
40.00 S
4
on
80.00
11.00
16.00
21.25
33.50

4th Principal Meridian

7.00 Enter flat bears. NW & SE

0.00 Int. W boundary of Twp 2 N Rs
No. of Cor. to Secs 7 & 18, from which
No. 89° 49' E. on true line bet Secs 7 & 18
40.00 Set Charred Cottonwood post 4"x4" in.
4 ft long, 2 ft deep. marked 1/4 S.
on N. side, with reg. mound of
earth & pits for 1/4 Sec. Cor.
80.00 The Cor to Secs 7. 8. 17 & 18.
Land mostly rolling, bench, ridge
Soil 1st rate
No Timber
Mountainous on 69.50 Chs

North bet Secs 7 & 8
Var 16° 30' E.

11.00 Leave flat bears NE & SW
16.00 Ridge bears NE & SW
21.25 Hollow drains SW
33.50 Ridge bears NW & SE

Subs T'p 17 S. R. 10 E.

3425 Hollow drains S.E.

4000 Set Sand stone 11×11×4 6 in deep marked 1/4 on W. side with reg. mound of earth & pits for 1/4 sec. Cor.

4200 Enter flat bears NE & SW

8000 Set Sand stone 12×10×7, 8 in d marked 5 Notches on S & E edge with reg. mound of earth & pits for Cor to sec's 5-6-7 & 8.

Land mostly level flat.

Soil 1st rate

No Timber

Mountainous on 31.00 Chs

East on random line bet sec's 5 & 8

Var 16° 35' E.

4000 Set temp 1/4 sec Cor

7700 Wash drains S.E.

8010 Intersect N & S line 55 lks S. of

4

S. L. Meridian

Cor. to Secs. 4, 5, 8 & 9 from which
S. 89° 36' W. on true line bet Secs 5 & 8
40.05 Set Charred Cottonwood post 3" x 3" in.
4 ft long, 2 ft deep, Marked 1/4 S. on
N. side with reg. Mound of earth
& pits for 1/4 Sec. Cor
80.10 The Cor to Secs 5. 6. 7 & 8.
Land level flat
Soil 1st rate
No Timber

West on random line bet Secs 6 & 7.
Var 16° 35' E.
40.00 Set temp. 1/4 Sec. Cor.
73.00 Enter bench bears N. & S.
80.00 Intersect N boundary of T 5 S
21 lks S. of Cor to Secs 6 & 7 from
which S. 89° 5' 1" E on true line bet
Secs 6 & 7.
of 40.00 Set Sand Stone 12 x 11 x 4 S inscribed

150

Sub's Tp 17 S R. 10 E.

Marked 1/4 on N side, with reg
Mound of earth & pits for 1/4
sec. Cor.

80.00 The Cor to sec's 5, 6, 7 & 8.

Land mostly level flat.
Soil 1st rate
No Timber.

North on random line bet sec's 5 & 6
Var. 16° 35. E.

14.50 Wash drains N.E.

26.00 " " S.E.

40.00 Set. temp 1/4 sec. Cor.

45.00 Low ridge bears NW & SE.

80.40 Intersect N boundary of Tp
at Cor. to sec's 5 & 6. from
which S. on true line bet sec's 5 & 6.

40.40 Set Charred Cottonwood Post.
3 x 3 in, 4 ft long, 2 ft deep mark
1/4 S. on W side with reg mound of

Salt Lake Meridian

earth & pits for 1/4 Sec Cor

80.40 The Cor to Secs 5, 6, 7 & 8.

Land mostly level flat,

Soil 1st rate.

No timber.

Oct 1st 1880.

Note:-

At close of survey observed Polaris and find the line last run to agree with the Meridian ~~line~~ obtained —

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General Description

The Surveyed portion of
this Township embraces
Some fine flats and
benches, which can be
irrigated from Huntington
Creek There is plenty of water
Wood & Coal, as well as
good building rock in
immediate vicinity.

A D Perron
U.S. Dep. Surveyor

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9th *1880*

The foregoing field notes of the survey of the

Subdivision lines of

Township No 17 S. *Range No* 10 E.,

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Ferrin

Under his *contract No* 97

of the 16th *day of* Aug. *1880,*

in the month of Sept & Oct *1880,*

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Jno. Salisbury

U. S. Surveyor General for Utah.

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FOR CHAINMAN.

We [illegible]

and [illegible]

do solemnly swear that we will faithfully execute the duties of chain carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we asssist in measuring, to the best of our skill and ability,

[illegible]

[illegible]

Subscribed and sworn to before me

this 4th. day of September 1880

[illegible]

[illegible]

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FOR FLAGMAN.

I, John N. Johnson

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

John N. Johnson

Subscribed and sworn to before me this 4th. day of September, 1880

Augustus D. Penrose
U. S. Dep. Surveyor.

FOR AXEMAN

We Simon C. Drollinger and Frederick Wolfley.

do solemnly swear that I will well and truly perform the duties of axeman, according to instructions given me, and to the best of my skill and ability. Simon C Drollinger

Frederick Wolfley.

Subscribed and sworn to before me this 24th day of September 1880

Augustus L. Simon

N. C. Dep. Surveyor.

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R: Ex 1959E

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Filed Oct. 6 ... 23rd 1880

Examined by T. C. Bailey

Compared by " " "

FIELD NOTES

OF

THE SURVEY OF THE

West, North, & East Boundaries

of Township No. 19 South Range No. 9 East

of the Salt Lake Meridian in Utah Territory.

of which the first 2 Miles of the North Boundary are Retraced

BY

A. D. Ferrow

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97.

dated August 16th 1880

Survey commenced Sept 4th 1880

Survey completed " 17th 1880

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West boundary Th 19S. R. 9 E..

Note:- Survey Commenced Sept 4th, 1880
The instrument used is a "Young" Polar Transit No 49.01 examined & approved by the U.S. Surveyor General, and tested on a Meridian obtained by An observation of Polaris Before Using

Note:-
The Northwest Cor. of this Township being established & the boundary not being Surveyable on account of falling in impracticable breaks of the Paw Rafael River and its side drainage I Commenced at the Cor to Twps 18 & 19 S. R. 8 & 9 E. which agrees with the description furnished me by the Office Viz:- Sandstone 24" 2 x 20.

162

W. Boundary Tp 19 S. R. 9. E.

Which I find in good Condition from which I run South bet. Sec's 1 & 6.

Var 16° 45' E.

6.50 Road bears E & W

9.75 Cottonwood Creek 75 lks wide 12 in deep runs SE.

12.00 Ascend - leave bottom

25.00 Top of Cañon breaks.

28.00 Hollow drains SE

35.70 Same " SW.

40.00 Set sand stone 15 x 12 x 6. 10 in deep - marked 1/4 on W side with stone mound for 1/4 sec Cor.

45.50 Hollow drains SW

65.00 Box Cañon Drains SE

70.00 " " " "

80.00 Set sand stone 48 x 30 x 2 - 2 ft deep. Marked 1 Notch on

S L Meridian

N and 5 on S edges with
Stone mound for Cor. to Sec's 1, 6, 7 & 12.
Land Mostly broken mountains
Soil 3d. & 1st rate
No Timber
Mountainous on 80.00 Ch's

South bet. Sec's 7 & 12
Var 16° 45' E.

7.00 Box Cañon drains N.E.
14 50 Small Box " " NW
4000 Set sand stone 22 x 14 x 4, 15 in
deep. marked 1/4 on W. side
with reg. mound of earth &
pits for 1/4 Sec. Cor.
53.75 Box Cañon drains N.E.
8000 Set sand stone 36 x 14 x 6 - 20 in
deep. marked 2 notches on N
& 4 on E. Edges with stone mound
for Cor. to Sec's 7, 12, 13 & 18

+

164

W. Bndry Tp 19 S. R. 9 E.

Land broken Mountains
Soil 3rd rate
No Timber
Mountainous on 80.00 Ch's

South bet Sec's 13 & 18
Var 16° 45' E.

10.00 Descend into breaks bears NE & SW
40.00 Set lime stone 11 x 10 x 6 - 6 in deep marked 1/4 on W. side, with reg. mound of earth & pits for 1/4 Sec. Cor.
70.75 "Big Wash" from Rock Cañon & Spring branch 10 lks wide, 3 in deep runs E.
78.00 Road bears NW & S.E.
80.00 Set lime stone 16 x 7 x 6 11 in deep, marked 3 Notches on N & S. edges with stone mound for Cor to Sec's 13, 18, 19 & 24, from

(165) + 166

165 + 166

J. L. Meredean

which a post marked
"North centre stake of "Black
Demon" Jet mine. Located
Aug. 14th, 1879., bears:-
S. 10°30' E. - 9.30 Chs dist.
Land Broken Mountains
Soil 3rd rate
No Timber
Mountainous on 80.00 Chs

Note:- As the line further South
should not embrace
any land Surveyable
according to law I
Abandon. Same —

Re-survey of N. boundary Tp. 19 S R. 9. E.

From the Cor to Tp's 18 & 19 S. R. 8 & 9 E previously indentified. I run E on "Re survey" line bet Sec's 6 & 31

Var 16° 45' E.

930	Road bears N & S.
1050	Low ridge bears N & S.
1500	Previous road bears N & S. in small hollow - drains S.
1850	Low ridge bears N & S.
2000	Enter flat.
2500	Road bears N & S.
3100	Leave flat. -
4000	In Hollow drains S - Find a Sand stone 10 x 9 x 7 in. , which I indentify as the Original 1/4 Sec. Cor. according to the description furnished me by the office which I perpetuate by erecting a stone mound 3 ft high
4500.	Foot of Bluff - bears N & S.

Put in corner

BOOK-

5300
78.70
8000
200
2200

S L Meridian

5300 Top of Same

78.70 Descend into Hollow - drains S.

8000 Not finding the Original Cor.
I established the point by
setting a Sand Stone 24×9×5
18 in. deep. marked 5 notches
on E & 1 on W. edges with
Stone mound for Cor to Sec's
5, 6, 31 & 32.

Land mostly broken Mountains
Soil 3d & 1st rate.
No Timber

~~Mountainous on 69.00 Ch's~~

Note:- ~~New old survey ends and~~
~~New survey Commences~~

East on ~~random~~ Re-survey line bet Secs 5 & 32
Var 16° 45' E.

200 Hollow drains S.

2200 Head of Hollow drains SW

X

170

North Boundary T. 19 S.

not finding the old corner I
40.00 Set Sand Stone 15 × 12 × 5 - 10 in deep Marked 1/4 on N. side with stone mound for 1/4 Sec. Co
40.25 Bluffs 175 ft. high. Descend
50.00 Foot of Same - Enter rolling Bench
not finding the original corner I
80.00 Set Sand Stone 14 × 11 × 4 - 9 in deep. Marked 4 Notches on E & 2 on W. edges with reg. mound of earth & pits for Cor to sec's 4, 5, 32 & 33.

Land Mountains & rolling Bench
Soil 3d & 2d rate
No Timber

+ Note: Here the old survey ends and the new survey commences.

East on true line bet sec 4 & 33
Var 16° 30' E.

18.50 Road bears NE & SW - Enter bottoms & heavy undergrowth.
25.40 Road bears NW & SE

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R. 9 E. S. L. M.

36.00 Huntington Creek 150 lks wide
12 in deep. runs S.E.
Higby's Cabin bears N. 20 Ch's dist.
40.00 Set sand stone 12 x 8 x 6 - 8 in
deep. marked 1/4 on N. side with
reg. mound of earth & pits for
1/4 sec. Cor. from which Powel's
Cabin bears S. 50°. E. 40 Ch's dist.
52.00 Leave bottoms & Undergrowth - Ascend,
67.50 Ridge bears N & S.
75.00 Enter flat.
80.00 Set Sand stone 16 x 7 x 6 - 10 in deep
marked 3 notches on E. & W. edges with
Stone Mound for Cor to Sec's 3, 4, 33 & 34
Land - Mountains, Bench & Bottoms
Soil 2d & 1st rate
No Timber
Mountainous & undergrowth on 56.50 Ch's.

East on true line bet Sec's 3 & 34

N. boundary of T. 19 S. R.

Var 16° 30' E

3.00	Wash drains S.W. Ascend	
25 25 -	Sandstone ledge bears NE & SW	
40.00	Set Sandstone 18 x 18 x 5, 12 cu	2.50
	deep Marked 1/4 on N. side	25.50
	with stone mound for 1/4 sec Cor	31.50
60.00	Head of rocky hollow bears SW	35.50
61.50	" " " " " "	40.00
72.00	Burnt Sandstone ridge bears S.W.	
75.00	Hollow drains S.W.	45.50
80.00	Set Sand Stone 15 x 12 x 2 12 cu	50.00
	deep Marked 2 Notches on E & 4 on W	55.50
	edges for Cor to Sec's 2, 3, 34 & 35	68.50
	Land broken Mountainous	80.00

Soil 3d rate

No Timber

Mountainous on 77.00 Chs

173

9 E. S. L. M

Caston true line bet sec's
2 & 35
Var 16° 30' E.

21.50 Hollow drains NE
25.50 " " S
31.50 Same " NE
35.50 " " S.E.
40.00 Set sand stone 24 x 20 x 20 - 18 in
deep, marked 1/4 on N side with
stone mound for 1/4 sec. Cor
45.50 Hollow drains NW.
50.00 " " "
55.50 " " NE.
68.50 " " N
80.00 Set sand stone 34 x 15 x 5 = 20 in
deep marked 1 notch on E. &
5 on W. edges with stone
mound for Cor to sec's 1, 2, 34 & 35
Land broken, barren & rocky
Soil 3d rate

X

174

N. Boundary T. 19 S. R 9 E

Mountainous on 80.00 Ch's

East, on true line bet secs 1 & 36
Var. 16° 30' E

650 Junction of 2 Hollows head E & S.

1300. Same Hollow head S. E.

1800. Ridge bears N & S.

2300 Hollow drains N.

4000 Set Quartzite 14×10×8 - 9 in deep marked 1/4 on N side for 1/4 sec. Cor.

6500 Wash drains S.

7000 " " S.W.

8000 At mouth of Cove in Cedar ridge set sandstone 13×14×12 20 in. deep, marked 6 notches on N. E. S & W edges. with stone mound 4 ft high for Cor to Twp 18×19 S R 9×10 E

Land Very broken & rocky

Soil 3d rate

No Timber

Mountainous on 80.00 Ch's Sep 6 1880

BOOK

E Bra

Note:-

500

950

1850

4000

5500

5725

E Bndry 19 S R 9 E 5th Meridian

Note:- At this point observed Polaris and find the meridian to agree substantially with line East run.

East boundary Township 19 S. R 9 E.

From Cor. to Townships 18 & 19 South Range 9 & 10 E. - Run South 80 chs 1 & 6. Var 16° 30' E.

50.0	Hollow drain NW.
9.50	Enter Cedars.
18.50	Hollow drain SW.
40.00	Set Quartzite 14 x 9 x 7 - 9 in deep marked 1/4 on W. side with Stone Mound for 1/4 sec. Cor; Leave Cedars — too small for marking
55.00	Enter rolling hollow drain NW
67.25	Green Riverwood bears E & W.

E Bndry 19 S R. 9 E.

BOOK-

63.50	Wash drains SW	2.50
69.00	" " " Ascend	2.00
80.00	Set Quartzite 13x10x8–8in deep, marked 1 notch on S & 5 on E edges, with stone mound for Cor to Sec's 1, 6, 7 & 12	
	Land broken Mountains	
	Soil 3d rate	
	Timber – a few scrub Cedars	
	Mountainous on 80.00 Chs	
	South bet Sec's 7 & 12.	
	Var 16° 30' E	
7.65	Indian grave on line	
15.00	Gulch drains SW	14.00
31.00	Enter flat. Bears E & W	28.00
40.00	Set sand stone 26x13x7	30.00
	18 in deep, Marked 1/4 on West	10.00
	with stone mound for 1/4 Sec Cor	6.30
47.00	Wash drains W. Ascend	20.00

S L Meridian

250	Rocky wash drains N.W.
0.00	On top of Sand Stone Edge 12 ft high, bears N E & S W. Marked a cross with 2 notches on N. & 4 on S. arms (⧾) with Stone mound for Cor to Sec's 7, 12, 13 & 18 –
	Land mostly broken Mountains.
	Soil 3d rate
	No Timber
	Mountainous on 64.00 Ch's
	Sow hot Sec's 13 & 18
	Var. 16° 30' E.
1400	Wash gulch drains N.E.
2800	Top of boulder ridge bears N E & S W
33.00	Leave rocks
40.00	Set Sandstone 14 x 10 x 6 in. 10 in. Deep, marked 1/4 on W. side with mound of stones for 1/4 sec. cor.
630	Gulch drains S.E.
80.00	Set sand stone 18 x 8 x 4 – 12 in deep marked 3 notches on N & S. Edges –

178

E Bry 19 S R-9-E.
S L Meridian

With stone mound for Corto
Sec's 13, 18, 19 & 24
Land broken Mountains
Soil 3rd rate
No Timber
Mountainous on 80.00 Ch
Sep. 7th, 1880.

Note:- As the line here enters the
San Rafael breaks, I
Abandoned the same —

Note:-
For General Description
See Subdivision of the
Township

A D Ferron
Dep Surveyor

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9 1883

The foregoing field notes of the survey of the

Exterior boundaries of

Township No 19 S., *Range No* 9 E.

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Firm

Under his *contract No* 97

of the 16 *day of* Aug. 1880,

in the month of Sept. 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Ira Salmon

U. S. Surveyor General for Utah.

13

180

B00

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R: Sub 19S 9E

181

Filed October 23rd 1880

Examined by T. C. Bailey

Compared by

FIELD NOTES

OF

THE SURVEY OF THE

Subdivision

of Township No. 19 South, Range No. 9 East

of the Salt Lake Meridian in Utah Territory.

BY

A. S. Fenton,

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97.

dated August 16th 1880.

Survey commenced Sept. 7th 1880

Survey completed Sept 9th 1880,

O.R. Bailey 1899

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Subs Tp 19 S. R. 9 E. 183

The instrument used is Solar Transit No 1901, W. J. Young & Sons, Makers, Philadelphia Examined and approved by the U.S. Surveyor General, And again tested before using on a Meridean obtained by an Observation of Polaris

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Note The South & East part of this Township not being Surveyable, on account of Unavailable lands, Therefore from the Cor to Secs 18 & 19, on the W. Boundary of the Tp. I run East on true line bet Secs 18 & 19.

Var 16° 45' E.

0.50 Road bears NW & SE

11.00 Gulch wash drains NE

13.00 Road bears N. & S.

184

Subs T. 19 S. R. 9 E.

40.00	Set Shale 14 x 8 x 5 - 9 in deep.
	Marked 1/4 on N side with reg.
	Mound of earth & pits for 1/4 Sec.
59.00	Gulch wash drains N.E.
63.50	" " " N.
80.00	Set Sand Stone 16 x 10 x 8 - 8 in deep
	Marked 3 notches on S. and 5 on
	Edges with reg. Mound of earth
	& pits for Cor to Secs 17, 18, 19 & 20
	Land Broken Mountainous
	Soil 3d rate
	No Timber
	Mountainous on 80 00 Chs

East on true line bet Secs 17 & 20

Var 16° 40' E.

19.00	Deep rocky Gulch drains N.
33.50	Descend into Cottonwood Cr. Creek
40.00	Mounded Stationary Sand Stone
	30 x 20 x 6 in above ground marked 1/4 on

BOOK-
Salt

Salt Lake Meridian

No side, and raised a stone
mound for 1/4 Sec. Cor.
41.00 Enter Cottonwood Creek. Flat
& heavy undergrowth bears N & S.
43.50 Cottonwood Creek 100 lks wide,
10 in. deep, runs S. E.
44.00 A Cabin bears S. 5.50 Chs. dist.
48.10 A Cottonwood 12 in. diam.
58.00 Road bears NW & SE
70.00 Leave undergrowth, enter Mountains
bears N & S.
80.00 Set Sand Stone 16 x 10 x 8 - 11 in
deep Marked 3 notches on S.
& 4 on E. edges with Stone
Mound for Cor. to Sec's 16, 17, 20 & 21
Land Mountainous & Creek bottom
Soil 3rd & 1st rate
Timber — A few Cottonwoods
on creek
Mountainous & heavy undergrowth on 80 Chs

1.6

Sub's Tp. 19 S R. 9 E.

East on true line bet sec's 16 & 21
Var. 16° 40' E.

3.35 Gulch drains S. E.

26.50 Enter Huntington Creek bottom bears N. & S.

33.50 Huntington Creek, 50 lks wide 3 ft deep runs S. E.

36.90 Bend of Huntington Creek, 2 Ch's wide

40.00 Set sand stone 14 × 10 × 5 - 9 in deep
marked 1/4 on N. side with reg.
mound of earth & pits for 1/4 sec Co

45.00 Huntington Creek runs N. E.

Note:- On account of line striking throug
several bends of Huntington Cre
I offset N. 3.50 Ch's, thence E. 10 Ch

55.00 Huntington Creek runs S.

60.00 Leave Flat. Undergrowth bear
NW & S.

80.00 Set sand stone 16 × 12 × 8 - 11 in
deep marked 3 Notches on S. & E
edges with stone mound for
Cor to sec's 15, 16, 21 & 22.

X

BOOK

S.

Note:-

28.00

40.00

56.00

80.00

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S. L. Meridian

Land broken Mountains & Flat.
Soil 3d & 1st rate
Timber – A few Cottonwoods on Creek.
Mountainous & heavy undergrowth on So. Ch's.
Sept. 7, L, 1880.

Note:-

Upon examination I find that a further survey East is impracticable on account of very broken barren Mountains.

North 6 Ch. Sec's 15 & 16.
Var. 16° 30' E.

28.00 Deep gulch drains S.W.
40.00 Set Sand Stone 11×10×6 – 6 in deep.
Marked 1/4 on N. side with
Stone mound for 1/4 Sec. Cor.
56.00 Gulch drains N.W.
80.00 Set Sand Stone 11×9×7, 6 in deep
Marked 4 Notches on S. and 3 on

Sub's Tp 19 S. R. 9 E.

E edges, with stone mound for Cor. to Sec's 9, 10, 15 & 16.

Land Very broken & rocky

Soil 3d rate

No Timber

Mountainous on 80.00 Ch's

North bet. Sec's 9 & 10.

Var 16° 30' E.

18.20	Gulch drains N.W.	22.00
31.00	" " W.	40.00
40.00	Set Sandstone 10×10×7 6 in deep, marked 1/4 on W. side, with stone mound for 1/4 Sec. Cor.	61.00
52.00	Ridge bears NW & SE	68.00
68.00	Gulch drains N.W.	73.00
80.00	Set Trachyte 16×12×10 – 10 in deep. marked 5 Notches on S and 3 on E. edges with stone mound for Cor to Sec's 3, 4, 9 & 10.	73.50
		79.94
		39.94

S. L. Meridian

Land very broken & rocky
Soil 3d rate.
No Timber
Mountainous on 80.00 Ch's

North on random line bet Sec's 3 & 4
Var. 16° 30' E.

