179

BOOK-A-179

1

REPORT: 1883/5

Filed 188

Examined by John H. Campbe

Compared by John H. Campbe & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

South, West & North Boundaries

OF

78 Township No. 13 S.

Range No. 18 W.

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

F. C. Bailey

U. S. Deputy Surveyor,

Under his Contract No. 107

Dated March 11th 1882

Survey commenced March 20 1882

Survey completed " 21st 1882

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Township 13 S. R. 18 W

	26.		24		23		22		20		19
17	6	106	5	86	4	71	3	57	2	42	1
	105		104		85		70		55		41
16	7	103	8	84	9	69	10	54	11	39	12
	101		100		83		67		53		38
15	18	99	17	82	16	66	15	52	14	37	13
	98		96		80		65		50		35
14	19	95	20	79	21	64	22	49	23	33	24
	94		93		77		62		47		02
12	30	92	29	76	28	61	27	46	26	31	25
	90		89		74		59		45		29
11	31	88	32	73	33	58	34	43	35	28	36
	8		7		6		4		2		1

2

NAMES AND DUTIES OF ASSISTANTS:

Henry Fitzhugh ..... Compassman.
William Avery ..... Chainman.
Thomas Cook ..... Chainman.
Troe Fitt ..... Chainman.
Edward Spradley ..... Chainman.
Henry W. Von Legat ..... Axeman.
John F. Kearney ..... ~~Axeman.~~ + flagman
Hezrum Bates ..... axeman ~~Flagman.~~
Joseph S. Lee ..... ~~Flagman~~ + axeman

South boundary T.13 S.R. 18 W.

Chains	
	Survey commenced March 20th 1882, with a Burts improved solar compass. I begin at the cor. to Tps. 13 & 14 S. R. 17 & 18 W. on the Guide meridian which is a Trachyte Stone 18×12×12 ins. with stone mound, from which I run West on a true line bet. Secs. 1 & 36 Var. 16½ E.
40.00	Set trachyte stone 16×12×10 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. side & raised a mound of stones along side.
58.50	Descend bench bears N & S
65.00	Foot of Bench.

South Boundary T. 13 S. R.

80.00 Set Granite 12×8×8 ins.
8 ins. in the ground
for cor. to secs. 1, 2, 35 & 36.
Marked 1 notch on E & 5
on W. Edges, dug pits
18×18×12 ins, in each
section, and raised a
mound of earth 2 ft.
high 4½ ft. base alongside. 45.00
Land mostly bench.
Soil 2d rate.
Heavy Sage & Grasswood 80.00
on 80 chs.

" "

Met on true line
bet. Secs. 2 & 35.
Var. 16½° E

4.00 Set Granite 16×12×8 ins

10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. side; dug pits 18 x 18 x 12 ins. E & W. of stone 5 1/2 ft. dist. & raised mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.

45.00 Slough 1 ch. wide, 5 inches deep drains N.W. at foot of West slope of bench. and center meadow feat.

80.00 Set Trachyte Stone 19 x 13 x 12 ins. 14 ins. in the ground for cor. to secs. 2. 3. 34 & 35, marked 2 notches on E. & 4 on W. Edges: dug pits 18 x 18 x 12 ins. in each section 5 1/2 ft. dist. & raised mound of earth 2 ft.

6 South Boundary T. 13 S R.

Chains	high 4½ ft. base alongside. Land bench & meadow Soil 2d rate. Heavy sage brush on 45 ch to timber. 80.00
	West on true line bet. Secs. 3 & 34 Var. 16½° E.
2.00	East Edge of Lower Salt Marsh bears NW & SE. & leave meadow flat.
3.50	West edge of Marsh.
30.00	Road bears NW & SE.
40.00	Set Quartzite 18 x 18 x 7 ins. 12 ins. in the ground for ¼ sec. cor. Marked ¼ on N. side: dug pits

R. 18 W. S. L. M.

18 x 18 x 12 ins. E & W. of stone 5½ ft. dist. & raised mound of Earth 1½ ft. high 3½ ft. base alongside.

80.00 Set Quartzite stone 23 x 20 x 10 ins. 16 ins. in the ground for cor. to secs 3.4.33 & 34, marked 3 notches on E. & W. Edges dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist, & raised mound of earth 2 ft. high 4½ ft. base alongside.

Land level.

Soil 1st rate.

Heavy Greasewood & sage brush on 80 chs.

No timber.

South Boundary T. 13

chains	
	West on true line bet. secs. 4 & 33 var. 16½° E
20.00	Enter alkali flat N. & S.
25.00	Leave " " " "
40.00	Set Quartzite stone 36 x 20 x 20 ins, 24 ins. in the ground for ¼ sec. cor. Marked ¼ on N. side, dug pits 18 x 18 x 12 ins. E & W. of stone 5½ ft. dist, & raised mound of earth 1½ ft. high 3½ ft. base alongside.
72.00	Road to Cheerry Creek bears NE & SW.
80.00	Set Limestone 20 x 20 x 10 ins 15 ins. in the ground for cor. to secs. 4, 5, 32 & 33, Marked 4 notches on E.

R. 18 W. S. L. M.

&2 on W. Edges, and raised mound of stone alongside.

Land rolling bench soil 1st & 2d rate.

Heavy sage brush on 80 chs.

— " —

West on true line bet. secs. 5 & 32

Var. 16½° E.

12.00 Wash drains SE.

34.50 " " "

40.00 set Quartzite stone 26 × 17 × 8 ins, 18 ins. in the ground for ¼ sec. cor. Marked ¼ on N. side and raised mound of stone alongside.

South Boundary T. 13 S. 6

46.00	Wash drains S.E.	30.00
65.00	" " "	32.50
80.00	Set Quartzite 40×25×15 ins. 26 inches in the ground for cor. to secs. 5.6.31&32, marked 5 notches on E & 1 on N. Edges & raised mound of stone alongside.	40.00
	Land high bench.	7.00
	Soil & rate.	78.8
	Dense sage brush on 80 chs.	
	No timber.	

"

West on true line
bet. secs. 6 & 31
Var. 16½° E.

S. R. 18 W. 9 S. L. M.

30.00	Ridge bears N & SW.
32.50	Wash drains SW.
40.00	Set Quartzite stone 30 x 30 x 18 ins., 20 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. side and raised mound of stone alongside.
70.00	Knoll on line.
78.80	(Allowing for convergency of meridians) Set Quartzite rock, 48 x 48 x 40 ins., 37 ins. in the ground for cor. to S. 13 & 14 S. R. 18 & 19 W. marked 6 notches on N. E. & SW. Edges, and raised a mound of stone along side. Land rolling bunch. Soil 2d rate.

Dense sage brush and Greasewood on 78.80 chs.
No timber.

— " —

Wes

15.0
39.4
40.0

71.
80.0

West boundary T 13 S. R 18 W. S.L.M.

From the cor. to town=
ships 13 & 14 South R. 18
& 19 W. viz: A Quartzite
Rock 48 x 48 x 40 ins.
with mound of stone.
Drew
North on range line
bet. Secs. 31 & 36
Var. 16½° E.

15.00 Wash drains &c.

39.90 " " "

4.00 Set Quartzite 20 x 20 x 4
ins. 15 ins. in the ground
for ¼ sec. cor. marked
¼ on W. side & raised a
mound of stone alongside

71.50 Gulch drains &c.

8.00 Set Quartzite 30 x 25 x 16
ins. 20 ins. in the ground

West Boundary T. 13 S. R.

chains	for cor. to secs. 25, 30, 31 & 36, Marked 5 Notches on N. and 1 on S. Edges, & raised mound of stone alongside. Land high rolling bench. Soil 2d rate. Dense Grasswood & Sage brush on Rocks. No Timber.	40.0
	"	45.
	"	80.0
	North bet. Secs. 25 & 30 Var. 15½° E	
15.00	Gulch drains SE.	
26.50	" " "	
30.00	" " "	
39.90	Road to Sanford bears	

R. 18 W. S. L. M.

N W & SE.

40.00 Set Quartzite 20 x 15 x 12 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. side & raised mound of stone along side.

45.00 Gulch drains SE, at foot of Mountains; ascend

Leave brush.

80.00 Set Quartzite 27 x 16 x 9 ins. 18 ins. in the ground for cor. to secs. 19. 24. 25 & 30, marked 4 notches on N. & 2 on S. Edges & raised mound of stone alongside.

Land Mountainous, Soil 2d rate.

Mountains & brush on 45.00 chs.

16 West Boundary T. 13 S. R. 18

Chains	North bet. secs. 19 & 24 Var. 16½° E.
15.00	Gulch drains S E
40.00	Set Quartzite 30×25×12 ins. 20 ins. in the ground for ¼ sec. cor. Marked ¼ on W. side and raised mound of stone alongside.
80.00	Set Quartzite 20×14×9 ins. 15 ins. in the ground for cor. to secs. 13. 18. 19 & 24 Marked 3 notches on N. & S. Edges, and raised mound of stone along side.
	Land Mountainous on 80 chs.
	Soil rocky 3d rate.
	No timber

Chains

40.00

80.00

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Chains	
	North bet. Secs. 13 & 18
	Var. 16½° E.
	Along East slope of mountains.
40.00	set Quartzite Stone 12x8x8 ins. 8 ins. in the ground for ¼ sec. cor. marked ¼ on N. side & raised mound of stone alongside.
80.00	Set Quartzite 25x15x8 ins. 18 ins. in the ground for cor. to secs. 7, 12, 13 & 18, marked 2 notches on N. & 4 on S. Edges, and raised mound of stone alongside.
	Land mountainous on 80 chs.
	Soil 3d sort. No timber

West boundary T 13 S.

chains North bet. Secs. 7 & 12
Var. 16½ °E,
Along East slope of Mountains.

40.00 Set Quartzite 18 x 15 x 10, ins. 12 ins in the ground for ¼ sec. cor. marked ¼ on N. side, and raised mound of stone alongside.

80.00 Set Quartzite 21 x 11 x 11 ins. 15 ins. in the ground for cor. to secs. 1, 6, 7 & 12, marked 1 Notch on N. & 5 on S. Edges & raised mound of stone along side.

Land Mountainous on 80 chs.

Soil 3d rate, rocky

No timber.

R. 18 W. S. L. M.

Chains	
	North bet. Secs. 1 & 6
	Var. 16½° E.
	Alng East slope of Mountains.
4.00	Set Quartzite 19×17×8 ins 14 ins. in the ground for ¼ sec. cor. marked ¼ on W. side, and raised mound stones alongside.
8.00	Set Quartzite 23×17×4 ins 16 ins. in the ground for cor. to Tps 12 & 13 S. R. 18 & 19 W., marked 6 notches on N. E. S & W. Edges & raised mound of stone alongside. Land Mountainous on 80 chs. Soil 3d rate - rocky. No Timber. March 20th 1882.

North boundary T. 13 S.

March 6th 1882

From the cor. to Tps. 12 & 13 S. R. 18 & 19 W. just set by me, I run East on a random line between said townships, the variation of my compass being 16½° E. I set temporary half mile and mile corners at every 40 and 80 chs, and at 5 miles, 78 chs. & 76 links, I intersect the east boundary of the Township 36 links N. of the cor. to Tps. 12 & 13 S. R. 17 & 18 W, on the guide Meridian; the correction for the two line will therefore be

R. 18 W. S. L. M.

Chains	6 links south and 124 links west per mile & the course will be N 89°57' W.
	From the corner to Cors. 12 & 13 S. R. 17 & 18 W. which is a Quartzite stone 58 x 30 x 20 ins, with mound and pits, I run N. 89°57' W. on true line bet. Secs. 1 & 6 Var. 16½° E.
35.00	Ascend
40.00	Set Quartzite 12 x 12 x 10 ins, 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. side & raised mound of stone alongside.

North boundary T. 13 S. R.

42.00	Ridge bears S E & N W.
47.00	Wash drains S E.
80.00	Set Quartzite 20×16×7 ins. 15 ins. in the ground for cor. to secs. 1. 2. 35 & 36, marked 1 notch on E. & 5 on W. Edges, and raised mound of stone alongside.
	Land high rocky bench. Soil 3d rate.
	Dense sage brush on 80 chs.
	No timber.

N. 89° 57' W. on true line bet. secs. 2 & 35

Var. 16½° E

0.00 Enter south slope of mountains

18 N. S. L. M.

3.50	Wash drains S.E.
40.00	Set Quartzite 20×20×10 ins. 15 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on N. side, and raised mound of stone alongside.
60.00	Wash drains S.E.
80.00	Set Quartzite 26×15×8 ins. 18 ins. in the ground for Cor. to Secs. 2.3.34 & 35, Marked 2 notches on E. & 4 on W. edges, and raised mound of stone along side.

Land South mountain slope.
Soil 2d rate.
No timber.
Pits. on 80 chs.

24

North boundary T. 13 S. R. 18 W.

chains	N. 89°57' W. on true line bet. Secs. 3 & 34 Var. 16°½° E.	
11.00	Wash drains S E.	
34.50	" " "	
40.00	Set Quartzite 30×15×10 ins. 20 ins. in the ground for ¼ Sec. cor. marked ¼ on N. side, and raised mound of stone alongside.	
78.50	Trout Creek 10 lks wide runs S E.	40.
80.00	Set Quartzite 25×18×10 ins. 18 ins. in the ground for cor. to secs. 3. 4. 33 & 34, marked 3 notches on E & W. Edges, and raised a mound of stone along side.	47 56 80.

18 W. S. L. M.

Land South slope of Mountains.
Soil 2d rate.
No timber.
Mountains on 80 chs.

— " —

N. 89° 57' W. on true line
bet. Secs. 4 & 33
Var. 16½° E.

40.00 Set Quartzite 26×17×9 ins. 18 ins. in the ground for ¼ sec. cor. marked ¼ on N. side, & raised mound of stone alongside.

47.00 Gulch drains S E.

56.00 " " "; ascend

80.00 Top of Knoll set a Quartzite 23×17×12 ins.

North boundary T. 13 S. R. 18

15 lks. in the ground
for cor. to secs. 4, 5, 32 & 33
Marked 4 notches on E.
& 2 on W. Edges, and raised 44.0
mound of stone alongside
Land South slope of
mountains. 60.0
Soil 2d rate.
No timber. 80.0
Mts. on 80 chs.

N. 89°57' W. on true line
bet. Secs. 5 & 32
Var. 16½° E.

20.00 Spur of ridge bears S E.
40.00 Set Quartzite 20 x 15 x 12 ins.
15 ins. in the ground for
1/4 sec. cor. Marked 1/4

18 N. S.L.M.

on N. side, and raised mound of stone along side.

44.00 Birch creek 10 lks wide runs SE. in cañon

Ascend to

60.00 On top of west side of Cañon.

80.00 Set Quartzite 20×16×10 ins. 15 ins. in the ground for Cor. to secs. 5, 6, 31 & 32, marked 5 notches on E. & 1 on W. Edges, and raised mound of stone alongside.

Land Mountainous.

Soil 3rd rate - rocky

No timber.

North boundary T. 13 S. R.

chains N. 89° 57' W. on true line
bet. Secs. 6 & 31
Var. 16° 1/2 E.

0.00 Accepted.

2.00 High Mountain spur
bears South, rising to top
of a large rocky Butte
about 50 chs. S. of line.

40.00 set Quartzite 25 x 17 x 12 ins.
18 ins. into the ground for
1/4 sec. cor. Marked 1/4
on N. side & raised a
mound of stones along
side.

55.00 Head of Gulch drains SE.

78.76 To the cor. to T. 12 & 13 S. R.
18 & 19 W. set by me on
this survey.

Land Mountainous on 78.76 chs.
Soil 3d rate, rocky
Timber.

18 W. S. L. M.

For General Description
see end of Subdivision
notes of this Tp.
March 21st 1882
T. C. Bailey
U. S. Dep. Sur.

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 14th 1882

The foregoing field notes of the survey of the

South, West, & North Boundaries

Township No. 18 South *Range No.* 18 West

of the Salt Lake Meridian, Utah Territory,

Executed by F. M. Bailey

Under his *contract No.* 107

of the 11th *day of* March 1882,

in the month of March 1882,

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

Fred Salisbury

U. S. Surveyor General for Utah.

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R: 1883.

32

Filed 187 .

Examined by

Compared by L. W. Hickok & E. Solomon

FIELD NOTES

OF

THE SURVEY OF THE

Subdivisions

79 of Township No. 13 S, Range No. 18 W

of the Salt Lake Meridian in Utah Territory.

BY

T. C. Bailey

U. S. DEPUTY SURVEYOR,

Under his Contract No. 107

dated Mch 11th 1882

Survey commenced March 22 1882

Survey completed " 27 1882

3

NAMES AND DUTIES OF ASSISTANTS:

Henry Fitzhugh Compassman
William Avery Chainman.
Thomas Cook Chainman.
Ture Felt Chainman.
Edward Spradley Chainman.
Henry W. Von Legat Axeman.
Hyram Bates axeman ~~Flagman.~~
John F. Kearney Flagman
Joseph S. Lee axeman

Subdivisions Tp. 13 S. R 18 W. S. L. Meridian

Survey commenced March 22 1882 with a Burts improved Solar Compass.

From the cor. to Secs. 35 and 36 on the South Boundary of the Township, which is a Granite 12 X 8 X 8 ins.

I run

North bet. Secs. 35 & 36.

Var. 16° 30' E.

40.00 Set a charred Post 3 ft. long 3 ins. square, 12 ins in the ground for 1/4 Sec. Cor, marked 1/4 S on W face, dug pits 18 X 18 X 12 ins. N and S. of Post 5 1/2 ft. distant, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around post.

70.00 Enter Meadow valley Cr. N. E & S. W.

Subdivisions Tp. 13 S. R. 18 W

leave brush

80.00 Set a Quarter 14 x 8 x 8 ins., 10 ins. in the ground for cor. to Secs. 25. 26. 35 and 36. marked with 1 notch on S. and E. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. distant, and raised a mound of earth 2 ft. high, 4½ ft. base along side.

Land Brush and level.

Soil 1st rate

No Timber

Dense Sage brush on 70. chs.

East on a random line bet. Secs. 25 and 36.

Var. 16° 30' E.

8.00 Leave Meadow and enter brush bro N. E. and S. W.

Salt Lake Meridian

40.00	Set temp. 1/4 Sec. Cor.
62.00	Enter Bench No. 8
75.00	wash drains N.W. leave bench.
80.00	Intersect the E. Boundary of Tp. 20 lks. N. of Cor. to Secs. 25 and 36. viz: Trachyte 15x12x10 ins. with stone, round.
	Thence I run S. 89° 52' W. on a true line bet. Secs. 25 & 36 with same var.
40.00	Set a Quartzite 12x10x10 ins. 8 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N face, dug pits 18x18x12 E & W. of cor. 5 1/2 ft. distant, and raised a mound of earth 1 1/2 ft. high, 3 1/2 ft. base along side
80.00	The cor. to Secs 25, 26. 35 and 36.
	Land valley on 62 chs.

Subdivision Tp. 13 S. R 18 W.

Balance Bench
Soil 1st and 2nd rate
No Timber
Dense sage brush on 72 chs

North bet. Secs. 25 and 26
Var 16°30' E.

40.00 Set Quartz. 12 x 10 x 10 ins. 8 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 on W. side, dug pits 18 x 18 x 12 ins. N & S of stone 5 1/2 ft. distant and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side

45.00 Road to Cherry Creek N. E & S. W.

80.00 Set a Quartzite 14 x 8 x 8. ins. 9 ins. in the ground for Cor. to Secs. 25 and 26. marked with

2 notches on the S. and 1 on the E. edges dug pits 18 x 18 x 12 ins. in each Sec. 5½ ft. distant, and raised a mound of earth 2 ft. high 4½ ft. base along side

Land Meadow valley.

Soil Pt rate.

No Timber

East on a random line bet. Secs. 24 and 25

Var. 16° 30' E.

16.00	Enter Salt Lake bro. S. about 20 chs. and N. Westerly about 20. chs. 10 chs. wide in centre.
21.00	Leave Lake
24.00	Cherry brush road N.W. & S.E.
40.00	Set temp. 1/4 Sec. Cor.
50.00	Leave Meadow valley Enter Bench
80.00	Intersect Tp. line 10 chs.

Subdivisions Tp. 13 S. R 18 W.

S of cor. to Secs. 24 and 25, viz:
A Brachyte 16×10×10 ins. with stone mound.
Thence I run

S. 89°56' W on true line bet.
Secs. 24 and 25

with same var.

40.00 Set Quartzite 12×10×8 ins. 8 ins.
in the ground for 1/4 Sec. Cor.
marked 1/4 on N. side, dug pits
18×18×12 E & W of stone
5½ ft. distant, and raised a
mound of earth 1½ ft. high
3½ ft. base alongside

80.00 The cor. to Secs. 23. 24. 25 & 26
Land valley and Bench
Soil 1st and 2nd rate
No Timber

North bet. Secs. 23 & 24
Var. 16°30' E.

Salt Lake Meridian

3.00	Slough 50 lks. wide brs. N. E. 2 chs. heads S. W.
30.00	Leave meadow valley Fence brs E & W. & enter field
40.00	Set a Quartzite 14 x 8 x 6 ins 9 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. side, dug pits 18 x 18 x 12 N. & S. of cor. 5 1/2 ft. distant raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side.
51.70	Irrigation Ditch drus E
55.00	Henriods house brs. N. 17° W 20 chs. distant, Stable brs N. 26° W. 19 chs. dist.
75.00	Leave filed; fence brs E & W. and Enter brush
80.00	Set a quartzite 20 x 12 x 10, 13 ins in the ground for cor. to Secs. 13. 14. 23 & 24

Subdivisions Tp. 13 S. R 18 W

	marked 3 notches on the S	40.00
	and on the E. edges, dug	62.29
	pits 18 X 18 X 12, in each	
	Sec. 5½ ft. distant, and	
	raised a mound of earth	79.70
	2 ft. high 4½ ft. base	
	along side	
	Land field & meadow valley	
	Soil 1st rate.	
	No Timber	
	Dense sage brush on 5 Chs.	
		39.80
	East on a random line	
	bet. Secs. 13 & 24	
	Var. 16° 30' E.	
21.50	Road N & S. 50 lks. S. to	
	junction with main road	
23.50	Main road brs. S. W. & N. E.	
27.00	" " " N & S.	
35.00	Enter Meadow valley & leave brush.	79.70

Salt Lake Meridian

40.00	Set temp. 1/4 Sec. Cor.
62.29	Main Road brs. N.E & S.W. Leave meadow brs. N.W. & S.E. and Enter brush.
79.70	Intersect the E. Bd. of Tp. 8 lks. S. of cor. to Secs. 13 & 24, Viz: A Trachyte 18 x 12 x 6 ins with mound and pits. Thence I run S. 89° 57' W. on a true line bet. Secs. 13 & 24 with same var.
39.85	Set a Quartzite 15 x 15 x 10 ins 10 ins in the ground for 1/4 Sec. cor. marked 1/4 on N. side, dug pits 18 x 18 x 12, E & W of cor. 5 1/2 ft. distant raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side
79.70	The cor. to Secs. 13. 14. 23 & 24

Land level.
soil 1st rate No Timber

Subdivisions Tp. 13 S. R. 18 W

North bet. 13 & 14

Var. 16°30' E.

18.00	Wash drns. S. W.
32.50	" " S. E.
36.50	" " " "
40.00	Set a quartzite 14x12x8 ins 9 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W face, dug pits 18x18x12 ins N & S. of cor. 5½ ft. distant raised a mound of earth 1½ ft. high 3½ ft. base along side.
80.00	Set a quartzite 17x13x8 ins 12 ins in the ground for cor. to Secs. 11, 12, 13 & 14 marked 4 notches on S. and 1 on E. edges, dug pits 18x18x12 ins. in each Sec. 5½ ft. dist. raised a mound of earth

Salt Lake Meridian

2 ft. high 4½ ft. base along side.
Land broken Bench
Soil 2nd rate, rocky
No Timber
Dense undergrowth on 80. chs.

East on a random line bet. Secs. 12 & 13
Var. 16°30' E.

40.00 Set temp. ¼ Sec. cor.
80.10 Int. E. Bd. of Tp. line
8 lks. N. of cor. to secs. 12 & 13 viz:
A limestone 15×15×8 ins. with mound & pits
Thence I run
N 89°57' W. on a true line bet. Secs. 12 & 13
Var. 16°30' E.

40.05 Set a Quartzite 14×12×8 ins 9 ins. in the ground, for

Subdivisions Tp. 13 S. R. 18 W.

	1/4 Sec. Cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E & W. of cor. 5 1/2 ft. distant raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side.
80.10	The cor. to Secs. 11. 12. 13 & 14. Land rocky broken Bench Soil 3rd rate No Timber Dense Sage brush on 80.10 chs.
	North bet. 11 & 12 Var. 16° 38' E.
	Descending to
35.00	Wash drs S. E
40.00	Set a quartzite 20 x 15 x 12 ins. 14 ins in the ground for 1/4 Sec. Cor. marked 1/4 on the W. side, dug pits

80.00

Salt Lake Meridian

18 X 18 X 12 ins. N & S. of cor.
5½ ft. distant.
raised a mound of earth
1½ ft. high 3½ ft. base
along side.

80.00 Set a Quartzite 18 X 12 X 8. ins
12 ins. in the ground for
cor. to Secs. 1. 2. 11 & 12.
marked with 5 notches on the
S. and 1 on the E. edge.
~~dug~~ pits 18 X 18 X 12 ins
in each Sec. 5½ ft. distant
raised a mound of earth
2 ft. high 4½ ft. base
along side
Land Bench very rocky
Soil 3rd rate
No Timber
Dense undergrowth on
80.00 chs.

Subdivisions Tp. 13 S. R. 18 W

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

10.00 Wash drns. S. E.
40.00 Set temp. 1/4 Sec. cor.
42.00 Wash drns. S. E.
73.50 — — — —
80.15 Int. E. Bd. of Tp. 6 lks. N.
of cor. to Secs 1 & 12. Viz. a Post
with Mound and Pits
Thence I run
N 89° 57' W. on a true line
bet. Secs. 1 & 12
with same var.
40.07 Set a Quartzite 12 x 12 x 6 ins.
8 ins. in the ground for 1/4
Sec. cor. marked 1/4 on N.
side dug pits 18 x 18 x 12 ins.
E and W. of cor. 5 1/2 ft.
distant and raised a mound
of earth 1 1/2 ft. high 3 1/2 ft. base

of the Salt Lake Meridian

along side.

80.15 The cor. to Secs. 1. 2. 11 & 12

Land Brush

Soil 2nd rate

No Timber

Dense undergrowth on 80.15 chs.

North on a random line

bet. Secs. 1 & 2

Var. 16° 30' E.

10.25 Wash drus. S.E.

40.00 Set temp. 1/4 Sec. cor.

73.00 Wash drus. S.E.

80.00 Set the N.B. of the T/p.

at cor. to Secs. 1 & 2. Viz

Quartzite 20 x 16 x 7 with stone mound

Thence I run

South on a true line

bet. Secs. 1 & 2

with same var.