22.00	Leave broken descend on N slope
40.00	Set temp. 1/4 sec. Cor.
61.00	Green River road bears E & W
68.00	" " " " NE & SW
73.00	" " " " NW & SE
73.50	Wash drains SW
79.94	Intersect N. boundary of Tw'p 22 lk's E of Cor to Sec's 3 & 4, from which S 9' E on true line bet Secs 3 & 4
79.94	Set sandstone 16 x 12 x 3 - 11 in deep marked 1/4 on W side with reg mound of earth & pits for 1/4 sec. Cor

Sub's T/p 19 S. R. 9 E.

79.94 The Cor to Secs 3, 4, 9 & 10
Land broken Mountains
Soil 3rd rate
No Timber
Mountainous on 79.94 Ch's

North bet Sec's 16 & 17.
Var 16° 40' E.
5.75 Gulch drains S.E.
21.00 Hollow drains E.
40.00 Set Trachyte 10 x 9 x 8 - 6 in deep
marked 1/4 on W. side with
Stone Mound for 1/4 sec. Cor
40.70 Gulch drains S.E.
56.75 " " "
80.00 Set sand stone 26 x 7 x 5 - 18 in deep
marked 4 notches on S. & E edges
with stone mound for Cor to Sec's
8, 9, 16 & 17.
Land very broken Mountains

BO

860
17.00
30.00
35.00
40.00
61.00
80.66
40.33

S. L. Meridian

Soil 3rd rate
No Timber

	East on random line bet. Secs 9 & 16. Var 16° 40' E.
860	Rock gulch drains N.
1700	" " " "
3000	Enter Huntington Creek bottoms & heavy undergrowth bears N. & S. A cabin foundation 2 chs N.
3500	Huntington Creek 50 lks wide, 18 in deep, runs S.
4000	Set temp. 1/4 Sec. Cor.
6100	Leave bottoms & undergrowth.; Ascend
9066	Intersect N. & S. line, 40 lks N. of Cor. to Secs 9, 10, 15 & 16, from which N 89° 42' W. on true line bet Secs 9 & 16
40.33	Set Charred Cottonwood post 3x3 in 4 ft long - 2 ft deep marked 1/4 S. on N. side with reg. mound of earth & pits for 1/4 Sec. Cor.

Subs N. 19 S. R. 9 E.

8066 The Cor. to Sec's 8, 9, 16 & 17.
Land broken Mountains & bottoms
Soil 3rd & 1st rate
No Timber
Mountainous & heavy undergrowth on 8066 ch

North bet Sec's 8 & 9
Var. 16° 40' E.

7.50 Enter Hollow draines E.
20.00 Leave same
29.00 Gulch drains N. E.
40.00 Set Sand Stone 17 x 9 x 7 - 10 in. deep, marked ¼ on N side, with stone Mound for ¼ Sec Cor.
49.00 Gulch drains E.
67.50 Hollow. " "
78.75 " " "
80.00 Set limestone 14 x 10 x 6 - 9 in deep marked 5 notches on S & 4 on E edges with stone mound for Cor to Sec's

S. L. Meridian

4, 5, 8 & 9

Land Broken Mountains

Soil 3rd rate

No. Timber

Mountainous on 80.00 Ch's

East on random line bet Secs. 4 & 9

Var. 16° 30' E.

25 00 Enter bottoms & Undergrowth

30 50 Huntington Creek, 60 Lks wide, 18 in. deep, runs S — Ascends.

40 00 Set temp. 1/4 Sec. Cor

40 00 Gulch drains N.

52 00 " " NW

62 50 " " N.

67 50 Ridge bears N & E.

74 50 Gulch drains NW.

80.08 Intersect N & S line 46 Lks. N of Cor. to Secs 3, 4, 9 & 10. from which N. 89° 40' W on true line

Sub's Tp 19 S. R. 9 E.

Set secs 4 & 9.

40.04 Set sand stone 18 x 12 x 4 Bin deep. marked 1/4 on N. side with reg. mound of earth & pits for 1/4 sec. Cor — 39.9

80.08 The Cor. to Sec's 4, 5, 8 & 9.

Land broken mountains — 79.90

Soil 3rd rate

No Timber

Mountainous & heavy Timber on 80.08 Ch

North on random line bet Secs 4 & 5

Var 16° 30' E.

1350 Gulch drains E

1650 " " S E.

3130 Green River road bears N E & S W. — 19.75

4000 Set temp 1/4 sec Cor. — 30.10

55.50 Road bears N E & S W — 4000

69.00. Wash drains E.

79.90 Intersect N. boundary of Tp

S. L. Meridian

98 lks. E of Cor to secs 4 & 5.
from which S. 42' E on true
line bet secs 4 & 5.

39.90 Set Cobblestone 12 x 8 x 6, 8 in
deep marked 1/4 on W side, with
reg mound of earth & pits for 1/4 sec Cor

79.90 The Cor. to secs 4, 5, 8 & 9.

Land broken & rolling
Soil 2d rate
No Timber
Mountainous on 79.90 Chs
Sep. 8th, 1880

North bet. secs 17 & 18.
Var 16° 40' E.

19.75 Ledge bears NE & SW. - Descend breaks.

30.10 Spring Branch 10 lks wide, 4 in deep - Gulch runs E

40.00 On West side of Hollow drains S
Set sand stone 20 x 8 x 6 - 15 in
deep marked 1/4 on W. side

Sub's Tp 19 S. R. 9 E

	With stone mound for 1/4 sec Cor	
4950	Hollow drains N. E.	
5400	" " " "	15.00
7063	Fence at foot of hills bears NW & SE	
	Enter meadows	21.00
8000	Set sandstone 16 x 10 x 6 - 11 in	
	deep marked 4 Notches on S. x	40.0
	5 on E edges with reg. mound of	72.00
	earth & pits for Cor to sec's 7, 8, 17 & 18	80.13
	Land mostly Mountains	
	Soil 3d rate	
	No Timber	
	Mountainous on 73.63 Chs	40.0
	East on random line bet Sec's 8 & 17	
	Var 16° 40' E.	
1.50	South bend of Cottonwood Creek	80.13
	100 lks wide, 12 in deep - head NW	
Note:-	On account of various Creek	
	Crossings, I offset N. 2.50 Chs	

A. L. Meridian

	thence E- 13.50 Chs; thence
	S. 2.50 Chs to
15.00	E. side of Cottonwood Creek
	50 Lks wide - 12 in deep, runs SE
21.00	Leave bottom & undergrowth -
	Road bears NW & SE.
40.00	Set temp 1/4 Sec Cor
72.00	Gulch drains N.
80.13	Intersect N & S. line, 41 Lks N.
	of Cor to Sec's 8, 9, 16 & 17 from
	which 89° 42' W on true line bet
	Sec's 8 & 17
40.06	Set Sand Stone 17 x 6 x 5 - 10 in deep
	marked 1/4 on N side, with
	reg. mound of earth & pits for
	1/4 Sec Cor
80.13	The Cor. to Sec's 7-8, 17 & 18
	Land mostly broken Mountains
	Soil 3d rate
	No Timber.
	Mountainous & heavy undergrowth on 80.13 Chs

Sub's Tp 19 S. R. 9 E

West on random line bet sec 7 & 18
Var. 16° 40' E.

7.20 Fence bears NW & SE
Leave flat

22.50 Hollow drains NE.
Road bears NE & SW

40.00 Set temp 1/4 sec Cor. in 0.00
Hollow drains SE

50.00 Hollow " "

62.00 " " S.

69.50 " " "

80.18 Intersect W. boundary of Tp
at Cor to sec's 7 & 18 from
which E- on true line
bet secs 7 & 18

40 x 8 Set sandstone 12 x 8 x 6-8 in
deep marked 1/4 on N. side 1.50
with stone mound for 1/4 sec Cor

80 x 8 The Cor to sec's 7, 8, 17 & 18 8.50
Land mostly broken Mountains

D L Meridian

Soil 3d rate
No Timber
Mountainous on 72.80 Chs

North bet secs 7 & 8.
Var 16° 40' E.

0.00 Take the following bearings, to houses in Wilsonville:—
Gibsons bears N. 70° 30' W.
Wilson's Granary bears N. 62° 30' W.
" House bears N 37° 45' W.
Boyle's " bears N 42° 15' W.
A Group of 3 Cabins bears N 34° 15' W.
Burdick's " N 22° 15' W.
Wolfley's " N 10° 45' W.
Swaggey's Cabin " N 25° 45' W
1.50 West bend of Creek 100 lks wide
10 in. deep, runs S E.
2.50 Cottonwood Creek 100 lks wide
10 in deep runs S E

200

Sub's Tp 19 S. R. 9 E.

11.50	Same runs SW
19.50	Road bears NE & SW
20.00	Wilson's House bears S. 32° 45' W
	" Granary " S 53° 15' W
	Gibsons House " " S 34° 15' W
	Group of 3 Cabins " " S 41° 30' W
	Burdick's House " " S 68° 45' W
	Wolfley's " " " S 70° 00' W
	Boyle's " " " S 61° 15' W
	Swasey's " " " S 72° 00' W
21.50	Slough 100 lks wide bears NW & SE
32.26	A Cottonwood 2 in, dia.
35.00	Cottonwood Creek 60 lks wide, 10 in. deep, runs SE.
40.00	Set sand stone 16 x 12 x 8 - 10 in deep, marked 1/4 on W. side with stone mound for 1/4 sec. Cor.
47.50	Leave under growth
61.85	Road bears NW & SE
80.00	Set sand stone 26 x 10 x 4

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S. L. Meridian

18 in deep Marked 5 Notches on
S & E. edges with Stone mound
for Cor to Secs 5, 6, 7 & 8.
Land Good bottom & Bench
Soil, stratified
No Timber
Heavy undergrowth on +7.50 Chs.

Course on random line bet Secs 5 & 8
Var 16° 45' E

11.50	Gulch drains S.E.
18.00	" " S.
22.00	Low ridge bears NE & SW
39.10	Road bears NE & SW.
+0.00	Set temp 1/4 Sec Cor.
40.75	Road bears N. & S.
67.40	Wash drains NE
80.72	Intersect N. & S. line 27 lks N. of Cor to Secs 4, 5, 8 & 9. from which N. 89° 48' West on true line bet Secs 5 & 8

Sub's T'p 19 S. R. 9 E.

40.36	Set sand stone 15 x 7 x 5 10 in deep. marked 1/4 on N. side	42.25
	With reg. mound of earth	5000
	& pits for 1/4 sec Cor.	6800
80.72	The Cor to sec's 5, 6, 7 & 8	80.10
	Land broken Hills	
	Soil 3rd rate	
	No Timber	
	Mountainous on 80.72 Ch's	40.10

West on random line bet Secs 6 & 7
Var 16° 45' E.

Note:-

	On account of impossible bluff, I offset South 14 ch's, thence W. 32 ch's, thence N. 14 chs, to—	80.10
32.00	Foot of West bluff.	
37.10	Road bears N. & S.	
40.00	Set temp 1/4 sec Cor	

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D. L. Meridian

42.25 Cottonwood Creek, 50 lks wide
12 in deep, runs S.E.

60.00 Mouth of Hollow, Ascend

68.00 Forks of Hollow

80.10 Intersect N boundary of Tp. 22
lks, N. of Cor. to secs 6 & 7; from
Which N. 89° 51' E. on true line
Set. secs 6 & 7.

40.10 Set Charred Cottonwood post
3 x 3 in, 4 ft long, 2 ft deep
Marked 1/4 S on N. side with reg
Mound of earth & pits for
1/4 sec Cor.

80.10 The Cor to secs 5, 6, 7 & 8
Land broken Mountains &
Bottom
Soil 3d & 4th rate
Timber a few Cottonwoods on
Creek
Mountainous & Undergrowth on 80.10 chs

204

Subs Tp 19 S. R. 9 E.

~~Ho~~ *Sections

North on random line bet* Sec's var 16° 5 and 6 45' E.

Note:- On account of line striking Bluff. I offset E. 3 Ch's, thence N, on offset line.

40.00. True point unaccessable at a point 1.25 Ch's E. of true point, set temp 1/4 sec Cor. Thence north on offset 1.50 Ch's E. of true line 40.14 Ch's, thence W. 1.50 Chs. to —

80.14 Intersect N boundary of Tp at Cor to Sec's 5 & 6 from which S. on true line bet sec's 5 & 6.

40.14 At a point 1.50 Ch's E. of true Cor. point, set a Sand stone 14 x 7 x 6 - 9 in deep Marked 1/4 W.C. on W side with Stone mound for 1/4 sec Cor.

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6th P.M. Meridian

80.14 The Cor to Sec's 5, 6, 7 & 8.
Land broken (mountains
Soil 3d rate)
No Timber
Mountainous on 80 Ch's
Sep 9th 1880

Over

206

Remarks:—

General Description

The Surveyed portion of the Township embraces the Bottoms on Huntington Creek and Cottonwood Creek and the mountains by which they are bounded. Wilsonville, a small Village is situated in Sec. 7, beside which there are Homestead Claims in Secs 4, 8, 9, 17 & 18.

The unsurveyed parts Consist of bad land formed by the breaks of the San Rafael drainage

A D Perron
Dep'y Surveyor

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9th 1880

The foregoing field notes of the survey of the Subdivision Lines in

Township No 9 South Range No 9 East

of the Salt Lake Meridian, Utah Territory,

Executed by Augustus S. Ferron

Under his contract No 97

of the 16th day of August 1880,

in the month of September 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Jno. Salisbury

U. S. Surveyor General for Utah.

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R: 4th Standard P.B. 10-13 inc

Filed October 23 1880

Examined by T. C. Bail

Compared by G. V. M. Bo[illegible] & W. A. Co.

FIELD NOTES

OF

THE SURVEY OF THE

Offset 4th Standard Parallel S. Subdivisions

of Township No. 19 S, Range No. 10.11.12.13.E

of the Salt Lake Meridian in Utah Territory.

BY

Augustus D. Ferron

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97

dated Aug 16th 1880.

Survey commenced Sept 10th 1880.

Survey completed " 15th 1880.

Compared by G.B. [illegible]

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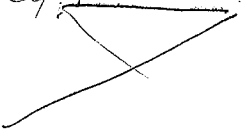
Offset 4th Standard Parallel South in T. 19 S. R. 10 E

Note By a careful examination lasting several days I find it impracticable of Extending the 4th Standard Parallel Eastward Owing to it falling into the breaks of the San Rafael River and adjoining drainage. These breaks are so called "Box Canon's" having perpendicular Sand Stone Walls of, from one to three hundred feet elevation, the ridges between these being broken into inaccessable Castellated Mountains from which the Valley on the West derives its name: "Castle Valley". By examing to the South & North I find that an offset can be Established by extending a line 9 miles North of the 4th Standard Parallel Eastward About 30 Miles, and there regain said Standard

212

Offset 4th Standard Parallel in

Parallel line, I therefore proceed to survey:



Survey Commenced Sep 10th 1880
The instrument used in the following Surveys is a Solar Transit with a powerful telescope manufactured by W. J. Young & Sons Phila. Pa. and bearing no 4901. examined and approved by the U.S. Surveyor General at Salt Lake City Utah. - A two rod No 12 steel wire, brazed link Chain, adjusted to 33.03 ft. by the Surveyor General was used as a standard, and a like Chain was used in the field Compared with, and adjusted

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in T. 19 S. R. 10 E

to the above every day. Before using the instrument was again tested by me on a meridian obtained by an Observation of Polaris made on the night of the 9th September 1880. The formula used to Calculate the azimuth angle on that and all subsequents occasions being

Cos. Lat: R :: Cos. Decl: Sin Azimuth

Offset for 4th Standard Parallel South Sub's T/ 19 S R 10 E.

From the established Cor to Sec's 18 & 19 on the W Boundary Irun East on true line bet Sec's 18 & 19.

Var 16° 15' E.

Offset, 4th Standard Parallel

750	Rocky Gulch drains S.E.	
13.15	" " " S.	
1900	" " " S.W.	
2700	" " " S.W.	
3100	Red rocky ridge bears NE & SW	
	Descend	
3943	Allowing for Convergency of Meridian	
	On E. side of ridge set ~~red~~, set	4000
	Sandstone 18×13×3 in, 12 in deep ~~marked~~	
	with stone mound for 1/4 sec. Cor.	
4700	Indian Trail bears NE & SW	
5075	Wash hollow drains S.W.	551
6000	Enter grass & White sage rolling hills	800
	leave Sandstone breaks.	
79.43	Set Sand stone 18×12×13 - 12 in.	
79.43	deep marked 5 Notches on E & 3 on S.	
	edges with ~~reg~~ mound of earth from 4	
	pits each 24×12×12 in for Cor to	
	Secs 17, 18, 19 & 20.	
	Land mostly broken Sand Stone ridge	

South on T. 19 S. R. 10 E

Soil 3d rate
No Timber
Mountainous on 60 00 chs

Easton true line bet Secs 17 + 20.
Var 16° 15' E.
Enter heavy rolling Sand hills.
40 00 Set Sand stone 18 x 12 x 3 in. 12 in deep
Marked 1/4 on N. side with mound
of earth from 4 pits, each 24 x 12 x 12 in
for 1/4 sec Cor.
55 10 Flat Hollow drains NW.
80 00 On edge of Creek Bears N + S.
Set Sand stone 26 x 10 x 5 in 18 in deep
Marked 4 Notches on E + W on Sedge
with mound of Stone for Cor to
Secs. 16, 17, 20 + 21.
Land heavy rolling Sand hills
Soil 3d rate
No Timber
Mountainous on 80 chs

Offset, 4th Standard Parallel North

Easton true line between 16 & 21
Var 16° 15' E.

1.25	Ledge 200 ft high	2375
2.00	" " " "	1550
25.50	Wash drains SW. leave barren hills	2000
	Enter grass hills	2450
40.00	Set sandstone 15x10x4 in, 10 in deep. Marked 1/4 on NE side with mound of earth from 4 pits each 24x12x12 in. for 1/4 Sec Cor.	2750
45.00	Big Wash & Hollow drains SW	4000
80.00	Set Sandstone 8x8x8 in 5 in deep. Marked 3 notches on E & S. edges work mound of earth from 4 pits each 24x12x12 in for Cor to Sec's 15, 16, 21 & 22.	8000
	Land rolling Sand Hills & rocky breaks	
	Soil 3d rate	
	No Timber	
	Mountainous on 80 Chs.	

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...Tenth in T. 19 S. R 10 E

East on true line bet Sec's 15 & 22'
Var 16° 15' E.

2.75 Wash Hollow drains SW
15.50 Ridge bears N & S.
2000 Wash hollow drains SW
2425 " " " "
2750 Enter flat level Bench Covered
with Sage & Grass
4000 Set Gypsum 15x12x6 in 10 in deep
Marked 1/4 on N side, with
Mound of earth from 4 pits each
24x12x12 in. for 1/4 sec Cor.
8000 Set Gypsum 16x8x7-10 in deep
Marked 2 notches on E & 3 on S
edges with mound of earth from
4 pits each 24x12x12 in for Cor to
Sec's 14, 15, 22 & 23
Land mostly level
Soil 1st rate
No Timber
Mountainous on 2750 chs

218

Offset, 4th Standard Parallel S in

East on true line bet secs 14 & 23

Var 16° 15' E.

30.00	Leave flat - Ascend	675
40.00	Set Sand stone 16 x 7 x 5 - 10 in deep	
	Marked 1/4 on N side with mound	11.00
	of Stone for 1/4 sec. Cor	16.00
49.00	Hollow drains N.	27.00
56.00	" " N.W.	400
69.25	Edge of Bluff ridge bears N 10° E &	
	S. 10° W - 100 ft high - Descend	
70.00	Gypsum ledge 20 ft thick	410
80.00	At Entrance of flat	49.7
	Set Sandstone 22 x 14 x 2 in 15 in	670
	deep marked 2 notches on E & 3	
	on S. Edges with mound of	800
	Stone for Cor to secs 13, 14, 23 & 24	

Land Mostly mountainous

Soil 2d rate

No Timber

Mountainous on 50 chs

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in R. 19 S. R. 10 E

East on true line bet. Secs 13 & 24
Var 16° 15' E.

675 Wash ~~20 ft high~~ drains
N. 15 Ch's then S E.

1100 N 15 " " "

1600 Leave flat ascend

2700 Hollow drains N.

4000 Set Sandstone 18 x 10 x 8 - 12 in deep
Marked 1/4 on N side with Mound
of stone for 1/4 Sec. Cor

4100 Big hollow drains N.

4975 Sand Stone ledge N 60° W & S. 60° E.

6700 Junction of Head of Hollows drains
N E 15 Ch's.

8000 On top of Sand stone ledge 50 ft high
marked with a Cross & 3 Notches on N
& S. ~~edges~~ arms ⊥ for Cor to Sec's 13,
18, 19 & 24 On range line bet. Twp 19 S.
R's 10 & 11 E.

Land mountains

Offset 4th Standard Parallel S.
Subs. 19 & 20 E.

Soil 3d rate
No Timber
Mountainous on 6th Chs
Sept 10th, 1880

150

General Description

The Township through which this line runs Consist for the greater part of barren land, unsuitable for Cultivation on account of the lack of Water. There is some land on the N. half which Can possibly be irrigated from Hunting Cow Creek at great expense. The S. half is worthless, excepting as grazing land

3943

A D Ferron
Deputy Surveyor

BOOK-A-171

Offset for 4th Stand Par. S. 221 11

Sub's Tp 19 S R 11 E.

From the established Cor to Sec's 18 & 19 on West Boundary of Tp I run:—

East on true line bet Sec's 18 & 19.

Var 160 b5' E.

150 Further Chaining being impracticable on account of broken bluff points I set a flag in line accross said points to which I proceed and triangulate back to this point with two right angle triangles of 4½ & 5 Ch's bases. giving within 2 lks the same distance Viz:— 5,52 Ch's making total distance 5303 ch's being 13.60 Ch's E. of

3943 Allowing for Convergency of Meridian Where I set a sand stone 13 & 9 & 6 in, 8 in deep marked ¼ W.C. on N side with stone mound for Witness ¼ sector

Offset 4th Standard Parallel

7250 Rock Gulch 300 ft deep drains S.
Further chaining being impracticable
I set a flag across gulch to
which I triangulate with 2
right Angle triangles of 2 & 3
Ch's bases giving within 1 lk
the same distance 11 47 ch's

7943 Falls in gulch, not set, but
witnessed by a limestone 16 x 12 x 4
in. 11 in deep marked 5 Notches
on E. & 3 on S edges & W. C. with
Stone Mound for Witness Cor.
being 4.54 ch's E. of true Cor.
point to Secs 17, 18, 19 & 20

Land broken
Soil 3d rate
No Timber

Mountainous on ~~80~~ 79.43 ch's

Note From this Witness Cor. the alkali
Springs being the 1st water on the

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S. in T. 19 S. R. 11 E

Green River road E. of Huntington Creek bears N.W. about 3/4 mile

East on true line bet secs 17 & 20

Var 16° 15' E.