Subdivisions T. 13 S. R. 18 W

4.00 Set a quartzite 36x20x20, ins 24 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on W side, stag pits 18x18x12 ins N & S. of cor. 5 1/2 ft. dist. raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base along side

8.00 The cor. to Secs. 1, 2, 11 & 12 Land high Beach, Soil 3rd rate No Timber Dense undergrowth on 80 chs.

March 22 1882

March 23rd 1882

North bet. Secs. 34 & 35 Var. 16° 30' E.

5.00 Segue meadow N & S.

4.00 Set quartzite 12x10x6. 8 ins in the ground for 1/4 Sec. Cor. marked 1/4 on W side

9.00

7.00

8.00

of the Salt Lake Meridian

dug pits 18 x 18 x 12 ins.
N & S. of cor. 5½ ft. dist. raised
a mound of earth 1½ ft. high
3½ ft. base along side.
69.00 Enter Willows
74.00 Leave " " Enter Meadow
and leave Sage brush.
80.00 Set a Quartzite 17 x 14 x 12,
12 ins. in the ground for
cor. to Secs. 26. 27. 34 & 35
marked with 1 notch on S.
and 2 on E. edges, dug pits
18 x 18 x 12 ins. in each sec
5½ ft. dist. raised a mound
of earth 2 ft. high 4½ ft.
base along side
Land level
Soil 1st rate
No Timber
Dense Undergrowth on 6 g. chs.

Subdivisions Tp. 13 S. R 18 of the

40		East on a random line bet. Secs. 26 & 35	
		Var 16° 30' E.	
	40.00	Set temp. 1/4 Sec. cor.	
	80.20	Int. N & S. line at cor. to Secs. 26.27.34 & 35	33.00
		Thence I run	40.00
		West on a true line bet.	
80.		Secs. 26 & 35	
	40.10	Set a Quartzite 17 x 12 x 8 ins 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. side, dug pits 18 x 18 x 12 East and West of cor. 5 1/2 ft. dist and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.	80.00
4	80.20	The cor. to Secs. 26.27.34 & 35	
		Level Meadow	
		Soil 1st rate	

of the Salt Lake Meridian

No Timber

North bet. Secs. 26 & 27
Var. 16° 30' E.

33.00 Road N. E & S. W.

40.00 Set Quartzite 14 X 10 X 8.
9 ins. in the ground,
for 1/4 Sec. Cor. marked
1/4 on W side, dug pits
18 X 18 X 12 ins. E & N. of
cor. 5 1/2 ft. dist. raised
a mound of earth 1 1/2 ft
high 3 1/2 ft. base along side.

80.00 Set Quartzite 12 X 10 X 10 ins
8 ins. in the ground for
cor to Secs. 22. 23. 26 & 27
marked with 2 notches on
the Sand 2 on the E. edges
dug pits 18 X 18 X 12 ins.

Su Subdivisions Tp. 13 S. R. 18 W.

40.0		in each Sec. 5½ ft. distant and raised a mound of earth 2 ft high 4½ ft. base alongside.
		Land level meadow
		Soil 1st rate
		No Timber.
80.0		East on a random line bet. Secs. 23 & 26
		Var 16° 30' E.
	29.00	Leave meadow, Enter brush
	40.00	set temp ¼ Sec. Cor.
	60.00	Enter meadow Leave brush
	62.00	S. side of Lake brs. N. 5 chs.
	72.00	Leave same.
5.00 40.00	80.10	Intersect N. & S. line 15 lks N. of cor. to Secs. 23. 24. 25 & 26.

of the Salt Lake Meridian

from which I run
N. 89°54' W. on a true
line bet. Secs. 23 & 26.
40.05 set a Quartzite 12 x 8 x 8 ins.
8 ins. in the ground, for
1/4 Sec. Cor. marked 1/4 on
the N. side, dug pits 18 x 18 x
12 ins. E. and W. of cor.
5 1/2 ft. dist. raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base alongside.
80.10 The cor. to Secs. 22. 23
26 & 27.
Land level
Soil 1st rate
No Timber
Dense undergrowth on 31 chs.

Subdivisions Tp. 13 S. R. 18 W.

	North bet. Secs. 22 & 23
	Var. 16° 30' E.
2.00	Leave Meadow bro. S.W. & E.
	Enter Willows & brush
10.00	Leave "
18.00	Road N.E. & S.W.
33.50	Ditch N.E. & S.W.
48.00	set Granite 12 x 10 x 8 ins. 8 ins. in the ground, marked 1/4 on W. side dug pits 18 x 18 x 12 ins. N & S. of cor. 5 1/2 ft. dist. raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
80.00	Set Quartzite 12 x 10 x 10 ins. 8 ins. in the ground, for cor. to Secs. 14, 15, 22 and 23, marked with 3 notches on the S and 2 on the E edges, dug pits

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of the Salt Lake Meridian

18 x 18 x 12 ins. in each
Sec. 5½ ft. distant.
raised a mound Earth
2 ft. high 4½ ft. base
alongside.

Land Meadow & Bench
Soil 1st and 2nd rate —
Dense Sage brush and
Willows on 78. chs.
No Timber.

East on a random line
bet. Secs. 14 & 23
Var 16° 30' E.

40.00 Set temp. 1/4 Sec. Cor.
65.00 Trout Creek 15 lks. wide
8 ins. deep run. S. E.
73.00 Wash drns. S. W.
80.06 Intersect N & S line

Subdivisions Tp. 13 S. R 18 W

	5 lks. N. of cor to Secs. 13. 14. 23 & 24.
	from which I run N 89°58' W on True line bet. Secs. 14 and 23
40.03	Set a Quartzite 20 x 20 x 10 ins. 15 ins. in the ground for 1/4 sec. cor. Marked 1/4 on N. side adjg pits 18 x 18 x 12 ins. E & W. of cor. raised a mound of earth 1½ ft. high 3½ ft. base along side
80.06	The cor to Secs 14. 15. 22 & 23. Land Broken Soil 3rd rate No Timber
	Dense undergrowth on 80.06.

of the S. L. M.

North bet. Secs. 14 & 15
Var. 16° 30' E.

40.00 Set a Quartzite 15 X 12 X 9
10 ins. in ground for 1/4
Sec. cor. marked 1/4 on
W. side and raised a
mound of stone alongside
58.00 Wash S. E.
72.10 " drus. S. E.
80.00 Set a Quartzite 23 X 15 X 10
18 ins in the ground for
cor. to Secs. 10, 11, 14 & 15
marked with 4 notches on
the S. and 2 on the E. edges
raised a mound of stone
alongside.
Land Bench
Soil 3rd rate rocky.
No Timber
Dense undergrowth on 80. chs.

Subdivisions Tp. 13 S. R. 18 W.

40.		East on a random line bet. Secs. 11 & 14
		Var. 16° 30' E.
	16.50	Wash S. E.
	30.50	Trout Creek 10 lks. wide 10 in deep runs S. E.
	40.00	Set temp. 1/4 Sec. cor.
	55.00	Bench bra. N & S.
80.		Descend to
	80.00	Intersect N & S. line at cor. to Secs. 11. 12. 13 & 14
		from which I run
		West on a true line bet. Secs. 11 & 14
	40.00	Set Quartzite 5 x 10 x 6 ins 10 ins. in the ground, for 1/4 Sec. cor. marked 1/4
4		on N. side, raised a mound of stone alongside
	80.00	The cor. to Secs. 10 11 14 & 15

25.

40.

80.

of the Salt Lake Meridian

Land Bench
Soil 3rd rate
No Timber
Dense undergrowth on 80. chs

North bet. Secs. 10 & 11
Var. 16° 30' E.

25.00 Trout Creek 20. lks. wide 6 ins. deep runs S. E.

40.00 Set Quartzite 23 x 17 x 6. 18 ins in the ground for 1/4 Sec. cor. marked 1/4 on N. side raised a mound of stone along side.

80.00 Set a Quartzite 18 x 15 x 10 12 ins in the ground for cor to Secs. 2. 3. 10 & 11

Subdivisions Tp. 13 S. R 18 W.

40. marked with 5 notches on the S. and 2 on the E. Edges and raised a mound of stone alongside.

Land high Bench
Soil 3rd rate
No Timber

Dense undergrowth on 80 ds.

80.

East on a random line bet. Secs. 2 & 11

Var. 16°30' E.

11.50 Wash drus. S. E.
20.00 " " " "
37.00 " " " "
40.00 Set temp. 1/4 Sec. cor.
47.00 Wash drus. S. E

74.
80.
40
80.0

W. of the Salt Lake Meridian

74.00	Wash drus. S.E.
80.00	Intersect N & S. line at cor. to Secs. 1. 2. 11 & 12 from which I run West on a true line bet. Secs. 2 & 11
40.00	Set a Quartzite 20 x 12 x 12. 15 ins in the ground for 1/4 Sec. cor. marked 1/4 on N. side, raised a mound of stone alongside
80.00	The cor. to Secs. 2. 3. 10 & 11

Land high Bench
Soil 3rd rate rocky
No Timber
Dense undergrowth on 80 chs.

Subdivisions Tp. 13 S. R 18 W.

	North on a random line bet. Secs. 2 & 3. Var 16° 30' E
10.00	Gulch drys S. E.
19.57	" " " "
40.00	Set temp 1/4 Sec. cor.
40.50	Wash dries S. E.
79.00	" " " "
80.09	Int. N. Bd. of Tp. 35 lks. E. of cor. to Secs. 2 & 3 from which S. 15' E. on true line bet. Secs. 2 & 3,
41.09	Set a Quartzite 25 x 25 x 6 ins. 20 ins in the ground for 1/4 Sec. cor. marked 1/4 on W. face and raised a stone mound alongside
80.09	The cor. to Secs. 2. 3. 10 & 11 Land high Bench

of the S. L. M.

Soil 3rd rate rocky
No Timber
Dense undergrowth on 80.09 chs.
March 23d 1882

March 24, 1882
From the cor. to Secs. 33 & 34
on the S. Bd. of the Tp.
viz: Quartzite 19 x 13 x 12.
with pits and mound
North bet. Secs. 33 & 34
Var 16°30' E.

15.00 Road to Salt Marsh bns E & W.
40.00 Set Quartzite 10 x 10 x 10. ins
6 ins in the ground for
1/4 Sec. cor. marked 1/4 on
W. side, dug pits 18 x 18 x 12
ins. N & S. of Stone 5 1/2 ft.
distant, raised a mound

Subdivisions Tp. 13 S. R 18 W.

4	of earth 1½ ft. high 3½ ft base alongside	40
71.00	Cherry Creek road brs. E & W.	56
80.00	Set a Quartzite 15"x12x8. 10 ins in the ground for cor. to Secs. 27. 28. 33 & 34. marked with 1 notch on the S. and 3 on E edges,	80
8	and raised a mound of earth 2 ft. high 4½ ft. base alongside	40
	Land Bench	
	Soil 3rd rate	
	No Timber.	
	Dense undergrowth on 80 ds.	
4		80
	East on a random line bet. Secs 27 & 34	

Salt Lake Meridian

Var 16°30' E.

40.00	Set temp 1/4 Sec. cor.
56.40	Road bears N. E & S. W.
80.20	Intersect the N & S. line
	10 lks. north of cor. to
	Secs. 26. 27. 34 & 35
	from which
	N 89°56' W on a true
	line bet. Secs. 27 & 34
40.10	Quartzite 16 x 15 x 15
	10 ins. ~~deep~~ ground for
	1/4 Sec. cor. marked 1/4
	on N. side dug pits
	E & W of cor. 8 1/2 ft. dist.
	raised a mound of earth
	1 1/2 ft. high 3 1/2 ft. base
	alongside.
80.20	The cor. to Secs. 27, 28,
	33 & 34
	Land level

Subdivisions Tp. 13 S. R 18 W

Soil 2nd rate
No Timber
Undergrowth on 80. 20 chs.

North bet. Secs. 27 & 28
Var. 16° 30' E.

0.30 Road bears N. E & W.
40.00 Set Quartzite 12 x 10 x 10, ins.
8 ins. in ground, for 1/4 Sec. cor.
marked 1/4 on W. side, ~~along~~
Jts 18 x 18 x 12 ins N & S of cor.
5 1/2 ft. dist. raised a mound
of Earth 1 1/2 ft. high 3 1/2 ft
base along side
80.00 Set Quartzite 15 x 10 x 10 ins.
10 ins. in the ground for
cor. to Secs. 21, 22, 27 & 28

16.
40.
66.
70.

of the S. L. M.

marked 2 notches on S and 3 on E. edges, and raised a mound 7 above along side

Land level

Soil 2nd rate

No Timber

Dense undergrowth on 80 chs.

East on a random line bet. Secs. 22 & 27

Var 16° 30' E

16.00	Wash dry. South
40.00	Set temp. 1/4 Sec. cor.
66.50	Main road bears N. E. & S. W.
70.00	Cabin bears S. 11½° W. about 20. chs. distant

Subdivisions Th. 13 S R 18 W.

75.00	Leave Brush. Enter Meadow lns. N & S.
80.00	Intersect N & S. line at cor to Secs. 22. 23. 26 & 27. from which West on a true line bet Secs. 22 & 27
40.00	Set Quartzite 12 x 12 x 10, 8 in in ground for 1/4 Sec. Cor. marked 1/4 on N. side dug pits E & W. of cor. 5½ ft. dist. raised mound of earth 1½ ft. high 3½ ft base alongside
80.00	The cor. to Secs. 21. 22. 27 & 28

Land level

Soil 1st & 2nd rate

Brush undergrowth on 75 chs.

No Timber

of the Salt Lake Meridian

North bet. Secs. 21 & 22
Var. 16° 30' E.

20.00 Wash drus. S. E.

30.00 Old Red of Birch Creek drus. S. E.

35.50 Wash drus. S. E.

40.00 Set a Quartzite 20 x 12 x 12 15 ins. in ground for 1/4 Sec. cor. marked 1/4 on W. side and raised a mound of stone alongside

44.50 Wash S. E.

80.00 Set Quartzite 12 x 12 x 10 ins & 4 in. in the ground ~~marked~~ for cor. to Secs. 15, 16, 21 & 22. marked 4 notches on the S. and 3 on E. edges and raised a mound of stone alongside
Land Bluff

Subdivisions Tp. 13 S. R 18 W

Soil 2nd rate
No Timber
Dense undergrowth on 80. chs.

East on random line bet
Secs. 15 & 22
Var 16° 30' E.
40.00 Set temp. 1/4 Sec. cor.
45.00 Wash drns. S. E.
79.95 Intersect N. & S. line. 7 lks.
N. of cor. to Secs. 14. 15. 22 &
23
From which
N. 89° 57' W. on true
line bet. Secs. 15 & 22.
39.97 Set Quartzite 15 x 12 x 10 ins
10 ins in the ground

for 1/4 Sec. cor, marked
1/4 on N. side raised a
mound of stone along side.
79.95 The cor. to Secs 15. 16
21 and 22
Land Bench sloping East
Soil 2nd rate
No Timber
Dense undergrowth on 79.95 ch.

North bet. Secs. 15 & 16
Var 16°30' E.
29.20 Wash drns. S. E.
40.00 Set Quartzite 25 x 15 x 15
20 ins. in the ground, for
1/4 Sec. cor. marked 1/4
on W. side and raised

a mound of stone alongside
70.50 Wash drum S. E
80.00 Set a Quartzite 16x10x5 ins.
11 ins. in ground, for cor.
to Secs. 9, 10, 15 & 16
marked with + notches on S.
and 3 on E. edges, and raised
a mound of stone alongside
Land Bench sloping E.
Soil 2nd rate rocky
No Timber
Dense under growth on 80 chs.

East on random line bet
Secs. 10 & 15
Var. 16° 30' E.
10.00 Wash drum S. E

of the S. L. M.

40.00	Set temp. 1/4 Sec. cor.
79.94	Dist. N. & S. line at cor.
	to Secs. 10. 11. 14 & 15
	from which ?
	West on a true line
	bet. Secs. 10 & 15
39.97	Set Quartzite 20 x 12 x 10.
	15 ins in ground, for ~~1/4~~ 1/4
	Sec. cor. marked 1/4 on
	N. side, and raised a mound
	of stone along side.
79.94	The cor. to Secs. 9. 10. 15 & 16.
	Land high Bench.
	sloping E. &
	Soil 3rd rate rocky
	No Timber
	Dense undergrowth on 79.94 chs.

Subdivisions Tp. 13 S. R. 18 W

North bet. Secs. 9 & 10
Var 16° 30' E

14.50 Gulch drns. S. E.
39.50 " " " "
40.00 Set Quartzite 25 x 20 x 5, 18 ins in ground, for 1/4 Sec. cor. marked 1/4 on N. side raised a mound of stone alongside.
73.50 Gulch drns S. E.
77.50 " " " "
80.00 Set Quartzite 22 x 12 x 6, 18 ins in the ground. for cor. to Secs. 3. 4. 9 & 10, marked 5 notches on the S. and 3 on the E. edges, raised a mound of stone alongside
Land high Bench Sloping S.E.
Soil good water rocky
No Timber

of the S. L. M.

Druse undergrowth on 80. chs.

East on random line
bet. Secs. 3 & 10
Var 16° 30' E

7.00 Birch Creek 10 lks. wide
8 lns. deep runs S. E.
38.50 Gulch drns. S. E.
40.00 Set temp. 1/4 Sec. cor.
53.50 Trout creek 20 lks. wide
5 lns. deep runs S. E.
57.80 Wash drns S. E.
72.80 — — — —
80.10 Int. N & S. line at cor
to Secs. 2. 3. 10 & 11
from which
West on a true line

Subdivisions Tp. 13 S. R 18 W

	bet Secs. 3 & 10
40.00	Set Quartzite 25 x 25 x 6,
	18. ins in the ground, for 1/4 sec. cor
	marked 1/4 on N. side
	raised a mound of stone
	along side
80.00	The cor. to Secs. 3. 4. 9 & 10
	Land high bench sloping S.E.
	Soil 3rd rate rocky
	No Timber
	Dense undergrowth on 80 chs

	North on a random line
	bet. Secs. 3 & 4
	Var 16° 30' E.
2.50	Birch Creek 8 lks,
	wide 4 ins deep drus E,
3.00	Branch of Birch Creek

of the S. L. M.

	drus E.
6.00	Gulch drus S. E.
	Enter Mtns. Leave brush
12.00	Gulch drus. S. E.
35.00	" " " "
36.00	" " " "
40.00	Set Temp. 1/4 Sec. Cor.
43.70	Gulch drus. S. E.
56.50	" " " "
61.00	" " " "
65.50	" " " "
68.00	Main " " " "
80.20	Int N. B. of Tp. 15 lks E. of cor. Sec. 3, 4, 33 & 34
	from which ?
	S. 6° E. on true line
	bet Secs. 3 & 4
40.20	Set Quartzite 12 x 10 x 8 ins 8 ins. in ground for 1/4

Subdivisions Tp. 13 S. R 18 W

Sec. cor. marked 1/4 on W. side raised a mound of stone alongside.

80.20 The cor. to Secs. 3 4. 9 & 10. 55.

Land Mountainous on 74.20. chs. 80.

Soil 3rd rate rocky

No Timber

March 24th 1882

March 25 1882

From the cor. to Secs. 4. 5. 32 & 33 on the S.B. of the Tp. viz: Lime stone 20x20x20 with stone mound. North bet. Secs. 32 & 33

Var. 16° 30' E.

40.00 Set Quartzite 20 x 20 x 7. 15 ins. in ground. for 1/4

Sec. Cor. marked 1/4
on W. side with mound
of stone along side.
55.30 Road S. W. and N. E.
80.00 Set Burnt Sand Stone
15 x 12 x 6, 10 ins. in the
ground for cor. to Secs.
2 8. 29, 32 & 33, marked
1 notch on S and 4 on E. edge
raised a mound of stone along-
side.
Land Beech,
Soil 2nd Rate
No Timber
Dense undergrowth on 80 chs.

East on sandrow line
bet. Secs. 28 & 33

Subdivisions Tp. 13 S. R 18 W.

Var. 16° 30' E.

10.00	Gulch drns. S. W.
40.00	Set temp 1/4 Sec. cor. Leave Bench brs. N.E. & S.W.
60.00	Road brs. N.E. & S.W.
80.00	Intersect N. & S. line at cor. to Secs. 27. 28. 33 & 34
	from which
	West on true line.
	bet. Secs. 28 & 33
40.00	Set Quartzite 15 x 12 x 5 ins 10 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N side, raised a mound of stone alongside.
80.00	The cor to Secs. 28. 29. 32 & 33.

Land Broken

Soil 2nd rate

No Timber

Dense undergrowth on 80. chs.

North bet. Secs. 28 & 29
Var 16° 30' E.

0.50 Wash drain S. E.
4.70 " " " "
8.70 " " " "
14.50 " " " "
37.00 " " " "
40.00 Set Quartzite 15 x 10 x 10, 18 ins in ground for 1/4 Sec. cor. marked 1/4 on W side, dug pits 18 x 18 x 12 ins. N & S. of cor. [illegible] 5½ ft. distant raised a mound of earth 1½ ft. high 5½ ft. base

Subdivisions Tp. 13 S. R 18 W.

	along side	10.00
80.00	Set Quartzite 36x20x10	20.0
	25 ins. in ground for cor	27.20
	to Secs. 20. 21. 28 & 29	40.00
	marked 2 notches on	80.20
	S. and 4 on E. edges	
	and raised a mound of	
	stone alongside.	
	Land Bench Sloping S. E.	
	Soil 3rd rate	
	No Timber	40.10
	Dense undergrowth	
	on 80. chs.	
		80.2
	East on a random line	
	bet. Secs. 21 & 28	
	Var 16° 30' E.	
6.00	Wash drns. S. E	

of the S. L. M.

10.00 Washdown S.E.
20.00 " " " "
27.20 " " " "
40.00 Set temp 1/4 Sec. Cor
80.20 Int. N & S. line 15
links S. of cor to Secs.
21, 22, 27 & 28
from which
S. 89° 54' W.
on true line bet. Secs. 21 & 28
40.10 Set Quartzite 18 x 10 x 9.
14 ins. in ground, for
1/4 Sec. Cor. marked 1/4
on N. side raised mound
of stone along side
80.20 The cor to Secs. 20, 21,
28 & 29.
Land Bench sloping S.E.
Soil 3rd rate
No Timber

Subdivisions Tp. 13 S R. 18 W.

Dense Brush on 80.20 chs.

North bet. Secs. 20 & 21
Var 16°30' E.

9.00 Gulch drns. S.E.
Enter Mtns. lead brush.
22.00 Gulch drns. S.E.
40.00 Set Quartzite 26 x 15 x 10
20 ins. in ground for
1/4 Sec. cor. marked 1/4 on
W face raised a mound
of stone along side.
46.00 Gulch drns. S.E.
80.00 Set Quartzite 45 x 12 x 6
30 ins. in ground, for cor
to Secs. 16. 17. 20 & 21
marked 3 notches on E

5.0
20.0
25.0
38.0
40.0
45.0
45.0
77.0
80.1

and 4 on E. edge so, raised
a mound of stone alongside.
Land Mountainous 7 1/2 chs.
Soil 3rd rate rocky
No Timber

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

5.00	Gulch chains S.E.
20.00	Gulch drns S.E.
25.50	" " " "
38.00	" " " "
40.00	Set temp. 1/4 Sec. Cor.
~~40.50~~	Wash drns S.E.
45.00	" " " " and
	Leave Mountains - Cinterbush.
77.50	Wash drns S.E.
80.14	Intersect N & S. line

Subdivisions Tp. 13 S. R. 18 W.

25 lks. N. of cor. to Secs.
15, 16, 21 & 22.
From which
N. 89°49' W. on true
line bet. Secs. 16 & 21
40.07 Set Quartzite 18 x 12 x 5, ins
12 ins in the ground for
1/4 Sec. cor. marked 1/4 on
N. side, raised a mound of
stone alongside
80.14 The cor. to Secs. 16, 17,
20 & 21,
Land E. part Beech
N. part Mountainous.
Soil 3rd rate
No Timber
Mountainous on 45.14 chs.

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North lat. Secs. 16 & 17
Var. 16° 30' E.

8.00 Gulch drns. S. E.
25.00 " " " "
30.00 " " " "
40.00 Set quartzite 40 x 12 x 10.
30 ins in ground for 1/4
Sec. Cor. marked 1/4 on
W side, raised a stone
mound alongside
42.50 Gulch drns. S. E.
47.50 " " " "
57.50 " " " "
72.00 " " " "
80.00 Set Quartzite 18 x 16 x 10,
12 ins. in ground, for cor.
to Secs. 8, 9, 16 & 17, marked
4 notches on S and E. edges
and raised a mound of
stone alongside.
Land Mountainous on 80. chs

Subdivisions T. 13 S. R. 18 W.

Soil 3rd rate
No Timber

East on random line
bet. Secs. 9 & 16
Var. 16° 30' E.

40.00	Gulch dry, S. E.
40.00	Set temp. 1/4 Sec. Cor.
45.50	Gulch dry, S. E.
70.00	" " " Enterbush
80.00	Int. N & S. line, 7 lks. N of cor. to Secs. 9, 10, 15 & 16.
	From which
	N. 89° 57' W on true line bet. Secs. 9 & 16
40.00	Set Quartzite 18x18x6, 12 in. in ground, for 1/4 Sec. cor. marked 1/4

of C

80.0

15.0

40.00

80.0

on N. side, raised a
mound of stone along side
80.00 The cor to Secs. 8.9.16 & 17.
Land Mtns.
Soil 3rd rate
No Timber

North Lat. Secs. 8 & 9
Var 16° 30' E.
15.00 Gulch drns. S.E. and
ascend.
40.00 Set Quartzite 16 X 15 X 8
18 ins in ground, for
1/4 Sec. Cor marked
1/4 on W side raised a
mound of stone along side
80.00 Set Quartzite 16 X 12 X 18

Subdivisions Tp. 13 S. R 18 W.

10 ins. in ground for Cor. to Secs. 4. 5. 8 & 9 marked 5 notches on S. and 4 on E. edges with mound of stone alongside
Land Mountainous
Soil 3rd rate rocky
No Timber.

East on random line bet. Secs. 4 & 9.
Var. 16°30' E.

Descend

20.00 East foot of Main Mountains N & S.
28.00 Old Bed of Birch Creek drns. S.
40.00 Set temp. 1/4 Sec. Cor.
70.00 Gulch drns. S.

80.00 Out N & S. Line at Cor.
to Secs. 3. 4. 9 & 10.
from which
West on true line bet Secs.
4 & 9.

40.00 Set Quartzite 12 x 12 x 10
9 ins. in ground for 1/4 Sec. cor
marked 1/4 on N. side, raised
a mound of stone alongside

80.00 The cor. to Secs 4. 5. 8 & 9.
Land Mountainous
Soil 3rd rate rocky
No Timber

North on a Random
line bet. Secs. 4 & 5
Var. 16 3/4 E

15.00 Ridge Dr. S. E.

Subdivisions Tp. 13 S. R. 18 W.

30.00	Birch Creek 12 lks. wide 5 in deep runs S.E. ascend
40.00	Set temp 1/4 Sec. Cor.
60.00	Top of North side of Gulch ascent S. slope of Main Mountains.
80.25	Intersect N.B. of Tp. 35 lks. W. of cor. to Secs. 4 & 5 32 & 33 Viz. a Quartzite 2 3 x 17 x 12 in. with stone mound from which
	S. 15 W. true line set Secs. 4 & 5
40.25	Set Quartzite 20 x 17 x 12 10 ins. in ground for 1/4 Sec. cor. marked 1/4 on W. side, on side a mound of stone along side
80.25	The cor. to Secs. 4. 5. 8 & 9 Land Mountainous Soil 3rd rate very rocky

of the S. L. M.

No Timber
March 25 1884

March 27 1884
From the cor. to Secs. 5. 6. 31 & 32 on the S.B. of the Tp.
Witness is a quartzite 40. x 25 x 15 with a mound of stone
North bet. Secs. 31 & 32
Var. 16° 30' E

40.00 Set Quartzite 20 x 17 x 10 ins, 15 ins in the ground for 1/4 Sec. Cor, marked 1/4 on W side, and raised a mound of stone along side

43.00 Road to Sanford's bns. E & W.

80.00 Set Quartzite 30 x 24 x 10 ins 20 ins. in the ground for cor. to Secs. 29. 30. 31 & 32

Subdivisions Tp. 13 S. R. 18 W.

marked 1 north on S and
5 on E. edge and raised
a mound of stone along side.
Land High Bench
Soil 3rd rate rocky
No Timber
Dense undergrowth on 80 chs.

East on random line bet.
Secs. 29 & 32
Var. 16° 30' E.

12.50	Wash dens. S.E.
37.00	" " "
40.00	Set temp. 1/4 Sec. cor.
79.85	Int. N & S. line 18 lks. N. of cor. to Secs. 28. 29. 32 & 33.
	Thence

of the G. L. M.

N. 89° 56' W on true line
bet. Secs. 29 & 32

39.93 Set Quartzite 36 x 20 x 10.
23 ins. in ground, for 1/4
Sec. cor. marked 1/4 on
N. side, raised a mound
of stone along side

79.85 The cor. to Secs. 29, 30, 31 & 32
Land high Bench
Soil 3rd rate rocky
No Timber
Dense undergrowth on 79.85 chs

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

40.00 Set temp 1/4 Sec. cor

Subdivisions Tp. 13 S. R 18 W.

54.00	Wash drns. S. E.
70.00	" " " "
78.00	Road to Sanford's. Crs. N.W. & S.E.
78.74	Int. W. Bd. of Tp. at cor. to Secs. 25. 30. 31 & 36 viz Quartzite 30 x 25 x 16. with stone mound.
	Thence
	East on true line
	bet. Secs. 30 & 31
38.74	Set Burnt Sand 12 x 12 x 10
	8 ins. in the ground, for 1/4 sec. cor marked 1/4 on N side, raised a mound of stone along side
78.74	The cor. to Secs. 29. 30. 31 and 32 vi
	Land high Bench
	Soil 3rd rate, rocky
	No Timber
	Dense undergrowth on 78.74 chs.

of the S. L. M.

North bet. Secs. 29 & 30
Var 16° 30' E.

19.00 Gulch dries S. E.
40.00 Set Quartzite 25 x 18 x 10
20 ins in ground for
1/4 Sec. Cor. marked 1/4 on
W. side, raised a mound
of stone along side.
65.00 Gulch dries S. E.
80.00 Set a Quartzite 18 x 15 x 15 ins
13 ins in the ground for
cor. to Secs. 19, 20, 29 & 30
marked 2 notches on the
S. and 5 on E edges,
raised a mound of stone
along side.
Land high Bench
Soil 3rd rate rocky
No Timber
Dense undergrowth on 80 chs

Subdivisions Tp. 13 S R 18 W.

East on random line
bet Secs. 20 & 29
Var. 16° 30' E.

20.00 Gulch dry, S. E.
40.00 Set temp. 1/4 Sec. cor.
80.15 Int. N & S. line at cor. to
Secs. 20. 21. 28 & 29
Thence
West on true line
bet. Secs. 20 & 29
40.07 Set Quartzite 25 x 15 x 8 ins.
18 ins. in ground for
1/4 Sec. cor. marked 1/4
on N side, raised a
mound of stone alongside
80.15 The cor to. Secs. 19. 20. 29
and 30
Land high Bench
Soil 3rd rate

of the S. L. M.

No Timber
Dense undergrowth on 80.15 ch.

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

10.00 Gulch drain. S. E.
40.00 Set temp 1/4 Sec. cor. leave
brush gap entering mountains.
70.00 Gulch drain. S. E.
78.72 Int. W. Bd. of Tp. 15
Ch. N of cor to Secs. 19
24, 25 & 30 viz. Quartzite 27x16x9
with stone mound.
Thence
N. 89° 57' E. on true line
bet. Secs 19 & 30
38.72 Set Quartzite 16x13x8.
10 ins. in ground for
1/4 Sec. Cor. marked 1/4

Subdivisions Tp. 13 S. R 18 W.

on N. side, raised a mound
of stone along side
78.72 The Cor. to Secs. 19, 20.
29 & 30
Land high Bench
Soil 3rd rate
No Timber.
Dense Brush and mountainous on 78.72 do

North bet. Secs. 19 & 20
Var 16° 30' E.
30.00 Gulch drns. S.E. ascend Mtns,
40.00 Set Quartzite 20 x 13 x 8. 15 ins
in ground, for 1/4 Sec. cor.
marked 1/4 on W. side
raised a mound of stones
along side

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of the C. L. M.

60.00	Ridge brs. S.E. & N.W.
80.00	Quartzite 16x16x10 ins.
	11 ins in the ground for cor. to Secs. 17. 18. 19 & 20.
	marked 3 notches on S and 5 on E. edges. and raised
	a mound of stone alongside
	Land Mountainous and Bench
	Soil 3rd rate rocky
	No Timber
	Mountainous on 5 S. chs

East on a random line
bet. Secs. 17 & 20
Var 16° 30' E.

10.00	Gulch drns. S.E.
25.00	" " " "

Subdivisions Tp. 13. S. R 18 W.

40.00	South point of Ridge
	Set temp 1/4 Sec. cor.
58.00	Gulch drns. S. E.
79.90	Intersect N & S. line 15.
	lks. S. of cor. to Secs. 16. 17.
	20 & 21
	Thence
	S. 89°54' W. on true line
	bet. Secs. 17 & 20.
39.95	Set Quartzite 17 x 15 x 8 ins.
	12 ins. in the ground, for
	1/4 Sec. cor. marked 1/4 on
	N. side and raised a mound of
	stone along side,
79.90	The cor. to Secs. 17. 18. 19 & 20
	Land Mountainous
	Soil 3rd rate
	No Timber

of the G. L. M.

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

5.00 Ascend
18.00 Top of Ridge, brs. S. E. & N. W.
35.00 Gulch drws. S. E.
40.00 Set temp. 1/4 Sec. cor and
ascend.
78.84 Intersect W. Bd. of Tp.
10 lks. S. of cor. to Secs.
13. 18. 19 & 24 viz. Quartzite
20x14x9 with stone mound.
Thence
S. 89° 56' E. on true
line bet. Secs. 18 & 19.
38.84 Set Quartzite 18x10x10 ins.
12 ins. in the ground for
1/4 Sec. cor. marked 1/4 on
N. side, raised a mound of
stone along side
78.84 The cont. Secs 17. 18. 19 & 20.

Subdivisions Tp. 13 S R 18 W.

Land Mountainous
Soil 3rd rate
No Timber

North bet. Secs. 17 & 18
Var. 16° 30' E.

15.00	Gulch dns. S. E.
22.00	Ascend to
40.00	Top of Ridge bra. S. E.
	Set Quartzite 19 x 13 x 7.
	13 ins. in ground for 1/4 Sec.
	Cor. marked 1/4 on W. side
	raised mound of stone
	along side.
50.00	Gulch dns. S. E.
70.00	Ridge bra. S. E. & N. W.
80.00	Set Quartzite 22 x 14 x 11 ins

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of the S. L. M.

16 ins. in ground for cor to Secs. 7. 8. 17 & 18. marked 4 notches on S. and 5 on E edges. and raised a mound of stone along side

Land Mountainous

Soil 3rd rate

No Timber

East on a random line bet. Secs. 8 & 17

Var 16° 30' E.

10.00	Gulch drns. S.E.
30.00	Ridge lrs. S.E. & N.W.
40.00	Set temp. 1/4 Sec. cor.
58.00	Gulch drns. S.E.
62.00	" " " "

Subdivisions Tp. 13 S. R 18 W.

70.00	Gulch dras. S. E.
80.10	Int. N. & S. line 6 lks. N of cor. to Secs. 8. 9. 16 & 17.
	Thence
	N. 89° 57' W on true line bet. Secs 8 & 17
40.05	Set Quartzite 16x14x10, 12 ins ~~deep~~ ground, for 1/4 Sec. cor. marked 1/4 on N. side, raised a mound of stone along side.
80.10	The cor. to Secs. 7. 8. 17 & 18
	Land Mountainous
	Soil 3rd rate
	No Timber

	West on random line bet. Secs. 7 & 18
	Var 16° 30' E.
20.00	West foot of ridge S.E. & N.W

Of the S. L. M.

4000 Set temp. 1/4 Sec. Cor. ascend
78.78 Int. M. Bd. of Mt. 12 lks. S.
of cor to Secs 7, 12, 13 & 18
Set a Quartzite 25 x 15 x 8" with stone mound
Thence
S. 89°55' E on true
line bet. Secs. 7 & 18
38.78 Set Quartzite 15 x 10 x 10 ins
10 ins. in ground, for 1/4
Sec. cor. marked 1/4 on N.
side raised a stone mound
along side.
78.78 The cor. to Secs. 7, 8, 17 & 18
Land Mountainous
Soil 3rd rate
No Timber

A. W.

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Sub-divisions Tp. 13 S R 18 W

North bet. Secs. 7 & 8
Var. 16° 30' E.

9.00 Gulch dras. S. E.
20.00 Ridge bra. S. E. & N. W.
40.00 Set Quartzite 20 x 12 x 10 ins. 15 in. in ground for 1/4 Sec. Cor. marked 1/4 on W. side raised a mound of stone alongside
43.00 Gulch dras. S. E. ascend to
80.00 Set Quartzite 20 x 15 x 10 ins 15 ins in ground for cor to Secs. 5, 6, 7 & 8, marked 5 notches on S and E. edges, raised a mound of stone along side

Land Mountainous
Soil 3rd rate
No Timber

2 of the S. L. M.

East on random line,
bet. Secs. 5 & 8
Var. 16° 30' E.
Descend to
38.00 Gulch drns. S. E.
40.00 Set temp 1/4 Sec. Cor
ascend along S. slope to
79.90 Int. N & S. line, 7 lks.
N of cor. to Secs. 4, 5, 8 & 9
Thence
N. 89° 57' W. on true
line, bet. Secs. 5 & 8
39.95 Set Quartzite 15 X 10 X 9, 10 ins
in the ground for 1/4 Sec. cor.
marked 1/4 on N. side
raised mound of stone along
side for 1/4 Sec. cor.
79.90 The cor. to Secs. 5, 6, 7 & 8
Land Mountainous
Soil 3rd rate

105

Subdivisions Tp. 13 S. R. 18 W.

No Timber

West on a random line
bet. Secs. 6 & 7
Var. 16° 30' E.

Along S. slope

40.00 Set temp. 1/4 Sec. cor.

43.00 Gulch drw. S. E.

65.00 Ridge brs. S. E. and N. W.

78.80 Int. W. Bd. of Tp. 25 lks

N. of cor to Secs. 1, 6, 7 & 12
viz a Quartzite 21 x 11 x 11. with stone mound.

Thence
N. 89° 49' E. on true line
bet. Secs. 6 & 7

38.80 Set Quartzite 19 x 16 x 8.
13 ins. in ground for 1/4
Sec. cor. marked 1/4 on N. side

raised a mound of stone
along side
78.80 The cor. to Secs. 5. 6. 7 & 8
Land Mountainous
Soil 3rd rate rocky
No Timber

North on random line
bet. Secs. 5 & 6.
Var. 16° 30' E.
Along E. edge
40.00 Set temp. 1/4 Sec. cor.
80.28 Int. N. Bd. of Tp. 30 lks.
W. of cor. to Secs. 5. 6. 31 —
and 32, which is a Quartzite
26x16x10, with a stone
mound

Subdivisions Tp. 13 S. R. 18 W.

Thence

S. 13° W. on true line
bet. Secs. 5 & 6.

40.28 Set Quartzite 23 x 16 x 8 ins.
18 ins. in ground for 1/4 Sec. cor.
marked 1/4 on W. side, raised
a mound of stone along
side.

80.28 The cor. to Secs. 5, 6, 7 & 8
Land Mountainous
Soil 3rd rate rocky.
No Timber

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of the S. L. M.

General Description

The lands in the South East portion of this township consist of mostly meadow including the cultivated fields and residence of Henry Henroid, The balance is mountainous & bench lands sloping S E.

No mineral found.

March 27th 1882

T. C. Bailey
U. S. Dep. Sur.

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah August 14th 1882

The foregoing field notes of the survey of the

Township No 13 S. *Range No* 18 W

of the Salt Lake Meridian, Utah Territory,

Executed by T. C. Bailey

Under his *contract No* 107

of the 11th *day of* March 1882,

in the month of March 1882,

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

Geo. Salisbury

U. S. Surveyor General for Utah.

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REPORT: 1883

Filed 188

Examined by .....

Compared by Ed. Michaelis, L. W. Hickok

FIELD NOTES

OF THE Re SURVEY OF THE

Second Standard

Parallel South

OF

Township No. .....

Range No. 14 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert.

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 17th 1882

Survey completed " 17th 1882

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Township 10 S. R. 14 W.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
109	110	111	112	113	114

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	*Chainman.*
Horace D. Emerson	*Chainman.*
	Chainman.
	Chainman.
C. L. Kendell	*Axeman.*
	Axeman.
Fred'k A. Ribbach	*Flagman.*

2nd

Chain

10,00

40,00

Re-survey 109

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2nd Standard Parallel R. 14 W.

commenced June 17th 1882.

Chains From Standard Corner to Townships 10 S., R. 14 and 15 W. partly destroyed, I reestablish limestone 18x10x9 ins. 12 ins. in ground mark the same N. C. W. made regulation mound and pits

thence I run Centaling secs. 31

I found by observation the variation to be 16° 32' E.

10.00 I bisect 30 lks. wide trains S.

40.00 found Pine post 3x4 ins marked 1/4 S.C., bearing Pines, replace same with regulation mound and pits.

Runway

2nd Standard Parallel R. 14

Chains	
80.00	Old corner a sandstone 18x8x6 ins, marked 1 notch on W. 5 notches on E. edges for Stan dard Cor. to secs. 31 and 32 re-establish same with regulation mound and pits. Land level, Alkali.
	East along secs. 32 Var. 16°32' E
40.00	Old Corner a limestone 12x10x5 ins, marked S.C. 1/4 Var. W. face for 1/4 sec. cor. established regulation mound and pits.
80.00	Old Corner a Pine post marked as per instruct for Standard Cor. to secs. 32 and 33. Established regulation mound and pits.

Chains

27.0

29.0

34.5

38.

40.

73.

80.

2nd Standard Parallel R. 14 W.

Chains	Land level, Alkali
	Cont along sec. 33
	Var. 16° 32' E.
27.00	Enter Salt Slough dr. N.
29.00	leave same
34.50	Salt Slough 10 lks. wide dr. N.
38.00	Slough 40 lks. wide dr. N.
40.00	Old Corner a Pine post 4x4 ins. marked as per instruction laying down 16 lks. North replace same with regulation mound and pits, in Salt Marsh.
73.00	leave Salt marsh.
80.00	Old Pine post 4x4 ins laying down, marked as per instruction, for Standard Cor. to secs. 33-34

Chains	replace same with re-gulation mound & pits.	
	Land level, Alkali.	
	Centaloing sec. 34.	
	Var. 16° 32' E.	1.0
5.00	Slough 12 lks. wide Dr. N	2.5
40.00	no trace of old Corner	5.0
	set a Basalt 14 × 9 × 8 ins	40.
	9 ins. in ground for 1/4 Sec.	
	cor. marked S.C. 1/4 on N.	
	face with regulation	
	mound and pits.	
78.00	Enter slough bears N & S	
80.00	Pine post 4 × 4 ins. mark	
	as per instruction for	
	Standard Corner to secs.	62.
	34 and 35 re established	73.
	same with regulation	79.
	mound and pits. in slough	80.

Resurvey

14W. 2nd Standard Parallel R. 14W.

re_	chains	Land level, Alkali
s.		salt grass.
ali,		
		Cont along secs. 35
		Var. 16° 32' E.
2' E,	1.00	leave Slough
Tr. N	2.50	leave Slough drains N.
er	5.00	leave same
3 ins	40.00	set Lava stone 12×6×6 ins
Sec		8 ins. in ground for 1/4 sec. cor.
N,		marked S. C. 1/4 on N. face
m		for Standard 1/4 sec. cor.
		with regulation mound
& S		and pit. found old Cor.
ark		40 lks. South, destroyed
r		same.
ts.	62.00	Enter salt grass
hed	73.50	Slough drains N.
in	79.80	leave Slough.
ny	80.00	Old Corner destroyed set

Re-survey.

2nd Standard Parallel R. 14 W. 2

Chains	a Granite 16×9×8 ins. 10 ins. in ground for Standard Cor, to secs. 35 and 36 marked S.C. 5 notches on W, 6 on N and 1 on E. edges with regulation mound and pits
	land level, some Alkali Salt grass and greasewood
	Cont along secs 36
	Var. 16°32'
34.00	trail bears N E & S. W.
40.00	find old Corner a sandstone 12×10×5 marked 1/4 S.C. on N. face for Standard 1/4 sec. cor. establish regulation mound and pits
63.50	enter slough dr. N.
66.50	leave same
80.00	set Lava stone 16×9×9

2nd Standard Parallel R. 14 W.

10 lns. in ground for Standard Corner to T. 10 S. R. 13 and 14 W. marked S.C. on N. face and 6 notches on N. & W. faces with regulation mound & pits. Old Corner partly destroyed N 16° E 21 lks. I destroy same.

Land level, Salt grass

June 17th

For General Description see notes of previous survey and Subdivisions of adjoining townships.

Ferd. Dickert
U. S. Dep. Surveyor.

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the re *survey of the*

Second Standard Parallel South

Township No. ..... *Range No.* 14 West

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert

Under Sur. *contract No.* 108

of the 16th *day of* May 1882,

in the month of June 1882,

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

Fred Salomon

U. S. Surveyor General for Utah.

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REPORT: 1883

Filed 188

Examined by

Compared by E. Michaelis & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

OF

Township No. 11 South

Range No. 13 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 16th 1882

Survey completed June 16th 1882

Vol. 8

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Township 11 S. R. 13 W.

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18	17	16	15	14	13	119
19	20	21	22	23	24	118
30	29	28	27	26	25	117
31	32	33	34	35	36	116

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Kortz	Chainman.
Horace D. Ensign	Chainman.
	Chainman.
	Chainman.
C. L. Kendell	Axeman.
	Axeman.
Fred'k A. Ribbach	Flagman.

East Boundary T. 11 S. R. 13 W.

Chains	From Corner to T. 11 and 12 S. R. 12 and 13 W. established by me I run North bet. sec. 31 and 36
	Var. 16° 32' E.
	ascend on West side of ridge
27.00	dry Creek 18 lks. wide 3 ft. deep drains S.W.
40.00	set limestone 18×12×6 ins. in m of stones for 1/4 sec. cor. marke 1/4 on W. face raised mound of stones alongside as per re gulation, pits impracticab
51.50	dry Creek 60 lks. wide drains S.W.
70.00	dry Creek 40 lks. wide drains S.W.
80.00	Set a limestone 16×12×12 in 10 ins. in ground for cor. to sec 25, 30, 31 and 36 marked 5 not on N and 1 on South edges du pits and raised mound of stone

East Boundary T.4 S.R. 13 W.

Chains	
	alongside, as per regulation.
	Land mountainous, rocky
	sagebrush. on 80.00 Ch
	North bet. secs. 25 and 30
	Var. 16°32' E.
10.50	top of limestone ridge E & W.
20.00	gulch drains S. W.
24.50	top of Granite Peak
28.50	gulch drains S. W.
40.00	set a limestone 19 × 18 × 8 ins. in mound of rocks for 1/4 sec. cor. marked 1/4 on W. side raised mound of stones alongside as per regulation pits impracticable.
56.00	top of mountain bears E & W. 1000 feet above gulch
78.00	West side of limestone precipice
80.00	set a limestone 19 × 12 × 12 ins.

East Boundary T 11 S. R 13 W

Chains	in mound of stones for cor. to secs. 19. 24. 25 and 30 marked 4 notches on N. and 2 on S. edges raised mound of stones along side as per regulation pits impracticable.
	Land mountainous, rocky,
	80 as Ok
	North bet. secs. 19 and 24 Var. 16° 32' E.
38.00	gulch drains West
40.00	Set a limestone 18×12×6 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones along side as per regulation pits impracticable, on side of ridge
51.00	top of ridge bears NE a S.W.
61.00	gulch drains S.W.
80.00	Set a black limestone 20×12×12 ins. 18 ins. in ground

East Boundary T. 11 S. R. 13 W.

Chains	for cor. to secs. 13. 18. 19 and 24 marked 3 notches on N. & S. edges dug pits and raised mound of stones alongside as per regulat. on top of mountain bears S. W and N. E.
	Land mountainous, rocky on 80.00 chs some scrub Cedars
	North bet. secs. 13 and 18 Var. 16°32' E.
	along top of mountain
40.00	set a limestone 18×12×12 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside as per regulation pits impracticable.
69.50	gulch drains N.
80.00	Set a Quartzite 18×16×12 ins.

East Boundary T 11 S. R. 13 W. Ea

Chains		Chai
	in mound of stones for cor. to	70.0
	secs. 7. 12. 13 & 18 marked 2	71.5
	Notches on N and 4 on S. edges	80.0
	raised mound of stones along side, as per regulation pits impracticable	
	Land mountainous, on 8000 rocky, sagebrush.	
	North bet. secs. 7 and 12 Var. 16° 32' E.	
30.00	top of Mountain bears S. E & N. W	
40.00	Quartzstone in place 4×4×4 feet marked 1/4 on W. side raised mound of stones, as per regulation pits impracticable	
69.50	Overland road to Salt Lake bears E & W. set limestone 12×12×8 ins mark W. M. and mound of rocks. also foot of Mountain	38.
		40.

East Boundary T 11 S. R 13 W.

Chains	
70.00	telegraph line bears E & W.
71.50	shaft 25 feet deep.
80.00	set a limestone 12×9×8 ins, 8 ins, in ground for cor. to secs. 1. 6. 7 and 12 marked 1 notch on N. 5 notches on S. edges with regulation mound and pits
	Land 69.50 chains Mountainous, rocky rest level 2nd rate sagebrush, greasewood.
	North bet. secs. 1 and 6 Var. 16°32' E.
38.00	Road to Dugway mines bears N E & S. W. set limestone 12×6×6 marked W. M.
40.00	set a limestone 12×9×8 ins, 8 ins in ground for 1/4

East Boundary T. 11 S. R. 13 W. Ea

Chains	
	sec. cor marked 1/4 on W. face with regulation mound & pits
80.00	made mound and 4 pits N. S. E and W.
120.00	made mound and 2 pits N & S.
123.00	~~set~~ Intersect 2nd Standard Parallel 39.20 lks. West from Standard corner ~~and~~ to Townships 10 S. R. 12 and 13 W. set a Lava stone 26 x 27 x 4 ins. mark C. C. and 6 notches on E & W and S. edges. in mound of earth and 3 pits S. E & W. of corner and 20 lks. East of old 1/4 sec. cor. on secs. 3 a limestone 12 x 14 x [illegible] marked 1/4 on N. face

East Boundary T. 11 S. R. 13 W.

Land level, soil 2nd rate, sagetrush, greaseward and bunchgrass.

General Description
The Township West of this line is level ~~or~~ or ~~low~~ rolling, to Outlet. The eastern portion is mostly mountainous. A few springs in the North Western and S. E. Townships. N. W. and S. W. part of the Township. The township East is mountainous.

Ferdinand Dickert
U. S. Dep. Surveyor.
June 16th 82

BOOK-A-179

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the

East Boundary

Township No. 11 S. *Range No.* 12 W

of the Salt Lake Meridian, Utah Territory,
Executed by Ferdinand Lickert
Under his *contract No.* 108
of the 16th *day of* May 1882,
in the month of June 1882,
having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby aproved.

Geo. Salomon
U. S. Surveyor General for Utah.

BOOK-A-179

137

REPORT: 1883.

Filed 188

Examined by .....

Compared by .....

FIELD NOTES.

OF THE Re SURVEY OF THE

Second Guide Meridian West.

OF

Township No. 11 South,

Range No. 14 & 15 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th, 1882

Survey commenced June 19th 1882

Survey completed " " 1882

10

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	*Chainman.*
Horace D. Ensign	*Chainman.*
	Chainman.
	Chainman.
C. L. Kendall	*Axeman.*
	Axeman.
Frederick A. Ribbach	*Flagman.*

Resurvey

2nd Guide Meridian W. T. 11 S. R. 1

Communicated June 19th /82

Chains		
	From Corner to T. 11 and 1 R. 14 & 15 W. Trun North bet. secs. 31 and 36	
	Var. 16° 32' E.	
12.50	ridge bears E. & W.	21
26.00	gulch drains W.	40
40.00	Old Corner a limestone 15 x 10 ins. marked 1/4 on W. face re established same with mo of stones alongside pits im practicable.	
80.00	set a limestone 18 x 10 x 6 in in mound of stones for cor. to secs. 30. 31. 25 and 36 marked 5 notches on N. 1 notch on S. edges raised mound of stones alongside, old Corner 30 lks. W. destroy same.	56 80.

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1 S. R. 2nd Guide M. W. T. 11 S. R. 14-15 W.

	Land mountainous, only a few Cedars,
	North bet. sec. 25 & 30 Var. 16°32' E.
31.00	top of Knoll N E & S. W.
40.00	no trace of old Corner set limestone 12×9×8 ins in mound of stones marked 1/4 on W. face for 1/4 sec. cor. raised mound of stones alongside pits impracticable,
56.00	gulch Trends S. W.
80.00	Old Corner a limestone 20×10×10 ins no established same in mound of stones marked 2 notches on S. 4 on N. edges raised mound of stones alongside pits impr.