45 ft Witness Cor in center scattering scrub Cedars.

40.00 Set Sand Stone 16 x 10 x 5 in, 11 in deep marked 1/4 on N side with stone Mound for 1/4 Sec Cor from which a Cedar 6 in dia bears S. 10° W 51 lks dist.

50 a Cedar 15 in. dia

80.00 Set Lime Stone 24 x 10 x 4 in 16 in deep marked 5 Notches on E. & 3 on S. edges with stone mound for Cor to secs 16-17 20 & 21 from which —

a Cedar 12 in dia. bears S. 30° E. 24 1/2 lks dist marked Sec 21 T. 19 S. R. 11 E. B. T.

224

Offset 4th Standard Parallel

Land broken
Soil 2d rate
Timber & scattering Cedar
Mountainous on 80 Chs

East on true line bet secs 16 & 21
Var 16° 15' E.

14.75 a Cedar 16 in. dia
17.10 Head of Box Cañon drains SW
Ledge bears NE & SW
20.75 Same ledge bears NW & SE
25.00 Head of Gulch drains SW
40.00 Set Limestone 12 x 10 x 5 in 8 in deep marked 1/4 on N side with Mound of Stone for 1/4 Sec Cor
49.00 Elbow of Box Cañon heads SE drains S 60 W
62.50 Head of same Box Cañon drains S. Rock Cistern 50 lk S.

T. 14 S. R. 11 E.

full of rain water Called "First Hole" by travellers

Leave Scattering Cedars

74+90 Wagon Road to Green River bears NW & SE

80 00 Marked Stationary Limestone on E end of Ledge 3 x 2 x ½ ft above ground 3 notches on E & S edges with mound of Stone for Cor to Sec's 15, 16, 21 & 22

Land broken

Soil 3d rate

Timber Scattering Cedar

Mountainous on 80 00 Chs

Easton true line bet Sec's 15 & 22

Var 16° 15' E.

0 00 Enter flat.

20 0 Small hollow drains S into larger

40 00 At Limestone 14 x 12 x 8. 9 in deep

16 226

Offset 4th Standard Parallel

Marked 1/4 on N side with
Mound of earth from 4 pits each
24x12x12 in for 1/4 Sec Cor
5150 Leave flat Ascend
5850 Small hollow drains SW
8000 Set Limestone 16x8x4 in, 10 in
deep marked 2 notches on E &
3 on Sedges, with mound of
earth from 4 pits, each 24x12x12
in for Cor to Sec's 14x10x22x23
Land Mostly level
Soil 1st rate
No Timber
Mountainous on 2850 Chs

Easton trueline bet Sec's 14x23
Var 16° 15' E.
3600 Enter flat
4000 Set Sand stone 12x10x4 in 8 in
deep marked 1/4 on N side with

S. in T. 19 S. R 11 E

Mound of stone, near nw. point of small rock, Covered Knoll. for 1/4 sec Cor

8000 Set Quartzite 12×8×6 in 8 in deep marked 1 notch on E. & 3 on S edges with mound of earth from 4 pits each 24×12×12 in for Cor to Sec's 13, 14, 23 & 24

Land mostly level

Soil 1st rate

No Timber

Mountainous on 3600 Ch's

East on true line bet Sec's 13 & 24

Var 16° 15' E.

500 Wash drains SW

2000 Ascend. Enter scattering Cedars & Gypsum Hills

2725 Hollow drains S.

2925 " " SW

18

Offset 4th Standard Parallel S.

3750 Ridge bears N & S.

4000 Set Quartzite 15 x 11 x 4, 10 in deep
Marked 1/4 on W side, with stone
Mound for 1/4 sec Cor. No Cedars
Suitable for bearing tree

4150 Hollow drains S.

4225 " " SW.

5525 A pine 5 in. dia.

5610 Hollow drains S.

5820 Ravine " SW.

7250 Ridge bears N & S.

7500 Conglomerate boulder hollow
drains S.

8000 On E. side of a flat Conglomerate
boulder 20 x 10 x 5 ft set a sand
stone 30 x 18 x 12 in. 20 in deep
Marked 3 Notches on N & S edges
with stone mound for Cor to sec
13, 18, 19 & 24 on R line bet Tps
19 S. R 11 & 12 E. No bearing tree at
Land broken & mountainous Sep 11th 1880
Soil 2d rate. Mountainous on 80 chs.

BOOK-A-171

S. on T. 19 S. R 11 E.

General Description

The foregoing Line passes through Some Very broken Country unsuitable for anything but for Winter Grazing.

There is a Spring in Sec 18 being the only Living Water in the Township. The Township Is Not suitable for Subdivision

A D Perron

Ms Dep. Surveyor

Of
Parali

450
1000
1300
2500
3075
3943

6300
7000
8000

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Offset 4th standard
Parallel S. on T. 19 S. R 12 E

From the established Cor to Sec's
13, 18, 19 & 24 on the West boundary of
the Sp Survey.
East on true line bet Sec's 18 & 19
Var 16° 15' E.

1450 Gypsum Gulch drains S.
10.00 Ridge bears N & S.
1300 Gulch drains S.
2500 Ridge bears N & S.
3075 Gulch drains S.
3943 Allowing for Convergency of Meridian
Set Sand stone 15 x 10 x 4, 10 in deep marked
1/4 on N. side with stone mound
for 1/4 sec Cor.
6300 Gulch drains S.E.
7000 " " "
18000 Set Quartzite 14 x 9 x 5 - 9 in deep
Marked 3 notches on S & E edges
with Stone Mound for Cor to Sec's
17, 18, 19 & 20.

232

Offset 4th Standard Par[illegible] S.

No suitable bearing trees at hand.

Land Very broken Mountains

Soil 3d rate

Timber Scattering Scrub Cedar

Mountainous on 7943 Ch's

East on true line bet Secs 17 & 20

Var 16° 15' E.

2000 Enter flat.

4000 Marked Stationary Sandstone 18 x 10 x 6 in. above ground for 1/4 Sec Cor

Note. At this point I find the Var to change to 15° 45' E., without any Apparent Cause I therefore stop work for the day and take an Observation of Polar in the evening Sep. 13th 1880

Note:

S. in T. 19 S. R. 12 E.

Sep. 14th, 1880 I find that the Needle gives a Var of 15° 46' E from the Meridian obtained by Last Night Observation this demonstrating the Correctness of the adjustment of the Solar Apparatus of my instrument And therefore proceed on same line.

1000 Set Limestone 16 x 12 x 8 10 in deep marked 3 Notches on S & 3 on E edges. for Cor to secs 16, 17, 20 & 21 from which a Cedar 6 in dia. bears S. 10° E 20 lks dist marked T 19 S R 12 E. S 21 B T

No other trees at hand

Land mostly level

Soil 1st rate

Timber Scattering Scrub Cedar

Mountains on 20 Chs

Offset 4th Standard Parallel

East on true line bet secs 16 & 21
Var 15° 45' E.

1000 Wash drains SE leave flat.
1700 Same in hollow drains NE
3450 " " Box Canon drains SE
4000 Set Lime stone 15 x 8 x 6 - 10 in deep
Marked 1/4 on N. side with stone
Mound for 1/4 sec. cor. No
bearing trees at hand
4500 Box Canon drains NE
5000 " " heads S.
5500 " " drains NE
with water pockets
7500 Box Canon drains NE
8000 Set sand stone 18 x 12 x 8 - 12 in
deep marked 3 notches on S & E
edges with stone mound for
Cor to secs 15, 16, 21 & 22 from
which a cedar 4 in dia bears
N. 89° E 12 lks dist Marked

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S. W. T. 19 S. R. 12 E.

Tp 19 S. R 12 E. S. 15 B. T.
No other trees at hand.
Land very broken
Soil 3d rate
Timber scattering scrub cedars
Mountainous on 70 chs

East on true line bet secs 15 & 22
Var 15° 45' E.

500 Gulch drains N.
730 Lime stone ledge bears N & S.
1850 Gulch drains N.
3450 " " "
4000 Set sand stone 16 x 8 x 4 10 in dip
Marked 1/4 on N side with stone
Mound for 1/4 sec. Cor. No
suitable bearing trees at hand
6025 Gulch drains N.
7250 Wash " " Enter Hollow
7750 " " NW. Leave "

236

76 Offset 4th Standard

8000 Set sand stone 30 x 13 x 2 20 in
deep marked 3 notches on S. &
2 on E edges with stone mound
for Cor. to sec's 14, 15, 22 & 23.
Land broken mountains
Soil 3d rate
Timber scattering scrub Cedars
Mountainous on 80 Ch's

East on true line bet. Secs 14 & 23
Var. 15° 45' E.

1700 Hollow drains NW.

4000 Set sandstone 16 x 13 x 3 10 in
deep marked 1/4 on N. side with
stone mound for 1/4 sec. Cor

5300 North point of Ridge

8000 Set Limestone 16 x 8 x 5 10 in
deep marked 3 notches on S &
1 on E edges with stone mound
for Cor. to sec's 13, 14, 23 & 24

Parallel S. in R 19 S. R. 12 E

No bearing trees at hand
Land mountains
Soil 3d rate
Timber Scattering Scrub Cedar's
Mountainous on 80 Ch's

East on true line bet Sec's 13 & 24
Var. 15° 45' E.

450 Hollow drains S.E.
1000 South point of Sandstone Ledge.
1950 Hollow drains S E.
2250 Box Cañon drains N.E. 5 Ch's then E. thence along S side of Cañon
4000 On N. side of Cañon marked stationary Lime stone 36 x 18 x 3-in above ground 1/4 on N side with stone mound for 1/4 sec cor.
5000 Leave Cañon drains S E
6900 Gulch, opening of last Box Cañon drains N E
7100 South side of lone hill
7500 Hollow drains N.

80.00 Set shale 20×7×4 15 in deep Marked 3
Notches on N & S. edges with stone
Mound for Cor to Sec's 13, 18, 19 & 24
Range line of Twp's 19 S. bet. R. 12 & 13 E.
No suitable trees at hand for
Marking.

Land broken mountains 3.00
Soil 3d rate 39.43
Timber scattering scrub Cedar
Mountainous on 80 Ch's.

Sep 14th 1880.

General Description

The Township through which this line
passes, is fit only for winter
Grazing. There is no runing water
and but very little timber and that
of an inferior quality, making
it unsuitable for Subdivision

A D Ferron
U.S. Dep Surveyor

BOOK-A-171

Offset 4th Standard S. in T. 19. S. R 13 E

Offset for 4th Stand Par. South
Tab. Tp 19 S Range 13 E.
From the Cor to Sec's 13, 18, 19 & 24
on the W boundary of the Tp. Trun.

Easton true line bet. sec's 18 & 19.
Var 15° 45' E.

300 Enter flat bears NW & SE
3943 Allowing for Convergency of
Meridian. Set Lime stone
15 × 9 × 3 – 10 in deep marked 1/4 on
N side for 1/4 sec. Cor
4135 Lime stone ledge bears NW & SE
6450 Hollow drains N. E. Leave flat.
7943 Set Lime stone 22 × 14 × 5 – 15 in deep
marked 3 notches on S. & 5 on E edge
with stone mound for Cor to sec
17, 18, 19 & 20 from which a
Cedar. 24 in dia. bears S. 70° W.
14 lks dist
No other trees near.

Offset 4th Standard Parallel S. in

Land Mostly level flat
Soil 1st rate
Timber Scattering Scrub Ced
Mountainous on 17.83 Chs

Euston true line bet secs 17 & 20
Var 15° 45' E.

00.30 Hollow drains N - Ascend
Leave Scattering Cedar
45.0 Gypsum ledge 10 ft high bears N
60.0 Ridge bears NW & SE
15.00 Hollow drains SE
40.00 Set Shale 18x10x3 12 in deep
Marked 1/4 on N side with
stone mound for 1/4 sec cor
43.00 Enter flat
48.40 Wash drains NE
74.00 Hollow drains SE Ascend
Gypsum ledge bears NW & SE
80.00 Set Sand stone 18x12x5 12 in

Note:-
3.50
8.25

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T. in T. 19 S. R. 13 E.

deep Marked 3 Notches on S & Hon. E. edges with Stone. Mound for Cor to Secs 16, 17, 20 & 21. from which a Lone hill Covered with Sandstone Boulders. bears N 1.75 Chs dist

Land level & broken

Soil 3d rate

No Timber

Mountainous on 4 & 70 Chs

Note:- As the Line Continued East would strike an impassable Sandstone ridge with perpendicular Bluffs; I therefore from the Cor 16, 17 20 & 21

S. I run

Sour Lost Secs 20 & 21

Var 16° E.

3.00 Gulch drains S E

82.00 " " S E

Offset 4th Standard Parallel S.

9.25 Gulch drains W.
20.50 " " SE
24.00 " " SE
30.00 Main Gulch " E.
40.00 Set sand stone 16 x 8 x 5 - 11 in deep
marked 1/4 on N. side with
Stone mound for 1/4 sec Cor
43.50 Indian Trail on ridge bears NW & SE
50.00 Gulch drains SE Enter Scattering
Cedar
59.00 Gulch drain SE
64.00 A Cedar 12 in dia.
65.00 Enter Box Cañon drains E.
Ledge 20 ft high
74.50 Leave Same
80.00 Set sand stone 16 x 8 x 5 10 in
deep marked 2 notches on S
& 4 on E edges with stone
Mound for Cor to sec's 20
21, 28, & 29 from which

BOOK-A-171 248 33 5

S. in T. 19 S. R. 13 E

a Cedar 9 in dia. bears N 20° W
18 1/2 lks Dist.
a Cedar 8 in dia bears S 80° W.
40 lks. Dist.
Both marked according to
instructions.
Land broken Mountains
Soil 3d rate
Timber Scattering Scrub Cedars
Mountainous on 80.00 Chs.

South bet Sec's 28 & 29.
Var 16° 15' E.
2750 Enter Box Cañon drains N.E.
3000 Leave same.
4000 Set Shale. 26 x 16 x 3,18 in deep
Marked 1/4 on W side, with Stone
Mound for 1/4 Sec Cor.
5250 Box Cañon drains E.
5600 Enter Box Cañon drains E.

Offset 4th Standard Parallel

59.50	Leave Same	3500
67.40	Enter Box Cañon drains NE	3900
69.50	Leave Same	4000
7965	Gulch drains E.	
8000	Set shale 26×14×2. 18in deep	
	Marked 1 Notch on S & 4 on E	
	edges with stone mound for	4250
	Cor to secs 28, 29 32 & 33	4830
	No suitable trees near	5400
	Land Very broken	5800
	Soil 3d rate	6500
	Timber Scattering Cedar	8000
	Mountainous on 80 chs	

South bet Secs 32 & 33

Var 16° 15' E

16.00	Enter Road Cañon drains NE
11.20	Road to Green River bears NE & SW
22.50	Leave Box Cañon
27.00	Gulch drain NE

Del S. in T. 19 S. R. 13 E

3500 Descend into big Gulch drains N E

3900 Bottom of same

4000 Marked black iron stained Stationary Lime stone 40 x 30 x 20 in. above ground 1/4 on W side for 1/4 sec. Cor

4250 Top of Gulch slope

4830 Gulch drains N. 60° E.

5400 " " N.E.

5800 " " E.

6500 " " N.E.

8000 Set shale 36 x 14 x 3 - 2 ft deep Marked 2 notches on W & 4 on E edges with stone mound for Cor to secs 4, 5, 32 & 33 on South bndry of Tp 19 S. R 13 E.

No suitable trees near Land Very broken

Soil 3d rate

Timber scattering Cedars

Mountainous on 80 Chs

246

Offset for 4th Standard Parallel

Offset 4th Standard South

South Boundary of Tp

19 S. R 13 E.

From the Cor to Secs 4, 5, 32 & 33 — 1720

East on true line bet secs 4 & 33 — 2400

Var 15° 45' E. — 4000

450 Gulch drains S. E.

1250 Same drains N.E.

2300 " " S.E. — 6500

3250 Gulch drains S.E. — 8000

4000 Set Shale 16 x 12 x 4 10 in deep

Marked 1/4 on N. side with

Stone mound for 1/4 sec Cor

4400 Wash Hollow drains N.E.

5400 " " " "

6175 Top of round Knoll 250 lks Dist

7970 Wash drains S.E. Enter Road Hollow

8000 Set sand stone 14 x 12 x 10 - 9 in deep

Marked 3 notches on E. & W edges

For Cor to secs 3, 4, 33, & 34

Land broken & mountainous - soil & mountainous on 80 chs.

BOOK-A-171 247 37 9 247

Del S. in T. 19 S. R 13 E

East on true line bet. Secs 3 & 34

Var: 15° 45' E.

1720 Road to Green River bears NW & SE

2400 Wash drains S.

4000 On Ledge Bench bears NW & SE

Set sand stone 16 x 10 x 6. 10 in deep

Marked 1/4 on N. side with stone

mound for 1/4 Sec. Cor.

6500 Enter Solid sand stone Ridge bears N & S.

8000 Set Sand stone 14 x 10 x 4 - 9 in deep

Marked 2 Notches on E & 4 on W. edges

with stone mound for Cor to Secs

2, 3, 34 & 35

Land broken.

Soil 3d rate

No Timber

Mountainous on 80 Ch's

Sep. 15th, 1880.

Note The line further being impracticable

on account of Solid sand stone ridge &

Broken Bluffs. I abandon Same

General Description

The Township through which these lines pass consist of sandstone ridges, very broken & thinly covered with scrub Cedars

Not suitable for subdivisions

A D Ferron
US Depy Surveyor

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9 1880.

The foregoing field notes of the survey of the

Offset for 4th Standard Parallel S.

Subdivision &c

Townships No 19 S. Range No 10, 11 & 12 W.

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Firm

Under his contract No 97

of the 16 day of Aug 1880,

in the month of Sept. 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

J. H. Dalton

U. S. Surveyor General for Utah.

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R.:

Filed October 23rd 1880

Examined by J. C. Bailey

Compared by

FIELD NOTES

OF

THE SURVEY OF THE

Offset for the 4th Standard Parallel South, East Boundary & Subdivision lines of Township No. 30 South, Range No. 13 East, of the Salt Lake Meridian in Utah Territory.

BY

Augustus L. Farrow

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97,

dated August 16th 1880

Survey commenced Sept. 16th 1880

Survey completed Sept. 16th 1880

BOOK-A-171

Subs. of T. 20 S. R. 13 E.

Offset for 4th. Standard Parallel South. Subdivision Township of 20 S. R. 13 E. From the Cor. to Secs 2, 3, 34 & 35 On the North boundary of the Township Runs

South on township line bet Secs 2 & 3.

Var. 15° 45' E.

3.50 Gulch drains E.

31.70 " " N.E.

40.00 Set Sand stone 15 x 12 x 4 - 10 in deep. Marked 1/4 on N side with Brg mound of earth & pits for 1/4 sec Cor.

49.00 Gulch drains N.E.

80.00 Set Sand stone 16 x 12 x 4 - 10 in deep Marked 5 Notches on S & 2 on E edges with stone mound for Cor. to Secs 2, 3, 10 & 11.

Land broken table Mountain

Soil 3d rate

Subdivisions of T. 20 S.

Timber Scattering Scrub Cedar
Mountainous on 80 Chs

South bet Secs 10 & 11
Var 15° 45' E.

1700 Gulch drains E.
2300 " " E.
2760 " " S.E.
4000 Sand stone bluff point Fall on
unaccessable face of Bluff
is Not set therefore at 35.80
Set a sand stone 16 x 10 x 3. on
Solid ledge in Mound of
Stones marked 1/4 W. C. for
1/4 sec Cor.
4700 Road near foot of Bluff. bear No
6500 Hollow drains S.E.
7200 " " E.
7500 " " E.
8000 Set shale 26 x 18 x 3 18 in deep

BOO
A.
1450
3200
4000
5425
8000

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T. 13 E. S. L. M.

Marked 4 Notches on S + 2 on E edges with stone mound for Cor to Sec's 10, 11, 14 & 15

Land broken Bluff.
Soil 3d rate
No Timber
Mountainous on 80 Ch's

South bet sec's 14 + 15
Var 15° 45' E.

14 50 Gulch drains NE.

22 00 " " "

30 00 Set sand 13 x 10 x 6 - 8 in deep marked 1/4 on N side with stone mound for 1/4 Sec Cor.

34 28 Cottonwood Gulch drains NE

40 00 At Head of Gulch drains NW Alk. Sand. Stone 18 x 8 x 5 - 12 in deep Marked 3 Notches on S + 2 on E edges with stone mound for Cor to Sec's 14, 15, 22 & 23 - from which a

Subdivisions T. 20 S., R.

Cedar 5 in dia. bears N 40° W.

6 LK Dist. marked according to

instructions

Land broken

Soil 3d rate

No Timber

Mountainous on 80.00 Chs

Eastown line bet Secs 14 & 23

Va. 16° 45' E.

4.50 a Cabin near Cottonwood Springs bears N

44° 10' E. 33.75 Chs dist

10.30 Deep Gulch drains W.

16.50 Gulch drains NE

14.00 Set sand stone 20 x 10 x 4 - 15 in

deep marked 1/4 on N side, with

Stone mound for 1/4 Sec Cor.

14.60 Enter Cottonwood Gulch drains SE

14.80 Road bears NW & SE

53.00 Cottonwood Creek 2 Chs wide Sandy

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13 E. S.L.M.

Runs S.E.

15.00 Leave Cottonwood Gulch.

80.00 Set Sand Stone 18×12×8-12 in deep marked 3 notches on S. & 1 on E edges with stone mound for Cor to Secs 13, 14, 23, & 24.

Land very broken.

Soil 3d rate

No Timber

Mountainous on S.O. Chs

North Set. Secs 13×14

Va 15° 45' E.

11.00 Hollow drains E.

19.50 " " S.E.

44.00 Set Sand Stone, 26×12×8-18 in deep, marked 1/4 on N side with stone mound for 1/4 Sec Cor.

82.25 Lone Cedar 10 in dia. in fork of Hollow drains S.E. Ascend

59.50	Top of Ledge of lower bluff 70 ft	40.60
	high thence along west edge	55.00
	of Bluff	56.70
80.00	Set Shale 26 x 8 x 3 - 18 in deep	56.80
	Marked 4 Notches on S & 1 on	62.80
	E edges with stone mound	67.50
	for Cor. to sec's 11, 12, 13 & 14	70.00
	Land very broken	75.00
	Soil 3d rate	79.80
	No Timber	
	Mountainous on 80 Ch's	
		39.90
	Wost on random line bet secs 11 & 14	
	Var 15° 45' E.	79.80
3.50	Descend on Bluff bears NW & SE	
7.50	N. E. end of Sand stone mass	
	100 ft long 15 ft thick & 50 ft wide	
14.50	Deep Gulch drains SE. Ascend	
37.63	Reef of Iron ore 1 ft thick bears NW & SE	
40.00	Set temp 1/4 sec cor.	