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2nd G. M. W. T. 11 S. R. 14 & 15 W. 2

Chains		Cha
	Land mountainous, rock sagebrush.	
	North bet. secs. 19 & 24	
	Var. 16° 32' E	40.
40.00	set a limestone 16 × 8 × 6 ins. 10 in. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits	
	old corner 12 lks north	60.
	destroyed same.	67.
	enter level land	80.
80.00	no trace of old corner set a limestone 15 × 9 × 8 ins. for cor. to secs. 19. 24. 13. & 18. marked 3 notches on N. 3 on S. edges with regulation mound and pits,	
	Land mountainous 40 ch.	

Remarks

15 W.	2nd G. M. W. T 11 S. R. 14 & 15 W.	
rock	Chains	rest level, soil 2nd rate
		North bet. secs. 13 and 18
4		Var. 16° 32' E.
32' E	40.00	~~set~~ old Corner limestone
3 x 6		14 x 7 x 6 marked 1/4 on W.
rked		face for 1/4 sec. cor.
re		establish regulation
ts		mound & pits.
th	60.50	Overland road N E & S. W.
	67.50	telegraph line N E & S. W.
	80.00	no trace of old Corner
er		set a limestone 12 x 9 x 6
9 x 8		8 ins. in ground for cor.
		to secs. 7. 12. 13 & 18 marked
		2 notches on N. 4 on S. edges
edges		with regulation mound
nd		and pits.
		Land level, sagebrush,
oh.		soil 2nd rate.

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2nd G.M.W. T. 11 S. R. 14 & 15 W. 2

Chains		Chain
	North bet. secs. 7 and 12	
40.00	N. 16° 32' E. no trace of old Corner set limestone 12 x 12 x 5 ins. 8 ins. in ground for 1/4 sec. cor. with regulation mound and pits.	
80.00	set a limestone 16 x 9 x 8 ins. 10 ins. in ground for cor. to secs. 1, 6, 7 & 12 marked 1 notch on N. 5 on S. edges with regulation mound & pits.	80
	old Corner laying 3 ch. West, bearing same.	10
	Land level, Alkali sagebrush.	121
	North bet. secs. 1 and 6 Var. 16° 32' E.	
40.00	set a limestone 8 x 8 x 6	

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Re-survey

2nd G. M. W. T. 11 S. R. 14 & 15 W.

	Chains	6 ins. in ground for 1/4 sec cor. marked 1/4 on W. face with regulation mound and pits.
		old Corner 1 lk. 42 lks. West of ~~Corner~~ line, destroyed same
	80.00	raised mound of earth and 4 pits N. S. E & W. of same.
	100	Dry Creek 20 lks. wide 4 feet deep trends N.
	121.80	Intersect 2nd Standard at the Closing Corner a Quartzite 17 x 10 x 6 ins marked C. C. 6 notches on S. E & W. edges, established regulation mound & pits 37 ch. West from Corner to T. 10 S. R. 14 & 15 W.

Re-survey

2 G. N. W. T. 11 S. R. 14 & 15 W

and 3 chains E. from a Post marked 1/4 on N. face for 1/4 sec. cor. of sec. 36 T. 10 S. R. 15 W.

Land level, Alkali

June 19th 82

General Description

There is some fine Land along Northern and eastern Boundary of this township, and should be subdivided

Ferdinand Dickert

U. S. Dep. Surveyor

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the re *survey of the*

Second Guide
Meridian West.

Township No. 11 S. *Range No.* 14 & 15 W

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickus.

Under his *contract No.* 108

of the 16th *day of* May 1882,

in the month of June 1882,

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

Frd. Salomon

U. S. Surveyor General for Utah.

BOOK-A-179

REPORT: 1883

147

Filed 188

Examined by .....

Compared by Ed. Mikaelin, L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

East and South boundaries

OF

Township No. 11 South

Range No. 14 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert.

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th " 1882

Survey commenced June 14th " 1882

Survey completed " 18th " 1882

9.

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	*Chainman.*
Horace D. Emaigu	*Chainman.*
	Chainman.
	Chainman.
C. L. Kendell	*Axeman.*
	Axeman.
Frank A. Ribbach	*Flagman.*

BOOK-A-179/31

Exteriors T. 11 S. R. 14 W.

East Boundary.

Commenced June 14th/82

Chains	
	From Corner to townships 11 and 12 S. R. 13 and 14 W. marked as described in my notes I run North bet. secs. 31 and 36 I found the Variation by observation with the North Star to be 16°32' E.
1.00	enter grassland
40.00	Deposited marked stone 12 ins in ground for 1/4 sec. cor. made regulation mound and pits, drove stake in N. pit marked 1/4 S. on W. face.
72.50	~~leave grassland~~ Overland road bears E & W. also telegraph line blazed telegraph Put 100 lks. West.

Exteriors T. 11 S. R. 14 W. 132

East Boundary.

Chains	
80.00	Deposited marked stone 12 ins. in the ground for Cor. to secs. 25. 30. 31 and 36 made regulation mound and pits Drove stake in S.E. pit, with requisite marks. Land level, prairie land, some Alkali soil 1st and 2nd rate.
	North bet. secs. 25 and 30
	Enter Swamp Var. 16° 32'
40.00	Deposited marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound & pit. Drove stake in N. pit marked S 1/4 on W. face.
80.00	Deposited marked stone 12 ins. in ground for cor. to secs. 24. 25. 19 and 30.

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Esterino T. 11 S. R. 14 W.

East Boundary.

Chains	made regulation mound and pits, drive stake in S. E. pit with requisite marks. Swamp land, fine grazing
	North bet. secs. 19 and 24 Var. 16° 32' E.
40.00	set a limestone 12×6×4 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
52.50	Slough 8 lks wide 3 ft deep, fresh water runs S. W.
59.00	Slough 10 lks. wide fresh water runs S. W.
80.00	set a limestone 12×6×4 ins 8 ins. in ground for cor. to secs. 13. 18. 19 and 24

Exteriors T. 11 S. R. 14 W. 134

East Boundary

Chains	marked 3 notches on N. and 3 on S. edges made regulation mound and pits
	Land level, grassland.
	North bet. secs. 13 and 18
	Var. 16° 32' E.
40.00	Deposited a marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound & pits drove stake in N. pit ~~V~~ marked 1/4 S. on W. face
80.00	Deposited a marked stone 12 ins. in ground for cor. to secs. 7. 12. 13 & 18 made regulation mound and pits, drove stake in S. E. pit, with requisite marks.
	Land level, soil 1st rate, grassland, some Alkali

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Exteriors T. 11 S. R. 14 W.

East Boundary

Chains	
	North bet. secs. 7 and 12.
	Var. 16° 32' E.
40.00	Deposited a marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound & pits drove stake in N. pit, marked 1/4 S. on W. face
50.00	Slough 40 lks. wide dr. S.W.
74.00	Slough 80 lks. wide dr. S.W.
80.00	set limestone 9 x 8 x 5 ins. 6 ins. in ground for cor. to secs. 1. 6. 7 and 12 marked 1 notches on N. 5 notches on S. edges with regulation mound & pits.
	Land level, soil 2nd & 3d rate, some Alkali, grass-land.

185 1/2

Exteriors T. 11 S. R. 14 W.

East Boundary

Chains	North bet. secs. 1 and 6
	Var. 16° 32' E.
40.00	set limestone 9×8×5 ins. 6 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face ~~E~~ made regulation mound and pits.
80.00	to point Dug 4 pits raised mound of earth inside.
122.00	Intersect 2nd Standard Parallel 37.50 chains West from Standard Corner to Townships 10 S. R. 13 and 14 West set a limestone 12×8×6 ins. marked C. C. 6 notches on S. E. & W. edges mound of earth and pits E. W and S. of same
	Land level soil 2nd & 3d rate, Alkali, saltgrass and greasewood.

please leave space for this item the Deputy should connect with nearest corner so I will have to see Mr Dickert about it.

June 14th

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Exterior T. 11 S. R. 14 W.

South Boundary.

From the Re-established Corner to Townships 11 and 12 S. R. 14 and 15 W. on 2nd Guide Meridian west a limestone 16×12×10 ins marked 6 notches N. S. E. W. and mound of stones pits impracticable, I run East on a random line between said townships, the variation of my compass being 16° 32' E. I set temp. half mile and mile corners at each 40 and 80 chains and find the township line to be 5 miles 78 ch. 20 lks. and the falling to be 80 lks. north of the Cor. to Townships 11 and 12 S. R. 13 and 14 W. The

South Boundary

Chains	
	correction for the true line will therefore be 13 1/3 lks. South and 1 ch. 80 lks. West per mile, and its course will be N 89° 54' W.
	From the Cor. to Townships 11 and 12 S. R. 13 and 14 W. I run N 89° 54' W. on a true line bet. secs. 1 and 36
	Var. 16° 32' E.
40.00	set a limestone 16 x 9 x 8 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, with regulation mound and pits
70.00	leave flat enter bench land
80.00	set limestone 18 x 9 x 9 ins. 12 ins. in ground for cor. to secs. 1. 2. 35 and 36 marked 5 notches on W. 1 notch on E.

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Exterior T. 11 S. R. 14 W.

South Boundary.

e line	Chains	edges, with regulation mound
s El.		and pits, Altitude 4000 ft.
West		Land level, soil 2nd rate
e		some Alkali, sagebrush.
nly		N. 89° 54' W. on a true line
14 W.		bet. secs. 2 and 35
a		Var. 16° 32' E.
36	40.00	set limestone 16 × 9 × 9 ins.
32' E.		10 ins. in ground for 1/4 sec.
3 ins.		cor. marked 1/4 on N. face
cor.		with regulation mound
with		and pits.
pits	56.50	Road from Fish Springs
erali		to Detroit Mines bears N. & S.
		set limestone 14 × 12 × 12 ins.
9 ins.		marked W M and mound of
cor. to		stones 3 × 3 × 3 feet.
ked		also foot of Mountain
E.	78.50	Wood road bears N E & S. W.

per regulation.

Exteriors T. 11 S. R. 14 W.

158

South Boundary.

Chains	
80.00	set limestone 18 x 16 x 12 ins. in mound of stones for cor. to secs. 2. 3. 34 and 35 marked 4 notches on W. 2 notches on E. edges raised mound of stones alongside pits impracticable. Land 23 ch. 50 mountainous rest bench land soil 3d rate, sagebrush bunchgrass.
	N. 89° 54' W. on a true line bet. secs. 3 and 34
	Var. 16° 32' E.
40.00	set limestone 20 x 14 x 6 ins in mound of stones for 1/4 sec. cor. marked 1/4 on N. face raised mound of stones along side pits impracticable.
55.00	limestone ridge bears N.W.
60.00	gulch drains S. E.

Exteriors T. 11 S. R. 14 W.

South Boundary

	Chains	
ins.	80.00	set a limestone 19×18×12 ins
. to		in mound of stones for cor.
ked		to secs. 3. 4. 33. and 34 marked
n E.		3 notches on W. and 3 on E.
es		edges raised mound of stones
icable		along side, pits impracti-
ains		cable.
d		Land mountainous, rocky,
yrass.		some Cedars, bunchyrass. on
		8 acres dis
line		N. 89°54' W. on a true
		line bet. secs. 4 and 33
2' E.		Var. 16°32' E.
×6 ins	5.00	top of high ridge bears
sec.		N & S. Altitude 5150 ft
e		set WM. 5×3×3 feet.
long	40.00	set limestone 16×9×8 ins.
ble.		in mound of stones for 1/4 sec.
N.W.		cor. marked 1/4 on N. face
		raised mound of stones alongside

...s per regulation.

Chains	
	pits impracticable, in gulch trains S. E.
80.00	set limestone 16×12×10 ins. in mound of stones for cor. to secs. 4, 5, 32 and 33 marked 2 notches on W. 4 notches on E. edges raised mound of stones alongside, pits impracticable on land side of mountain, bears S. E and N. W.
	Land mountainous, 80.00 chs. rocky, some Cedars.
	N 89° 54' W. on a true line bet. secs. 5 and 32
	Var. 16° 32' E.
10.00	top of mountain 6200 ft. high set limestone 16×16×16 ins. marked W. M.
	Descend.

South Boundary.

	Chains	
	40.00	set a limestone 12×10×9 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside, pits impracticable.
	75.00	limestone precipice 80 ft. high bears N. & S.
	80.00	set limestone 18×12×9 in mound of stones, ~~marked~~ for cor. to secs. 5. 6. 31 and 32 marked 1 notch on W. 5 notches on E. edges raised mound of stones along side pits impracticable, on top of rocky ridge bears N. & S.
		Land mountainous, rocky few Cedars and brushwood.

162 Exteriors T. 11 S. R. 14 W.

South Boundary.

Chains	N 89° 54' W. on a true line bet. secs. 6 and 31. Var. 16° 32' E.
40.00	limestone in place 4x4x4 feet marked 1/4 on N. face, raised mound of stones alongside, pits impracticable in gulch drains S. W.
78.20	the Cor. to Townships 11 and 12 S. R. 14 & 15 W.

Land mountainous, rocky, some cedars,

June 18th 82

Note: For General Description see Subdivision of this Township

Ferdinand Dickert
U. S. Dep. Surveyor

BOOK-A-179

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the

East and South

Boundaries.

Township No. 11 S. *Range No.* 14 W

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert,

Under his *contract No.* 108

of the 16th *day of* May 1882,

in the month of June 1882,

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

Fred Salomon

U. S. Surveyor General for Utah.

as per regulation.

BOOK-A-179

REPORT: 1883.

164

Filed 188

Examined by .....

Compared by Ed. Michaelis & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

Fractional

Subdivisions

OF

Township No. 11 South,

Range No. 14 West,

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert,

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 20th 1882

Survey completed " 22nd 1882

12

Other requisitions.

4

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Township 11 S. R. 14 W

128	6	172	5	169	4	166	3	164	2	154	1	135½
	173		170		168		165		163		155	
128	7	174	8		9		10	162	11	153	12	135
	175								161		152	
127	18		17		16		15	160	14	151	13	134
									159		150	
126	19		20		21		22		23	149	24	133
									158		148	
125	30		29		28		27		26	146	25	132
									157		145	
124	31		32		33		34	156	35	144	36	131
	143		141		140		139		138		137	

Subdivisions T. 11 S. R. 14 W.

Chains	Survey commenced June 20th 1882 with a Gurleys Solar Compass, by observation I find the variation to be 16° 32' E. I commenced at the cor. to Secs. 1. 2. 35 and 36 on the South Boundary which is a limestone 16×9×8 ins. firmly set in ground with one notch on E & 5 notches on W. edges and regulation mound and pits. Thence I run North bet. secs. 35 and 36 Var. 16° 32' E.
40.00	set a limestone 9×8×8 ins., 6 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits

as per regulation.

Subdivisions T. 11 S. R. 14

Chains	
80.00	set a limestone 12 x 9 x 6 8 ins in ground for cor. to sec 25. 26. 35 and 36 marked 1 notch on S. and 1 notch on E. edges with regular mound and pits.
	Land level, soil 1st rate. Greasewood and Salt grass.
	Cont. on a random line bet. secs. 25 and 36
	Var. 16° 32' E
24.00	Overland road bears S. W. and N. E. set a limestone 14 x 12 x 5 in. marked W. M.
28.00	telegraph line bears S. W.
40.00	Set temporary 1/4 sec. cor.
80.00	Intersect East Boundary of township at 28 lks. W.

R. 14 Subdivisions T. 11 S. R. 14 W.

Chains.	
	of the Cor. to secs. 25, 30 31 and 36 established by me thence I run N. 89° 48' W. on a true line bet. secs. 25 and 36 with same va.
40.00	set a limestone 14×12×5 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
80.00	the Cor. to secs. 25, 26, 35 and 36 Land level, soil 1st rate grassland.
	North bet. secs. 25 and 26 Var. 16° 32' E.
31.50	Overland road bears SE. & NW.
40.00	set a limestone 12×9×9 ins.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits; a telegraph pole 10 in. dia. bears N. 15° E. 54 feet marked 1/4 S. B.T.
46.00	Spring runs S.E. 48 lks. wide (heads about 200 N.W.)
53.00	Round pond 50 lks. dia. on line.
80.00	set a limestone 10×6×5 3 6 ins. in ground for cor. to secs 23.24.25 & 26 marked 2 notches on S. 1 notch on E. edges with regulation mound and pits.

Land level, soil 1st rate, grass land.

R. 14 W. Subdivisions T. 11 S. R. 14 W.

	Chains	
		East on a random line bet. secs. 24 and 25
		Var. 16° 32' E.
	40.00	set temp. 1/4 sec. cor.
	79.80	Intersect East boundary of the township at 30 lks. north of the cor. to secs. 24. 25. 19 & 30 established by me thence I run N. 89° 47' W. on a true line bet. secs. 24 and 25
	39.90	set a limestone 16×5×4 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
	79.80	the Cor. to secs. 23. 24. 25 and 26.
		Land level, grassland soil 1st rate.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

North bet. secs. 23 and 24

Chains. Var. 16°32' E.

15.50 Spring branch 40 lks. wi
runs N.

line runs along East side

17.50 same Spring branch runs E 30

19.00 North side of same branch.

40.00 set a limestone 12×9×3 in 3
8 ins. in ground for 1/4 sec.
cor. marked 1/4 on W. face 4
with regulation mound pit 7

80.00 set a limestone 12×6×5 in
8 ins. in ground for cor. to se
13. 14. 23 and 24 marked
3 notches on S. 1 notch on E.
edges with regulation mou
and pits.

Land level, soil 1st rate 3
grass land.

N.E. Corner Smiths House

. 14 W. Subdivisions T. 11 S. R. 14 W.

	Chains	
d 24		bears S. 52½° W. about
°32' E.		30 chains.
ks. wi		East on a random line bet.
		secs. 13 and 24
t side		Var. 16° 32' E.
runs E	30.60	small Creek 5 lks. wide 1 ft.
branch		deep runs N.
×9×3 in	31.00	small Creek 8 lks. wide 14 in.
¼ sec.		deep runs N.
face	40.00	set temp. ¼ sec. cor.
ound x p	79.75	Intersect east boundary
×6×5 in		of township 20 lks. North
to se		of cor. to secs. 13. 24. 18
rked		and 19 established by me
on E.		thence I run
m mou		N. 89° 51' W. on a true
		line bet. secs. 13 and 24
st rate	39.87½	set a limestone 12×9×4
		ins. 8 ins. in ground for
House		¼ sec. cor. marked ¼ on N.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	face, with regulation mound and pits
79.75	the Cor. to secs 13.14.23 and Land level, soil 1st rate grazeland.
	North bet. secs. 13 and 14 Var. 16° 32' E.
40.00	set a limestone 12x8x6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits.
80.00	set a limestone 12x6x6 ins. 8 ins. in ground for cor. to secs. 11. 12. 13 and 14 marked 4 notches on S. 1st on E. edge with regulation mound and pits. Land level, soil 1st rate grazeland, sagebrush.

14 W. Subdivisions T. 11 S. R. 14 W.

	Chains	
		East on a random line bet. secs. 12 and 13
	36.60	Va. 16° 32' E. road bears N E & S. W.
	40.00	set temp. 1/4 sec. cor.
	79.70	Intersect East boundary of township 20 lks. N. of Cor. to secs 12. 13. 7 and 18 established by me thence I run N 89° 51' W. on a true line bet. secs. 12 and 13 with same var.
	39.85	set a limestone 12×8×6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits,
	79.70	the cor. to secs. 11. 12. 13 and 14
		Land level soil 1st rate grassland

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	North bet. secs. 11 and 12 Var. 16° 32' E.
40.00	set a limestone 12×9×9 ins 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits
80.00	set a limestone 12×8×6 ins 8 ins. in ground for cor. to secs 1. 2. 11 and 12 marked 5 notch on S. 1 notch on E. edges with regulation mound and pits Land level, soil 2nd rate salt grass, greasewood.
	Cut on a random line bet. secs. 1 and 12 Var. 16° 32' E.
40.00	set temp. 1/4 sec. cor.
80.20	Intersect East boundary

Subdivisions T. 11 S. R. 14 W.

Chains	
	of township at the Cor. to secs. 1. 12. 6 and 7 thence I run West on a true line bet. secs. 1 and 12 with same var.
40.10	set a limestone 12×9×8 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.
80.20	the Cor. to secs. 1. 2. 11 and 12
	Land level, soil 2nd rate, some alkali, Salt grass.
	North on a true line bet. secs. 1 and 2
	Var. 16° 32' E.
40.00	set a limestone 12×9×4 ins. 8 ins. in ground for 1/4 secs.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	cor. marked 1/4 on W. face with regulation mound and pits
80.00	to point raise mound and dug 4 pits.
122.10	Intersect 2nd Standard
3.00 East	Parallel 3.00 ch. West from
1/4	Standard 1/4 cor. to secs 35 and ~~36~~ T. 10 S. R. 14 W., deposit marked stone 12 ins, in grd for cor. to secs. 1 and 2 made regulation mound and pits, drove stake in South pit with requisite mark.
	Land level, Alkali 3d rate,
	June 20th 82

14 W. Subdivisions T. 11 S. R. 14 W.

	Chains	
face		North bet. secs. 34 and 35
d and		Var. 16° 32' E.
		From the Cor. to secs. 34 & 35
d and		on South Boundary of
		township established
ind		by me D. run
from		North bet. secs. 34 and 35
		Va. 16° 32' E.
5 and	40.00	set limestone 16×12×5 ins.
Deposit		in mound of stones for 1/4
in gr		sec. cor. marked 1/4 on W. face
made		raised mound of stones along
pits		side pits impracticable
		on side of mountain
pit	80.00	set limestone 14×12×9
		ins. in mound of stones for
		cor. to secs. 26. 27. 34 & 35
eli		marked 1 notch on S. 2 notchs
		on E. edges raised mound of
		stones alongside pits impracticable on side
		of mountain, bears N & S.
		Land 1st half rolling, 2nd mountain
		rocky, sagebrush.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	Cont on a Random line bet. secs. 26 and 35
	Var. 16° 32' E.
	Forward
20.00	foot of mountain
40.00	set temp. 1/4 sec. cor.
47.50	Road from Fish Springs to Detroit Mines bears N & S. set limestone 12 x 9 x marked W M. raised mound of stones 3 x 3 x 3 ft. along side
79.80	Intersect N & S. line 40 chs. N. of the Cor. to secs. 25, 26, 35 and 36 thence
	I run N 89° 43' W. on a true line bet. secs. 26 and 35 with same var.
39.90	set a limestone 16 x 12 x 9 ins 10 ins in ground for 1/4 sec. cor. marked 1/4 on W. face
	Dug pits raised mound of

Subdivisions T. 11 S. R. 14 W.

Chains	
	stones alongside
79.80	the Corner to secs.
	26. 27. 34 and 35.
	Land 20 ch. mountainous
	rest bench land, soil
	2nd rate.
	North betw. Secs. 26 & 27 impracticable therefore
	From Corner to secs.
	23. 24. 25 and 26 Down
	West on a true line bet.
	secs. 23 and 26
	Var. 16° 32' E.
5.00	telegraph line N. & S.
10.00	Overland road bears N. & S.
40.00	set limestone 16 x 9 x 8 ins.
	in mound of stones for
	1/4 sec. cor. marked 1/4 on
	N. face raised mound of
	stones alongside posts impracticable, in front of Mountain

as per requisition.

Subdivisions T. 11 S. R. 14 W.

Chains.	
	bears N E & S.W., line further West impracticable Benchland, soil 2nd & 3d rate sagebrush, bunchgrass.
	From Corner to secs. 13, 14, 23 and 24 I run West on a true line bet. secs. 14 and 23 Var. 16° 32' E.
34.50	Telegraph line bears N. & S.
35.00	Overland road bears N. & S. Dug pit 3×1×1 feet raised mound of earth East of same
40.00	set a limestone 12×9×8 ins. 8 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
41.00	Road bears S. W & N. E.

Subdivisions T. 11 S. R. 14 W.

Chains	
80.00	set a limestone 18×12×6 ins., 12 ins. in ground for cor. to secs. 14, 15, 22 and 23 marked B on S. and E. edges with regulation mound and pits. near foot of mountain. Land level, soil 1st and 2nd rate, somewhat gravelly.
	North bet. secs. 14 and 15 Var. 16°32' E.
40.00	set a limestone 12×9×8 ins., 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
80.00	set a limestone 18×12×6 ins in mound of stones for cor.

as per regulation.

Chains		
	to secs. 10. 11. 14 and 15 marked	Cl
	4 notches on S. and 2 on E. edges	
	raised mound of stones along	3.9
	side pits impracticable.	
	Land Bench land soil	
	2nd and 3rd rate, sagebrush	
	brushwood	79
	East on a random line	
	bet. secs. 11 and 14	
	Var. 16° 32' E.	
20.90	Overland road and	
	telegraph line bears N.	
	dug pit and raised mound	40.
	of earth on East side	
40.00	set temporary 1/4 sec. cor.	
79.80	Intersect N. & S. line	
	at the cor. to secs.	60. 80
	11. 12. 13 and 14 thence	
	from West on a true line	

W. Subdivisions T. 11 S. R. 14 W.

Chains	bet. secs. 11 and 14 with same var.
39.90	set limestone 9 x 6 x 6 ins., 6 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits
79.80	the Cor. to secs. 10. 11. 14 and 15
	Land level, soil 1st rate, sagebrush grazeland.
	North bet. secs. 10 and 11 Var. 16°32' E.
40.00	set limestone 12 x 8 x 6 ins., 8 ins. in ground for ~~cor. to secs~~ 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits
60.00	Overland road and telegraph bears W. W. & S. E.
80.00	set a limestone 16 x 12 x 4 ins., 10 ins. in ground for cor. to secs. 2. 3. 10 and 11 marked

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	5 notches on S. 2 notches on E. edges with regulation mound and pits. Land level, soil 2nd rate Sagebrush.
	Cut on a random line bet. secs. 2 and 11 Var. 16° 32' E.
13.30	Road bears S.W. & N.E.
40.00	set temp. 1/4 sec. cor.
80.10	Intersect N. & S. line 28 Ch. N. of cor. to secs. 1. 2. 11 and 12, thence I run N 89° 48' W. on a true line bet secs. 2 and 11 with same
40.05	set a limestone 22×8×8 ins. 14 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits

Subdivisions T. 11 S. R. 14 W.

Chains	
80.10	the Cor. to secs. 2, 3, 10 and 11 Land level, soil 2nd rate Sagebrush, Salt grass.
	North on a true line bet. secs. 2 and 3
	Var. 16°32' E.
22.40	Road bears E & W.
28.50	Slough & Spring 40 lks. wide Trans Cent. Pond of 1 acre about 800 feet West.
40.00	set a limestone 16 x 8 x 4 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
80.00	raised mound and dug 4 pits N. S. E. & W.
121.60	Intersect 2nd Standard

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	Parallel 3 chains East from Standard 1/4 sec. cor. of secs. 34 T. 10 S. R. 14 W. set limestone 10 x 8 x 6 ins, 6 ins in ground marked C. C. 6 notches on S. & E. & W. edges with regulation mound and pits.
	Land level, Alkali soil 2nd & 3d rate, salt grass.
	From Corner to secs. 2, 3 10 and 11 I run West on a true line bet. secs. 3 and 10
	Var. 16° 32' E.
9.00	Telegraph line bears N. & S.
15.80	Overland road bears W. & S.
25.00	foot of mountain N.W. & S. E.

Subdivisions T. 11 S. R. 14 W.

Chains	
40.00	set limestone 16 x 12 x 9 ins on top in mound of stones marked 1/4 on N. face for 1/4 sec. cor. raised mound of stones alongside, pits impracticable,
52.00	gulch trends North
80.00	set limestone 18 x 12 x 9 ins in mound of stones for cor. to secs. 3, 4, 9 and 10 marked 5 notches on S. 3 notches on E. edges ~~with~~ raised mound of stones pits impracticable.

Land 55 chains mountainous rocky, rests level, soil 3rd rate June 21st 1882

June 22

North on a true line bet. secs. 3 and 4

Var. 16° 32' E.

Subdivisions T. 11 S. R. 14 W.

Chains	Descend.
40.00	set limestone 16 x 12 x 5 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face, raised mound of stones alongside pits impracticable.
64.00	foot of Mountain E. & W.
68.00	Overland road and telegraph line bears E & W, set limestone 12 x 9 x 8 ins. marked W.M.
80.00	raised mound dug pits N. S. E. & W. of same.
122.10	Intersect 2nd Standard Parallel 2 ch 90 lks East of 1/4 sec. cor. ~~of secs.~~ on ~~line~~ South boundary of secs. 33
	set limestone 9 x 8 x 8 ins.
	bines in ground marked
	6 notches, S. 3 E & 3 W. and C. C.

Subdivisions T. 11 S. R. 14 W.

Chains		and regulation mound and pits.
		from Cloring Cr. Hot Spring 18 feet Diam.
		bears N 64° W. 800 feet
		dist. a hot Spring 20 ft.
		Diam. bears N 60° W. 700 ft.
		dist. hot spring 30 ft.
		Diam. bears N. 10° E. about
		1000 feet Altitude 4100 ft.
		Land level, Alkali
		Salt grass.
		West on a true line
		bet. secs. 4 and 9
		Var. 16° 32' E.
33	28.00	along North end of Fish Spring Mountain
		gulch Trees N,
	40.00	set limestone 6x12x9
		ins. in mound of stones for
		1/4 sec. cor. marked 1/4 on N.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	face raised mound of stones alongside, pits impracticable
80.00	set limestone 14×12×6 ins, gins. in ground for cor. to secs. 4, 5, 8 and 9 marked 5 notches on S and 4 notches on E. edges raised mound of stones alongside pits impracticable,
	Land mountainous, rocky, sagebrush,
	North bet. secs. 4 and 5 Var. 16° 32' E,
40.00	set limestone 16×9×8 ins in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside pits impracticable

Sub

Chains
80.00
84.00
123.00
40.00

Subdivisions T. 11 S. R. 14 W.

Chains	
80.00	raised mound dug pits N S. E & W. of same. foot of mountain
84.00	Overland road and telegraph line bears E & W.
122.00	Intersect 2nd Standard Parallel 2 ch. 80 lks. East of 1/4 sec. cor. of secs. 32 set a limestone 9 x 8 x 6 ins 6 ins. in ground marked C. C. 6 notches on S. 4 E & 2 W. edges with regulation mound and pits
	Land 80 ch. mountains rocky. rests level some Alkali; Salt grass.
	West on a true line bet. secs. 5 and 8.
	Var. 16° 32' E.
40.00	set limestone 15 x 9 x 6 ins.

as per regulation.

Subdivisions T. 11 S. R. 14 W.

Chains	
	in mound of stones for 1/4 sec. cor. marked 1/4 on N. face raised mound of stones alongside pits impracticable on top of ridge
65.00	foot of Mountain bears N E & S. W also Over land road and telegraph line bears N E & S. W.
80.00	set a limestone 22×9×9 ins, 14 ins. in ground for cor. to secs. 5. 6. 7 and 8 marked 5 notches on S, and 5 on E. edges with regulation mound & pits, Land mountainous. 65 chains, rest level soil 2nd rate, salt grass sagebrush.

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Subdivisions T. 11 S. R. 14 W.

Chains

North bet. secs. 5 and 6
Var. 16°32' E.

40.00 set a limestone 14 x 12 x 5 ins., 9 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.

80.00 raised mound dug pits W. S. E. & W. of same

122.20 ~~set~~ Intersect 2nd Standard Parallel 2 ch. 23 lks. W. of 1/4 Sec. cor. of secs. 31 set a limestone 13 x 6 x 6 ins., 8 ins. in ground for ~~1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.~~ closing Corner to secs. 5 and 6 marked 6 notches on S. and 1 on W. and 5 on E. and C. C. yes with regulation as per regulation.

Chains.	
	mound and pits
	Land level, soil 2nd rate
	sagebrush, Salt grass.
	West on a random line
	bet. secs. 6 and 7
	Var. 16° 32' E.
13.50	Dry Creek 10 lks. wide Dr. N.
15.50	Dry Creek 8 lks. wide Dr. N.W.
30.00	Dry Creek 20 lks. wide Dr. N.E.
40.00	set temp. 1/4 sec. cor.
63.00	Dry Creek 10 lks. wide Dr. N.
80.05	Intersect West boundary
	10 lks. North of the Cor.
	to secs. 6. 7. 1 and 12
	thence I run
	N 89° 56' E. on a true
	line bet. secs. 6 and 7.
	with same Va.
40.05	Set limestone 12 x 8 x 6
	ins, 8 ins. in ground for

Subdivisions T. 11 S. R. 14 W.

chains	1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits,
80.05	the Corner to secs. 5. 6. 7 and 8
	Land level, sand Alkali, sagebrush.
	From Cor. to secs. 5. 6. 7 & 8 Iron South bet. secs. 7 and 8
	Var. 16° 52' E.
40.00	set a limestone 18 x 12 x 9 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
46.50	
46.50	telegraph line bears N. and S. W.
50.20	Overland road bears N. & S. W.

Subdivisions T. 11 S. R 14 W.

Chains	
80.00	set limestone 16×9×8 ins. 10 ins. in ground for cor. to secs 7. 8. 17 and 18 with regulation mound and pits. Land, clayey, alkali, sagebrush.
	West on a random line bet. secs, 7 and 18
	Var. 16°32' E.
40.00	set temp. 1/4 sec. cor.
53.00	Overland road and telegraph bears N E & S. W.
80.20	Intersect West boundary 30 lks. North of Corner to secs. 7. 18. 12 and 13 thence D run
	N 89° 47 E. on a true line bet. secs. 7 and 18, with same va.
40.20	set a limestone 12×9×4 in. 8 ins. in ground for 1/4 sec.

Subdivisions T. 11 S. R. 14 W.

Chains	cor. marked 1/4 on N. face with regulation mound and pits.
80.20	The Corner to secs. 7. 8. 17 and 18
	Land level, soil 2nd rate sagebrush.
	June 22nd 12
	General Description
	This Township contains some fine grazing land along East and North Boundary. The Centre is mountainous, covered with Cedars. The Eastern part is well watered by Springs. Several Hot Sulphur Springs are near the North boundary. There is a Settler in secs 23.

Ferd. Dickert
U. S. Dep. Surveyor.

[4.—LIST OF NAMES.]

A list of the names of the individuals employed by Ferdinand Dickert *United States deputy surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of* The Exteriors of T. 15 S. R. 12 W. T. 14 S. R. 11, 12 & 13 W. T. 13 S. R. 13 & 14 W. T. 12 S. R. 13 W. T. 11 S. Rs 13 & 14 W. Resurvey 2nd S. N. W. T. 11 S. bet Rs 14 & 15 W. renew 2d stand and Parallel R. 14 W. and fractional subdivisions T. 11 S. R. 14 W. *of the Salt Lake base and meridian in the Territory of Utah, showing the respective capacities in which they acted.*

....., *Compassman.*

Samuel S. Moritz, *Chainman.*

Horace D'Ensign, *Chainman.*

....., *Chainman.*

....., *Chainman.*

C. L. Kerdell, *Axeman.*

[illegible], *Axeman.*

Fred A. Ribbach, *Flagman.*

as per regulation.

[5.—FINAL OATHS OF ASSISTANTS.]

We hereby certify that we assisted Ferdinand Dickert *United States deputy surveyor, in surveying all those parts or portions of the* Exteriors of T. 15 S. R. 12 W. T. 14 S. R. 11, 12 & 13 W; T. 13 S. Rs. 13 & 14 W. T. 12 S. R. 13 W. T. 11 S. Rs. 13 & 14 W. resurvey 2nd G. M. W. T. 11 S. bet. R. 14 & 15 W. resurv. 2nd Stand. Par. R. 14 W. and fract. subds. T. 11 S. R. 14 W. *of the Salt Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States surveyor-general for Utah.*

....., *Compassman.*

Samuel S. Moritz, *Chainman.*

Horace D. Ensign, *Chainman.*

....., *Chainman.*

....., *Chainman.*

C. F. Keddell, *Axeman.*

....., *Axeman.*

Fredrc A. Ribbach, *Flagman.*

Subscribed and sworn to before me this 26th *day of* June *1882*

Edward Michaelis
Notary Public

as per regulation.

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[6.—FINAL OATH OF UNITED STATES DEPUTY SURVEYOR]

I, Ferdinand Dickert

United States deputy surveyor, do solemnly swear that in pursuance of instructions received from Frd. Salomon

United States surveyor general for Utah, bearing date of the 16th day of May, 1882, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States surveyor general for Utah, the surveying manual, and the laws of the United States, surveyed all those parts or portions of Exteriors of T. 15 S. R. 12 W. T. 14 S. R. 11. 12 & 13 W. T. 13 S. R. 13 & 14 W. T. 12 S. R. 13 W. T. 11 S. R. 13 & 14 W. resurvey 2nd G. M. West T. 11 S. bet. R. 14 and 15 W. resurvey 2 Stand and Tax. R. 14 W. and fruit. subds. T. 11 S. R. 14 W.

of the Salt Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by me and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the surveying manual, printed instructions, the special written instructions of the United States surveyor general for Utah, and in the specific man-

as per regulation.

ner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and, should any fraud be detected, I will suffer the penalty of perjury, under the provisions of an act of Congress, approved August 8, 1846.

Ferdinand Dickert
United States Deputy Surveyor.

Subscribed and sworn to before me this 26th day of June 1882

Edward Michaelis
Notary Public

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the
Fractional
Subdivisions

Township No. 11 S. *Range No.* 14 W.
of the Salt Lake Meridian, Utah Territory,
Executed by Ferdinand Lickey
Under his *contract No.* 108
of the 16th *day of* May 1882,
in the month of June 1882,
having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby aproved.

Fred Salomon
U. S. Surveyor General for Utah.

as per requisition.

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REPORT: 1883

Filed 188

Examined by .....

Compared by E. Michaelis & L. N. Hicks

FIELD NOTES

OF THE SURVEY OF THE

East, West and North boundaries

OF

Township No. 12 South

Range No. 13 W.

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 10th 1882

Survey completed " 16th 1882

7

raised mound of stones alongside as per regulation.

5

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Township 12 S. R. 13 W.

	201	200	199	198	197	196	
194	6	5	4	3	2	1	186
193	7	8	9	10	11	12	185
192	18	17	16	15	14	13	184
191	19	20	21	22	23	24	183
190	30	29	28	27	26	25	182
189	31	32	33	34	35	36	181

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NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	Chainman.
Horace D. Ensign	Chainman.
	Chainman.
	Chainman.
L. L. Kendell	Axeman.
	Axeman.
Fidelis A. Abbach	Flagman.

Commenced June 10th 1882.

From the Corner to Township 12 and 13 S. Ranges 12 and 13 W. established by me I run North bet. secs. 31 and 36 by observation I find my Solar Compass correct, showing a Variation of 16° 32 E.

40.00 set a limestone 12×9×8 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones alongside as per regula.

47.50 Wash 80 lks wide drain W.

80.00 set a limestone 16×5×5 ins. 10 ins. in ground for cor. to secs. 25. 30. 31 and 36 marked 5 notches on N and 1 on S. edges, dug pits and raised mound of stones alongside as per regulation.

207 182

Chains	Land level, sandy soil 3rd rate sagebrush, brushwood.
	North bet. secs. 25 and 30 Var. 16° 32' E.
10.10	Dry Creek 10 lks wide 2 ft. deep trains W.
34.00	Dry Creek 40 lks wide 3' deep trains W.
40.00	Set a limestone 12 x 12 x 10 ins 8 ins in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits raised mound of rocks alongside as per regulation
80.00	Set a limestone 18 x 12 x 4 ins 12 ins. in ground for cor. to secs. 19. 24. 25. and 30 marked 4 notches on N. and 2 notches on S. edges dug pits raised mound of stones and earth alongside as per regulation.
	Land level sandy,

Exist. Bounds of T 12 S. R. 13 W.

Chains	greasewood & sagebrush
	North bet. secs. 19 and 24
	Var. 16°32' E.
40.00	set a limestone 12×6×6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones and earth alongside as per regulation
80.00	set a limestone 20×12×5 ins. 12 ins. in ground for cor. to secs. 13. 18. 19 and 24 marked 3 notches on N. and S. edges dug pits and raised mound of stones alongside, as per regulation
	Land level, sandy, soil 3d rate, Evergreens some bunchgrass.

209 184

Chains	North bet. secs. 13 and 18
	Var. 16° 32′ E.
39.80	Dry Creek 8 lks. wide drains W.
40.00	set a limestone 12×10×9 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face Dug pits as per regulation raised mound of earth alongside
65.00	Dry Creek 25 lks wide 4 ft. deep drains W.
73.00	Dry Creek 80 lks. wide drains W.
75.00	Dry Creek 20 lks. wide drains S. W.
80.00	set a limestone 20×15×6 ins. 12 ins in ground for cor. to sec. 7. 12. 13 and 18 marked 2 notches on N. 4 on South edges Dug pits raised mound of earth alongside, as per regulation Land sandy, soil 3d rate, Evergreens, bunchgrass.

East Gunnison Ma. R. 179

Chains	North bet. secs. 7 and 12 Var. 16°32' E.
27.50	Dry Creek 20 lks wide 3 ft. deep drains W.
40.00	set a limestone 12×9×9 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, dug pits raised mound of earth alongside. as per regulation
44.00	Dry Creek 40 lks. wide drains W.
78.00	Enter Wash drains West
79.50	leave Wash.
80.00	Set a limestone 19×12×9 ins. 12 ins. in ground for cor. to secs. 1. 6. 7 and 12 marked 1 not ok on N 5 on S. edges dug pits and raised mound of earth alongside. as per regulation. Land Level, Soil sandy, sagebrush & bunchgrass

186

East Boundary T. 12 S. R. 13 W.

Chains	North bet. secs. 1 and 6
	Var. 16° 32' E.
14.50	Dry Creek 15 lks wide 6 feet deep drains W.
28.50	Dry Creek 40 lks wide 8 feet deep drains W.
40.00	Set a limestone 16×9×8 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones alongside. as per regula.
59.00	Old road bears N E. & S. W. and foot of Mountain. E & W.
80.00	set a limestone 12×12×12 ins. 8 ins. in ground for cor. to T. 11 and 12 S. R. 12 and 13 W. marked 6 notches N. S. E. and W. dug pits and raised mound of stones 4×4×4 feet alongside. as per regulation Land rolling, last 21 ch.

Land level sandy,

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East Boundary T. 12 S. R. 13 W.

mountainous, soil sandy and rocky, say much some Cedars.

June 10th 1882

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Exteriors T. 12 S. R. 13 W. 213

West Boundary.

Commenced June 13th 1882.

Chains	
	From the Cor. to Tps. 12 & 13 S., R. 13 & 14 W. a limestone 12 x 8 x 6 ins. marked 6 notches N. S. E. & W. with regulation mound and pits. I run North bet. secs. 31 and 36
	Var. 16° 32' E.
10.00	Dry Creek 6 lks. wide 2 ft. deep Trains E.
40.00	set a limestone 9 x 8 x 6 ins. 6 in. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits.
80.00	set a limestone 12 x 9 x 6 ins. 8 ins. in ground for cor. to secs. 25, 30, 31 & 36 marked 5 notches on N. 1 notch on S. edges with regulation mound and pits.

Exteriors T. 12 S. R. 13 W.

West Boundary.

E	Chains	
		Land level, sandy, soil 2nd rate, salt grass.
1		
		North bet. secs. 25 and 30 Var. 16° 32' E.
2		
	35.50	Road bears E & W. set
4		post 2 ft. long 4 inchs. wide 1 in. thick marked W. P.
	40.00	set a limestone 9 x 8 x 6 ins. 6 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with
5		regulation mound & pits.
80	80.00	Deposited a marked stone 12 ins. in ground for cor. to secs. 19. 24. 25 & 30 Dug pits 18 x 18 x 12 in each sec. 5 1/2 ft. Dist and raised mound of earth 2 ft. high 4 1/2 ft. base over it. In S. E pit Drove stake 2 ft. long 2 ins. square

Land level, sandy,

Exteriors 12 S. R. 13 W.

West Boundary.

Chains	
	12 ins in ground with requisite marks. *
	Land level, Alkali, Evergreen, Salt grass.
	Cains Springs bears N 72° W. about 1/2 mile
	North bet. secs. 19 and 24
	Var. 16° 32' E.
30.00	Slough 80 lks. wide dr. S. E.
40.00	deposited marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound and pits, drove stake in ~~S. E.~~ N. pit with requisite marks.
41.00	Slough 15 lks. wide dr. W.
80.00	deposited a marked stone 12 ins. in ground for cor. to secs. 13. 18. 19 & 24 made regulation mound & pits drove stake in S. E. pit, with

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Exteriors T. 12 S. 192 R. 13 W.

West Boundary.

E	Chain.	requisite marks,
1		Land level, Alkali, 2nd rate, saltgrass.
2		North bet. secs. 13 and 18
		Var. 16° 32' E.
4	40.00	Deposited a marked stone 12 ins. in ground, for 1/4 sec. cor. made regulation mound and pits drove stake in N. pit, marked 1/4 on W. face,
5	80.00	Deposited a marked stone 12 ins. in ground, for cor. to secs. 7. 12. 13 & 18 made regulation mound & pits drove stake in S. E. pit with requisite marks.
8		Land level, Alkali 2nd rate, greasewood & Saltgrass.

Esteriro T. 12 S. R. 13 W.

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West Boundary.

Chains	North bet. secs. 7 and 12 Var. 16° 32' E.
18.50	Slough 160 lks. wide trains S. W.
40.00	Deposited a marked stone 12 ins in ground for 1/4 sec. cor. made regulation mound and pits drove stake in S. E., N. pit with requisite mark.
80.00	Deposited a marked stone 12 ins. in ground for cor. to secs. 1. 6. 7 and 12 made regulation mound and pits, drove stake in S. E. pit with requisite marks.

Land level, soil 2nd rate, Alkali, salt grass.

Esteriero T. 194 1/2 S. R. 13 W.

218

West Boundary.

	Chains	North bet. secs. 1 and 6
		Dep. 16° 32' W.
	40.00	Deposited marked stone
1		12 ins in ground for 1/4 sec. cor.,
		made regulation mound & pits
2		Drove stake in N. pit marked
		1/4 on W. face.
4	80.00	Deposited marked stone
		12 ins. in the ground for
		Cor. to Townships 11 and 12 S.
		R. 13 and 14 W, made re-
		gulation mound and pits, drove
5		stake in S. pit with re-
8		quisite marks,
		Land level, Alkali
		sagebrush, salt grass.
		June 13th 82

Exteriors T. 12 S. R. 13 W.

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North Boundary

Commenced June 15th 1882

From the Corner to townships 11 and 12 S. R. 13 and 14 W. I run East on a random line between said townships, the variation of my compass by ~~varia~~ observation with the North Star being 16° 32' E. I set temporary half mile and mile cor. at each 40 and 80 chains and find the township line to be 5 miles 78 ch. 80 lks and the falling to be 75 lks. north of the cor. to T. 11 and 12 S. R. 12 and 13 W. The correction for the true line will therefore be 12½ lks S. and 1 ch. 30 lks. West per mile, and its course will be N. 89° 55' W.

220 Exteriors T. 196 12 S. R. 13 W.

North Boundary

Chains	From the Cor. to Tps. 11 and 12 S. R. 12 and 13 W.
	a limestone 12×12×12 ins. marked 6 notches N. S. E. & W. with regulation mound & pits
	Drain
	N 89° 55' W. on a true line bet. secs. 1 and 36
	Var. 16° 32' E.
4.00	Dry Creek 20 lks. wide Dr. S.
16.50	Dry Creek 20 lks. wide Dr. S.
35.00	top of ridge bears N. & S.
40.00	set a limestone 22×14×8 ins. 14 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face raised mound of stones alongside pits impracticable.
48.00	Dry Creek 20 lks. wide Dr. S.
62.50	limestone ridge bears N. & S.
80.00	Set a limestone 18×12×6 ins.

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Exteriors T. 12 S. R. 13 W.

North Boundary

1	Drains	in mound of stones for cor. to
		secs. 1, 2, 35 and 36 marked
s.		5 notches on W. 1 on E. edges
W.		raised mound of stones alongside
pits		pits impracticable.
		Land mountainous, rocky
line		some scrub cedars, sagebrush.
		on 80.00 chs
		N 89° 55' W. on a true
S.		line bet. secs. 2 and 35
S.		Var. 16° 32' E.
S.	2.50	gulch drains S.W.
ins.	39.50	dry creek 20 lks. wide 4 ft.
c. cor.		deep drains N.W.
raised	40.00	set a limestone 12×9×8 ins
de		in mound of stones, marked
		1/4 on N. face for 1/4 sec. cor.
r. S.		raised mound of stones along-
& S.		side pits impracticable.
6 ins.	40.50	dry creek 25 lks. wide dr. N.W.

Exteriors T. 12 S. R. 13 W. 198

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North Boundary

	Chains	
	41.00	Dry Creek 25 lks. wide Dr. S.W. Ch
	72.50	Wagon road bears N. & S. 57
1		set a limestone 12×9×8 marked W.M. .80
2	80.00	set a limestone 16×9×6 ins. 10 ins. in ground for cor. to secs. 2. 3. 34 and 35 marked 4 notches on W. 2 notches on E. edges with regulation mound and pits.
4		Land mountainous, rocky
5		sagebrush, brushwood. on 8000
8		
		N 89° 55' W. on a true line bet. secs. 3 and 34.
		Var. 16° 32' E
	40.00	Deposited a marked stone 12 ins. in the ground for 1/4 sec. cor. made regulation mound & pits, drove stake in E. pit

Exteriors T. 12 S. R. 13 W.

North Boundary

S. W.	Chains	marked 1/4 S. on N. face
S.	57.00	leave Deuchland, enter flat
	80.00	deposited a marked stone 12 ins. in ground for cor. to secs. 3. 4. 33 and 34 made regulation mound and pits drove a stake in S. E. pit with requisite marks. 57 chains Mountainous, rests level, Soil 2nd and 3d rate, sagebrush & bunchgrass on 8000 cks
		N. 89°55' W. on a true line bet. secs. 4 and 33 Var. 16°32' E.
	40.00	deposited a marked stone 12 ins. in the ground for 1/4 sec. cor. made regulation mound & pits drove stake

Geteriors T. 12 S. R. 13 W.

North Boundary.

Chains	
	in E. pit, marked 1/4 S. on N. face.
80.00	Deposited a marked stone 12 ins. in ground for cor. to secs. 4. 5. 32. 33 made regulation mound and pits drove a stake in S. E. pit with requisite marks.
	Land level, Alkali Evergreen. salt grass.
	N 89° 55' W. on a true line bet. secs. 5 and 32
	Var. 16° 32' E.
37.00	Slough 20 lks. wide Dr. N.
40.00	Deposited a marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound and pits drove stake in E. pit, marked 1/4 S. on North face

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Exterior T. 12 S. R. 13 W.

North Boundary

chains	
42.50	Slough 28 lks. wide Dr. N.E.
80.00	Deposited a marked stone 12 ins. in ground for cor. to secs. 5, 6, 31 and 32 made regulation mound and pits Drove a stake in S. E. pit with requisite marks. Land level, Alkali, some greasewood.
	N. 89° 55' W. on a true line bet. secs. 6 and 31 Var. 16° 32' E.
40.00	Deposited a marked stone 12 ins. in ground for 1/4 sec. cor. made regulation mound and pits, Drove stake in E. pit, marked 1/4 S. on North face
8.80	the Cor. to T. 11 and 12 S.

Exteriors T. 12 S. R. 13 W.
202
226
North Boundary

R. 13 and 14 W.
Land level
soil Alkali, 2nd rate
June 15th 82

General Description
This township is mostly level, the North western part is Alkali ground The South western part is covered with Salt grass soil 1st and 2nd rate, The eastern half is sandy, covered with sage brush and bunchgrass.

Ferdinand Dicker
U. S. Dep. Surveyor.

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the West and South boundaries

Township No. 12 S. *Range No.* 13 South

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert

Under his *contract No.* 108

of the 16th *day of* May 1882,

in the month of June 1882,

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

Frd Salomon

U. S. Surveyor General for Utah.

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Township 13 S. R. 13 W.

	221	220	219	218	218	217	
214	6	5	4	3	2	1	208
213	7	8	9	10	11	12	207
212	18	17	16	15	14	13	206
211	19	20	21	22	23	24	205
210	30	29	28	27	26	25	204
209	31	32	33	34	35	36	203

229 NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	Chainman.
Horace D. Emrich	Chainman.
	Chainman.
	Chainman.
C. L. Kendall	Axeman.
	Axeman.
Frederick A. Kilbach	Flagman.

East Boundary T. 13 S. R. 13 W.

Chains.	Commenced June 10th 1882 From Cor. to T. 13 & 14 S. R. 12 and 13 W. I run North bet. secs. 31 and 36
	Var. 16° 32' E.
30.00	Wash 24 lks. wide drains West
37.00	Wash 50 lks. wide drains West
40.00	Set a limestone 12 × 9 × 6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of earth alongside as per regulation.
43.15	Dry Creek 10 lks. wide 3' deep dr. W.
51.50	Dry Creek 30 lks. wide 10' deep dr. W.
58.00	Dry Creek 40 lks. wide drains W. [illegible]
80.00	Set a porphyry 19 × 12 × 9 ins. 12 ins. in ground for cor. to secs. 25. 30. 31 and 36 marked 5 notches on N. and 1 on S. edges.