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20.60	Sand stone ledge bears N & S.
38.00	" " " " NW & SE
36.70	Cedar 22 in dia.
26.80	Gulch drains S.
62.80	Road bears NW & SE
67.50	Main Gulch drains SE.
70.00	Small " " SE.
78.00	" " " SE
79.80	Intersect N & S. line at Cor to secs 10, 11, 14 & 15. From which E on true line set secs 11 & 14.
39.90	Set Sand stone 23 x 7 x 5, 17 in deep mkd 1/4 on N side with stone mound for 1/4 sec Cor.
79.80	The Cor to secs 11, 12, 13 & 14

Land broken

Soil 3d rate

No Timber

Mountainous on 79 80 Chs

South bet secs 23 & 24
var 15° 45' E.

35.00 Descend into head of Gulch dr's S.
Thence in Gulch.
40.00 ~~Ok~~ E side of Gulch slt a Sand Stone
25x17x3 - 18in deep marked 1/4 on W side
with stone mound for 1/4 sec. Cor.
49.00 Mouth of Gulch, enter Cottonwood flat.
51.75 Road bears E & W.
55.00 Cottonwood Creek 5 lks wide, 4in
deep runs S E.
65.00 Ascend
68.00 a Cedar 12 in. dia
80.00 Set Shale, 26,x16x3 - 18in deep marked 2
Notches on S & 1 on E edge for Cor to sec's
23, 24, 25 & 26.
Land very broken
Soil 3d rate
No Timber
Mountainous on 80 Ch's

East on true line bet secs 24 & 25
Var 15° 45' E.

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675 Surprise Creek 8 lks wide 3 in deep runs N.E.

1800 Road bears NE & SW

2700 " " NW & SE.

2850 Cottonwood Gulch drains S.E.

3950 Mouth of Gulch Leads N.E.

4000 Set Sand Stone 12 x 10 x 5, 8 in deep marked

1/4 on N side with stone mound for 1/4 sec Cor.

6280 Gulch drains S.E.

8000 Set Sand stone, 14 x 8 x 5-9 in deep marked

Notches on S. & on N. edges. with stone

Mound. for Cor to secs 19-24-25 & 30

On East bndry of Tps 20 S. R. 13 E.

Land Very broken

Soil 3d rate

No Timber.

Mountainous on 80 Chs.

Offset. for 1/4 Sec Stand Par. S.

E. bndry of Tp. 20 R. 13 E.

South bet secs 25 & 30

Var 15° 45' E.

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7.00	Cottonwood gulch drains S: 70° E.	
	Ascend Bluffs	
10.25	Gulch drains NE	
25.75	" " E into Cottonwood	4.00
27.50	" " NE " "	
31.50	On Top of Bluff Reds & bear E & W	13.75
40.00	at Foot of bluff bears E & W. Marked	18.00
	Stratonary Sand stone ledge	40.00
	exposed 50 ft. 1/4 facing N. with	
	Stone mound for 1/4 Sec Cor.	
42.00	Green River road bears S & W	43.50
	Enter flat.	60.00
80.00	Alt Sand stone 30 x 16 x 4, 20 in deep	71.00
	Marked 5 Notches on N. & W. Sides E	74.00
	with Stone mound for Cor to secs 25, 30	80.00
31 & 36.	Land broken & level	
	Soil 2d rate	
	No Timber	
	Mountains on 42.00 Chs	

South bet Secs 31 & 36.

Var 15° 45' E.

Level flat.

4.00 Hollow drains S.E. A spring branch at head of same.

13.75 San Rafael road bears NW & SE

18.00 Spring branch. 3 lks wide 2 in deep runs S.E.

40.00 Set sand stone 18 x 6 x 5 12 in deep marked 1/4 on W side with stone mound for 1/4 sec Cor.

43.50 West side of lone red hill

60.00 Spring branch 4 lks wide, 3 in deep runs S.E.

71.00 Gulch drains S E.

74.00 " " "

80.00 Set sand stone 26 x 13 x 6, 18 in deep marked 6 Notch on N. E. & W. Edges & S.C. for Standard Cor to T/p 20 S-R 13 & 14 E. on 4th stand. Par. S.

Land broken.

Soil 1st rate.

Timber scattering Cedar

Mountainous on 80 Chs.

Sep 16th 1880.

Note I here take an observation of "Pe
and find that Meridian thus obtained
substantially agrees with line
last run.

General Description

The Township through which these
lines run is mostly unsuitable
for agricultural purposes
there is a cabin and a small
garden spot in Sec. 14. being
supplied with water from
Cottonwood Spring

A D Ferron
Mo Depy Surveyor

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah November 9th 1880

The foregoing field notes of the survey of the Offset for the 4th Standard Parallel South East Boundary & Subdivisions Township No 20. South Range No 13 East of the Salt Lake Meridian, Utah Territory, Executed by Augustus D. Ferrow Under his contract No 97 of the 16th day of August 1880. in the month of September 1880., having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Frde Salomon

U. S. Surveyor General for Utah.

BOOK-A-171 R. 14, 15 & 16 (5) 267

Filed October 23 1880

Examined by

Compared by

FIELD NOTES

OF

THE SURVEY OF THE

4th Standard Parallel South

~~of Township No.~~ through, Ranges No. 14 15 & 16 part of East.

of the Salt Lake Meridian in Utah Territory.

BY

Augustus D. Ferron

U. S. DEPUTY SURVEYOR,

Under his Contract No. 97

dated August 16th 1880

Survey commenced Sept 16th 1880.

Survey completed " 17th 1880

Date wanted

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4th Al

8.06
1400
1900
2250
1750
3200
4000
4250
4600
5000
5000

BLK-A-171 269

4th Standard South R. 14 E.

Survey commenced sept. 16th 1880.

H.L. Standard Par. S. Through R. 14 E.

Beginning at the Standard Cor. to Twps 2 & 3 S.
Ranges 13 & 14 E. I run —

East on South side of Sec. 31.

Var 15° 45' E.

8.06 a Cedar 12 in. dia.

14.00 Gulch drains S.E.

19.00 N. side of Lone hill.

22.50 Gulch drains S.E.

27.50 " " S.E.

32.00 San Rafael road bears N & S.

40.00 Set Sand Stone 24 x 11 x 6. on deep marked 1/4
on N. side, with stone mound for 1/4
Sec. Cor.

42.50 Enter Main Wash drains S.E.

46.00 Leave same

50.50 Iron Ledge bears N 70° W & S 70° E.

54.50 on account of Ledge point. I offset
S. 2 ch's, then E. 16.50 Ch's thence N. 2 ch's
to.

W 4th Standard Parallel S.

75.00	On E. side of Ledge N. of Finger Gap	56.00
80.00	Set Sand Stone 25 x 18 x 14, 18 in deep	69.00
	Marked 6 notches on N. & 1 on W. & 5 on	75.00
	E sides & S.C. with stone mound	80.00
	for Standard Cor to secs 31 & 32	
	Land broken.	
	Soil 2d rate	
	No Timber	
	Mountainous on & Chs	
	East on S side of Sec 32	
	Var 15° 45' E.	
0.00	Finger rock on S side of Gap bears S 43° E	
14.00	" " bears S. 20° 08' E.	
20.00	Ridge bears NE & SW	7.35
38.00	Gulch drain S.E.	
40.00	Set Trachyte 18 x 10 x 14, 12 in deep	33.00
	Marked 1/4 on N Side with stone	40.00
	Mound for 1/4 Sec. Cor.	
44.00	Enter Castellated Ridges	

R. 14 E. S. L. Meridian

56.00 Gulch drains S.

59.00 Trachyte Ridge bears N & S.

75.00 South point of Trachyte hill

80.00 Set sand stone 18 x 12 x 10 12 in deep marked 6 notches on N. 2 on W. & 4 on E sides & S.C. with stone mound for Standard Cor to sec's 32 & 33.

Land broken

Soil 3d rate

No Timber

Mountainous on 80 ch's

Easton S. side of sec 33

Var 15.0 45' E.

7.35 Forks of Green River & Old San Rafael Road bears N-W-S & S E

33.00 Hollow drains N E.

40.00 Set sand stone 24 x 14 x 2, 18 in deep marked 1/4 on N. side, with stone mound for 1/4 sec Cor.

4th Standard Parallel S.

40.80 Gulch drains N.E.

73.00 " " N 3 ch's in Cottonwood gulch

80.00 Set Sand stone 16×11×3-10 in deep
marked 6 notches on N. & 3 on E &
W sides, & S.C. with stone mound
for Standard Cor. to sec's 33 & 34
Land broken
Soil 3d rate
No Timber
Mountainous on 80 Ch's

C East on S. side of sec 34.
Var 15° 45' E.

20.25 Cottonwood Gulch 2 ch's wide dr's S.

29.00 Foot of Gulch, 25 ft high bears N & S.

39.50 " " Higher bluff 125 ft high bears N & S.

40.00 Set sand stone 16×12×4, 11 in deep
marked 1/4 on N side for 1/4 sec. Cor

42.50 Top of Bluff bears N & S. thence
Descend in Gulch

R. 14 E. S. L. M.

7500 Gulch drains S.E. Enter flat.

8000 Set Quartzite 18 x 15 x 5 12 in deep
Marked 6 notches on N - 2 on E & 4 on
W sides & S.C. with stone mound
for Standard Cor. to secs 34 & 35
Land broken
Soil 3d rate
No Timber
Mountainous on 7500 Ch's

East on South side of Sec 35
Var 15° 45' E.

4000 Set sand stone 14 x 10 x 4 9 in deep
Marked 1/4 on N side, with reg
mound of earth & pits for 1/4 sec Cor

5050 Enter Saleratus Creek Gulch.
drains S.E.

5250 Leave same.

Note From this point it is about 1/2 mile
South East to Junction with

274 4th Standard Parallel S. R. 14

	Cottonwood Gulch and about 2	2450
	miles on the same direction to	3550
	Green River road. The two	4000
	last named Gulches carry the	
	main drainage into Green River	
	between the San Rafael and	6100
	little White or Price Rivers	6400
7050	Leave flat Enter broken ridges	7085
8000	Set sandstone 15×10×5 – 10 in	8000
	deep marked 6 notches on N. 5	
	on W & 1 on E sides & S.C.	
	with reg. mound of earth & pits	
	for Standard Cor to sec's 35 & 36.	
	Land mostly level flat	
	Soil 2d rate	
	No Timber	
	Cast on South side of sec 36	
	Var 15°35' E.	
800	Foot of Bluff ridge 50 ft high bears N & S.	

2450 Hollow drains S.

3550 Enter Flat bears N & S.

4000 Set Sand Stone 10×10×6 - 6 in deep marked 1/4 on N. side With reg. mound of earth & pits for 1/4 sec cor

6100 Leave flat.

6400 Hollow drains S. W.

7085 " " S.

8000 Set Sand stone 16×10×6 - 10 in deep marked 6 notches on N. E. & W. sides & S. C. with reg mound of earth & pits for Standard Cor to Township 21 S R. 14 & 15 E.

Land Mostly broken Mountains

Soil 3d rate

No Timber

Mountainous on 5400 Ch's

Sept 16 1880

Sept 16th 1880.

General Description

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The Townships adjourning the line
are unserviceable for agricultural
or other purposes, excepting
a few flats along Salaratus
Creek, which sometime contains
enough water for irrigation
but was dry at time of Survey.

A. D. Ferron
U. S. Dep'y Surveyor

	14.00
	18.00
	40.00
	41.00
	62.50
	80.00

BOOK-A-171

4th Standard Parallel S. R 15 E.

~~Stand Cor Th of S R 14 & 15 E.~~ 277

4th Standard Parallel, South through Range 15 E. Sept 17th 1880

September 17th 1880

From the Standard Cor to ~~Sec's~~ Townships 20 S. R 14 & 15 E, I run E. on South side of sec 31

Var 15° 35' E.

1400 Ridge bears N & S.

1800 Hollow drains S.

4000 Set Sand Stone 12 x 8 x 6 - 8 in deep marked 1/4 on N. side with reg mound of earth & pits for 1/4 Sec. Cor.

4100 Enter flat bears N. & S.

6250 Leave flat.

8000 Set Sand stone 15 x 8 x 7 - 10 in deep marked 6 notches on N. 10 in W & 5 on E. sides, & sc with reg. ~~for Standard~~ Mound of earth & pits for Standard Cor to sec's 31 & 32

Land broken & level.

Soil 3d rate

No Timber

Mountainous on 56.50 Ch's

4th Standard Parallel S.

East on South side of Sec 32

Var 15° 45' E.

33 70	Wash drains S.E.	2.00
40 00	Set Sand stone 16 x 8 x 8, 10 in deep	40.00
	Marked 1/4 on N. side with stone	
	Mound for 1/4 sec. Cor	
50 00	Leave flat. bears NW & SE	57.50
66 00	Gulch drains S.E.	19.90
69 80	" " S.	80.00
70 75	" " S.E.	
80 00	Set Sandstone 19 x 8 x 6 - 9 in deep	
	Marked 6 notches on N, 4 on E & 2 on	
	N sides & S.B. with reg mound	
	of earth & pits for Standard Cor	
	No Sec 32 & 33.	
	Land level & broken	
	Soil 1st & 3d rate	
	No Timber	
	Mountainous on 30 Chs	

R. 15 E. S. L. Mr

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East on South side of Sec 33

Var 15° 45' E.

2.00 Gulch drains S. E.

40.00 Deposited 4 small rocks, one marked with a Cross in reg. mound of earth & pits for 1/4 sec. Cor.

57.50 Indian Trail bears NW & E

79.90 Gulch drains S. E.

80.00 Set Sand stone 18 X 10 X 10 - 12 in deep marked 6 notches on N. & 3 on E. W sides & S.C. for Standard Cor to secs ~~32 & 33~~ 33 & 34

Land broken

Soil 3d rate

No Timber

Mountainous on so Chs

4th Standard Parallel

East on South Side of Sec 34

Var 15° 45' E.

350 Hollow drains S.

1650 " " S.

2600 " " S W

3900 " " N E

4000 Set Sand stone 18x9x5 - 8 in deep marked 1/4

on N side with reg. mound of Earth & Pits for 1/4 Sec Cor

6600 Hollow drains N E

7500 Enter flat bears N E & S W

8000 Set Sand Stone 24 x 12 x 10 18 in deep

Marked 6 notches on N. 2 on E. & 4 on

W sides of S. 6. with stone mound

for Standard Cor to Sec's 34 & 35

Land Mostly broken Ridges

Soil 2d rate

No Timber

Mountainous on 7 5 Chs

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R. 15. E. S. L. M

Easton South side of Sec 35

Var 15° 45' E.

1000 Enter Flat. bears N.W. & S.E.

4000 Set Shale 12×8×6 - 8 in deep marked 1/4 S. on N. side with stone mound for 1/4 sec. Cor.

6250 Wash drains S.E. Enter Bench. - Leave Hills

8000 Set Sand Stone 18×9×4 - 12 in deep. marked 6 notches on N - 1 on E. & 5 on W sides, & S.C. with stone mound for Standard Cor. to Sec's 35 & 36.

Land mostly broken

Soil 2d rate

No Timber

Mountainous on 5250 chs.

Easton South side of Sec 36.

Var 15° 45' E.

4000 Set Quartz 18×6×6 - 12 in deep marked 1/4 on N. side with reg mound of earth & pits for 1/4 sec cor.

4th Standard Parallel S.

7750 Wash drains S.E.

8000 Set Sand stone 17 x 11 x 10 - 11 in deep. Marked 6 Notches on N - E - & W. sides with Stone Mounds. for Cor to Townships 20 S. R - 15 & 16 E. -

Land level flat.
Soil 2d rate
No Timber

Note: An Observation of "Polaris" at this time gives within 2 Minute the same line as that of S. side Sec 36. as last run

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R. 16 E S. L. M 7

General Description

The Townships adjoining this line Consist of Flats & Benches (part of which can be irrigated from Green River, The main Green River or Gunnison road passes about 3 Miles So of line

A D Ferron
Us Dep y Surveyor

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BOOK-

4th Sta

1.50

26.50

40.00

41.50

48.50

80.00

4th Standard Parallel S. R. 16 E

4th Standard Parallel S.
through Range 16 E.
From the Standard Cor to Twp
20 S. Ranges 15 & 16 E. Thence:-
East on S. side of sec 31.
Var 15° 36' E.

1.50 Wash drains S.E.
26.50 Enter hills bears NW & SE
40.00 Set sandstone 16 x 10 x 7- 10 in deep
marked 1/4 on N. side with stone
Mound for 1/4 sec Cor.
41.50 Range of hills bears NW & SE
48.50 Enter flat. bears NW & SE
80.00 Set sandstone, 16 x 12 x 4, 10 in
deep marked 6 notches on N
5 on E. & 1 on W side & S.B.
with stone mound for Standard
Cor to secs 31 & 32
Land mostly level
Soil 1st rate

4th Standard Parallel S. R.

No Timber
Mountainous on 22'00 Ch.

East on S. side of sec 32
Var 15° 36' E.
Enter bottom & heavy brush
7.40 Road bears N & S.
11.50 Right bank of Green River
runs S. Set sandstone
22 x 14 x 16, 16 in deep marked
M.C. with reg. mound of
earth & pits for Meander
Cor. to fractional sec
31.

Note.
Lacking facilities for
Crossing River I discon
tinue the line for the
present time.
Land good bottom

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R. 16° E.

Soil 1st rate
No Timber
Sept 17th, 1880

General Description

The line as far as surveyed
in this range embraces
Good Bench & Bottom
Lands which should
be subdivided

A D Perron
U.S. Dep'y Surveyor

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BOOK-A-171 LIST OF NAMES.

A list of the names of the individuals employed to assist in running, measuring or marking the lines and corners described in the foregoing Field Notes of the Survey of the North, fractional East & West boundaries & fractional subdivisions of T. 19 S. R. 9 E. Offset for 4th standard parallel S. being subdivision lines in T. 19 S. Rs 10. 11, 12 & 13 E. Fractional East boundary & fractional subdivisions in T. 20 S. R. 13 E. and the 4th standard South in ranges 14. 15 & part of 16 E. of the Salt Lake Meridian Utah Territory

showing the respective capacities in wh

they acted.

Peter F. Peterson	*Chainman.*
William T. Cordingley	*Chainman.*
John N. Johnson	*Flagman.*
Simon C. Dorlinger	*Axeman.*

BOOK-A

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16

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This goes at end of S. P.

BOOK-A-171

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We hereby certify that we have assisted

Augustus [illegible]

U. S. Deputy Surveyor in surveying the North, fractional East & West boundaries; & fractional subdivisions of T. 19 S. R. 9 E. Offset for 4th Standard Parallel South being subdivisions lines in Tp 19 S. Rs. 10. 11. 12 & 13 E. Fractional East boundary, & fractional subdivisions in Tp. 20. S. R 13 E. and the 4 Standard South in Ranges 14. 15 & part of 16 E. of the Salt Lake Meridian, Utah Territory.

This [illegible] 4 S. P.

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and that said Louis and Johnson have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Peter F. Peterson — Chainman.

William J. Cordingley — Chainman.

John N. Johnson — Flagman.

Simon C. Dollinger — Axeman.

Subscribed and sworn to by the above named persons, before me, a Justice of the Peace, for the County of Emery, in the Territory of Utah, this 18th day of September 1880

James T. Woodward J. P.

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[FORM OF FINAL OATH OF DEPUTY SURVEYOR.]

I, Augustus L. Peck

United States Deputy Surveyor, do solemnly swear that I have in my own proper person, and with the necessary assistance, well. truly, and faithfully executed the

surveys of the North, fractional East & West boundaries & fractional subdivision of T. 19 S. R. 9 E. Offset for the Standard Parallel S. being subdivisional lines in Tps 19 S. Rs 10, 11, 12 & 13 E. Fractional East boundary & fractional subdivision in Tp. 20 S. R. 13 E. and the 4th Standard Corner in Ranges 14, 15 & part of 16 East of the Salt Lake Meridian in Utah Territory,

under my contract with

Fred'k Solomon

United States Surveyor-General for Utah, bearing date August 16th, 188⁰; that in making the said survey I have used only such instruments as were approved by the said Surveyor-General exercising due care in the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment

upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public-land surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned, that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true, and correct returns of the said surveys.

Surveyor Town

U.S. deputy surveyor

Subscribed and sworn to before me this 18th. day of September, A. D. 1880.

James Woodward

Justice of the Peace for

Emery Co. Utah Ty.

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, November 9th 1880

The foregoing field notes of the survey of the 4th Standard Parallel S.

~~Township No~~ through Range No. 14, 15 & part of 16 E of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Ferrin

Under his contract No 97

of the 16 day of Aug. 1880,

in the month of Sept. 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Frde. Salomon

U. S. Surveyor General for Utah.

BOOK-A-171 297

R: 1881

Filed [illegible] 21 — 1881

Examined by T. C. Bailey

Compared by Buttner & [illegible]

FIELD NOTES

OF

THE SURVEY OF THE

Grand river Guide meridian

~~along W. boundaries of~~ [illegible]

of Townships No. 25, 24, 23, 22, 21 Range No. 23 & 24 E.

of the Salt Lake Meridian in Utah Territory.

BY

Ernst Buettner

U. S. DEPUTY SURVEYOR,

Under his Contract No. 96

dated July 28th 1880.

Survey commenced August 22d 1880.

Survey completed September 15th 1880.

[illegible] 11 [illegible] FB,

FOR CHAINMAN.

We William Buchner,
and Julius Nielson
do solemnly swear that we will faithfully execute the duties of chain carriers; that we will level the chain upon uneven ground, and plumb the tally pins, whether by sticking or dropping the same; that we will report the true distance to all notable objects, and the true length of all lines that we asssist in measuring, to the best of our skill and ability,

William Buchner
Julius Nielson

Subscribed and sworn to before me this 10th day of August 1880

Edward Michaels
Notary Public

do

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in

sk

tl

BOOK-A-171 FOR AXEMAN

I, J. D. Woods & William Shay. do solemnly swear that I will well and truly perform the duties of axeman, according to instructions given me, and to the best of my skill and ability.

William Shay.
J. D. Woods

Subscribed and sworn to before me this 16th day of August 1880.

Edward Michaelis
Notary Public

BOOK-A

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BOOK-A-171 FOR FLAGMAN.

I, Jaems Nielson

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

Jaems Nielson

Subscribed and sworn to before me this 10th day of August 1880

Edward Michaelis
Notary Public,

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Survey commenced Aug 22d 1880.

The instruments in use are A solar compass, new, manufactured by Gurley, without number.

A transit, manufactured by Stackpole & Brother, No 1734.

Both instruments have been examined and approved by the Surveyor General for Utah, as also my chains, 50 links long with brazed links, which I hereafter compare every morning and evening, according instructions.

I take an observation of Polaris with transit, calculating the azimuth angle with following formula:

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cos. latitude : radius : : cos. 88°
: sin azimuth.

I use same formula in all subsequent observations.

I find the solar compass to agree with the meridian thus obtained.

25.00

Grand River Guide Meridian
East boundary Tp 25 South, R. 23 E. 3.
of the Salt Lake Meridian.