East Dominion of T. 13 S. R. 13 W.

Chains.	
	Dug pits and raised mound of stones alongside as per regula. Land rolling, soil sandy 3d rate, sagebrush.
	North bet. secs. 25 and 30 Var. 16° 32' E.
10.00	to point Var. 19° E.
25.00	foot of ridge bears E & W.
40.00	set a porphyr stone 12×9×9 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones alongside as per regula. Var. 16° 32' E.
80.00	set a Porphyr stone 12×8×6 ins. 8 ins. in ground for cor. to secs. 19. 24. 25 and 30 marked 4 notches on N and 2 on S. edges raised mound of

East Boundary of 13 S. R. 19 W. Ea

	Chains	stones alongside as per regulation pits impracticable.	Chai
		Land first 25 chains ~~mountain~~ rolling rest ~~rolling~~ mountainous soil 3d rate sagebrush, bunchgrass etc	
		North bet. secs, 19 and 24 Var. 16° 32' E.	
		line runs along top of black ridge.	
	31.00	leave top	
43	40.00	set porphyr stone 22×9×9 in	14.0
51.		14 ins. in ground for 1/4 sec. cor	40.
58		marked 1/4 on W. face in mound of stones as per regulation pits impracticable.	
80			
	55.00	foot of Black Ridge bears N E & S. W.	78.
	68.75	Old Road bears N W & S. E.	
	80.00	Set a limestone 22×12×9 ins	80.

East Boundary T. 13 S. R. 13 W.

Chains	14 ins in ground for cor. to secs. 13. 18. 19 and 24 marked 3 notches on N. and S. edges Dug pits raised mound of earth alongside, as per regula. Land first 55 chains mountainous rest rolling soil rocky and sandy. Sagebrush, on 80.00 chs North bet. secs. 13 and 18 Var. 16° 32' E.
14.00	Wash 120 lks wide drains N.W.
40.00	set a limestone 15×12×9 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face Dug pits raised mound of earth alongside as per regulation
78.30	Dry Creek 28 lks. wide 4 ft. deep drains W.
80.00	Set a limestone 20×18×4 ins.

234 207

East Boundary T 13 S. R 139 W

Chains	12 ins. in ground marked 2 notches on N and 4 on S. edges. Dug pits and raised mound of earth alongside, as per regulation Land level, soil sandy Sagebrush, bunchgrass.	Cha
	North bet. secs. 7 and 12 Var. 16° 32'	
2.00	Wash 80 lks. wide drains W.	
30.50	Wash 50 lks wide 4 ft. deep drains N. W.	
40.00	Set a Porphyr stone 26×18×5 ins. 16 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face Dug pits and raised mound of stones alongside as per regul	21.0 40.0
73.50	Wash 18 lks wide 3 1/2 ft. deep drains W.	45.7
80.00	Set a limestone 16×6×5 ins 10 ins in ground for cor. to	57.5 71.0

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Cont Boundary T. 13 S. R. 13 W.

	secs. 1. 6. 7 and 12 marked 1 notch on N. and 5 on S. edges dug pits and raised mound of earth alongside as per regulation. Land level, soil sandy 3d rate, sagebrush and bunch grass.
	North bet. secs. 1 and 6 Var. 16° 32' E.
21.00	Dry Creek 25 lks. wide 3' deep dr. W.
40.00	set a limestone 14 x 6 x 6 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of earth alongside as per regulation.
45.75	Wash 60 lks. wide trains W.
57.50	Wash 20 lks. wide trains W.
71.00	Wash 40 lks. wide trains W.

Cont Boundary T. 13 S. R. 13 W.

Chains	
80.00	Set a limestone 18 x 9 x 9 ins. 12 ins. in ground for cor. to T. 12 and 13 S. R. 12 and 13 W. marked 6 notches N. S. E. & W. Dug pits and raised mound of earth alongside, as per ~~instru~~ regulation.
	Land, low rolling, soil 3rd rate. ~~Land~~ Sagebrush some scattered cedars.
	June 10th 1882.

Chains

40.0

80.0

43

51

58

80

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Ex Exteriors T 13 S, R. 13 W.

West Boundary

Commenced June 12 1892

Chains	
	From the Corner to townships 13 & 14 S, R. 13 and 14 W, a limestone 24x20x12 as described before. I run North bet. secs. 31 and 36 Var. 16° 32' E, by observation with the North Star.
40.00	set a limestone 18x12x8 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
80.00	set a limestone 15x12x6 ins 10 ins. in ground for cor. to secs. 25. 30. 31 and 36 marked 5 notches on N. one notch on S. edges with regulation mound and pits. Land rolling, sandy, soil 2nd rate, sagebrush bunch grass.

Exteriors T. 13 S. R. 13 W.

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West Boundary

Chains	
	North bet. secs. 25 and 30
	Var. 16° 32' E.
36.50	Wash 10 lks. wide drains E.
40.00	set a limestone 16 × 8 × 6 ins
	10 ins in ground for 1/4 sec. cor.
	marked 1/4 on W. face with
	regulation mound & pits.
72.00	Wash 45 lks. wide 3' deep
	drains East.
80.00	set a limestone 16 × 12 × 5 ins
	10 ins in ground for cor. to sec
	19. 24. 25 & 30 marked 4 not
	on N. and 2 on S. edges with
	regulation mound & pits.
	Land rolling, sandy
	soil 2nd rate, sagebrush
	bunchgrass.
	North bet. secs. 19 and 24
	Var. 16° 32' E.

West Boundary

Chains	
40.00	set a limestone 16×12×9 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
80.00	set a limestone 19×12×9 ins. 12 ins. in ground for cor. to secs. 13, 18, 19 & 24 marked 3 notches on N. and 3 on S. edges with regulation mound & pits Land rolling, rocky 2nd and 3d rate, sage-brush, bunchgrass.
	North bet. secs. 13 and 18 Var. 16° 32' E.
40.00	set a limestone 12×12×9 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face

Exteriors T. 13 S. R. 13 W. 213

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West Boundary.

Chains	with regulation mound and pits.
47.00	Dry Creek 10 lks. wide 4 ft. deep drains E.
80.00	set a limestone 22×12×5 ins. 14 ins. in ground for cor. to secs. 7. 12. 13 and 18 marked 2 notches on N. 4 notches on S. edges with regulation mound and pits.
	Benchland, rocky and 2nd rate, sagebrush
	North bet. secs. 7 and 12
	Var. 16° 32' E.
40.00	set a limestone 12×12×10 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
57.00	Wash 40 lks wide 4 ft deep E.

Exteriors T. 13 S. R. 13 W.

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West Boundary.

Chains	
64.00	Wash 30 lks. wide 6 ft. deep drains E.
80.00	set a limestone 18×12×9 ins, 12 ins. in ground for cor. to secs. 1. 6. 7 and 12 marked 1 notch on N. 5 notches on S. edges, dug pits and raised mound of stones alongside.
	Benchland, soil 3d rate sagebrush, bunchgrass on steep high Mountains 3/4 miles West.
	North bet. secs. 1 and 6 Var. 16° 32' E.
5.50	Wash 20 lks. wide 8 ft. deep drains E.
8.00	Wash 20 lks. wide 8' deep dr. E.
20.50	Wash 20 lks. wide 6' deep dr. E.

Exteriors T. 13 S. R. 13 W. 213

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West Boundary.

Chains	
40.00	set a limestone 18×12×6 ins. 12 ins in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
41.00	Dry Creek 70 lks. wide Dr. N. E.
50.50	Dry Creek 60 lks. wide Dr. N. E.
59.50	Dry Creek 10 lks. wide Dr. N. E.
70.90	Road from Fish Springs to Detroit Mines S. E. & N. W.
79.50	Dry Creek 5 lks. wide Dr. N. W.
80.00	set a limestone 12×8×6 ins. 8 ins. in ground for Cor. to Townships 12 and 13 S. R. 13 and 14 W. marked 6 notches N. S. E. & W. Dug pits 24×18×12 ins. N. S. E. & W. of stone 5 1/2 ft. dist. raised mound of rocks. 4×3×3 ft. alongside.

4 S S

Benchland, rocky, soil 3rd rate, sagebrush greasewood.

June 12th 82

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Exteriors T. 13 S. R. 13 W.

~~W~~ North Boundary.

Chains.

From the Cor. to Tps. 12 & 13 S. R. 13 & 14 W. I run East on a random line bet. said Townships, the var. of my Compass being 16° 32' E. I set temporary half mile and mile corners at each 40 and 80 chains and find the township line to be 5 miles 78 ch. 60 lks. and the falling to be 66 lks. north of the Cor. to Township 12 & 13 S, R. 12 and 13 W. The correction for the true line will therefore be 11 lks south and 1 ch. 40 lks. west per mile, and its course will be N. 89° 55' W.

From the Cor. to Tps. 12 & 13 S, R. 12 & 13 W. which is a line-

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Exteriors T. 13 S. R. 13 W.

244

North Boundary

Chains	stone 16×9×9 ins marked 6 notches N. S. E & W. with regulation mound & pits I run N 89° 55' W. on a true line bet. secs. 1 and 36. Var. 16° 32' E.
40,00	set a limestone 16×9×9 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.
80,00	set a limestone 12×10×6 ins. 8 ins. in ground for cor. to secs. 1. 2. 35 & 36 marked 5 notches on W. 1 notch on E. edges with regulation mound & pits.
	Land level soil 2nd rate, sagebrush, Evergreen, grassland.

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Exteriors T. 13 S. R. 13 W.

North Boundary

Chains	
	N. 89° 55' W. on a true line bet. secs. 2 and 35 Var. 16° 32' E.
40.00	set a limestone 16×9×9 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, with regulation mound & pits.
80.00	set a limestone 18×12×9 ins. 12 ins. in ground for cor. to secs. 2. 3. 34 and 35 marked 4 notches on W. 2 on E. edges with regulation mound & pits.
	Land level, soil 2nd rate, sagebrush, Evergreen and grassland.
	N. 89° 55' W. on a true line bet. secs. 3 and 34 Var. 16° 32' E.

Exteriors T. 13 S. R. 13 W. 219

246

North Boundary

Chains	
40.00	set a limestone 12×8×8 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.
80.00	set a limestone 12×12×8 ins. 8 ins. in ground for cor. to secs. 3, 4, 33 and 34 marked 3 notches on W. and 3 on E. edges with regulation mound and pits.
	Land rolling, sandy, soil 2nd and 3d rate, sage-brush, bunchgrass.
	N. 89° 55' W. on a true line bet. secs. 4 and 33
	Var. 16° 32' E.
40.00	set a limestone 16×9×8 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face

Exteriors T. 13 S. R. 13 W.

North Boundary.

Chains	
	with regulation mound and pits
58.00	~~Old~~ road bears N.W. & S.E.
80.00	set a limestone 19×12×8 ins. 12 ins. in ground for cor. to secs. 4. 5. 32 and 33 marked 2 notches on W. 4 notches on E. edges with regulation mound & pits Land level, soil 2nd rate, saltgrass, greasewood.
	N. 89° 55' W. on a true line bet. secs. 5 and 32 Var. 16° 32' E.
16.00	Dry Creek 30 lks. wide 4 ft. deep drains South.
40.00	set a limestone 12×9×6 ins 8 ins in ground for 1/4 sec. cor.

Exteriors T. 22 13 S. R. 13 W.

248 North Boundary.

Chains	marked 1/4 on N. face with regulation mound & pits.
41.50	Dry Creek 4 lks. wide dr. S.W.
80.00	set a limestone 14 x 8 x 6 ins. 9 ins. in ground for cor. to secs. 5. 6. 31 and 32 marked 1 notch on W. 5 notches on E. edges with regulation mound & pit. Land level, soil 2nd rate. Evergreen, salt grass.
	N. 89° 55' W. on a true line bet. secs. 6 and 31.
	Var. 16° 32' E.
40.00	set a limestone 12 x 6 x 6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.
78.60	the cor. to Tps. 12 & 13 S., R. 13 and 14 W.

June 12th 82

BOOK-A-179

General Description

The land in this Township is mostly level and sandy, soil 2nd rate covered with Grease=wood, Sagebrush and Salt=grass.

No Timber or Mineral indications.

Unfit for cultivation

Ferdinand Dickert.
U.S. Dep. Surveyor.

BOOK-A-179

U. S. SURVEYOR GENERAL'S OFFICE,

250

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the East West and North boundaries

Township No. 13 South Range No. 13 West of the Salt Lake Meridian, Utah Territory, Executed by Ferdinand Dickert Under his contract No 104 of the 16th day of May 1882, in the month of June 1882, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby aproved.

Geo Salomon

U. S. Surveyor General for Utah.

BOOK-A-179

REPORT: 1883

Filed 188

251

Examined by

Compared by Ed. Michaelis & L. M. Hickok

FIELD NOTES

OF THE SURVEY OF THE

Fractional

South & North boundaries

OF

Township No. 13 South.

Range No. 14 West.

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 9th 1882

Survey completed " 13th 1882

6

BOOK-A-179

Township 13 S. R. 13 W.

	221	220	219	218	218	217	
214	6	5	4	3	2	1	208
213	7	8	9	10	11	12	207
212	18	17	16	15	14	13	206
211	19	20	21	22	23	24	205
210	30	29	28	27	26	25	204
209	31	32	33	34	35	36	203

 NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel A. Moritz	*Chainman.*
Horace D. Emrich	*Chainman.*
	Chainman.
	Chainman.
C. L. Kendall	*Axeman.*
	Axeman.
Fred'k A. Ribbach	*Flagman.*

BOOK-A-179

Ex Exteriors T. 13 S. R. 14 W.

South Boundary

Commenced June 9th /82

Chains	From the Cor. to Tps. 13 and 14 S. R. 13 & 14 W. a limestone 24×20×12 ins marked 6 notches N. S. E. W. with regulation mound and pits I run West on a true line bet. secs. 1 and 36
	Var. 16°32' E.
17.00	Dry Creek 10 lks wide 4 ft deep Trans N.
40.00	set limestone 12×6×6 ins 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits, foot of Mountain N. S.
80.00	set limestone 16×9×8 ins. in mound of stones for cor. to secs. 1. 2. 35 and 36 marked 5 notches on W. 1 notch on E.

254 Exteriors T. 13 S. R. 14 W. 224

~~Sabd~~ South Boundary

Chains		BOO
	edges, raised mound of stones alongside, pits impractical. Land first half level soil 2nd rate rest mountainous, rocky.	Ch
	West bet. secs 2. and 35 Var. 16°32' E.	
18.00	dry Creek 8 lks. wide 2' deep drains North	9. 16
40.00	set a limestone 9×9×5 ins 6 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.	40
68.50	dry Creek 50 lks. wide drains S. E.	78.
80.00	set a limestone 15×10×6 ins. 10 ins. in ground for cor. to secs. 2. 3. 34 and 35	80.

Exteriors 2250 T. 13 S. R. 14 W.

255

BOOK-A-179 South Boundary

Chains	marked 4 notches on W. 2 notches on E. edges with regulation mound and pits. Land mountainous, rocky, sagebrush, bunchgrass.
	on 80.00 chs
	West bet. secs 3 and 34 Var. 16°32' E.
9.00	ridge bears N & S.
16.00	gulch drains N. E.
40.00	set limestone 12×6×6 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on N. face raised mound of stones alongside pits impracticable.
78.00	ridge bears N. & S.
80.00	set a limestone 12×8×6 ins. in mound of stones for cor. to secs. 3, 4, 33 & 34

256

Exteriors T. 13 S. R. 14 W. 226

North South Boundary.

Chains	marked 3 notches on W. and 3 on E. edges raised mound of stones alongside pits impracticable. Land mountainous, rocky, some Cedars, sagebrush, bunchgrass. on 80.00 dis
	West bet. secs. 4 and 33 Var. 16° 32' E.
7.00	precipice 80 ft high bears N & S.
25.50	precipice 60 ft. high bears N. & S.
40.00	set limestone 12×12×3 ins in mound of stones marked for 1/4 sec. cor. marked 1/4 on N. face raised mound of stones alongside, pits impracticable.

BOOK-A-179

Exterior T. 13 S. R. 14 W.

South Boundary

Line further West impracticable on account of broken, rocky gulches.

Land mountainous, rocky. on two chs

June 9th 82

228

Exteriors T. 13 S. R. 14 W.

North Boundary.

Ch Chains	
	From the Corner to townships 12 and 13 S. R. 13 and 14 W. a limestone 12×8×6 marked 6 notches N. S. E & W. with 4 pits and mound of rocks 4×3×3 ft. alongside I run
	West on a true line bet. secs 1 and 36
	Var. 16° 32' E.
7 · 6.25	Road from Fish Springs to Detroit mines bears
2	N. & S. set limestone 12×12×6 marked W M.
4 40.00	set a limestone 14×12×8 ins, 9 ins in ground for 1/4 secs. cor. marked 1/4 on N. face with regulation mound and pits.
45.50	Dry Creek 6 lks. wide 4 ft.

Exteriors T. 13 S. R. 14 W.

North Boundary.

Chains	
	Deep drains N E.
57.50	Dry Creek 3 lks. wide 1 ft.
	Deep drains N E.
80.00	set a limestone 18×10×10
	ins. in mound of stones
	for cor. to secs. 1, 2, 35 & 36
	marked 5 notches on W.
	1 notch on E. edges
	raised mound of stones
	alongside pits impracticable.
	on foot of Mountain.
	bears N. & S.
	Land nearly level
	soil rocky, 3d rate.
	West on a true line
	bet. secs 2 and 35
	Var. 16° 32′ E
12.00	~~bed~~ ridge bears N & S.
40.00	set limestone 16×12×9

in mound of stones ~~mark~~
for 1/4 secs. cor. marked 1/4
on N. face raised mound
of stones alongside, pits
impracticable.
Land mountainous,
rocky on 4000 chs

June 13th 82

General Description
The land in this fractional
township is benchland
soil 3d rate, covered
with, sagebrush, Unfit
for cultivation

Ferdinand Dickert
U. S. Dep. Surveyor.

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882.

The foregoing field notes of the survey of the Fractional South and North boundaries Township No. 13 South Range No. 14 W of the Salt Lake Meridian, Utah Territory, Executed by Ferd. Dickert Under his contract No. 108 of the 16th day of May 1882, in the month of June 1882, having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby aproved.

Fred Salomon
U. S. Surveyor General for Utah.

BOOK-A-179

REPORT: 1883

262

Filed 188

Examined by

Compared by Ed. Michaelis & L. W. Shickel

FIELD NOTES

OF THE SURVEY OF THE

South, East and North boundaries

OF

Township No. 14 South

Range No. 11 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 4th 1882

Survey completed " 6th 1882

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BOOK-A-179

Township 14 S. **R.** 11 W.

252	251	250	249	248	247	
6	5	4	3	2	1	244
7	8	9	10	11	12	243
18	17	16	15	14	13	242
19	20	21	22	23	24	241
30	29	28	27	26	25	240
31	32	33	34	35	36	239
231	232	233	234	235	237	

263 NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	Chainman.
Horace D. Emigh	Chainman.
	Chainman.
	Chainman.
C. L. Kendell	Axeman.
	Axeman.
Fridolf A. Ribbach	Flagman.

Exteriors T. 14 S. R. 11 W. 281

BOOK-A-179 264

South Boundary.

Commenced June 4th 1882

Chains	From the established Cor. to Townships 14 and 15 S. R. 11 and 12 W. a Granite 22 x 12 x 12 ins. marked 6 notches N. S. E. & W. and mound & pits
	I run East on a true line bet. secs. 6 and 31.
	I found Variation by observation 16° 35' E. allowing for convergency of Meridians.
39.38	set a black limestone 19 x 14 x 9 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, with regulation mound and pits
68.50	enter Wash drains N. W.
72.00	leave same
75.00	top of Trachyte ridge N. S.
79.38	set a Trachyte 18 x 12 x 12 ins. in mound of rocks for cor. to secs. 5. 6. 31 and 32 marked

265 282

Exteriors T. 14 S. R. 11 W.

265 South Boundary.

Chains	1 notch on W. and 5 on E. edges with regulation mound of rocks pits impracticable. Land mountainous, rock sagebrush and bunchgrass.	Chan
	7938 chs	
	Cont on a true line bet. secs. 5 and 32. Var. 16° 35' E.	
4.00	Wash 40 lks. wide Dr. N. W.	
24.50	Road to Detroit Mines bears N E. and S. W. set trachyte 12×6×6 marked W. and mound of rocks,	40.
40.00	set a Trachyte 12×12×6 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face, with regulation mound and pit	55. 80.
80.00	set a Porphyr 19×12×8 ins. 12 ins. in ground for cor. to	

Exteriors T. 14 S. R. 11 W.

South Boundary

Chains	secs. 4. 5. 32 and 33 marked 2 notches on W. and 4 on E. edges with regulation mound and pits.
	Land mountainous, soil 3d rate, sagebrush, some bunchgrass. in 8000 cks
	Cont on a true line bet sec. 4 and 33
	Var. 16° 35' E.
40.00	set a limestone 14 × 8 × 6 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
55.00	Dry Creek 60 lks. wide 3' deep drains N. W.
80.00	set a Porphyr 15 × 5 × 5 ins. 10 ins. in ground for cor. to secs. 3. 4. 33 and 34 marked

Exteriors T. 14 S. R. 11 W. 334

South Boundary.

Chains		Chains
	3 notches on W. and 3 on E. edge with regulation mound & pits	
	Land mountainous, rock, sagebrush, greasewood	
x	bunchgrass. on 80.00 chs	
	Cont on a true line bet. secs. 3 and 34	
	Var. 16° 35' E.	
5.00	Dry Creek 12 lks. wide S. W.	
10.50	" " 14 lks. wide N. W.	
15.50	" " 16 lks. wide S. W.	
40.00	Set a Porphyr 12 × 8 × 8 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.	8.50 21.80 29.00
53.00	Dry Creek 8 lks. wide S. W.	
54.50	Old road bears N. W & S.	30.30
80.00	Set a Porphyr 16 × 9 × 6 ins. in mound of rocks for cor. to	35.00 10.00

Exteriors T. 14 S. R. 11 W.
BOOK-A-179 268
South Boundary.

Chains	secs. 2. 3. 34 and 35. marked 4 notches on W. and 2 on E. edges raised mound of stones alongside pits impracticable. on top of ridge bears N. & S. Land mountainous, rocky, sagebrush, some Cedars and bunchgrass in
	8000 chs
	Cut on a true line bet. secs. 2 and 35.
	Var. 16° 35' E.
8.50	Dry Creek 20 lks. wide dr. S.
21.80	Road to Detroit Mines bears S. and N. E.
29.00	Old Sheep Corral bears North 2 chains.
30.30	Old road bears N. & S.
35.00	gulch drains S. W.
40.00	set a limestone 20 x 12 x 12 ins.

Exteriors T. 14 S. R. 11. W. 236

South Boundary.

Chains	12 ins. in ground for 1/4 sec. c[illegible]
	marked 1/4 on N. face ~~[illegible]~~
	with regulation mound [illegible]
	pits.
	mouth of a tunnel bears [illegible]
	about 1/4 mile.
61.00	top of high ridge N. & S.
65.00	gulch drains South
68.50	top of ridge bears E & W.
71.00	gulch drains S. W.
77.50	top of ridge bears N. & S.
80.00	set a limestone 19×12×8 in[illegible]
	in mound of rocks for cor.
	to secs. 1. 2. 35 and 36 marke[illegible]
	5 notches on W. and 1 on E. ed[illegible]
	raised mound of stones alo[illegible]
	side pits impracticabl[illegible]
	Land mountainous,
	rocky, sage brush some
	Cedars. on 8000 [illegible]

Chains	
	Run on a true line bet. secs. 1 and 36.
	Var. 16° 35' E.
1.50	gulch drains S.W.
9.50	limestone ridge S.W. & N.E.
11.00	gulch drains S.
26.50	top of mountain bears N. & S. set monument 5×4×4 ft. with cedar post 3 ft. high 4×4 ins. marked a notch 4×3×3 feet W M. Altitude 6300 ft.
	Descend.
40.00	set a limestone 16×10×4 ins. 10 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits a cedar 8 in. diam. bears North 10 lks. dist a cedar 14 in. diam. bears E. 100 lks dist. both marked 1/4 S. BT.

Exteriors T. 14 S. R. 11 W. 208

South Boundary.

Chains	
40.50	bottom of gulch and trail bears S. E.
45.00	a Dug out bears S. 22° E. abo 600 feet
55.00	ridge bears N & S.
57.00	gulch drains S.
59.00	ridge bears N & S.
68.00	gulch drains S.
73.25	ridge bears N. & S.
80.00	set a limestone 19 x 12 x 8 12 ins. in ground for Cor. to Townships 14 and 15 S. R. 10 and 11 West marked 6 notches N. S. E. and W. with regulation mound and pits in gulch drains North. Land mountainous, rocky Sagebrush, bunch grass some Cedars in 80 [illegible]

June 4th 82

BOOK-A-179

Exteriors T. 14 S. R. 11 W.

East Boundary

Chains	From the Cor. to Township 14 and 15 S. R. 10 and 11 W. I run North bet. secs. 31 & 36 Var. 16°35' E.
	ascend
24.00	top of ridge bears E & W.
26.00	gulch drains East.
40.00	set a limestone 14×8×6 ins in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside, pits impracticable.
78.00	top of limestone Mountain bears E & W. Alt. 6300'
	descend
80.00	set a limestone 19×12×12 in. in mound of stones for cor. to secs. 25. 30. 31 and 36 marked 5 notches on W. 1 on S. edges raised mound of stones alongside pits impracticable

Exteriors T. 14 S. R. 11 W. 240

273

East Boundary.

Chains	Land mountainous, rocky, sage brush, some Cedars.
	8000 lbs
	North bet. secs. 25 and 30
	Var. 16° 35' E.
10.00	top of ridge bears E & W.
19.00	head of gulch trains W.
27.00	high ridge bears E & W.
40.00	set a limestone 19×18×12 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones along side pits impracticable on side of ridge
62.00	gulch trains East.
76.00	top of porphyry ridge E & W.
80.00	set a limestone 19×15×14 ins. 12 ins. in ground for cor. to secs. 19, 24, 25 and 30 marked 4 notches on N. 2 on S. edges

Exteriors T. 14 S. R. 11 W.

East Boundary.

Chains	with regulation mound and pits. on foot of ridge Land mountainous, rocky, some Cedars, Iron and Copper croppings.
	North bet. secs. 19 and 24 Var. 16°35' E.
31.70	Road from Detroit Mines to Deseret bears E. & W. set limestone 26×14×12 marked W.M.
40.00	set limestone 18×9×6 ins, 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
50.00	Dry Creek 36 lks. wide S.W.
80.00	set a limestone 18×12×12 ins, 12 ins in ground for cor. to secs.

275 Exteriors T. 14 S., R. 11 W.

East Boundary.