307

August 23d 1880.

I commence at cor to Tps 25 & 26 South, Ranges 23 & 24 East, as established by U. S. Dep. Surveyor Ferd. Dickert in 1878, being a Granite 20 x 20 x 12 in. in large mound of stones, pits obliterated, which I renew, marked 6 notches on N, E, S and W. edges, from which

A piñon pine 12 in. dia. bears S 36° W. 43 links dist. mkd T 26 S, R 23 E, S 1, B.T.

A cedar 12 in. dia. bears S 30 lks dist., mkd T 26 S, R 24 E, S 6 B.T.

I run

N. on E. boundary Sec. 36
Var 15° 25' E.

On timber-plateau

25.00 Descend

W. boundary Tp 25 S, R. 23 E of the

31.00	Gulch drains N W.	
40.00	Set porphiry 24 x 14 x 11 in. ~~14~~ 18 in. deep with ~~regulation~~ ground, and mound of earth an pits, ~~as per instruction~~, mkd 1/4 on W. side for 1/4 sec. cor. No trees at hand.	
55.00	Deer creek 2 lks wide, 3 in. deep, runs	
75.00	Gulch drains N W.	15.00
80.00	Set porphiry 24 x 14 x 3 in, 16 in. deep with regulation ground and mound of earth an pits as per instruction, mkd 1 notches on S. and 5 on N. edges fo cor. to secs 25, 30, 31 & 36, from whic	26.30
	A piñon pine 7 in. dia bears N 40°20' E, 12 lks dist.	40.00
	A cedar 8 in. dia. bears N 86°10' W 22 lks dist.	45.00
	A piñon pine 12 in. dia. bear S 53 1/4° E 18 lks dist.	51.00
	All bearing trees marked as pe	60.5

instructions.
Land mountainous. Soil 3d rate.
Timber on 80.00 chs.
~~Augmented on 80.00 chs.~~

N. on E. boundary Sec. 25
Va. 15°25' E.

15.00 Enter wash heads SE.
26.30 Leave " drains NW.
40.00 Set porphiry 15 x 12 x 6 in, 10 in. ~~in~~ deep with Regulation ~~ground and~~ mound of earth and pits ~~as per instruction~~, mkd 1/4 on W side for 1/4 Sec. cor. from which
A cedar 6 in dia. bears S 74° E 15 lks dist
" " 12 " " " S 82° W 12 " "
Both mkd 1/4 S B T.
45.00 Leave hills and timber, enter creek bottom
51.00 Enter heavy brush
60.50 Castle creek 15 lks wide, 15 in. deep

310
6 310 Grand river Meridian
E. boundary Sp 25 S. R. 23 E of the Sa

runs NW. Leave brush, enter tim
62.04 Indian trail bears NW & SE.
64.00 Wash draws W. 11.00
70.75 " " "
80.00 Set a red sandstone 17 x 15 x 4 in.
10 in. in ground and mound
earth and pits as per instruct
mkd 2 notches on S and 4 on N.
edges for cor. to Secs 19, 24, 25 an
30, from which
Ol cedar 7 in. dia. bears N52°E 10
" " 12 " " " N46°W 53
" pinon pine 5 in " " S63½°W 76 36.98
" cedar 5 " " " S53°E 42 "
All marked as per instruction.
Land nearly level. 40.00
Soil 1st rate
Timber — cedars and pinon pin
and heavy brush on 80.00 chs.
Augmented on 80.00 chs.

N. on E. boundary Sec. 24
Var 15°25' E.

11.00 Foot of steep, high hill bears NW & SE.
It being impossible to measure line by means of chain, I have a flag set on top of hill in true N. course and run a base line W. 10 chs long to point, from which flag bears N 21°3' E., which gives for distance to flag 25.98 chs., to which add 11 chs, is
36.98 top of hill.
Enter a level, sparsely timbered grass-plateau
40.00 Set gray sandstone 14 x 12 x 8 in, 10 in. ~~in ground~~ ~~and~~ deep with regulation mound of earth and pits ~~as per instruction~~ mkd 1/4 on W side for 1/4 sec. cor. from which

312

8 312 Grand river Meridian

E. boundary Tp 25 S, R. 23 E of the Sa

	A cedar 8 in. dia. bears N 20° E 25 l	N. o
	mkd 1/4 S, B.T. Other trees too	
	scrubby.	37.00 A r
80.00	Set gray sandstone 16 x 11 x 4 in	40.00 Set
	10 in. ~~in ground and~~ deep with regulation mound	~~in~~
	of earth and pits as per instruction, mkd 3 notches on S. and 3 on Ned	and
	~~tion~~, for cor. to secs 13, 18, 19 & 24	1/4
	from which	N
	A cedar 9 in dia. bears N 33° W. 48	52.00 G
	" " 10 " " " S 58° E 42	80.00 Se
	Both mkd as per instruction	10
	Other trees too scrubby.	an
	Land 1st 11 chs and last 43.02 chs	4
	nearly level. Soil 1st rat	co
	rest mountainous, rocky.	A
	Timber, scrubby cedars and	"
	piñon pines on 80.00 chs.	
	~~Augmented on 54.02 chs.~~	

Meridian 313 BOOK-A-171 9
of the Salt Lake Meridian

N. on E. boundary Sec. 13.
Va. 15°25' E.

37.00 A ravine drains NW.
40.00 Set gray sandstone 15x11x8 in, 10 in.
~~in ground and~~ dug with regulation mound of earth
and pits ~~as per instruction~~, mkd
1/4 on W. side for 1/4 Sec. cor.
No trees at hand
52.00 Gulch drains W.
80.00 Set gray sandstone 16x12x10 in.
10 in. ~~in ground and~~ dug with regulation mound of earth
and pits ~~as per instruction~~, mkd
4 notches on S. and 2 on N. edges for
cor. to Secs 7, 12, 13 & 18, from which
A piñon pine 9 in. dia. bears N 12° E 33 lks
" " " 10" " " N 42° W. 52 "
Both mkd as per instruction.
Land nearly level. Soil 3d rate.
Timber - scrubby cedars & pines on 80.00 chs.
~~Augmented on 80.00 chs.~~
August 23d 1880.

Aug. 24th 1880.

N. on E. boundary Sec 12.

Va. 15°25' E.

40.00 Set gray sandstone 16x14x4 in, in mound of rocks, pits impracticab[illegible] mkd 1/4 on W. side for 1/4 Sec. cor. from which

Acedar 18 in. dia. bears S 23° W. 44 lks mkd 1/4 S B T. No other tree at hand

68.00 Steep, rocky Descent. Leave timber

80.00 Set red sandstone 20x15x4 in, in mound of rocks, pits impracticab[illegible] mkd 5 notches on S. and 1 on N. edges for cor. to Secs 1, 6, 7 & 12.

Land 1st 68.00 chs nearly level, rest mountainos. Soil 2d & 3d rate.

Timber - cedars and piñon pines on 1st 68.00 chs.

~~Augmented on 80.00 chs.~~

N.

Des

16.00 Des

30.00 Gu

38.00 On

40.00 Se

12

of

Ta

1/4

64.00 S

70.30 [illegible]

r

78.00 [illegible]

80.00 [illegible]

eridian
f the Salt Lake Meridian:

N. on E. boundary Sec. 1.
Var. 15°25' E.

Descend
6.00 Descend into deep gulch
0.00 Gulch drains N E. Ascend
8.00 On top
0.00 Set red sandstone 18 x 15 x 12 in, 12 in. ~~in ground and~~ deep corrt regulation mound of earth and pits ~~as per instruction~~, mkd 1/4 on W. side for 1/4 Sec. cor.
64.00 Steep Descent
70.30 Rock creek 8 lks wide 18 in. deep runs N W. Ascend
78.00 On top
80.00 Set red sandstone 20 x 12 x 5 in, 15 in ~~in ground and~~ deep corrt regulation mound and pits ~~as per instruction~~ mkd 6 notches on N, E, S & W. edges for cor to Sps 24 & 25 S,

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E. boundary Tp 25 S R. 23 E. Grand river of the Salt Lake Meridian.

Rs 23 & 24 E.

Land mountainous on 80 chs

Timber: A few scattered cedars, some brush on both sides of cre

Soil rocky, unproductive.

~~Augmented on 80.00 chs.~~

Aug. 24th 1880.

Note: For general description see end of field-notes of Subdivisions in Tp. 25 S. R. 23 E. and end of the notes of this meridian line.

Meridi
E. bou
of

26.00
31.00
36.50
40.00
56.00
80.00

Meridian 3/7
E. boundary Sps. 24 S, Rs. 23 E. 13
of the 3d P.M. Lake Meridian.

Sept. 3d 1880.

From cor. to Sps 24 & 25 S,
Rs 23 & 24 E, S run
N. on E. boundary Sec. 36
Va. 15° 25' E.

26.00 Ascend
31.00 Descend
36.50 A Gulch drains SW.
40.00 Set red sandstone 16 x 14 x 4 in
in mound of rocks, ~~pits being~~
~~impracticable~~, mark same
1/4 on W side for 1/4 Sec. cor:
Steep Ascent
56.00 top, enter plateau and timber.
80.00 Set gray sandstone 18 x 15 x 6 in,
12 in. ~~in ground and~~ deep with regulation
mound of earth and pits as per instruction
mark same 5 notches on N and
1 on S. edges. for cor. to Secs 25,
30, 31 & 36, from which
A pinon pine 12 in. dia. bears S 12° W. 24 lks

318 318 Grand river Meri
14 E. boundary Tp 24 S, R 23 E. of th

A cedar 20 in. dia. bears N 36½° W. 8
" " 15 " " " N 54° E 65 lb 80.00
" " 16 " " " S 26 E 24 lb
All mkd as per instruction.
Land 56 chs mountainous, rest nearly level.
Timber on last 24 chs, cedars and piñon pines
Soil 56 chs rocky, unproductive, rest nearly level, covered with fine grass.
~~Augmented on 80 chs~~

N. on E. boundary Sec. 25.
Va. 15° 25 E
25.00 Steep Descent Leave timber
40.00 Set red sandstone 14 x 12 x 10 in, 8 in. ~~in ground and~~ dup with regulation mound of earth and pits ~~as per instruction~~, mkd 1/4 on W. side for 1/4 sec. cor. 24.00 40.00
59.50 A Gulch drains W.

Ascend on W. end of high ridge.
80.00 Set red sandstone 18 x 10 x 5 in deep with irregular 10 in. ~~in ground and~~ mound of earth and pits as per instruction, mkd 2 notches on S. and 4 on N. edges for cor. to Secs. 19, 24, 25 and 30.
Land 1st 25 chs nearly level, rest mountainous
Timber – cedars and piñon pines on 1st 25 chs.
Soil – rocky, unproductive.
~~Augmented on 80 chs.~~ ✓

N. on E. boundary Sec. 24
Descend. Va 15° 25' E.
24.00 Gulch drains Westerly
Ascend on W. end of high ridge.
40.00 Set red sandstone 18 x 12 x 10 in mound of rocks, ~~pits in~~

~~practicable~~, mark same 1/4 on W. side for 1/4 Sec. cor.
Descend.
57.50 A Gulch drains N W.
Ascend
65.00 Top. Descend 5.00
80.00 Set red sandstone 15 x 10 x 10 in, 10 in. in ground and mound deep with regulation of earth and pits ~~as per instruction~~, mkd 3 notches on S and 3 on N. edges for cor. to Secs 13, 18, 19 & 24. 40.00 47.00
Land mountainous on 80 chs.
Timber - a few cedars.
Soil rocky and unproductive. 70.00
~~Augmented on 80.00 chs.~~ 80.00

Note: I here take an observation of the Northstar and find that the meridian

thus obtained substantially agrees, with the above line.
Sept 3 1880.

September 4th 1880.

N. on E. boundary Sec. 13.

5.00 A gulch drains N 65° W. Va 15 25 E.

40.00 Set red sandstone 18 x 12 x 4 in. 12 in. in ground and mound of earth from pits as per instruction, mkd 1/4 on W side for 1/4 Sec. cor.

47.00 A Gulch drains NW. Ascend W. end of high sand stone ridge.

70.00 Top. Descend.

80.00 Set red sandstone 16 x 14 x 4 in, in mound of rocks, pits impracticable, mkd 4 notches on S. and 2 on N. edges for cor. to Secs 7, 12, 13 & 18.

Land mountainous on 80.00 chs.
Timber — a few cedars
Soil rocky, unproductive.
~~Augmented on 80.00 chains.~~

N. on E. boundary Sec. 12.

8.50 Ø gulch drains N.W. Va 15° 20' E.
Ascend W. end of sandstone ridge
21.00 Top. Descend 10.00
34.00 Gulch drains W.
40.00 Set red sandstone 17 x 9 x 4 in. in 34.00
mound of rocks, pits impracticable, mkd 1/4 on W. side for 40.00
1/4 Sec. cor.
Line runs along W. end foot of
high plateau 50.00
80.00 Set red sandstone 20 x 12 x 4 in.
in mound of rocks, ~~pits impracticable~~, mkd 5 notches
on S. and 1 on N. edges for 67.00

cor. to Secs. 1, 6, 7 & 12.
Land mountainous, broken
on 80 chs.
Soil rocky, unproductive.
Timber – a few cedars.
~~Augmented on 80 chs.~~

N. on E. boundary Sec. 1.
Va 15° 20' E.

10.00 Foot of W. end of high plateau
turns NE.

34.00 Ascend

40.00 Set red sandstone 16 x 8 x 4 in.
in mound of rocks, ~~pits im-~~
practicable, mkd 1/4 on W. side
for 1/4 Sec. cor.

50.00 Top of spur bears N 70° E, where
it touches plateau and S 70° W
about 10 chs.
Descend

67.00 Gulch drains westerly along

20 324 Grand river
E. boundary Tp 24 S, R 23 E.
of the Salt Lake Meridian.

	foot of above spur.	
80.00	Set red sandstone 24 x 20 x 12 in 14 in. in ground in mound of rocks and earth from pits as per instruction, mkd 6 notches on N, E, S and W. edges, for cor. to Tps 23 and 24 S, Rs 23 & 24 E.	3.20
		5.50
	Land mountainous, broken on 80.00 chs.	15.00
	Soil rocky, unproductive.	17.00
	Timber – a few scattered cedars.	23.70
	Augmented on 80.00 chains.	27.00
	Sept. 4th 1880	30.00
	Note: For general description see end of fieldnotes of subdivisions in Tp. 24 S, R. 23 E. and the end of this meridian	40.00
		61.50

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Meridian
E. boundary Tps 23 S, Rs. 23 E. 21 325
of the Salt Lake Meridian

~~September 13th~~ 1880.

From cor. to Tps 23 and 24 S.,
Rs 23 & 24 E, I run

N. on E. boundary Sec. 36.
Va. 15°20' E.

3.20 Wash drains W. Ascend

5.50 Top of bench, extends E 10 chs, &
W. 6 chs

15.00 Leave bench, edge bears NW and SE.
Descend

17.00 Enter a flat

23.70 Wash drains NW.

27.00 Leave flat. Ascend

30.00 Top of sandstone ridge bs E 25.00
chs to foot of plateau, W. 10 chs.

40.00 Set red sandstone 15 x 12 x 5 in.
in mound of rocks, ~~pits impracticable~~, mark same 1/4 on
W. side for 1/4 Sec. cor.
On N. side of ridge.

61.50 Gulch drains W.

Grand river
E. boundary Tp 23 S, R. 23 E

Mer
of th

At foot of nearly perpendicular precipice.
Not being able to continue line farther N., I now return to 1/4 Sec. cor. and cause a flag to be set on top of precipice, than I run W. 25 chs to point, from which flag bears N 24°38' E, which gives for distance to flag 54.52 chs.
80.00 The Sections corner cannot be set there, I now ascend and set at place of flag, (14.52 chs in advance of sec. cor.) a gray sandstone 24 x 14 x 4 in. in mound of rocks, ~~pits~~ impracticable, mark same 1 notch on S and 5 on N. edges and W.C. for witness cor. to Secs. 25, 30, 31 & 36.
Land 61.50 chs mountainous
Soil 3d rate

~~14.52~~
40.00
75.52
80.00

Timber - a few scattered cedars.

~~Triangulated on 81.50 chains.~~

From Witness cor. 14.52 chains
N. of true corner
Run N. on E. boundary Sec. 25.
Vd 15°20'

~~14.52 Witness cor.~~ (Counting distance from true cor.)
Enter timbered plateau.

40.00 Set gray sandstone 30x24x3 in. 20 in. in ground and mound of earth from pits as per instructions mkd 1/4 on W. side for 1/4 Sec. cor. from which
A pinon pine 7 in. dia. bears S 80° W. 42 links dist, mkd 1/4 S.B.T.

75.52 A wash drains N.E.

80.00 Set gray sandstone 18x16x3 in. in mound of rocks, ~~pits impracticable~~, mkd 2 notches on S. and

4 on N. edges for cor. to Secs. 19, 24, 25 and 30.
No trees available.
Land sloping to N., broken.
Soil rocky, unproductive.
Timber-cedars and piñon pines on 65.48 chs.
~~Augmented on 65.48 chains.~~

N. on E. boundary Sec. 24.

20.00 Gulch drains NE. Va. 15°20'

40.00 Mark stationery red sandstone 48 x 24 x 6 in. above ground with cross and 1/4 and build a mound of rocks for 1/4 Sec. cor. no trees at hand.

72.50 Gulch drains NW.

74.00 On edge of precipice bears NE and SW. and
Set red sandstone 24 x 15 x 3 in.

in mound of rocks, ~~pits~~ impracticable, mkd 3 notches on S and 3 on N edges and W.C. for witness cor. to Secs 13, 18, 19 & 24.

It being impossible to follow line N. on account of precipice about 300 ~~feet~~ ~~steep~~ ~~hills~~, I set a large post with flag No 1 at witness corner. I then descend and cross Grand river, which runs S. westerly at foot of precipice. I now set my instrument in N. and S. line with flag on top of precipice and cause flag No 2 to be set on ~~S.~~ E. bank of river.

I then run W. 5 chs to point, from which flag No 1 bears S 15° 22' E. and flag No 2 S 18° 59' E.

which gives for distance to flag No 1 – 18.19 chs and to flag No 2 14.53 chs.

Set red sandstone boulder 14 x 12 x 8 in. 8 in. ~~in ground and~~ deep with Rig mound of earth from pits ~~as per instruction~~, at flag No 2, which is 77.66 chains N of cor to Secs 19, 24, 25 & 30, and mark same M.C. for Meander cor. 1.60

80.00 The cor. to Secs 13, 18, 19 & 24 falls in river; not established –

Land mountainous, broken

Soil rocky unproductive

Timber on 74.00 chs.

~~Augmented on 74.00 chains.~~

18.19
14.53
3.66
74
77.66
12.93
90.50

14.53
12.93

10.59
12.19
77.66
14.53
12.19
3.66

~~which is 12.19 Chains North of Cor. to Sec. 13, 18, 19 & 24~~
From instrument I run
S along E. boundary Sec. 13.
Var 15°20' E.

1.60 On ~~the~~ Right bank of Grand River.
Set red sandstone boulder
15 x 10 x 9 in, 10 in. ~~in ground~~
~~and~~ dup with regulation mound of earth and pits
~~as per instruction~~, mark same
M.C. for Meander cor. between
Secs 13 and 18, which gives
for width of river 12.93 chains.
September 13th 1880.

September 14th 1880.
From Meander corner between
Secs 13 and 18, which is 10.59 chs
N. of cor. to Secs 13, 18, 19 & 24,
I run
N. on E. boundary Sec 13.
Va. 15°20' E.

In river bottom.

28	Grand river W. boundary Tp 23 S, R 23 E	Merid of the
15.00	Leave same. Ascend	
30.00	Top of sandstone ridge bears NE & SW. Descend	
40.00	Set red sandstone 14 x 12 x 4 in. on solid rock in mound of rocks, mark same 1/4 on W. side for 1/4 Sec. cor	4.50 40.00
52.50	On right bank of river, which runs about 150 feet below. Descend	
74.00	Enter a flat. River heads E.	
78.50	Wash drains SE.	45.00
80.00	Set red sandstone 24 x 14 x 5 in, in mound of rocks, ~~pits impracticable~~, mark same 4 notches on S and 2 on N. edges for cor. to Secs 7, 12, 13 & 18.	70.00 80.00
	Land 69.41 chs mountainous soil rocky, unproductive Timber – a few scattered cedars.	
	~~Augmented on 69.41 chains~~	

N. on E. boundary Sec. 12.
Va 15° 20' E.
Mouth of Dolores bears N 73 3/4 E
1/2 miles dist.

4.50 Leave flat. Ascend.

40.00 Set gray sandstone 20 x 12 x 10 in.
in mound of rocks, ~~pits impracticable~~, mkd 1/4 on W. side for
1/4 Sec. cor.
In deep gulch drains S E.

45.00 Enter a plateau, bears N 70° E.
and S 15° W.

70.00 Gulch drains E.

80.00 Set gray sandstone 32 x 18 x 6 in.
in mound of rocks, ~~pits impracticable~~, mkd 5 notches on S.
and 1 on N. edges for cor. to
Secs 1, 6, 7 & 12.
Land mountainous on 80 chs,
Soil rocky, broken, unproductive

Timber a few scattered cedars.
~~Augmented on 80 chs.~~

N. on E. boundary Sec. 1
Va 15°20' E.

19.00 Gulch drains E. Ascend
40.00 On W end of burnt sandstone ridge bears E.
Set burnt sandstone 12 x 12 x 10 in in mound of rocks, ~~pits impracticable~~, mkd 1/4 on W. side for 1/4 Sec. cor.
Descend
63.00 Gulch drains N E.
80.00 Set gray sandstone 40 x 12 x 6 in, in large mound of rocks, ~~pits impracticable~~, mark same 6 notches on N, E, S and W. edges for cor to Tps 22 & 23 S, Rs 23 and 24 E.

Meridian 335 BOOK-A-171 31
of the Salt Lake Meridian.

Land mountainous on 80ch
chains.
Soil 3d rate.
Timber – a few cedars.
~~Augmented on 80ch chains.~~
September 6th 1880.

336 Grand river
32 E. boundary Tp 22 S, R 23 E
of the Salt Lake Meridian.

General description.

The land along this line is mountainous, broken, washed out by the action of water, the traces of which are visible all around.

The plateaus are covered with cedars and piñon pines and partly with fine bunch-grass.

Sept 14th 1880 —

Ernst Buettner
U.S. Dep. Surveyor.

Merid
E bou
of the

40.00

46.00

49.00

59.00

80.00

Meridian. 337 33.
E. boundary Sps 22 S. R 23 E
of the Salt Lake Meridian.

From cor. to Sps 22 and 23 S,
Rs 23 and 24 E. as established
by me, Drun.
N. along E. boundary Sec. 36
Var. 15°15' E.

Gradual Descent

40.00 Set gray sandstone 36 x 12 x 10 in.
deep with regulation
24 in. in ground and mound
of earth and pits ~~as per instruction~~,
mkd 1/4 on W. side for 1/4 Sec.
cor.

46.00 Wash drains W.

49.00 " " NE. Ascend

59.00 Sps of ridge bears NE and SW.
Descend

80.00 Leave hills.

Set gray sandstone 40 x 36 x 5 in.
deep with regulation
30 in. in ground and mound
of earth and rocks and pits
~~as per instruction~~, mkd

1 notch on S and 5 on N. edges for cor. to Secs 25, 30, 31 & 36.
Land mountainous, rocky on 80.00 chs.

Soil 3d rate.
No timber.

~~Augmented on 80.00 chains.~~

N. along E. boundary Sec. 25.
Va. 15° 10' E.

9.50 Wash drains N.E.

19.00 " " " . Enter bench.

40.00 Set gray sandstone 24 x 10 x 5 in. 16 in. ~~in ground and~~ deep with regulation mound of earth ~~and~~ rocks and pits ~~as per instruction~~, mkd 1/4 on W. side for 1/4 Sec. cor.

47.50 Wash drains E.

80.00 Set sandstone 20 x 12 x 6 in, 14 in. ~~in ground and~~ deep with regulation mound of earth

and
from pits ~~as per instruction~~,
mkd 2 notches on S and 4 on
N. edges for cor. to secs 19, 24, 25
and 30.

Land rolling
Soil 2d rate
No timber.

Note: I here take an observation
of Polaris and find that the
meridian thus obtained
substantially agrees with
the line as last given by my
Solar compass.

September 14th 1880.

340 Grand river

E. boundary Sp 22 S, R. 23 E.

Merid. of the

September 15th 1880.

N. along E. boundary Sec. 24.
Var 15° E.

16.00 Enter bad land hills bear NE and SW.

19.50 Wash drains NE.

32.50 Leave bad land hills. Enter flat.

40.00 Set sandstone 12 x 10 x 8 in, 8 in. ~~in ground and~~ dug with regulator mound of earth and pits ~~as per instruction~~. 40.00
mkd 1/4 on W. side for 1/4 Sec. cor.

49.50 Enter Wash (3 chs wide) drains NE.

50.25 At saleratus creek 2 lks wide 3 in. deep in wash. 3.00 chs. wide.

52.50 Leave wash. 80.00

54.00 W. end of bad land hills.

80.00 Set sandstone 12 x 12 x 10 in., 8 in. ~~in ground and~~ dug with regulator mound

of earth and pits ~~as per in-~~
~~struction~~, mkd 3 notches
on S. and 3 on N. edges for
cor. to Secs 13, 18, 19 & 24.

Land rolling.
Soil 2d and 1st rate
Indications of coal
No timber.

N. on E. boundary Sec. 13.
Var. 15° E.

40.00 Deposit 1 Quart of pebbles, 1 foot
in ground, erect mound of
earth from pits ~~as per instruc-~~
~~tion~~, for 1/4 Sec. cor. Neither
stone or stake to be found.

80.00 Set sandstone 12 x 10 x 8 in.,
8 in. ~~in ground and~~ mound
of earth and pits ~~as per~~
~~instruction~~, mkd 4 notches

E. boundary Tp 22. S, R 23 E

on S and 2 on N. edges for cor. to Sects. 7, 12, 13 & 18.
Land level. Soil 2nd rate.
No timber.
Indications of coal along line.

N. along E. boundary Sec. 12.
Va. 15° E.

40.00 Neither stone or stake being found I deposit a Quart of small pebbles 1 foot in ground and erect mound of earth from pits as per instruction, for 1/4 Sec. cor.

80.00 Set a sandstone boulder 10 x 9 x 8 in, 6 in. in ground and deep with regulation mound of earth and pits as per instruction, mkd 5 notches on S and 1 on N. edges for cor. to Secs 1, 6, 7 & 12.
Land gently rolling.
Soil 2d rate

Mersi
of the

8.00
40.00
42.00
80.00

No timber.
Indications of coal along line.

N. along E. boundary Sec. 1.
Va. 15° E.

8.00 A wagon track bears NE and SW.

40.00 Set sandstone boulder 8 x 8 x 8 in.
5 in. ~~in ground and~~ deep with Regulation
mound of earth from pits ~~as per instruction~~,
mkd 1/4 on W. side for 1/4 Sec. cor.

42.00 ~~Wash~~ Arroyo 3 ft. E.

80.00 Set sandstone 12 x 12 x 6 in. 8 in.
deep with Regulation
~~in ground and~~ mound of earth
from pits ~~as per instruction~~,
mkd 6 notches on N, E, S and
W. edges for cor. to Sec. 21 and
22 S., Rs 23 and 24 E.
Land gently rolling.
Soil 2d rate.
No timber.
Indications of coal along line.

344

40 E. boundary Sp 22 S R 23 E. Grand river of the Salt Lake Meridian.

Meri[illegible] N. bo[illegible] of th[illegible]

General Description.

The land along this line is of a very uniform character. It is nearly level, sloping towards S. here and there intersected by a group of gypsum or bad land hills and covered with black and white sage and some bunch-grass.

There are indications of coal along the line.

Sept. 15. 1880.

Ernst Buettner
U. S. Dep. Surveyor.

32.50
40.00
45.00
60.00
80.00

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Meridian 345

E. boundary Tps 21 S, Rs 23 E of the Salt Lake Meridian. 41

From cor. to Tps 21 and 22 S, Rs 23 and 24 E, I run

N. on E. boundary Sec. 36

Va. 15° 05' E.

32.50 Ascend

40.00 On S. side of ridge

Set gypsum 18 x 12 x 9 in. in deep pits. Regulation mound of earth from pits as per instruction, mkd 1/4 on W. side for 1/4 Sec. cor.

45.00 Tops of ridge bears NE 10 chs SW. about 2 miles.

60.00 Enter level ground.

80.00 Set sandstone 14 x 12 x 8 in. 9 in. in deep pits. Regulation ground and mound of earth from pits as per instruction mkd 1 notch on S and 5 on N. edges for cor. to Secs 25, 30, 31 and 36.

Land 1st 32.50 and last 20 chs.

Mer
of Gr

level, rest rolling.
Soil 2d rate
No timber.
Coal indications along line.

N. on E. boundary Sec. 25.
Va. 15°05 E.

5.00	Wash drains S E.	40.00
18.50	" " "	
23.50	" " "	
40.00	Set sandstone 10 x 9 x 8 in, 6 in. ~~in ground and~~ deep, with Regulation mound of earth and pits ~~as per instruction~~. mkd 1/4 on W. side for 1/4 Sec. cor.	80.00
70.50	Ascend	
76.00	Enter upper bench	
80.00	Set sandstone 14 x 12 x 10 in, 9 in. ~~in ground and~~ deep with Regulation mound of earth and pits ~~as per instruction~~. mkd 2 notches on S. and 4 on	

N. edges for cor. to Secs 19, 24, 25 and 30.
Land nearly level.
Soil 2d rate.
No timber.

N. along E. boundary Sec. 24.
Var 15.05 E.

40.00 Set a sandstone 12 x 10 x 6 in. deep with Regulation 8 in. ~~in ground and~~ mound of earth ~~from~~ and pits ~~as per instruc-~~ ~~tion~~, mkd 3/4 on W. side for 1/4 Sec. cor.

80.00 No stake or stone of required size being found, I erect Regulation mound of earth ~~from~~ and pits ~~as per instruc-~~ ~~tion~~ and set a cottonwood stake 2 feet long 2 x 2 in. 1 foot in ground in S E pit and mark same 3 notches on N. and 3 on S. edges ~~as per in-~~

		Meri[illegible] of the
	~~struction for cor. to~~ Secs 13, 18, 19 and 24.	
	Land level.	
	Soil 2d rate.	
	No timber.	
	Indications of coal along line.	
	✓ ————————	20.25
	N. on E. boundary Sec. 13.	33.00
	Var. 15° 05′ E.	40.00
40.00	Deposit a Quart of pebbles 1 foot in ground, of which one 3 x 2 x 1½ in. I mark with a cross and erect Regulation mound of earth from pits ~~as per instruction~~ for ¼ Sec. cor.	80.00
80.00	Set a sandstone 10 x 7 x 6 in, 6 in. ~~in ground and~~ deep with Regulation mound of earth and pits as per instructions, mkd 4 notches on S and 2 on N edges for cor. to Secs 7, 12, 13 & 18.	
	Land nearly level	

Meridian 3 4 9 BOOK-A-171 45
of the Salt Lake Meridian.

Soil 2d rate
No timber.
Indications of coal along line.

N. on E. boundary Sec. 12
Va. 12°05' E.

20.25 Wash drains E.

33.00 " " "

40.00 Deposit a sandstone 4 x 4 x 1½ in. 1 foot in ground, marked with cross, erect mound of earth ~~from pits as per instruction~~ Regulation for 1/4 Sec. cor.

80.00 Set sandstone 11 x 7 x 4 in, ~~in ground and~~ deep with Regulation mound of earth and pits ~~as per instruction~~. mark same 5 notches on S. and 1 on N. edges, for cor to Secs 1, 6, 7 & 12.
Land gently rolling

46 350 E. boundary Sps 21 S, R. 23 E 350 Ground river

Soil 2d rate

No timber.

Indications of coal along line.

N. on E. boundary Sec. 1.

Var 15° 0 5' E.

36.00 Indian trail bears NW and SE

40.00 Set a sandstone 11 x 7 x 5 in, 7 in. deep with Regulation in ground and mound of earth and pits as per instruction mkd 1/4 on W. side for 1/4 Sec. cor.

48.00 Creek draws S.W.

80.00 Set red sandstone 24 x 12 x 5 in. 16 in. in ground with Regulation deep and mound of earth and pits as per instruction, mkd C & notches on N, E, S and W. edges for Mon C.C. closing cor. to Sps 20 and 21 S. Rs 23 and 24 E.

Land gently rolling

Soil 2d rate

No Timber

Indications of coal along line.

September 15th 1880.

Note: This cor. falling in line of 4th Standard Parallel S. which is not run this far East, there abandon line.

At this point I take an observation on Polaris and find that the line last run agrees with the Meridian thus obtained.

48.
352

352

General Description.
The land along this line is nearly level, sloping toward S E. It is sparcely covered with greasewood and sagebrush. Grand River runs from 2 to 5 miles E of line, heads about N E. from last established cor. The flat wherein the line was run, extends from Grand River, on which there are some very fine bottoms, to Green River and about 15 miles W. to the foot of the Roan Mountains. I found indications of coal and also deposits of gypsum all along the line.

Ernst Buettner
U.S. Dep. Surveyor.

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353

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, May 5th 1881

The foregoing field notes of the survey of the

Grand River Guide Meridian
& through Townships 21, 22, 23, 24 & 25 S.
and 6 between Ranges 23 & 24 E.

Township No ~~#~~ ——— Range No 23 & 24 E

of the Salt Lake Meridian, Utah Territory,

Executed by Ernest Buettner

Under his contract No 96

of the 28th day of July 1880,

in the months of ~~Aug & September~~ 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

J. H. Salomon

U. S. Surveyor General for Utah.

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R: 1882.

4955

355

Filed May 1881.

Examined by John H. Campe

Compared by R. Gorlinski & E. Michaelis

FIELD NOTES

OF

THE SURVEY OF THE

Fractional Sub Divisions

of Township No. 22 S., Range No. 3. E.

of the Salt Lake Meridian in Utah Territory.

BY

A. D. Ferron

U. S. DEPUTY SURVEYOR,

Under his Contract No. 99

dated January 17th 1881.

Survey commenced May 26th 1881.

Survey completed " " 1881.

Perfectly [illegible] [illegible] wanted

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Sub Divisions Tp. 22 S., R. 3 E.

Survey commenced May 26
1881.

Note: The greater part of this township is unsurveyable consisting of high barren mountains, suitable for grazing purposes only, therefore from the cor. to secs. 33 & 34. on South Boundary of township established by me I run North between sec. 33 & 34 Var. 16° 30' E.

40.00 Set Trachyte 14x10x8, 9 in. deep. marked 1/4 on W. side with stone mound for 1/4 sec. cors

5.00 Ridge bears S. W. & S. E.

9.00 Marked stationery trachyte 2x2x2 feet above ground I noted on S. & 3 on E. edges with stone mound for cor to

secs. 27. 28. 33 & 34.
Land, Mostly level
Soil, 2d rate
Timber, afew cedars
Mountainous & undergrowth
80 chs.

East on true line betw. secs. 27 &
Var. 16° 50' E.

1,50 Spring branche 2 lks wide
in. deep in hollow runs N
Ascend.

40,00 Cedar ridge bears N. & S., a
sand stone 10x10x6, 6 in. deep
marked 1/4 on N. side with s
mound for 1/4 sec. cor.

Note: I abandon survey East on
account of unavailable lan

BOOK-A-171

T. 3. E. 358

Land, Mountainous
Soil, 2d rate
No timber
Mountainous on 40 chs.

West. betw. secs. 28 & 33.
Var. 16° 30' E.

2,50. Ridge bears N. & S.
6,25 Arroche Creek, 20 lks wide,
18 in. deep runs N.
11,20. Trail bears N. & S.
16,60 Spring branch 3 lks wide, 2.
in. deep runs N. E.
40,00 At foot of mountains set
stake to 16 x 16 x 8, 10 in. deep,
marked 1/4 on N. side pile
stone mound for 1/4 sec. cor.
Note: Here abandon line
Land, Mostly level

359 Sub. Divisions 359 Tp. 22. S. R. 3

Soil, 1st rate
Heavy undergrowth on 40 chs

North betw secs. 27 & 28
Var. 16° 50' E.

3,75. Spring branch 2 lks wide, 6 in. deep runs N. W.
25,50 Enter Gilson flat.
32,25. Neoche Creek, 20 lks wide 1 foot deep runs N. E.
40,00. Set trachyte 20x12x10, 15 in. deep, marked 1/4 on W. side with stone mound for 1/4 sec. cor.
75,00. Neoche Creek, 20 lks wide 1 ft. deep, runs N. W. Ascend
80,00 Set trachyte 14x10x8, 11 in. deep marked 2 notches on S & 3 on E edges with stone mound for c to secs. 22. 23 27. 28., from whi

40,00

Note:

a cedar 20 in. d'a. bears S. 85° E. 14 lks dist.
marked according to instructions.
Land, Mostly level
Soil, 1st rate
No timber
Heavy undergrowth on 80 chs.

East on true line betw. secs.
22. & 27.
Var. 16° 50' E.
Ascend.
40,00. Near top of ridge bears N. & S.
pit sand stone 10x10x9, 6 in.
deep, marked 1/4 on N. side
with stone mound for 1/4 sec. cor.
Note: On account of unavailable
land I abandon line here.
Land, West slope
Soil, 2d. rate.

361

Sub. Divisions Tp. 22. S. R.

No timber
Mountainous on 40 chs

11,50.
20,00
39,0
40,0

West on true line betw secs. 21 & 2
Var. 16° 50' E.
2,50. Neoche Creek, 20 lks wide,
1 ft deep runs N.
10,15 Trail bears N. & S.
22,00. Top of ridge point of foot hills
26,00. Gulch drains N. E.
32,00 do do do.
40,00 Marked stationery sand stone
6 x 3 x 2 ft above ground, 1/4 on
N. side with stone mound for 1/4 sec.
Note I abandon line here.
Land, Level & Broken
Soil 2d rate
No timber
Mountainous & undergrowth on 40 chs

43,87
45,25
46,57
80,00

T. R. 3. E. 362 BOOK-A-171

362

North betw. secs. 21 & 22
Var. 16° 30' E.

11,50. Low ridge bears N. W. & S. E.

20,00 Enter bench.

39,00 Enter Salina creek bottom.

40,00 On N. side of fence bears E. & W.
set charred cedar post, 4 x 4,
in. 4 ft long. 2 ft deep marked
1/4 on W. side with regul. mound
of earth & pits for 1/4 sec. cor.

43,87 Salina creek 40 lks wide
2 ft deep, runs W.

45,25 A cabin bears E. 2,25 chs.

46,57 Road bears E. & W.

80,00 Set sand stone 17 x 7 x 7, 11 in.
deep, marked 3 notches on
N. & E. edges with stone mound
for cor. to secs. 15. 16. 21 & 22.

Land, Mostly level
soil 1st rate, No timber

Sub Divisions Twp 22 S. R. 3

East on true line betw. secs. 15 & 22
Var. 16° 10' E.

14,50 Hollow drains S. W.

40,00 On ridge bears N. & S. set sand stone 13x10x4, 9 in. deep, mkd. 1/4 on N. side with stone mound for 1/4 sec. cor.

I abandon line here.

Land, Mostly level 18,20.
Soil, 1st rate 40,00
No timber

80,00

West on true line betw. secs. 16 & 21
Var. 16° 10° E

25,00 Foot of mountains.

40,00 Set sand stone 10x10x8, 6 in. deep, marked 1/4 on N. side with stone mound for 1/4 sec. cor.

Note: I abandon line here.

R. S. E. 364 BOOK-A-171

Land, Mostly level
Soil, 1st rate
No timber
Undergrowth & mountainous on 40 chs.

North Metes. secs. 15 & 16
Var 16° 10' E.
18,20. Weak drains S. E.
40,00 Set sand stone 18x10x4, 12 in deep, marked 1/4 on W. side with stone mound for 1/4 secs. cor.
80,00 Set sand stone 18x12x10, 12 in deep, marked 4 notches on S. & 3 on E. edges with stone mound for cor to secs. 9. 10. 15. 16.
Land, Rolling
Soil, 1st rate
No timber
Heavy undergrowth on 80 chs.

Sub Divisions, Sp. 22. S. R. 3.

BOOK

East on true line betw secs. 10 & 11 Note.
Var. 16° 10' E.

7,00 Spring branche 3 lks wide 2 in. deep in rock drains S.

32,00 East of ridge.

40,00 Set sand stone 11x10x4, 6 in. deep marked 1/4 on N. side with stone mound for 1/4 sec. cor.

Note. I abandon line here
Land, Mostly level
Soil, 1st rate
No timber

40,00

55,00

75,00

West on true line betw secs. 9 & 16 80,00
Var. 16° 10' E.

30,00 East of bluffs.

40,00 Set sand stone 10x10x4, 6 in. d marked 1/4 on N. side with stone mound for 1/4 sec. cor.

R. 3. E.

Note. I abandon line here.
Land, Mostly level
Soil 1st rate
No timber
Undergrowth & mountainous on 40 chs

North betw. secs. 9 & 10.
Var. 16° 10' E.

40,00. Set sand stone 16x10x8, 11 in. deep, marked 1/4 on W. side with stone mound for 1/4 sec. cor.

55,00 Wash drains S. E.

75,00 do do. do.

80,00 Set sand stone 20x8x4, 15 in. deep, marked 5 notches on S. & 3. on E. edges for cor to secs. 3. 4. 9 & 10.
Land, Rolling
Soil, 2d rate.

Sub Divisions Tp. 22. S.

No timber
Heavy undergrowth on 80 chs.

East on true line betw secs. 3 & 10
Var. 16° 10' E.
18,40. Wash drains S.
40,00 In cove hollow set sand stone
14x10x10, 9 in. deep, marked
1/4 on N. side with stone mound
for 1/4 sec. cor.
Note I abandon line here.
Land, Mostly level
Soil, 1st rate
No timber
Heavy undergrowth on 40 chs.

8,75
16,50
34,00
40,00

Note

A. 3. E.

West on true line betw. secs. 4 & 9
Var. 16° 10' E.
8,75 Wash drains S. E.
16,50 Ascend.
34,00 Hollow drains S. E.
40,00 Set sand stone 13x10x5, 9.
in. deep: marked 1/4 on N. side
with stone mound for 1/4 sec. cor.
Note: This line completes the ~~line~~ Survey
of all available land.
Land, Mostly mountainous
Soil, 2d rate
No timber
Mountainous & undergrowth
on 40 chs

May 26th 1881

Observed Polaris and found
Meridian to agree with line last run

369

General Description.

The land embraced in the fractional survey of this township, consist of the most part of a broad hollow sloping South to Salina Creek. The soil is of fair quality, and can be irrigated from the Salina Creek.

A. D. Perron
U. S. Deputy Surveyor.

A list of the names of the individuals employed to assist in running, measuing or marking the lines and corners described in the foregoing Field Notes of the Exterior & Subdivisions Lines of Tp. 22 S., R 3 E., Tp. 23 S., R 2 E.,# Tp. 23 S., R 3 E.; Tp. 23 S., R 4 E.; Tp. 23 S. R 5 E.; Tp. 24 S., R 4 E.,

(23 S. 2 E. is for marking corner [illegible])

showing the respective capacities in which they acted.

James B. Swenson	Chainman.
John Brandson	Chainman.
Charles C. Christensen	Flagman.
Peter E. Peterson	Axeman.
Joseph Humphrey	"

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3/12

We hereby certify that we have assisted

Augustus D. Tenor

U.S. Deputy Surveyor in surveying

Exterior and subdivision lines of Tps 22 S., R 3 E.; Tp 23 S., R 2 E.; Tp. 23 S., R 3 E.; Tp. 23 S., R 4 E.; Tp. 23 S. R. 5 E., Tp. 24 S., R. 4 E.

and that said Townships

have been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

James B. Sorensen Chainman.

Sorn Frandson Chainman.

Charles C. Christensen Flagman.

Peter F. Peterson Axeman.

Joseph Humphrey "

Subscribed and sworn to by the above named persons, before me, a Notary Public, for the County of Salt Lake, in the Territory of Utah, this 28th day of May 1881

Edward Michaelis
Notary Public

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[FORM OF FINAL OATH OF DEPUTY SURVEYOR.]

I, Augustus D Fenn United States Deputy Surveyor, do solemnly swear that I have in my own proper person, and with the necessary assistance, well, truly, and faithfully executed the Exterior & Subdivision Lines of Tp. 22 S., R 3 E.; Tp. 23 S., R 2 E.; Tp. 23 S. R 3 E.; Tp. 23 S., R 4 E.; Tp. 23 S. R 5 E.; Tp. 24 S., R 4 E.;

under my contract with Fred Salomon United States Surveyor-General for Utah, bearing date January 17th, 1881; that in making the said survey I have used only such instruments as were approved by the said Surveyor-General exercising due care in the preservation of adjustments of the same; that in using the solar compass I have at no time projected established lines depending for alignment

upon the magnetic needle; that I have in all respects complied with the laws of the United States governing public-land surveys, the surveying manual, and such additional instructions as have been furnished me by and through the said Surveyor-General relating to the aforesaid survey; that I have thoroughly acquainted my assistants in the field with the nature of their duties under the laws and instructions above mentioned, that to the best of my knowledge and belief all assistants so employed have likewise obeyed the aforesaid laws and instructions, and that the annexed field-notes are the original, true, and correct returns of the said surveys.

Augustus D. Fenn
U. S. Deputy Surveyor.

Subscribed and sworn to before me this 28th day of May, A. D. 1881.

Edward McKeely
Notary Public

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376

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, July 30th 1881.