Chains	13, 18, 19 and 24 marked 3 notches on N. and 3 on S. edges with regulation mound and pits.
	Land mountainous, sage-brush, bunchgrass.
	North bet. secs. 13 and 18
	Var. 16° 35' E.
15.00	Foot of mountain bears N. & S.
40.00	set a limestone 16×9×8 ins., 10 ins. in ground for 1/4 sec. cor., marked 1/4 on W. face with regulation mound and pits.
63.50	ridge bears E. & W.
80.00	set a limestone 18×12×12 ins., 12 ins. in ground for cor. to secs. 7, 12, 13 and 18 marked 2 notches on N. and 4 on S. edges with regulation mound

BOOK-A-1/9

Exteriors T. 14 S., R. 11 W.

East Boundary.

Chains	
	and pits
	Land mountainous, rocky, sagebrush, greasewood and bunchgrass.
	North bet. secs. 7 and 12 Var. 16°35' E.
5.00	2nd ridge bears E. & W.
21.50	Dry Creek 12 lks. wide N.W.
40.00	set a limestone 30×12×6 ins., 20 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound and pits.
66.50	Dry Creek 16 lks. wide trains S.W.
80.00	set a limestone 16×9×9 ins. 10 ins. in ground for cor. to secs. 1, 6, 7 and 12 marked 1 notch on N. 5 on S. edges

277 Exteriors T. 14 S., R. 11 W.
East Boundary

Chains	with regulation mound and pits.
	Land mountainous, rocky soil 3d rate, sagebrush and bunchgrass. in 80.00 chs
	North bet. secs. 1 and 6
	Var. 16° 35' E.
13.00	Road to Detroit Mines bears N E & S. W.
30.50	Dry Creek 12 lks. wide N. W.
40.00	set a limestone 16×9×8 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits.
80.00	set a limestone 19×12×8 ins. 12 ins. in ground for cor. to Township 13 and 14 S. R. 10 and 11 W. marked 6 notches N. S. E. & W.

BOOK-A-179

Cont Boundary.

with regulation mound and pits, on Cont side of Mountain bears N & S.

Land Mountainous, rocky, soil 3d rate, sage-brush and bunchgrass, on 8000 chs June 5th 82

279 Esteriors, T. 14 S., R. 11 W.
North Boundary.

From the Cor. to Townships 13 and 14 S., R. 11 and 12 W. I run East on a random line, between said townships, the variation being 16° 35' E. by observation, I set temporary half mile and mile corners at each 40 and 80 chains, and find the township line to be 5 miles 79 ch. 10 lks. long and the falling to be 40 lks. north of the Cor. to Townships 13 and 14 S., R. 10 and 11 W. The correction of the true line will therefore be 6 2/3 lks. south and 90 lks west per mile and its course will be N. 89° 57' W.

Cha
40.0
50.
80.0

BOOK-A-179

Exterior T. 14 S. R. 11 W.

North Boundary.

Chains	From the Cor. to Townships 13 and 14 S. R. 10 and 11 W. as above described I run N. 89° 57' W. bet. secs. 1 and 36 Var. 16° 35' E.
40.00	set a limestone 12 x 9 x 8 ins. 8 ins. in ground for 1/4 sec. cor. marked 1/4 on North face with regulation mound and pits, on top of mountain bears N. & S.
50.00	foot of mountain.
80.00	set limestone 16 x 12 x 3 ins. 10 ins. in ground for cor. to secs. 1, 2, 35 & 36 marked 5 notches on W. 1 on E. edges. with regulation mound and pits, Land 50 chains mountainous, rests level soil 3rd rate.

281 Exteriors T. 14 S. R. 11 W.
North Boundary

Chains	
=	Sagebrush, greasewood, some bunchgrass. on 8000 chs.
	N 89° 57' W. on a true line bet. secs. 2 and 35 Var. 16° 35' E.
40.00	set a limestone 18×12×4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
80.00	set a limestone 16×12×6 ins. 10 ins. in ground for cor. to secs. 2.3.34 and 35 marked 4 notches on W. 2 notches on E. edges with regulation mound and pits. Land rolling, soil 3d rate. Sagebrush and bunchgrass.

Exteriors T. 14 S. R. 11 W.

North Boundary

Chains	
	N. 89°57' W on a true line bet. secs. 3 and 34 Var. 16°35' E.
40.00	set a limestone 19×18×15 ins. 12 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits, on foot of Mountain bears N. & S.
66.50	top of Mountain bears N. W and S. E.
	Altitude 5750 feet.
80.00	set a limestone 19×18×15 ins. 12 ins. in ground for cor. to secs. 3, 4, 33 and 34 marked 3 notches on W. and 3 notches on E. edges with regulation mound and pits, on West side of Mount Land first 40 ch. rolling

283 Exterior T. 14 S. R. 11 W. 250

North Boundary.

Chains	
	feet 40 chains mountainous. Soil 2d and 3d rate, sagebrush.
	N 89° 57' W. on a true line bet. secs 4 and 33 Var. 16° 35' E.
30.00	foot of limestone mountain bears N. W. & S. E.
40.00	set a limestone 18 x 14 x 6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits,
54.00	Dry Creek 18 lks. wide drains N.
70.00	Dry Creek 60 lks. wide drains N.
80.00	set a limestone 21 x 9 x 9 ins. 14 ins. in ground for cor. to secs. 4, 5, 32 & 33. marked 2 notches on W. 4 notches on E. edges with regulation

Chain

20.0

39.9

40.0

54.0

BOOK-A-179

251
Exteriors T. 14 S. R. 11 W.
284

North Boundary.

Chains	mound and pits.
	Land mountainous on 30 chains rests rolling soil 2nd and 3d rate. sagebrush & greasewood.
	N 89° 57' W. on a true line bet. secs. 5 and 32
	Var. 16° 35' E.
20.00	Dry Creek 12 lks. wide 3 ft. deep drains N.
39.90	Dry Creek 8 lks. wide 3 ft. deep drains N.
40.00	set a limestone 16×9×8 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
54.00	Dry Creek 12 lks. wide 2 ft. deep drains N.

252

Exteriors T. 14 S. R. 11 W.

North Boundary.

Chains	
76.00	gulch drains N. W.
80.00	set a limestone 19 x 12 x 12
	12 ins. in ground for cor.
	to secs. 5, 6, 31 and 32 mark
	with 1 notch on W. and
	5 notches on ~~W~~ E. edges
	with regulation mound
	and pits.
	Land rolling
	soil 2nd and 3d rate.
	Sagebrush, greasewood
	some bunchgrass.
	N. 89° 57' W. on a true
	line bet. secs. 6 and 31
	Var. 16° 35' E.
29.50	Enter wash
33.00	leave wash drains N. W.
40.00	set a limestone 18 x 12 x 6 ins.
	12 ins. in ground for ~~cor. to~~

Chain

45.0

74.00

79.1

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Exteriors T. 14 S., R. 11 W.,

North Boundary.

Chains	
	1/4 cor. cor. marked 1/4 on N. face with regulation mound and pits
45.00	foot of Mountain bears N. & S.
74.00	top of Mountain bears N. & S.
79.10	the Cor. to Townships 13 and 14 S., R. 11 and 12 W.
	Land 34 ch. 10 lks. mountainous rate level soil 2nd and 3rd rate sagebrush, bunchgrass.

June 6th 82

General Description

The larger part of this Township is mountainous, with good indications

of Copper, Silver and Iron
Scattered Cedars in the
Eastern half of township
There are a few Miners Cabin
in the North East Corner of
the Township.

Ferdinand Dickert
U. S. Dep. Surveyor.

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the South East and North boundaries

Township No. 14 South *Range No.* 11 West

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert

Under his *contract No.* 108

of the 16th *day of* May 1882,

in the month of June 1882,

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

Frdk Salomon

U. S. Surveyor General for Utah.

BOOK-A-179

REPORT: 1883.

Filed 1882 289

Examined by

Compared by E. Michaelis & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

West, East and North Boundaries

OF

Township No. 14 South

Range No. 12 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced May 29th 1882

Survey completed June 13th 1882

3

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9

Township 14 S. R. 12 W.

	276	275	274	273	272	271	
260	6	5	4	3	2	1	269
259	7	8	9	10	11	12	267
258	18	17	16	15	14	13	266
257	19	20	21	22	23	24	265
256	30	29	28	27	26	25	264
255	31	32	33	34	35	36	263

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Mertz	Chainman.
Horace D. Ensign	Chainman.
	Chainman.
	Chainman.
C. L. Mendell	Axeman.
	Axeman.
Fred'k A. Ribbach	Flagman.

BOOK-A-179

25'6'

West Boundary T. 14 S. R. 12 W.

Survey commenced May 29th 1882

Chains

From Corner to Townships 14 and 15 South Ranges 12 and 13 West established by me I run

North bet. secs. 31 and 36

Var. 16° 32' E.

ascend

40.00 set a limestone 19 x 18 x 16 ins 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside pits impracticable.

also top of first ridge bears E & W.

56.50 top of 2nd ridge bears E & W.

Sheep Corral bears N 42° W. about 1/4 mile.

80.00 set a limestone 15 x 12 x 9 ins. 10 ins. in ground for cor. to secs. 25, 30, 31 and 36 marked with 5 notches on N.

292 256

3 West boundary T. 14 S. R. 12 W.

and 1 notch on S. edges dug pits and raised mound of stones along side, as per regulation

Land mountainous, rocky some Cedars and bunchgrass. Sagebrush, [illegible]

North bet. secs. 25 and 30

Var. 16°32' E.

16.00 gulch drains West

28.50 top of ridge bears E & W.

40.00 set a limestone 19×12×12 in mound of rocks ~~marked~~ for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones along side as per regulation on north side of ridge

50.00 gulch drains West

68.00 top of limestone ridge bears E. & W.

76.00 Dry Creek 14 lks wide drains S.E.

West Boundary of T. 4 S. R. 12 W.

Chains	
80.00	Set a limestone 18×12×6 ins. 12 ins. in ground for cor. to secs. 19. 24. 25 and 30 marked with 4 notches on the N. and 2 notches on the South edges. pits impracticable raised mound of stones alongside as per regulation. Land mountainous, rocky, sagebrush, some bunchgrass. [illegible]
	North bet. secs. 19 and 24 Va. 16°32' E,
40.00	set a limestone 16×8×8 ins. 10 ins. in ground for 1/4 sec. cor, marked 1/4 on W. face. Dug pits and raised mound of stones alongside. as per reg.

West Boundary T. 14 S. R. 12 W.

Chains	line runs along West side of ridge
67.00	foot of ridge
76.00	top of ridge bears N W & S. E.
80.00	set a limestone 24×12×12 ins. in mound of rocks for cor. to secs. 13. 18. 19 and 24 marked 3 notches on N. and 3 on S. edges raised mound of stones along side, as per regulation pits impracticable
	Land mountainous, rocky, sagebrush some bunchgrass. 8000 cks
	North bet. secs. 13 and 18 Var. 16° 32' E.
13.00	foot of limestone ridge bears E. & W.
40.00	set a ~~limestone~~ Quartzite 10×5×5 ins. 6 ins. in ground for 1/4 sec. cor. marked 1/4 on

West Boundary T14S. R12W.

Chains	
	W. face dug pits and raised mound of earth alongside.
80.00	set a limestone 18×12×4 ins. as per regulation 12 ins. in ground for cor. to secs. 7. 12. 13 and 18 marked with 2 notches on N and 4 on S. edges dug pits and raised mound of stones alongside as per regulation
	Land 13 ch. mountainous, rest rolling, sandy soil 2nd and 3d rate, sagebrush greasewood and bunchgrass.
	= on 8 00 cks
	North bet. secs. 7 and 12 Va. 16° 32' E.
40.00	set a limestone 18×15×12 ins, 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones alongside. as per regulation

West Boundary T 14 S. R. 12 W.

Chains	
46.50	Dry Creek 60 lks wide 15 feet deep drains N. W.
80.00	Set a limestone 18×12×9 ins. 12 ins. in ground for cor. to secs. 1. 6. 7 and 12 marked 1 notch on N. and 5 notches on S. edges raised mound of stones alongside as per regulation pits impracticable. Land rolling, sandy, sage-brush greasewood and bunchgrass
	North bet. secs. 1 and 6 Va. 16° 32' E.
40.00	Set a black limestone 16×9×8 ins. 10 ins in ground for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside as per regulation pits impracticable, on West side of Black limestone ridge bears S.

West Boundary T 14 S. R. 12 W.

Chains	
8.50	Dry Creek 18 lks. wide 3 ft. deep drains N. W.
80.00	Set a limestone 16×12×9 ins. 10 ins. in ground for cor. to townships 13 & 14 S. Ranges 12 and 13 West, marked 6 notches N. S. E & W. with regulation mound & pits. Land rolling, soil 3d rate, sagebrush and bunch grass on 80 chains. May 30th 1882.

Exteriors T. 14 S. R. 12 W.

East Boundary.

commenced June 2nd /82.

Chains	
	North bet. secs 31 and 36.
	By observation I find the
	Variation 16° 32' E.
6.00	Dry Creek 60 lks. wide dr. W.
10.00	" " 28 lks. wide dr. W.
40.00	set a limestone 19×12×12 ins.
	~~for~~ 12 ins. in ground for 1/4 sec.
	cor. marked 1/4 on W. face
	Dug pits 18×18×12 ins. Na S.
	of stone 5 1/2 ft. dist raised
	mound of earth 1 1/2 ft. high
	3 1/2 ft. base alongside
40.60	Dry Creek 12 lks. wide dr. W.
71.50	Dry Creek 14 lks. wide dr. W.
80.00	Set a Quarzite 16×12×12 ins.
	10 ins. in ground for cor. to secs
	25, 30, 31 and 36 marked with
	5 notches on N and 1 on S. edges
	Dug pits 18×18×12 ins. in
	each secs. 5 1/2 ft. dist; raised

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Exteriors T. 14 S. R. 12 W.
East Boundary.

Chains	a mound of stones alongside	Chain
	Land high rolling,	
	soil 3d rate, sagebrush.	
	North bet. secs. 25 and 30	
	Var. 16° 32' E.	
40.00	set a Porphyr 16×8×5 ins.	
	10 ins. in ground for 1/4 sec. c	9.50
	marked 1/4 on W. face, dug	
	pits 18×18×12 ins. N & S. of	
	stone 5 1/2 ft. dist, raised mou	13.0
	of stones alongside.	
50.00	Dry Creek 12 lks. wide	18.0
	2 ft. deep drains W.	40.0
80.00	Set a Porphyr 14×6×6 ins	
	9 ins. in ground for cor. to	
	secs. 19. 24. 25 and 30 marked	
	4 notches on N and 2 on S.	
	edges, dug pits 18×18×12 ins	
	in each secs. 5 1/2 ft. dist.	50.2

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	Chains	and raised mound of earth alongside.
		Land mountainous, rocky, sagebrush, bunchgrass.
		Northbet. secs 19 and 24 Var. 16°32 E.
	9.50	Road from Detroit Mines bears E & W. Dug mound and pit,
	13.00	enter Dry Creek trans S. and S. E.
	18.00	leave Dry Creek 50 lks wide
	40.00	set a Quartzite 24 x 12 x 3 in 16 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face Dug pits N. & S. 5½ ft. dist. raised mound of stones alongside.
	50.25	Wash 60 lks. wide Dr. West.

301 Exteriors T. 14 S. R. 12 W.

East Boundary.

Chains		Chain
66.75	Dry Creek 40 lks. wide dr. W.	
80.00	set a limestone 16×12×4 ins.	
	10 ins. in ground for cor. to secs	
	13. 18. 19 and 24 marked with	50.0
	3 notches on N and S. edges	
	Dug pits 18×18×12 ins and	80.0
	raised mound of earth 2 ft.	
	high 4½ ft. base alongside	
	Land mountainous, soil	
	3d rate, sagebrush. bunch	
	grass.	
	North bet. secs. 13 and 18	
	Var. 16°32'	
5.00	Dry Creek 40 lks. wide 9 ft. deep	
	drains W.	
21.50	foot of high ridge	
32.00	top of ridge bears N E & S.	
39.00	head of gulch drains West	7.5
40.00	Set limestone 24×12×12	27.5

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Exteriors T. 14 S. R. 12 W. 267

302

East Boundary

Dr. W.	Chains	in mound of rocks. for 1/4 sec. cor.
ins.		marked 1/4 on W. face raised
ecs		mound of stones alongside.
with	50.00	top of limestone Mountain
ges		line runs parallel top.
	80.00	set a limestone 22×12×12 ins
ft.		in mound of rocks for cor.
side		to secs. 7. 12. 13 and 18 marked
soil		with 2 notches on N. and
mud		4 on S. edges., raised mound
		of stones alongside, pits
		impracticable.
18		Land mountainous,
32'		rocky, sagebrush, Mountain
t. dee		Mahagony, bunchgrass.
		80.00 OK
		North bet. secs. 7 and 12
		Var. 16°32'E
2 S.		
t	7.50	descend
×12	27.50	gulch drains N. W.

Exteriors T. 14 S. R. 12 W. 268

East Boundary.

Chains.	
40.00	set a limestone 18×12×12 in in mound of rocks for ~~cor. to~~ 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside pits impracticable.
42.50	top of first ridge bears E. & W. Altitude 5950′
61.00	top of Mountain bears N.W. S. E.
76.00	gulch drains N E. 600 feet thence N.W.
80.00	set a limestone 19×12×8 in in mound of rocks. for cor. to secs. 1.6.7 and 12 marked 1 rot on N. and 5 on S. edges. raised mound of stones alongside, pits impracticable. on West side of Mountain. Land Mountainous, rocky sagebrush, bunchgrass.

Chai
12.
40.
54.
61.
80.

BOOK-A-179 269 304

Exteriors T. 14 S. R. 12 W.

East Boundary.

2 miles Chains	North bet. sec. 1 and 6
	Var. 16° 32' E.
12.00	gulch trains N.W.
	line runs along side of mountain
40.00	set a limestone 16x9x8 ins.
	in mound of rocks for 1/4 sec.
	cor. marked 1/4 on W. face
	raised mound of stones along side
	pits impracticable.
54.50	gulch trains West
61.00	top of ridge bears E. & W.
80.00	set limestone 16x9x8 ins
	in mound of rocks for cor.
	to Townships 13 and 14 S.
	R. 11 and 12 West raised
	mound of stones 4x4x4 feet
	along side, pits impracticable
	Land mountainous,
	rocky, sagebrush, and
	greasewood, [illegible]
	June 2nd 82

Exteriors T. 14 S. R. 12 W. 270

North Boundary.

Chains.	From the Corner to Towns 13 and 14 S. R. 12 and 13 W. I run East on a random line bet. said Townships Var. 16° 32' E.	Chain 7.50
	I set temp. half mile and mile corners at 40 and 80 chains and find the Townsh line to be 5 miles 79 chains and the falling 82 lks. North of of the cor. to T. 13 and 14 S. R. 11 and 12 W. The correction of the true line will therefore be 13 2/3 lks South and 100 lks West per mile, and its course will be N. 89° 54' W.	21.00 40.00 76.0 80.0
	From the above described Cor. to Townships 13 and 14 S.	

Exteriors T. 27/14 S. R. 12 W.

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North Boundary

Chains	
	R. 11 and 12 W. Drum N. 89° 54' W. on a true line bet. secs. 1 and 36 Var. 16° 32' E.
7.50	gulch trends N. W.
21.00	top of mountain bears N. W. & S. E.
40.00	set a limestone 16x12x9 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside, pits impracticable. in bottom of gulch Dr. N. W.
76.00	top of ridge bears N. & S.
80.00	set a limestone 18x12x6 ins. in mound of stones for cor. to secs. 1. 2. 35 & 36 marked 5 notches on W. 1 on E. edges. raised mound of stones alongside

Exteriors T. 14 S. R. 12 W. (272)

307

North Boundary.

Chains.	pits impracticable.	Chai
	Land mountainous, rocky sagebrush, bunchgrass. on	
	8000 lbs	
	N. 89° 54 W. on a true line bet. secs. 2 and 35.	
	Var. 16° 32' E.	
10.00	Dry Creek 40 lks wide Dr. N.	
29.00	Dry Creek 18 lks. wide " S.	
40.00	set a limestone 18×12×9 in 12 ins. in ground for ~~cor. to~~ 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.	31.0 40.00
70.00	Dry Creek 14 lks. wide drains S. W.	
80.00	set a limestone 19×12×5 in mound of rocks, for cor. to secs. 2.3.34 and 35 ~~marked~~ 4 notches on W and 2 on E. edges	80.0

North Boundary.

Chains	
	raised mound of stones alongside, pits impracticable. on top of ridge N. & S.
	Land mountainous, rocky, sagebrush some bunchgrass.
	on 80.00 chs
	N. 89°54' W. on a true line bet. secs. 3 and 34.
	Var. 16°32' E.
31.00	Dry Creek 16 lks. wide drains N. W.
40.00	set limestone 14 × 8 × 6 ins 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits on foot of ridge bears N & S.
80.00	set limestone 14 × 12 × 4 ins. 9 ins. in ground for cor. to secs. 3. 4. 33 and 34 marked

309 Exteriors T. 14 S. R. 12 W.

North Boundary.

Chains	
	3 notches on W. and E. edges with regulation mound and pits. Land first half mountain, last half rolling, soil 3d rate, sagebrush and bunchgrass
	N. 89° 54' W. on a true line bet. secs. 4 and 33.
	Var. 16° 32' E.
10.00	Wash 80 lks. wide dr. N.W.
40.00	set a limestone 18×10×6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
50.75	Road to Detroit Mines N.W. and S.E. set limestone 16×9×8 in mound and pits. marked W.M.
79.50	Dry Creek 10 lks. wide drains N.
80.00	set limestone 20×12×9 ins.

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Exteriors T. 14 S. R. 12 W.

North Boundary.

Chains	12 ins. in ground for cor. to secs. 4. 5. 32 and 33 marked 2 notches on W. and 4 on E. edges, with regulation mound and pits.
	Land rolling, sandy, sagebrush and greasewood.
	N. 89° 54' W. on a true line bet. secs. 5 and 32
	Var. 16° 32' E.
40.00	set a limestone 14×9×8 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
67.00	Dry Creek 19 lks. wide N.W.
80.00	set a limestone 14×9×6 ins. 9 ins. in ground for cor. to secs. 5. 6. 31 and 32 marked 1 notch on W. and 5 on E. edges.

Exteriors T. 14 S. R. 12 W.

North Boundary.

Chains	with regulation mound & pits. Land rolling, soil 3rd rate, sagebrush, brushwood.
	N. 89° 54' W. on a true line bet. secs 6 and 31. Var. 16° 32' E.
8.50	Dry Creek 12 lks. wide Dr. N.W.
17.00	Dry Creek 10 lks. wide Dr. N.W.
40.00	set a Porphyry 14 x 9 x 9 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits.
79.00	the Cor. to Townships 13 and 14 S. R. 12 and 13 W. Land rolling, sandy soil 2nd and 3rd rate, sagebrush brushwood.

June 8th 82

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277

Exteriors T. 14 S. R. 12 W.

312

North Boundary

General Description.

The eastern part of this Township is rocky, and mountainous. The western half rolling and sandy, covered with sagebrush, greasewood and some bunch-grass. Unfit for cultivation.

Ferdinand Dickert
U. S. Dep. Surveyor.

BOOK-A-179

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the West, East and North boundaries

Township No. 1 South *Range No.* 12 West

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert

Under his *contract No.* 108

of the 16th *day of* May 1882,

in the months of May & June 1882,

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

Fred Salomon

U. S. Surveyor General for Utah.

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314

REPORT: 1883

Filed 188

Examined by

Compared by Ed. Michaelis & L M Hickok

FIELD NOTES

OF THE SURVEY OF THE

South, West and North boundaries

OF

Township No. 14 South.

Range No. 13 West.

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Dickert

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced June 7th 1882

Survey completed " 9th 1882

4

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10

Township 14 S. R. 13 W.

297 296 295 295 294 293

291 6 5 4 3 2 1

290 7 8 9 10 11 12

289 18 17 16 15 14 13

288 19 20 21 22 23 24

287 30 29 28 27 26 25

286 31 32 33 34 35 36

284 283 282 281 279 278

315 NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	Chainman.
Horace D. Ensign	Chainman.
	Chainman.
	Chainman.
C. L. Kendell	Axeman.
	Axeman.
Fred'k A. Ribbach	Flagman.

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Exteriors T. 14 S. R. 13 W. 316

South Boundary.

Commenced June 7th/82

Chains	From the Corner to Township 14 and 15 S. R. 12 and 13 W. a limestone 18 x 16 x 12 ins. 12 ins in ground marked 6 notches N. S. E. & W. with mound and pits, I run West on a true line bet. secs. 1 and 36 By observation with the North Star I find the Variation to be 16° 31' E.
18.20	Dry Creek 10 lks. wide Dr. N.W.
29.50	Road to Detroit mines bears N.W. & S.E. set a limestone 12 x 9 x 8 marked W M. and mound of rocks.
40.00	set limestone 18 x 8 x 4 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation

Exteriors T. 14 S. R. 13 W. 279

South Boundary.

Chains		Chains
	mound and pits on foot of ridge bears N E & S. W.	12.5
		35.0
80.00	set a limestone 18 x 12 x 6 ins. 12 ins. in ground for cor. to secs. 1. 2. 35 and 36 marked 5 with on W. 1 notch on E. edge with regulation mound and pits	40.0
	a Cedar 8 in. diam. bears N. 10 feet. marked T. 14 S. R. 13 W. sec. 35. B T.	55.5
		60.0
		80.0
	Land mountainous, soil 3rd rate, sagebrush, bunch grass.	
	Water a true line bet. secs. 2 and 35	
	Var. 16° 31' E.	
8.40	Road to Swasie Springs bears S. E & N. W.	
8.50	Dry Creek 20 lks. wide Dr. S. E	

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Exteriors T. 14 S. R. 13 W.

South Boundary.

Chains	
12.50	same Dry Creek trains E.
35.00	North end of ridge bears S.
40.00	set a limestone 19x12x6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits in gulch trains N.
55.50	Dry Creek 20 lks. wide tr. N.
60.00	ridge bears N. & S.
80.00	set a limestone 18x12x9 ins 12 ins in ground for cor. to secs. 2. 3. 34 and 35 marked 4 notches on W. and 2 on E. edges with regulation mound and pits.

Land mountainous, fine Benchland towards the North.

Soil 3rd rate, some Cedars, brushwood.

Exteriors T. 14 S. R. 13 W.

319 South Boundary.

Chains		Chain
	West on a true line bet. secs. 3 and 34.	
	Var. 16° 31' E.	
10.00	Dry Creek 18 lks. wide Dr. N.	
21.50	Dry Creek 40 lks. wide Dr. N.	
30.00	top of ridge bears N. & S.	25.
32.00	gulch Drains N.	40.
40.00	set a limestone 18×12×9 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.	49.
80.00	set a limestone 12×8×5 ins. 8 ins. in ground for cor. to secs. 3. 4. 33 and 34 marked 3 notches on W. and 3 on E. edges with regulation mound and pits.	53 62 67 79. 80.
	Land mountainous, soil 3rd rate, sagebrush, scrub	

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Exteriors T. 14 S. R. 13 W.