The foregoing field notes of the survey of the

Fractional Subdivisions of

Township No 22 S. Range No 3. E.

of the Salt Lake Meridian, Utah Territory,

Executed by A. D. Perron

Under his contract No 99

of the 17th day of January 1881,

in the month of May 1881,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Fred. Salsbury

U. S. Surveyor General for Utah.

377

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2 R

12

BOOK-A-171 378 5

2 R: 1881

Filed Jany 21 1881.

Examined by T. C. Bailey

Compared by Gorlewski & Bouteth

FIELD NOTES

OF

THE SURVEY OF THE

South boundary

of Township No. 22 South Ranges No. 24, 25 & 26 E

of the Salt Lake Meridian in Utah Territory.

BY

Ernst Buettner

U. S. DEPUTY SURVEYOR,

Under his Contract No. 96

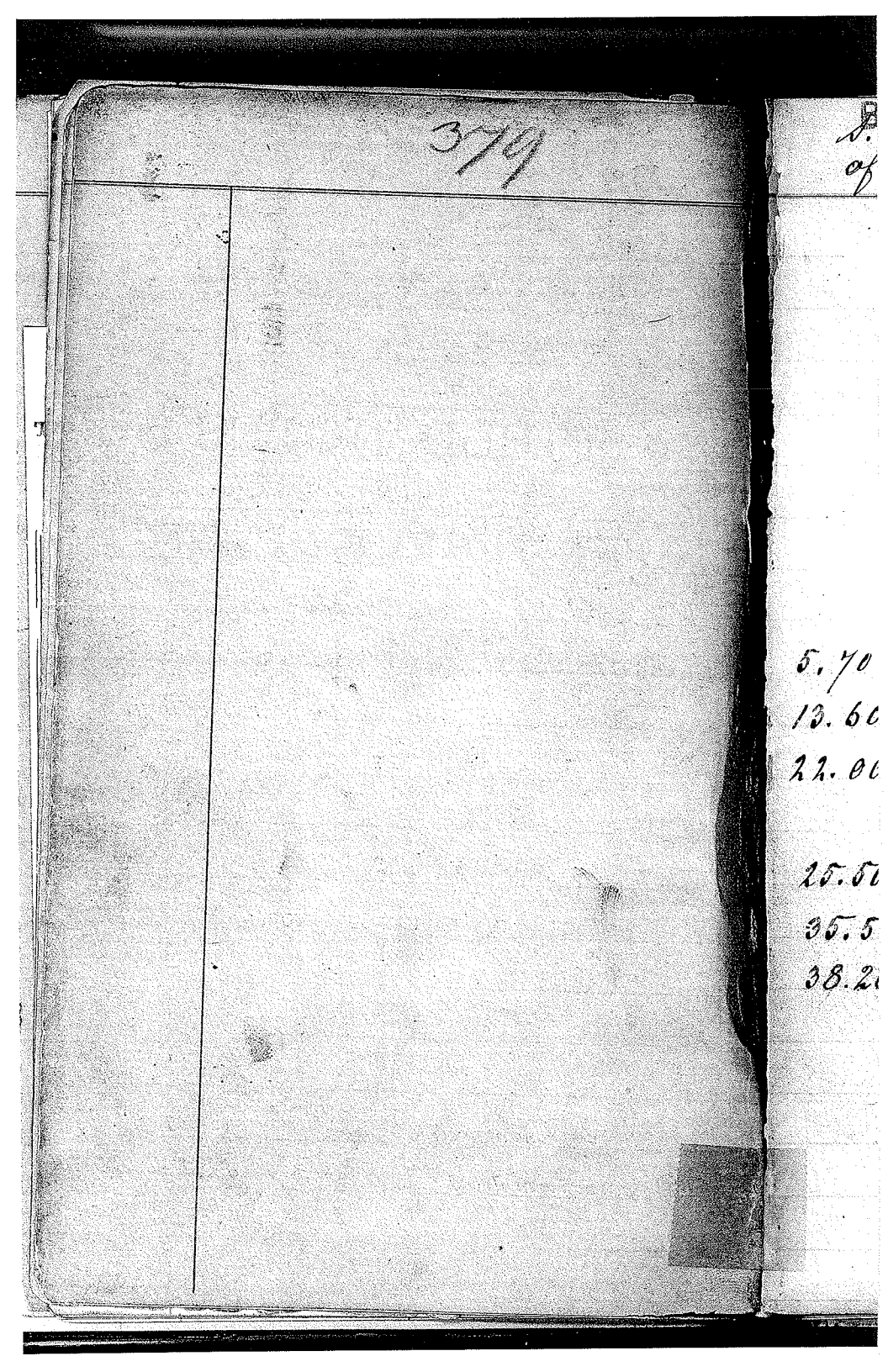
dated July 28th 1880.

Survey commenced September 16th 1880.

Survey completed September 21st 1880.

Transcripts made

NB. Jany 31st 1881.



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S. boundary Tp 22 S., R 24 E. 380
of the Salt Lake Meridian.

380

Survey commenced Sept. 16th
1880.

From cor. to Tps 22 and 23 South
Rs 23 and 24 E., established
by me, Drum
E. on S. boundary Sec. 31
Var. 15° 20' E.

Descend

5.70 Wash drains N E.

13.60 " " N. Ascend

22.00 Top of ridge bears N and S.
Descend

25.50 Gulch drains N. Ascend

35.50 On top of ridge bears N and S.

38.26 Allowing 1.74 chs for convergency of Meridians, I here set Gray sandstone 16x12x7 in. in mound of rocks, pits impracticable, mkd 1/4 on N side for 1/4 Sec. cor.

2 South boundary Tp 22 S. R. 24 E.

381

44.00	A. Gulch drains N E. Ascend
70.00	On top of ridge bears N E & S.
73.60	Gulch drains N E. Ascend
78.26	Set flinty sandstone 18x12x10 in in mound of rocks, pits impracticable, mkd 1 notch on W and 5 on E edges for cor. to Secs 5, 6, 31 and 32.

78.26

Land mountainous, rocky on ~~80~~ chs

Soil 3d rate

No timber.

~~Augmented on 78.26 chains.~~

E. on S. boundary Sec. 32

Var. 15° 20' E.

	Ascend
10.00	Top.
20.50	Descend
32.50	Gulch drains N E. Ascend
40.00	Set flinty sandstone 20x16x8 in

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382

in mound of rocks, ~~pits im-~~
practicable, mkd ¼ on N. side
for ¼ Sec. cor.

48.00 near right bank of Grand
River.
I cause a flag to be set in E. course on
left bank of River and run
N. 7 chs. to a point from which
flag bears S. 76° 59' E., which
gives for distance to flag
30.28 chs.
I now return to point 48 chs
E. of cor to Secs 5, 6, 31 & 32 and
continue E.

49.00 Steep rocky Descend

56.30 Foot, on right bank of Grand
River. Set a gray sandstone
15 x 12 x 4 in. in mound of
rocks, ~~pits impracticable~~,
mark same M. C. for Meander

South boundary Tp. 22 S., R. 24 E.

cor.

I now cross River and set instrument at flag, which point is 78.28 chs E. of cor to Secs 5, 6, 31 & 32 and run W.

Descend steep, rocky hill ~~19.48~~ chs, which is

65.10 On left bank of river, where I set gray sandstone 15 x 10 x 8 in in mound of rocks, pits impracticable, mkd M. C. for Meander cor. The river is 8.80 chs wide.

I then return to instrument and run E. 1.72 chs to

80.00 Top of ridge.

Set gray sandstone 26 x 12 x 10 in in mound of rocks, pits impracticable, mkd 2 notches

17.0
23.0
34.0
40.0
48.3
52.0

on W and 4 on E edges for
cor. to Secs 4, 5, 32 and 33.
Land mountainous on 1. 20 chs
Soil 3d rate
No timber. Some brush on both
sides of river.
~~Chs augmented on 1. 20 chs.~~

E. on S. boundary Sec. 33.
Va 15° 15' E.

17.00 Descend
23.00 Gulch drains N W.
34.00 " " "
40.00 Set gray sandstone 30 x 12 x 5 in,
20 in. in ground and mound
of earth and pits as per
instruction, mkd 1/4 on N.
side for 1/4 Sec cor.
43.50 Gulch drains N W. Descend
51.00 Enter rolling bench.

385

6 South boundary Tp 22 S, R. 24 E.

79.40 Wash drains N.

80.00 Set gray sandstone 20 x 15 x 5 in deep with Regulation 13 in. ~~in ground~~ and mound of earth and stones and pits as per instruction. mkd 3 notches on W. and 3 on E. edges for cor. to Secs 3, 4, 33 & 34. Land 1st 52 chs mountainous, rest gently rolling. Soil 2d and 3d rate Timber — some scattered cedars. ~~Augmented on 80 chs.~~

E. on S. boundary Sec. 34.
Va. 15° 33' E.

9.00 Gulch drains N. Ascend

18.50 Top of ridge bears N. Descend

30.00 Gulch drains N.

40.00 Top.

Set gray sandstone 25 x 18 x 3 in,

18 in deep with Regulation
~~stn~~ mound of earth and rocks
and pits ~~as per instruction~~,
mkd 1/4 on N. side for 1/4 Sec. cor.
55.00 Descend
68.00 Gulch drains N. Enter rolling ground
80.00 Set gray sandstone 20 x 12 x 5 in,
deep with Regulation
13 in. in ground and mound of
earth and stones and pits ~~as per~~
instruction, mkd 4 notches
on W and 2 on E. edges for cor.
to Secs 2, 3, 34 & 35.
Land 68 vo cho mountainous,
rest rolling.
Soil 2d and 3d rate
Timber - some scattered cedars.
~~Augmented on 80 vo chains.~~

Note: Here take an observation
of Polaris and find that the
meridian thus obtained,

South boundary Tp 22 S. R 24 E.

	substantially agrees with the line as given last by my solar compass. September 16th 1880.	80.00
	Sept. 20th 1880	
	E. on S. boundary Sec. 35.	
	Va. 15° 20' E.	
33.50	Leave bench. Descend	
37.50	Foot of cone mole. Ascend.	
39.50	Top " " " Descend	
40.00	On E. side.	
	Set gray flinty sandstone 14x8x7 in. deep with Regulation 9 in. in ground and mound of earth and pits as per instruction, mkd 1/4 on N. side for 1/4 Sec. cor.	18.00
46.50	Deep gulch drains S 5 chs, thence turns SW. Ascend	
56.00	Top. Descend along S. end of ridge bears N 86° E.	40.00

80.00 Set gray sandstone 35x20x12 in. in mound of rocks, ~~pits~~ impracticable mkd 5 notches on W and 1 notch on E edges for cor. to secs 1, 2, 35 and 36.
Land 1st 33.50 chs rolling bench, rest mountainous, rocky.
Soil 1st 33.50 chs 2d rate, rest rocky, unproductive.
Timber some scattered cedars.
~~Augmented on 80.00 chains.~~

E on S. boundary Sec. 36.
Var. 15° 15' E.

18.00 Gulch heads N 65° E, runs S W. 4 chs thence W. keeping within 2 chs of line. Ascend.
Enter cedars.

40.00 Set gray sandstone 30x12x4 in, in mound of rocks, pits im-

10 South boundary Tps 22 S, Rs 24 E

~~practicable~~, mkd 1/4 on N. side
for 1/4 Sec. cor., from which
A cedar 10 in. dia. bears S. 43 lks dis
mkd 1/4 S.B.T.
60.00 Tops of ridge bears N & S. Descend.
75.00 Gulch drains S. 8 chs, thence
turns SW. Leave cedars.
80.00 Set burnt Sandstone 14 x 12 x 10 in.
in mound of rocks 4 x 4 feet
base, pits impracticable, mkd
6 notches on N, E, S and W.
edges for cor. to Tps 22 and 23 S.
Rs. 24 and 25 E.
Land rocky, mountainous on
80.00 chs.
Soil unproductive.
Timber-cedars on 57.00 chs.
~~Overgrowth on 80.00 chs.~~
Sept. 20th 1880.

General Description.

The line is running through broken, rocky country, covered with a few scattered cedars and piñon pines. About 2 miles S. of line and nearly parallel to it is a high sandstone ridge on the S. side of which runs the Dolores river, along which is a fine bottom about ½ mile wide. The S W part of Tp. 22 S. R. 24 E. is excellent bottom land and should be subdivided.

Ernst Buettner
U. S. Dep. Surveyor.

12. South boundary Tps 22 S, Rs 25 E of M.

From cor. to Tps 22 & 23 S, Rs 24 and 25 E. Drun E. on S. boundary Sec. 31.

Va. 15° 10' E.

	Ascend	
16.50	Top of ridge bears N E & S W. Descend	
30.00	Gulch drains S W. Ascend along	
	S end of ridge bears N E.	
36.50	Top. Descend	
37.68	Allow 2.32 chs for convergency	17.5
	Set burnt sandstone 30 x 14 x 12 in.	20.0
	in mound of rocks, pits impracticable, mkd 1/4 on N side for 1/4	26.0
		30.5
	Sec. cor.	
58.00	Wash drains S W.	39.8
63.50	Gulch " S 60° W.	40.0
	Ascend on S. side of a canon.	
77.68	Set gray sandstone 14 x 12 x 10 in,	
	in mound of rocks, pits impracticable, mkd 1 notch on W and	66.5

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5 on E edges for cor. to Secs.
5, 6, 31 & 32.
Ld mountainous on W. 68 chs
Soil rocky, unproductive.
Timber – some scattered cedars.
~~Augmented on W. 68 chains.~~

E. on S. boundary Sec. 32.
Var. 15° E.

17.50 Trail bears NE and SW.
20.00 Descend
26.00 Hollow drains NW. Ascend
30.50 Descend. On N. side of sandstone ridge.
39.80 Gulch drains NW.
40.00 Set gray sandstone 25 x 14 x 10 in. in mound of rocks, pits ~~in prae~~ Lieable, mkd 1/4 on N. side for 1/4 Sec. cor.
66.40 Gulch drains NW. Ascend.

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14. South boundary Sp 22 S, R. 25 E of th

80.00 Mark stationary sandstone, 4 x 2 x 1½ feet above ground, with cross and 2 notches on N and 4 on E sides and erect mound of stones for cor. to Secs 4, 5, 32 and 33. Land mountainous on 80.00 chs. Soil 3d rate. Some scattered scrub-cedars ~~Augmented on 80~~ Streams. 41.6 65.0 80.0

E. along S. boundary Sec. 33. Va. 15° E.

5.00. Top of low sandstone ridge bears N & S. Descend

10.30 Head of Gulch. drains N.

40.00 Mark d broad sandstone ledge with cross and 1/4 on N. side of same and erect mound of stones for 1/4 Sec. cor.

of the Salt Lake Meridian

41.60 Gulch drains N 20° W.
Note: 3/4 mile below a spring in same gulch.
Ascend
65.00 Enter plateau
80.00 Set gray sandstone 20x12x10 in in mound of rocks, ~~pits impracticable~~, marked same 3 notches on W and 3 on E edges for cor. to secs 2, 3, 4 33 & 35.
Land mountainous, broken on 80.00 chs.
Soil rocky, unproductive
Timber - some scattered cedars and piñon pines.
~~Augmented on 80.00 chs.~~

16. South boundary Tp 22 S. R 25 E

E on S. boundary Sec. 34.

Var. 15° E.

19.40 Gulch drains N W.

30.83 Trail bears S 10° E.

40.00 Set gray sandstone 24x12x3 in. in mound of rocks, pits impracticable, mkd 1/4 on N side for 1/4 Sec. cor. 20.00 33.00 40.00

52.50 Gulch drains N W.
Ascend gradually

80.00 Mark a broad flat sandstone ledge with cross and 4 notches on W and 2 on E sides of same and erect a large mound of rocks for cor. to Secs 2, 3, 34 and 35. 80.00

Land mountainous, broken on 80 ch.

Soil rocky unproductive

Timber - some cedars and

piñon pines.
~~Augmented on 80.00 chs.~~

E. on S. boundary Sec. 35.
Va. 15° E.

20.00 On top. Descend.
33.00 A. Gulch bears N 50° W. Ascend
40.00 Set gray sandstone 26 x 18 x 12 in in mound of rocks, ~~pits~~ impracticable, mkd 1/4 on N. side for 1/4 Sec. cor.
Note: 10 chs S. a deep gulch drains Westerly, 1/2 mile S. top of a cedar ridge bears E & W.
80.00 Set gray sandstone 18 x 15 x 6 in. in mound of rocks, pits impracticable, mkd 5 notches on W and 2 on E edges for cor. to Secs 1, 2, 35 and 36.

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18. South boundary Tp 22 S. R 25 E

from which
A cedar 7 in. dia. bears S 10° E. 32 lks.
" piñon pine 8 in. " " N 22° W. 46 lks
Both mkd as per instruction.
Land mountainous on 80.00 chs
Soil rocky, unproductive.
Timber - some cedars and piñon pines. 60.50
Augmented on 80.00 chs. 80.00

E on S. boundary Sec 36.
Va. 15° E.

Descend
6.00 Gulch drains N 65° E.
Ascend
37.00 Top of sandstone ridge bears NW. and SE. Descend. Enter timber.
40.00 Set gray sandstone 14×10×6 in. 9 in. in ground and mound
Deep with Regulation

of earth and pits ~~as per dir~~
~~Instruction~~, mkd 1/4 on N. side
for 1/4 Sec. cor. from which
A pinon pine 10 in. dia. bears N 33° W 25 lks
" " " 12 " " " S 15° W. 48 lks.
Both mkd 1/4 S B T.

60.50 Deep gulch drains N W.
Ascend

80.00 Set gray sandstone 17 x 12 x 9 in.
in large mound of rocks, ~~pits im-~~
~~practicable~~, mkd 6 notches
on N, E, S and W. edges for
cor. to Sps 22 and 23 S. Rs 25 and
26 E. from which
A cedar 15 in. dia bears N 25° E 53 lks
A pinon pine 9 in. dia bears S 58° W 94 lks
" " " 7 " " " S 17° E 108 lks
All mkd as per instruction.
Note: No other tree at hand.
Land mountainous on 80 chs.

20. South boundary Tp 22 N. R. 25 E of the

Soil 3d rate

Timber on last 43 chs.

~~Augmented on 80 chs.~~

Sept. 20th 1880.

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of the Salt Lake Meridian 21.

General Description.

The land on both sides of line is mountainous, broken and devoid of water.

The drainage of the country is to the N. and N.W. to Grand River. Dolores River runs about 4½ miles S of line at the S. foot of a sand stone ridge, which bears E and W.

Ernst. Buettner
U. S. Dep. Surveyor.

22. South boundary Tps 22 S, R 26 E.

Sept. 21st 1880.

From cor. to Tps 22 and 23 S.
Rs 25 and 26 E, Drum
E. along S. boundary Sec. 31
Va 15° E.

5.00 Top of sandstone ridge bears
N W and S E. Descend

25.00 Gulch drains N 65° W.
Ascend. Leave dense timber.

40.00 Set gray sandstone 18 x 15 x 4 in. 7.00
in mound of rocks, ~~pits impracticable~~ 26.00
~~Trees~~, mkd 1/4 on N. side for
1/4 Sec. cor. 40.00
Descend.

66.00 Of Gulch drains S W.
Ascend gradually

80.00 Set gray sandstone 15 x 10 x 8 in. 69.50
in mound of rocks, ~~pits im~~ 80.00
practicable, mkd 1 notch on W.
and 5 on E. ~~edges~~ for cor. to

Secs 5, 6, 31 and 32.
Land mountainous, broken
on 80.00 chs
Soil rocky, unproductive
Timber on 1st 25.00 chs.
~~Augmented on 80.00 chains.~~

E on S. boundary Sec. 32.
Var. 15° E.

7.00 Descend gradually
26.00 Gulch drains S.
Ascend gradually
40.00 Set gray sandstone 15 x 12 x 6 in.
in mound of rocks, ~~pits~~
impracticable, mkd 1/4 on N
side for 1/4 Sec. cor.
69.50 Gulch drains S.
80.00 Set gray sandstone 18 x 10 x 6 in.
in mound of rocks, ~~pits~~
~~impracticable~~, mkd 2 notches

24 South boundary Tps. 22 S. R 26 E. of the

on W. and 4 on E. edges for 65.80
cor. to Secs 4, 5, 32 and 33. 80.00
Land mountainous, broken
on 80 ~~00~~ chs
Soil rocky, unproductive
Timber — scattered cedars and
pinon pines.
~~Augmented on 80 00 chs.~~

E. on S. boundary Sec. 33.
Var. 15° E.

7.00 Steep, rocky Descend bears NW & SE.
16.50 Ot foot. Ascend gradually
38.00 Gulch drains S 10° E.
40.00 Set gray sandstone 16 x 8 x 5 in,
in mound of rocks, ~~pits im~~
practicable, mkd 1/4 on N
side for 1/4 Sec. cor., from which
a piñon pine 6 in. dia bears N 20° E 53 lks
mkd 1/4 S.B.T.

65.80 Deep gulch drains S.
80.00 Set gray sandstone 14x8x7 in. in mound of rocks, ~~pits impracticable~~, mkd 3 notches on W and 3 on E. edges for cor. to Secs 3, 4, 33 and 34.
Land mountainous, broken on 80.00 chs
Soil rocky, unproductive
Timber - some scattered cedars and piñon pines.
~~Augmented on 80.00 chs.~~

Note: I here institute a search for the Colorado boundary, on which I, together with a large party, spend over 1/2 a day, but am unable to discover any trace of same. I therefor abandon line.

September 21st 1880

General Description.
The land on both sides of line is mountainous, broken, covered with some cedars and piñon pines, devoid of water.
The drainage of 1st 2 miles is towards Grand River, of the last mile apparently to Dolores River.

Ernst Buettner
U. S. Dep. Surveyor

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, May 5th, 1881

The foregoing field notes of the survey of the

South Boundaries of T. 22 S.,

Ranges 24, 25, & 26 E.

~~Township No~~ - ~~Range No~~

of the Salt Lake Meridian, Utah Territory,

Executed by E. Buettner

Under his contract No 96

of the 25 day of July 1880,

in the month of Sept 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

J. H. Salisbury

U. S. Surveyor General for Utah.

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R:

Filed 187 .

Examined by

Compared by G. Schutte and Wm Gorlinski

Lists made

FIELD NOTES

OF

THE SURVEY OF THE

Subdivisions in fractional

of Township No. 22 South Range No. 14 East

of the Salt Lake Meridian in Utah Territory.

BY

Ernst Buettner

U. S. DEPUTY SURVEYOR,

Under his Contract No. 96

dated July 28th 1880

Survey commenced September 17th 1880

Survey completed September 18th 1880

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Boundary of subdivision in fractional
Tp. 22 S., R 24 E. of the Salt Lake Meridian

~~409~~

Survey commenced Sept. 17th 1880.

From cor to Secs 33 and 34 on S. boundary of Tp, established by me, S run

N. on true line betw. Secs 33 & 34 Va. 15° 20' E.

Follow E. side of deep wash

5.20 A Wash drains W. 100 lks into main wash.

Descend

16.50 Bottom of Main wash drains N 10° E. Ascend

40.00 On top of bench, W. side of main wash.

Set gray sandstone 36 x 22 x 5 in, 27 in deep mound of rocks, ~~pits impracticable~~, mkd 1/4 on W side for 1/4 Sec. cor.

44.20 Leave bench. Descend

~~E. boundary~~ of Subdivisions in fractional Sp 2

46.00	Enter level flat	
65.00	Same wash drains N W.	
72.00	Leave flat. Ascend	27.25
73.40	Enter bench	40.00
80.00	Set gray sandstone 18 x 14 x 6½ 12 in. in ~~ground and~~ mound of earth from pits ~~as per instruction~~, mkd 1 notch on S and 3 on E. edges for cor. to Secs 27, 28, 33 & 34. (Depth Regulator)	80.00
	Land 1st 46.00 chs rolling, soil 2d rate, last 34 chs nearly level, soil 1st rate.	
	No timber.	
	Note: In wash in first ½ mile I discover a coal vein 12 in. thick.	

Mineral Sp 22 S, R. 24 E of the Salt Lake Meridian

Secs
N. between 27 and 28.

Va. 15° 20' E.

27.25 Wash drains S W.

40.00 Set gray sandstone 12 x 10 x 8 in.
8 in. ~~in ground and~~ deep with Reg
mound of earth from pits ~~as per~~
~~instruction~~, mkd 1/4 on W.
side for 1/4 Sec. cor.

80.00 Set gray sandstone 14 x 10 x 9 in.
8 in. ~~in ground and~~ deep with Reg
mound of earth and pits ~~as per~~
~~instruction~~, mkd 2 notches
on S and 3 on E edges for
cor. to Secs 21, 22, 27 and 28.

Land level bench.
Soil 1st rate.
No timber.

Note: 10 chs N. a broken sand-
stone ridge. Therefore abandon

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Subdi
R. 24

line.

~~Note. For general description~~
~~see end of subdivisions of~~
~~this fractional township.~~

~~September 1874~~ 1880

5.00
10.50
21.00

Subdivisions in fractional Tp 22 S. R. 24 E. of the Salt Lake Meridian.

~~Survey commenced Sept. 1874~~
~~1880.~~

From cor. to Secs 32 and 33 on S. boundary of Tp. I run N. on true line between Secs 32 & 33.
Var 15°20' E.

Descend

5.00 Gulch drains W. Ascend
10.50 Top. Descend
21.00 On E. bank of river. Bank 6 feet above water.
Set a gray sandstone 12 x 12 x 5 in. in mound of rocks, pits impracticable, mkd M.C. for Meander cor.
I now cause a flag to be set on E bank of river in due N. line. I then run E. 8 chs to point, from which flag bears

N 16° 48' E. which gives for distance to flag 26.50 chs, to which added 21.00 chs, gives

47.50 On E bank of river. in heavy brush.

Set gray sandstone 22 x 12 x 4 in. 14 in in ground and mound of earth and pits as per instruction, mkd M C for Meander cor. Bank of river 4 feet above water.

Note: The 1/4 sec. cor falls in river and is therefore not set.

51.00 Leave brush

80.00 Set gray sandstone 12 x 8 x 4 in. 8 in. in ground and mound of earth and pits as per instruction, mkd 1 notch on S and 4 on E edges for cor. to secs 28, 29, 32 and 33.

25.00
38.50
40.00
46.50
53.50
55.00
80.00
40.00

W. 24 E of the Salt Lake Meridian

Land 1st 21.00 chs mountainous
Soil 3d rate
Last 32.50 chs level, soil 1st rate.
Heavy brush along river.

E. on random line between
Secs 28 and 33.
Va. 15°20' E.

25.00 Wash drains N W.
38.50 Same " " S W.
40.00 Set temporary 1/4 Sec. cor.
46.50 Same wash drains N W.
53.50 Ascend
55.00 Enter bench.
80.05 Intersect N. and S. line 14 lks.
N. of cor. to Secs 27, 28, 33 and 34
from which cor. I run
on true line ~~with~~ N 89°56' W
~~Va. 15°20' E.~~

40.03 Set gray sandstone 20×12×10 in.

13 in. ~~in ground and~~ deep with Reg mound of earth and pits, mkd 1/4 on ~~W.~~ N. side for 1/4 Sec. cor. 21.

80.05 The cor. to Secs 28, 29, 32 and 33.

Land level, soil 1st rate, no timber

N. on true line between Secs 28 and 29. Va. 15°20' E.

13.50 On E bank of Grand river.

Bank 5 feet above water.

I set a gray sandstone 20 x 12 x 5 in 13 in. ~~in ground and~~ deep with Reg mound of earth and pits, mkd M. C. for Meander cor. in heavy brush. 38

I now cause a flag to be set on opposite bank of river in due N. line and run E 3 chs to point, from which flag bears N ~~70°21' W.~~ 19°30' N which gives for distance

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to flag and across river 8.40. chs
to which added 13.50, gives
21.90 Enter an island, covered by
a thick growth of willows and
cottonwoods.
Set in place of flag a cotton-
wood stake 4 feet long 4 x 3 in.
square, 2 feet in ground and
mound of earth and pits as
per instruction, mkd M.C.
for Meander cor.
Note: Bank of island 4 feet
above water. The river is 2½ feet
deep, rapid current.
38.00 On N. end of island.
Set a cottonwood post 4 feet
long, 4 x 4 in. square, 2 feet
in ground and mound of
earth and pits as per instruction,
mkd M.C. for Meander corner.

& Subdivisions in fractional Tp 22 S, | BO R. 24

Bank 3 feet above water. 68.00

I cause a flag to be set at opposite bank of branch of river in due N. line and run E 2 chs to point, from which flag bears N ~~60° 16'~~ 29° 44' W., which gives for distance to flag and across branch of river 3.50 chs, added to 38.00 chs, gives 80.00

41.50 On W. bank of river, heavy brush

Note: The 1/4 sec. cor. falls in river and is therefore not set.

Note: W. bank of river is 5 feet above water, which is 18 in. deep, current rapid.

In place of flag I set a cottonwood stake 4 feet long, 4 x 4 in. square 2 feet ~~in ground and~~ deep with Reg mound of earth and pits as per instruction, mkd M.C. for Meander cor. 11.50

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R. 24 E. of the Salt Lake Meridian.

68.00 Leave bottom and brush.
Enter bad land hills.

80.00 Set a gray sandstone 20x10x10 in. 13 in. in ground and mound of earth and pits as per instruction, mkd 2 notches on S and 4 notches on E edges for cor. to Secs 20, 21, 28 & 29.
Land level. Soil 1st rate
Heavy brush and cottonwood trees on 42.90 chs.
~~Augmented on 67.40 chains.~~

E. on random line between Secs 21 & 28
Va. 15° 20' E.

11.50 Leave bad land hills.
Enter river bottom, covered with heavy willow brush and cottonwood trees.

Subdivisions in fractional Tp 22 S.

BO

R. 24

16.74 On W. bank of branch of Grand River. Bank 4 feet above water. ~~Set cottonwood stake for temporary meander cor.~~
I cause a flag to be set on opposite bank in E line and run S. 2 chs to point, from which flag bears N 60° 15' E, which gives for distance to flag and across branch of river 3,50 chs, added to 16.74 ch. gives

42.0

20.24 Enter island, thickly covered with willow brush and cottonwood trees.
Bank 4 feet above water, water 15 in. deep, slow current.

55.0

~~Set temporary Meander cor.~~

56.5

33.40 On E end of island, extends N 4 chs., S 10 chs.
Bank 4 feet above water.

80.0

Set Temporary Meander cor.
I cause a flag to be set on
E. bank of Grand River in
an E. line and run 35 chs
to point from which flag
bears N 59°50' E, which gives
for distance to flag and width
of river 8.60 chs, to which
added 33.40 chs, gives
42.00 On E bank of Grand River.
Bank 5 feet above water, which
is 6-7 feet deep, slow current.
Set Temporary Meander cor.
Note: The 1/4 Sec. cor. falling in
river, is not set.
55.00 Ascend. Leave float and brush
56.50 Enter level bench.
80.00 Intersect N and S. line 20 lks
N of cor. to Secs 21, 22, 27 and 28.
from which cor. I run

~~W~~ on true line with course
S 89°51' W between Secs 21 and 28. 63.26
~~Va. 15°20' E.~~

38.00 On left bank of Grand River
Set flinty sandstone boulder
10×10×8 in, 6 in, deep with Reg ~~in ground and~~
mound of earth and pits ~~as per~~
~~instruction~~, mkd M.C. for 80.00
Meander cor.

46.60 On E. side of island.
Set cottonwood stake 4 feet long,
4"×4" in. square, 2 feet ~~in ground~~,
and deep with Reg mound of earth and pits
~~as per instruction~~, mkd M.C.
for Meander corner.

59.76 On W. side of island.
Set a cottonwood post 4 feet
long, 4×4 in. square, 2 feet ~~in~~
~~ground and~~ deep with Reg mound of earth
and pits ~~as per instruction~~

R 24 E of the Salt Lake Meridian

mkd M.C. for Meander corner.

63.26 On W. bank of river.
Set cottonwood stake 4 feet long
4 x 4 in. square, 2 feet in ground
and mound of earth and pits
as per instruction, mkd M.C.
for Meander cor.

80.00. The cor to Secs 20, 21, 28 & 29.
Land level. Soil 1st rate.
Heavy brush and cottonwood trees
on 31.40 chs.

Note: Here take an observation of the Northstar and find that the line last run agrees with the meridian obtained.

September 17th 1880.

Subdivisions in fractional Tp 22 S. R. 24

Sept. 18th 1880.

		80.00
	From cor. to secs 31 & 32 on S. boundary of Tp Due N. on true line between secs 31 & 32 Va. 15°20' E.	
	Descend	
7.50	Gulch drains N E.	
22.80	" " N 60° E. Ø coal vein 12" thick.	
36.50	" " N E. Ascend	
40.00	Set gray sandstone 16 x 10 x 10 in, 10 in in ground and mound of earth and pits, as per instruction, mkd 1/4 on W. side for 1/4 Sec. cor.	
45.50	Top of low ridge bears N E & S W.	10.00
	Descend	25.50
50.00	Gulch drains N E. Ascend.	
58.50	Top of ridge bears N E and S W.	30.00
	Descend	37.00

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R. 24 E of the Salt Lake Meridian

80.00 Set gray sandstone 18 x 12 x 8 in. 12 in. in ground and mound of earth and pits as per instruction, mkd 1 notch on S. and 5 on E. edges, for cor. to Secs 29, 30, 31 & 32.
Land mountainous on 80 chs.
Soil 2nd rate.
No timber.
~~Augmented on 80.00 chs.~~

E. on random line between Secs 29 and 32.
Va. 15° 20' E.

Ascend
10.00 On top. Descend
28.50 Wash drains N E. Ascend
A coal vein 12 in thick.
30.00 Enter bench
37.00 Descend

Subdivisions in fractional Tp 22 N,

38.00	Enter river bottom	80.00
39.95	Indian trail bears NW & SE.	
40.00	Set temporary 1/4 Sec. cor. Enter heavy brush and cotton wood trees.	
61.50	On W. bank of Grand River. Bank 5 feet above water	11.43
	Set temporary Meander cor. I cause a flag to be set on opposite bank of river in an E. line and run 3 chs S. to point from which flag bears N 67° E., which gives for distance to flag and width of river 7.07 chs, to which add 61.50 chs, gives	18.50
68.57	to E bank of Grand River. Bank 5 feet high, water 2 feet deep, current swift.	
	Set temporary Meander cor.	40.00
75.00	Leave brush.	

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R 24 E of the Salt Lake Meridian

80.00	intersect N and S line 12 lks S of cor. to Sects 28, 29, 32 & 33. from which cor. Drun N 89° 55' W. on true line between Secs 29 & 32 ~~Var 15° 40'~~
11.43	On E bank of Grand River. Set gray sandstone 30 x 15 x 4 in, 20 in. in ground and mound of earth and pits as per instruction, mkd M. C. for Meander corner.
18.50	On W. bank of river. Set a cottonwood stake 4 feet long 4 x 4 in. square, and mound of earth and pits as per instruction, mkd M.C. for Meander corner.
40.00	Set gray sandstone 20 x 10 x 6, 12 in. in ground and mound

~~16.~~ Subdivisions in fractional Tp 22 S. | BOOK R 24 E

	and pits as per instruction, mkd 1/4 on ~~W~~ N side for 1/4 sec. cor.	40.00
80.00	The cor. to secs 29, 30, 31 and 32.	69.00
	Land 1st 38.00 chs mountainous	78.10
	Soil 2d rate, rest level, soil 1st rate	
	Heavy brush and young cotton wood trees ~~in last~~ on N side 1/2 mile on	
	Mountainous 27.93 chs	
	Augmented on 72.93 chains.	38.10
	W. on random line between Secs 30 and 31.	
	Va. 15° 15' E.	78.10
0.25	Gulch drains N E. Ascend	
11.50	On top of ridge bears N E. Descend	
23.75	Gulch drains N E. coal indication in gulch. Ascend.	

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S. 24 E. of the Salt Lake Meridian.

40.00 Set temporary 1/4 Sec cor.
Descend.

69.00 enter flat.

78.10 16 lks N. of cor. to Secs
30 and 31 on W. boundary
of Township. The allowance
for convergency being 1.83 chs.
I now run S 89° 53' E on true
line Var. 15° 15' E.

38.10 Set gray sandstone 25 x 10
x 10 in. in mound of rocks,
pits impracticable, mkd
1/4 on N. side for 1/4 Sec. cor.

78.10 The cor. to Secs 29, 30, 31 & 32.
Lot mountainous on 69.00 chs
Soil 2d and 3d rate.
No timber
Accompanied on 78.10 chs.

Subdivisions in fractional Tp 22 S. | R 24

N. on true line between Secs 29 and 30

Va. 15°15' E.

0.30 Gulch drains N E.

32.12 Enter brodd wash

34.00 Leave " " , drains N E.

40.00 Set gray sandstone 12 x 12 x 10 in, 8 in. ~~in ground and~~ deep with Reg mound of earth and pits ~~as per~~ instruction, mkd 1/4 on W. side for 1/4 Sec. cor.

41.40 Enter wash and brush 15.00

53.30 Saleratus creek 2 lks wide 3 in. deep, in wash 40.00

53.50 Leave wash and brush. 55.70

80.00 Set flinty sandstone 12 x 10 x 8 in 8 in. ~~in ground and~~ deep with Reg mound of earth and pits ~~as per in~~ struction, mkd 2 notches on S and 5 on E edges for cor to 80.20 40.10

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R 24 E of the Salt Lake Meridian

Secs 19, 20, 29 and 30.
Land nearly level, soil 1st rate.
Heavy brush and a few cottonwood trees on 12.10 chs in last wash..
Note: 1 chain N. bad land hills, I therefore abandon further survey N.

E. on random line between Secs 20 & 29 Var. 15° 15' E.

15.00 Enter bad land hills.
Coal indications.

40.00 Set temporary 1/4 sec. cor.

55.70 Indian trail bears SE.

80.20 Intersect N and S line at cor to Secs 20, 21, 28 and 29.
from which cor. I run W.
on true line bet. Secs 20 & 29
Var. 15° 15' E.

40.10 Set gypsum 18x10x8 in. 12 in.

Subdivisions in fractional Tps 22 S.

in ground and mound of earth and pits as per instruction, mkd 1/4 on W. side for 1/4 Sec. cor. 38.20

30.20 The cor to Secs 19, 20, 29 & 30. Land 1st chs level, soil 1st rate, rest bad land hills. No timber. 78.20

W. on random line between Secs 19 and 30. Va 15° 15' E.

10.00 A wagon track bears SE.

21.50 Enter a wash 3 links E.

24.00 Saleratus creek, 2 lks wide 3 in. deep. in wash runs SE.

34.00 Leave wash drains SE.

40.00 Set temporary 1/4 Sec. cor.

78.20 Intersect W. boundary of Township. 20 lks N. of cor. to Secs 19 and 30, from which cor.

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R 24 E of the Salt Lake Meridian

I run N ~~S~~ 89°51' E. on true line bet. Secs. 19 & 30. ~~Va. 15°15' E.~~

38.20 Set an oak stake 4 feet long 4x4 in. square, 2 feet in ground and mth Reg mound of earth and pits ~~as per~~ instruction, mkd 1/4 on ~~W.~~ N. side for 1/4 Sec. cor.

78.20 The cor. to Secs 19, 20, 29 and 30.

Land level. Soil 1st rate.

Heavy brush on 12.50 chs in wash.

~~22~~ Meanders in fractional Tp 22 S.

BOOK R. 24

Meanders of the right bank of Grand River through the fractional Township.

Begin at the Meander cor. on S. boundary of Township. 56.30 chains E. of cor. to Secs 5, 6, 31 and 32 and run thence up stream in Sec. 32.

N 38½° E.	24.40 chs	Enter heavy brush
N 25° E	7.00 chs	
N 4° E	10.00 chs	At 9.00 chs mouth of wash 50 lks wide
N 10° W	11.00 chs.	
N 28° W	17.00 chs	
N 18° W	10.00 chs	
N 3½° W	9.00 chs.	To Meander cor. 61.50 chs E. of cor. to Secs. 29, 30, 31 & 32. Land along River rich bottom, thickly covered with brush
	88.40	

Augmented on 88.40 chains

N 77½° W
N 49½° W.
N 6° W.
N 10¾° E
N 40° E
N 70° E
N 86¼° E

R. 24 E of the Salt Lake Meridian

Meanders in Sec. 29.

~~Right bank of Grand river.~~

N 77½° W.	8.60 chs	
N 49½° W.	7.00 chs	
N 6° W.	8.00 chs	
N 10¾° E	22.00 chs	At 1.50 chs mouth of wash 5 chs wide, dry.
N 40° E	3.50 chs	
N 70° E	9.00 chs	
N 86¼° E	18.00 chs	To Meander cor. 38.50 chs
	76.10 chs.	S. of cor. to Secs 20, 21, 28 and 29.

The land along river is excellent bottom, thickly covered with willows and cotton-wood trees

Augmented on 76.10 chains.

Meanders in fractional Tp 22 S.

Meanders in Sec. 28
~~Right bank of Grand River.~~

N 89° E 7.00 chs
N 57 3/4° E 13.00 chs
N 9° E 14.00 chs
N 11 1/4° W. 18.00 chs to Meander cor. 16.74 chs
52.00 chs E. of cor to Secs 20, 21, 28 & 29.
Land rich soil, covered with heavy willow brush.
~~Augmented on 52.00 chs.~~

Meanders of left bank of Grand River.
Commence at Meander cor. 38.00 chs W. of cor. to Secs 21, 22, 27 and 28. and run down stream in Sec. 28.

S 22° W.
S 28 1/2° W
S 55 1/2° W.
S 64 3/4° W.
S 60 1/2° W.
S 21 1/4° W

N. 24 E of the Salt Lake Meridian

S 22° W. 40.00 chs

S 28½° W 21.00 chs

S 55½° W. 15.00 chs. Ot 12.00 chs mouth of wash, 40 lks wide.

S 64-¾° W. 5.20 chs. to Meander cor. 13.50 chs

81.20 chs. N. of cor. to Secs 28, 29, 32 and 33. Land rich bottom, covered with heavy underbrush.

Augmented on 81.20 chs.

Meanders in Sec. 29.

Left bank of Grand River.

S 60½° W. 9.00 chs

S 21 1/4° W 9.80 chs to Meander cor. 11.43 chs

18.80 chs. E of cor. to Secs 28, 29, 32 and 33. Land rich bottom covered with heavy brush

Augmented on 18.80 chs.

~~26.~~ Meanders in fractional Tp 22 S.

Meanders in Sec. 32.

Left bank of river.

S 1½° E 8.00 chs

S 26¼° E 24.00 chs

S 9° E 3.00 chs. to Meander cor. 32.50 chs.

35.00 chs S. of cor. to Secs 28, 29, 32 and 33. Land rich bottom, covered with heavy brush.

Augmented on 35.00 chs

Meanders in Sec. 33.

Left bank of Grand river.

S 16¼° E 11.00 chs

S 2½° W. 11.00 chs At 8.80 chs mouth of wash 30 lks wide

S 28¾° W. 5.50 chs to Meander cor. 21.00 chs

27.50 chs N. of cor. to Secs 32 and 33 on S. boundary of Township. Land rich bottom, heavily covered with willow brush

Augmented on 27.50 chains.

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R. 24 E of the Salt Lake Meridian.

Meanders in Sec. 32.

Left bank of Grand River.

S 33° W.	18.00 chs	At 5.00 chs leave bottom and brush. A sandstone ridge closes in on river. At 17.50. mouth of gulch 50 lks wide.
S 40 3/4° W.	7.80 chs.	to Meander cor. 14.90 lks
	25.80	W. of cor to Secs 32 and 33 on S. boundary of Township. Land 5.00 chs bottom, thickly covered with willow brush, rest rocky, broken.

~~Augmented on 5.00 chs.~~

Meanders of island in Grand River.

From Meander cor. on island 42.00 chs S of cor. to secs 20, 21, 28 and 29 I run on Easterly side of island in Sec. 29.

S 87½° W. 12.00 chs
S 77½° W. 8.00 chs
S 49° W. 4.30 chs
S 14¾° W. 11.00 chs
S 5° W. 11.00 chs
S 16½° E 4.00 chs
S 68¼° E 8.80 chs
N 10¼° E 7.00 chs
N 35¼° E 6.00 chs
N 61½° E 13.25 chs to Meander cor. 21.90 chs
85.35 chs N. of cor. to secs 28, 29, 32 and 33. The land is thickly covered with young cottonwood and

R.

N 37°
N 15½°
S 84¼°

R. 24 E. of the Salt Lake Meridian.

willow brush. The
soil is a 1st class black
loam.

Augmented on 85.35 chs.

Meanders of island in Sec. 28

N 37° E 5.20 chs
N 15½° E 13.00 chs
S 84¼° W. 6.10 chs. to Meander cor, from
24.30 which I started.
Land thickly covered
with heavy brush.
Soil 1st rate.

Augmented on 24.30 chs.

September 18th 1880.

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General Description.

This fractional township embraces a very fine bottom, which can be watered from Grand River at small expense. The island in River is about 6 feet above present stand of water and though not being subject to inundation, yet contains moisture enough to grow without irrigation. All of Sec. 31, the W½ of NW¼ and the SW¼ of Sec 32, and the SE¼ of Sec. 33 I report as coal land. In the gravel of Grand River I found some fine gold.

Ernst Buettner
U. S. Dep Surveyor.

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, May 5th. 1881

The foregoing field notes of the survey of the

Subdivisions of fractional

Township No 22 S. Range No 24 E.,

of the Salt Lake Meridian, Utah Territory,

Executed by E. Buettner

Under his contract No 96

of the 28th day of July. 1880,

in the month of Septemober 1880,

having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby approved.

Fred. Saltzer

U. S. Surveyor General for Utah.