282

320

South Boundary.

Chains	Cedars, bunchgrass.
	West on a true line bet,
	secs. 4 and 33
	Var. 16° 31' E.
25.00	ridge bears N. & S.
40.00	set a limestone 19x12x8
	in mound of rocks for 1/4 sec.
	cor. marked 1/4 on N. face
	raised mound of stones along-
	side, pits impracticable.
49.00	gulch trains N. E.
53.00	foot of limestone precipice 70 feet high
62.00	top bears N. & S.
67.00	head of gulch trains N.
79.00	ridge bears N. & S.
80.00	set a limestone 18x12x9
	ins. 12 ins. in ground for cor.
	to secs. 4, 5, 32 and 33 marked

Exteriors T. 14 S. R. 13 W.

321

South Boundary.

Chains	2 notches on W. and 4 on E. edges with regulation mound and pits. on West side of ridge Altitude 5750 ft. Land mountainous, rocky, soil 3rd rate, sagebrush & bunchgrass.	Cha 62.0 80.0
	West on a true line bet. secs. 5 and 32 Var. 16° 31' E.	
4.50	bottom of gulch. Dr. N.	
18.00	ridge bears N. & S.	
33.50	second ridge bears N. & S.	
40.00	set a limestone 19×12×6 in. 12 ins. in ground for 1/4 sec. cor., marked 1/4 on N. face with regulation mound and pits. on West side of ridge.	15
47.50	gulch drains S. S. E.	

BOOK-A-179 284 Exteriors T. 14 S. R. 13 W.

South Boundary.

Chains	
62.00	ridge bears N. & S.
	Altitude 5800 feet.
80.00	set a limestone 19×12×8 ins.
	12 ins. in ground for cor. to
	secs. 5. 6. 31 and 32 marked
	1 notch on W. 5 notches
	on E. edges with regula-
	tion mound and pits.
	in gulch drains N. E.
	Land mountainous,
	soil 3d rate, sagebrush
	bunchgrass.
	West on a true line
	bet. secs 6 and 31
	Var. 16° 31′ E.
15.00	precipice 400 feet. deep
	set witness monument
	3×3×3 feet marked rock
	in place 1/4 W M. for witness
	June 7th 82

Exteriors T. 14 S., R. 13 W.

West Boundary.

Chains	
	Corner for 1/4 sec. cor. it being impossible to extend this line further West I now run North on a offset line
35.00	thence West. allowing for convergency
64.38	to a point on line bet. secs. 31 and 36 on West Boundary of Township where I set a limestone 19 x 12 x 9 in mound of rocks for W. C. to Townships 14 and 15 S., R. 13 and 14 W. marked 6 notches N. S., E. & W. and W C. and mound of rocks, pits impracticable,
	thence North bet. secs. 31 and 36
40.00	set limestone 12 x 9 x 9 ins

80.

9.

19.

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Exterior. T. 14 S., R. 13 W. 286 324

West Boundary.

8 ins in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound & pits.

80.00 set a limestone 18 x 12 x 12 ins. in mound of stones for cor. to secs. 25, 30, 31 and 36 marked 5 notches on N. and 1 notch on S. edges raised mound of stones alongside, pits impracticable.

Land mountainous, rocky, some Cedars and Sagebrush. 8000 lks

North bet. secs 25 & 30

Var. 16°31' E.

9.75 ridge bears E & W.

19.50 gulch drains West.

Exteriors. T. 14 S. R. 13 W. 287

325

West Boundary

Chains		Chai
39.50	ridge bears N. W & S. E.	
40.00	Set a limestone 18×12×9	
	ins in mound of rock for 1/4	28.1
	sec. cor. marked 1/4 on W. face,	34.
	raised mound of stones alongside	40.0
	pits impracticable.	
	in gulch drains N. E.	
50.00	ridge bears N E & S. W.	
54.50	gulch drains N E.	
60.50	ridge bears N E & S. W.	
77.00	dry Creek 60 lks. wide drains N. W.	
80.00	set a limestone 19×12×12	50.
	ins 12 ins. in ground for	80.
	cor. to secs. 19. 24. 25 & 30.	
	marked 4 notches on N. and	
	2 on S. edges. with regulation	
	mound and pits.	
	Land mountainous, rocky	
	some Cedars and sagebrush	
	bunchgrass. 8000 [illegible]	

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Exteriors T. 14 S. R. 13 W.

West Boundary.

Chains	North bet. secs. 19 and 24 Var. 16° 31' E.
28.10	ridge bears E. & W.
34.25	gulch drains S. W.
40.00	set a limestone 16×12×9 ins in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones alongside, pits impracticable, on side of ridge.
50.00	ridge bears E & W.
80.00	set a limestone 20×19×12 ins. in mound of stones for cor. to secs. 13. 18. 19. 24 marked 3 notches on N. and S. edges raised mound of stones alongside pits impracticable.

Land mountainous, rocky.

Exteriors T. 14 S. R. 13 W. 289

327

West Boundary.

Chains		Chains
	sagebrush, bunch grass 80.00 chs.	
	North bet. secs. 13 and 18	40.
	Var. 16° 31' E.	
40.00	set a limestone 22 x 12 x 10 ins. in mound of stones for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones along side, pits impracticable on top of mountain,	80.
80.00	Second set a limestone 12 x 6 x 6 ins. 8 ins. in ground for cor. to secs. 7. 12. 13 & 18 marked 2 notches on W. 4 on S. edges with regulation mound and pits.	
	Land mountainous, rocky, sagebrush, bunch grass.	
	80.00 chs.	

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Exteriors T. 14 S., R. 13 W.,

West Boundary.

328

Chains	
	North bet. secs 7 and 12
	Var. 16° 31' E.
40.00	set limestone 16 x 9 x 4 ins, 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, with regulation mound & pits, on foot of Mountain bears E & W.
80.00	set a limestone 16 x 12 x 10 ins, 10 ins. in ground for cor. to secs. 1. 6. 7 and 12 marked 1 notch on N. 5 notches on S. edges with regulation mound and pits, first half mountainous, rocky, rest level, sandy, soil 2nd rate, sagebrush brushwood.

329

Exteriors T 14 S. R. 13 W.

West Boundary

Chains	North bet. secs. 1 and 6
	Var. 16°31' E.
40.00	set a limestone 12×9×8 ins. 8 ins in ground for 1/4 sec. cor. marked 1/4 on W. face with regulation mound a pits.
80.00	set a limestone 24×20×12 ins. 16 ins. in ground for Cor. to T. 13 and 14 S. R. 13 and 14 W. marked 6 notches N. S. E a W. with regulation mound a pits. Soil sandy 2nd rate level sagebrush and bunchgrass. Altitude 4400 feet.
	June 8th 82

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Exteriors T. 14 S. R. 13 W.
North
Boundary 330

From the Cor. to T. 13 and 14 S, R. 13 and 14 W. I run east on a random line, bet. said Townships, the variation of my compass being 16° 32' E. I set temporary half mile and mile corners at each 40 and 80 chains and find the township line to be 5 miles 78 ch. 40 lks and the falling to be 40 lks. N. of the Cor. to T. 13 & 14 S, R. 12 and 13 W. The correction for the true line will therefore be 6 2/3 lks. South and 1 ch. 60 lks. West per mile, and its course will be N 89° 57' W.

From the Cor. to T. 13 & 14 S, R. 12 and 13 W, which is a limestone 16 × 12 × 9 ins. marked 6 notches N. S. E. W with regu-

Exteriors T. 14 S. R. 13 W.

331

North Boundary.

Chains	
	Setting mound and pits on true line run N. 89° 57' W. bet. secs. 1 and 36.
	Var. 16° 32' E.
11.75	Dry Creek 5 lks. wide trains N.W.
40.00	Set a limestone 16 x 12 x 6 ins. 10 ins in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits
53.00	Dry Creek 80 lks. wide 10 ft. deep trains N.W.
80.00	Set a lava stone 16 x 10 x 10 ins. 10 ins. in ground for cor. to secs. 1. 2. 35 and 36 marked 5 notches on W 1 notch on E. edges with regulation mound & pits. on front of N. end of lava ridge bears N. & S. Land level, soil 2nd & 3rd rate. sagebrush, greasewood.

Chain

40.0

55.0

59.5

75.0

80.0

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Exteriors T. 14 S. R. 13 W.

North Boundary

Chains	
	N. 89° 57' W. on a true line bet. secs. 2 and 35
	Var. 16° 32' E.
40.00	set a limestone 16 x 14 x 3 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.
55.00	foot of ridge bears N & S.
59.50	top of ridge bears N & S.
75.00	foot of ridge
80.00	set a limestone 16 x 9 x 8 ins. 10 ins. in ground for cor. to secs. 2. 3. 34 and 35 marked 4 notches on W. 2 notches on E. edges with regulation mound and pits.
	Land mountainous on 20 ch. rest rolling, soil 2nd & 3d rate, sagebrush & bunchgrass

333 Exteriors T. 14 S. R. 13 W.

North Boundary.

Chains	N 89° 57' W. on a true line bet. secs. 3 and 34	Chain
	Var. 16° 32' E.	
40.00	set a limestone 16×12×5 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits.	80.0
80.00	set a limestone 12×8×4 ins. 8 ins. in ground for cor. to secs. 3. 4. 33 and 34 marked 3 notches on W. and E. edges with regulation mound & pits. Land level, sandy, soil 2nd rate, Evergreens and brushwood.	
	N 89° 57' W. on a true line bet. secs. 4 and 33	40.00
	Var. 16° 32' E.	
40.00	set a limestone 12×6×4 in	

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Exteriors T. 14 S. R. 13 W.

North Boundary.

Chains	
	8 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and pits
80.00	set a limestone 16x12x5 ins. 10 ins in ground for cor. to secs. 4. 5. 32 and 33 marked 2 notches on W. and 4 notches on E. edges with regulation mound and pits.
	Land level, sandy soil 2nd rate, sagebrush bunchgrass.
	N. 89° 57' W. on a true line bet. secs. 5 and 32
	Var. 16° 32' E.
40.00	set a sandstone 14x9x5 ins. 9 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound and

Exteriors T. 14 S. R. 13 W.

335

North Boundary.

Chains		Ch.
	pits.	
69.00	Road from Fish Springs to Detroit Mines, bears S. E. & N. W. set limestone 12x9x8 marked WM. mound and pit	78
80.00	set a limestone 15x12x5 in. 10 ins. in ground for cor. to secs. 5. 6. 31 and 32 marked 1 notch on W. 5 on E. edges with regulation mound and pits.	
	Land level, sandy soil 2nd rate, sagebrush some bunchgrass.	
	N 89° 57' W. on a true line bet. secs. 6 and 31	
	Var. 16° 32'	
40.00	set a limestone 16x10x4 in.	

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Exteriors T. 14 S. R. 13 W.

North Boundary.

Chains	10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face with regulation mound & pits
78.40	the cor. to Tps. 13 and 14 S. R. 13 and 14 W.

Land level, sandy soil 3d rate, sagebrush bunchgrass.

June 9th 82

General Description

The land in the Southern half of the township is mountainous and bench land; the northern half is level, and sandy covered with sagebrush and bunchgrass. Unfit for cultivation.

Ferdinand Dickert

U. S. Deputy Surveyor.

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U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882.

The foregoing field notes of the survey of the South, West and North boundaries of *Township No.* 14 South *Range No.* 13 West *of the Salt Lake Meridian, Utah Territory, Executed by* Ferdinand Dickert *Under* his *contract No.* 108 *of the* 16th *day of* May 1882, *in the month of* June 1882, *having been critically examined, the necessary corrections and explanations made, the said field notes, and the surveys they describe are hereby aproved.*

Fred Salomon

U. S. Surveyor General for Utah.

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338

REPORT: 1883

Filed 188

Examined by .....

Compared by Edw. Michaelis & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

West, East & South boundaries.

OF

Township No. 15 South,

Range No. 12 West,

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Ferdinand Deckert,

U. S. Deputy Surveyor,

Under his Contract No. 108

Dated May 16th 1882

Survey commenced May 29th 1882

Survey completed June 1st 1882

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Township 15 S. R. 12 W.

324	322	321	320	318	317	
6	5	4	3	2	1	315
7	8	9	10	11	12	314
18	17	16	15	14	13	313
19	20	21	22	23	24	312
30	29	28	27	26	25	311
31	32	33	34	35	36	310

NAMES AND DUTIES OF ASSISTANTS:

	Compassman.
Samuel S. Moritz	*Chainman.*
Horace D. Ensign	*Chainman.*
	Chainman.
	Chainman.
C. L. Kendell	*Axeman.*
	Axeman.
Frank A. Ribbeck	*Flagman.*

[2.—PRELIMINARY OATH OF CHAINMEN.]

We, Samuel S. Moritz

and H. W. Ensign

do solemnly swear that we will well and faithfully execute the duties of chain carriers; that we will level the chain upon even and uneven ground and plum the tally pins, either 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 assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the lines stipulated in the Contract No. 108 of May 16th 1882 by Ferdinand Dickert U. S. Dep. Surveyor, situated South and West

of the Salt Lake base and meridian in the Territory of Utah.

Samuel S. Moritz, Chainman.

Horace D. Ensign, Chainman.

....., Chainman.

....., Chainman.

Subscribed and sworn to before me this 25th day of May 1882

Edward Michaelis
Notary Public

[3.—PRELIMINARY OATH OF AXEMEN] 341

We, C. L. Hendell

and

do solemly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the lines stipulated in the Contract No 108 of May 16th 1882 by Ferdinand Dickert U. S. Dep. Surveyor, situated South and West

of the Salt Lake base and meridian in the Territory of Utah.

C. L. Kendell, Axeman.

, Axeman.

Subscribed and sworn to before me this 25th day of May 1882

Edward Michaelis
Notary Public

BOOK-A-179 B01 Flagman

[3.—PRELIMINARY OATH OF ~~AXEMEN~~.] 342

We, J. Fredk A. Ribbach

and

do solemly swear that we will well and truly perform the duties of axemen, in the establishment of corners and other duties, according to instructions given us, and to the best of our skill and ability, in the survey of the lines stipulated in the Contract No. 108 of April 18th 1882 by Ferdinand Dickert U. S. Dep. Surveyor situated South and West

of the Salt Lake base and meridian in the Territory of Utah.

Fredk A. Ribbach, Flagman ~~Axeman~~.

, Axeman.

Subscribed and sworn to before me this 25th day of May 1882

Edward Michaelis

Notary Public

West Bound T. 15 S. R. 12 W.

Chains.	Survey commenced May 29th 82 with a Gurleys improved Solar Compass, found correct by my observation From a limestone 13×12×7 marked 6 notches E, N. and W. and mound of stones as described in the field notes for the Standard Corner to Townships 15 South Ranges 12 and 13 West, I run North bet. secs 31 and 36 Var. 16° 32' E.
36.00	Dry Creek 25 lks. wide 2 ft. deep drains N. E.
40.00	set limestone 26×20×6, 16 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of

344 303

West Boundary of T. S. R. 12 W.

Chains	
	stones alongside, as per regulation
80.00	set limestone 14×12×5 ins. 10 ins. in ground for cor. to secs. 25. 30 31 and 36 marked 5 notches on N. and 1 notch on S. edges dug pits and raised mound of stones alongside as per regul. Land rolling, soil sandy. 2nd and 3d rate. Sagebrush.
	North bet. secs. 25 and 30 Va. 16° 32′ E.
11.00	Dry Creek 20 lks. wide 1 ft. deep drains N.E.
40.00	set limestone 20×12×6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of stones alongside as per regula.
49.00	Dry Creek 10 lks wide drains N.E.

Chains

59.00 Dry Creek 8 lks. wide trains N.E.

80.00 set limestone 14 x 12 x 5 ins.
10 ins. in ground for cor. to
secs. 19. 24. 25 and 30 marked
4 notches on N 2 notches on
S. edges Dug pits and raised
mound of stones alongside as per regulation
Land rolling,
Soil sandy 2nd rate
sagebrush, greasewood
2000 lks

North bet. secs. 19 and 24
Var. 16° 32' E.

32.00 Dry Creek 16 lks. wide
trains N. E.

40.00 set limestone 12 x 9 x 8 ins.
8 ins. in ground for 1/4 sec. cor.
marked 1/4 on W. face, Dug
pits raised mound of stones

346 305

Wood Boundary T 15 S. R 12 W

Ch	Chains	
		alongside as per regulation
5	63.50	limestone 4×4×3 feet on line
	67.00	dry creek 10 lks wide drains N.
	80.00	set a limestone 20×15×12 ins. 12 ins. in ground for cor. to secs 13.18.19 and 24 marked with 3 notches on N. & S. edges dug pits and raised mound of earth alongside as per reg. Land rolling, soil 3d rate, sagebrush, bunchgr.
		on 80.00 chs
		North bet. secs. 13 and 18 Var. 16° 32' E.
4	40.00	set limestone 18×14×14 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face dug pits and raised mound of earth alongside. as per regulation
4	53.50	dry creek 8 lks wide 3 feet deep

West Boundary T 15 S. R. 12 W.

Chains	Drains N. E.
80.00	Set a limestone 18×15×15 ins. 12 ins. in ground for cor. to secs. 7. 12. 13 and 18 marked with 4 notches on S. and 2 notches on N. edges Dug pits and raised mound of stones alongside, as per regulation Land rolling, soil 2nd rate, sagebrush, bunch-grass on Sooches
	North bet. secs. 7 and 12 Var. 16° 32' E.
5.00	Dry Creek 10 lks. wide 3 ft. deep Drains N. E.
40.00	set a limestone 16×12×9 ins. 10 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, Dug pits raised

West Boundary T. 15 S. R. 12 W.

Chains	mound of stones alongside as per reg
48.50	Dry Creek 12 lks wide drains N. W.
80.00	set a limestone 24×20×8 ins 16 ins. in ground for cor. to sec 1. 6. 7 and 12 marked 5 notch on S. 1 notch on N. edges dug pits and raised mound of stones alongside as per regul
	Land rolling, Soil 2nd rate, sandy, Sagebrush greasewood. on 80.00 chs
	North bet. secs. 1 and 6. Var. 16° 32' E.
0.25	Dry Creek 8 lks. wide drains N
40.00	set a limestone 19×16×12 in 12 ins. in ground for 1/4 sec. co marked 1/4 on W. face, dug pits and raised mound of

53.

West Boundary T 15 S R 12 W

Chains

stones alongside as per regulation.

60.20 Road to Detroit Mines bears S. E and N. W. set limestone 9 x 8 x 8 marked W M. Dug one pit and raised mound of stones alongside. as per regulations

80.00 Set a limestone 18 x 16 x 12 ins 12 ins in ground for cor. to Townships 14 and 15 South Ranges 12 and 13 West marked 6. notches N. S. E & W. edges Dug pits and raised mound of stones 4 x 4 x 4 feet alongside

Altitude 5250 feet.

Land high rolling, sandy, soil 3d rate sagebrush, and bunch-grass. on 80.00 cho.

May 29. 1882

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Exteriors T. 15 S. R. 12 W.

350

East Boundary

Commenced May 31st 1882

Chains

I begin at the Standard Corner to T. 15 S. R. 11 and 12 W. which is a limestone 18×12×6 6 notches N. E & W. mound of stones and earth with 3 pits N. E & W.

thence I run

North bet. secs. 31 and 36

Var. 16° 32' E.

40.00 set a purphyry 18×12×6 ins. 12 ins in gr. for 1/4 sec. cor. marked 1/4 on W. face, I dug pits 18×18×12 ins. N. & S. of stone 5 1/2 ft. dist. and raised mound of stone alongside

80.00 set a purphyry 24×18×12 ins. 16 ins. in ground for cor. to secs. 25. 30. 31 and 36 marked with 5 notches on W and 1 notch on S. edges I dug pits 18×18×12 in.

311

Exteriors T. 15 S. R. 12 W.

351

East Boundary.

Chains.	in each secs. 5½ ft. dist, raised mound of earth alongside. Land level, soil sandy 3d rate, sagebrush and greasewood
	North bet. secs. 25 and 30 Var. 16° 32' E.
40.00	Set Lava stone 18×12×6 ins. 12 ins. in ground for ¼ sec. cor. marked ¼ on W. face dug pits and raised mound of stones alongside.
61.50	Dry Creek 18 lks wide drains S. W.
80.00	Set a Quartzstone 14×12×12 ins. in the ground for cor. to secs. 19. 24. 25 and 30 marked with 4 notches on N and 2 on S. edges dug pits 18×18×12 ins.

Chains	in each secs. 5½ ft. dist. and raised mound of earth alongside Land level, Soil 3d rate sandy, sagebrush and greasewood.
	North bet. secs 19 and 24 Var. 16° 35' E.
25.50	Dry Creek 18 lks. wide S.W.
40.00	Set a Lava stone 16×14×12 ins. 10 ins in ground for ¼ sec. cor. marked ¼ on W. face raised mound of stones alongside.
53.00	Dry Creek 22 lks. wide N.W.
54.00	Dry Creek 12 lks. wide W.
80.00	set a lava stone 16×9×8 in mound of stones for cor. to secs. 13. 18. 19 & 24 marked 3 notches on N & S. edges raised mound of stones alongside

Exteriors T. 15 S. R. 12 W.
353 East Boundary.

Chains	pits impracticable. Land Soil 3d rate, level sagebrush & greasewood.
	North bet. secs. 13 and 18. Var. 16°35' E.
7.50	Dry Creek 10 lks. wide W.
40.00	Set a Lava stone 19×16×5 in. in ground for 1/4 sec. c marked 1/4 on W. face. Dug pits 18×18×12 ins N. & S. of stone 5 1/2 ft. dist and raised mound of earth 1 1/2 ft. high 3 1/2 ft. base, alongside.
68.80	Dry Creek 18 lks. wide W.
73.40	Dry Creek 30 lks. wide W.
80.00	set a Lava stone 16×12×9 ins. 10 ins in ground for cor. to secs. 7. 12. 13 and 18 marked 2 notches on N and 4 on S. edges.

Exteriors T. 15 S. R. 12 W.
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East Boundary.

Chains	raised mound of stones along-side
	Land rolling, rocky sagebrush & greasewood.
	North bet. secs. 7 and 12 Var. 16° 35' E.
40.00	set a Lava stone 22×18×6 ins. 14 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face raised mound of stones along-side.
43.00	Road to Detroit Mines bears N E & S. W. set limestone 16×12×9 marked W. M. in mound of stones.
62.25	Dry Creek 30 lks. wide W.
4.50	top of knoll bears E. & W.
80.00	Set a Quartzstone 15×12×8 ins. 10 ins in ground for cor.

315

Exteriors T 15 S. R. 12 W.

355

East Boundary.

4 Chains	to secs. 1. 6. 7. 12 marked 1 mtr on N. and 5 on S. edges dry pit 18×18×12 ins. N. S. E. & W. of stone 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ base alongside.
	Land, mountainous [illegible] rocky, soil 3d rate, sagebrush & greasewood.
	North bet. secs 1 and 6 Var. 16° 35' E.
29.50	Dry Creek ~~22~~ 5 lks. wide W.
61 40.00	set a sandstone 9×8×6 ins 6 ins in ground .. for ¼ sec. cor. marked ¼ on W. face raised mound of stones along side.
42.00	Dry Creek 4 lks. wide dr. W.
62.50	Dry Creek 8 lks. wide dr. W.

Exteriors T. 15 S. R. 12 W.

East Boundary.

Chains	
3.00	Dry Creek 5 lks. wide W.
0.00	Set a Granite 22×12×12 ins. 14 ins. in ground for Cor. to T. 14 and 15 S. R. 11 and 12 West. marked 6 notches N. S. E. and W. Dug pits 18×18×12 ins. N. S. E. & W. of stone 5½ ft. dists. and raised mound of stones 3×3×4 feet alongside. Land, mountainous soil 3d rate, sagebrush, greasewood and bunchgrass.
	on 8000 lks May 31st 82

From the Cor. to T. 14 & 15 S. East R. 12 and 13 W. I run on a random line bet. said Townships Var. 16° 32' E. I set. temp. half mile and mile

Exteriors T. 14 & 15 S. R. 12 W.

North Boundary.

9	Chains	corners at 40 and 80 chs. Chains
		and find the township line
		to be 5 miles and 20 chs. (79 ch)
		and the falling to be 65 lks.
		north of the cor. to T. 43.0
		14 & 15 S., R. 11 and 12 W. 80.0
		The correction for the true
		line will therefore be
		10 5/6 lks South and 80 lks.
		west per mile, and its
		course will be N. 89° 55' W.
		From the above described
6		township 14 and 15 S.,
		R. 11 and 12 W. I run
		N 89° 55' W. on a true line
		bet. secs. 1 and 36
		Var. 16° 32' E.
	40.00	set a signature 15 x 9 x 9 ins. 10 ins.
		in ground for 1/4 sec. cor. marked

Exteriors T. 15 S. R. 12 W.

North Boundary

Chains	1/4 on N. face, dug pits 18×18×12 ins. E & W. of stone 5 1/2 ft. dist, raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside.
43.00	wash 45 lks wide drains N.W.
80.00	set a limestone 16×5×5 ins, 10 ins. in ground for cor. to secs. 1. 2. 35 and 36 marked 1 notch on E and 5 on W. edges, dug pits 18×18×12 ins, N. S. E. & W. of stone 5 1/2 ft. dist. raised mound of earth 2 ft. high 4 1/2 ft. base alongside,
	Land High rolling, soil 3d rate, sagebrush and greasewood, bunchgrass.
	N. 89° 55 W. on a true line bet. secs. 2 and 35.
	Var. 16° 32' E.

Exteriors T. 15 S. R. 12 W. 319

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North Boundary

Chains		Chain
40.00	set a limestone 16 x 6 x 6 ins, 10 ins. in gr. for 1/4 sec. cor. marked 1/4 on N. face, dug pits 18 x 18 x 12 ins. E & W. of stone 5 1/2 ft. dist. raised mound of earth 1 1/2 ft. high 3 1/2' base alongside.	40.0
80.00	set a limestone 12 x 6 x 5 ins 8 ins. in gr. for cor. to secs. 2.3.34 and 35, marked 2 Nat on E 4 on W. edges. dug pits 18 x 18 x 12 ins N. S. E & W. of stone 5 1/2 ft. dist raised mound of earth 2 ft. high 4 1/2 ft. base alongside.	49.5 2.5 80.0
	Land rolling, sandy, soil 3d rate, Sagebrush, greasewood, bunchgrass.	

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320

Exteriors T. 15 S. R. 12 W.

360

North Boundary

Chains	
	N. 89° 55 W. on a true line. bet. secs. 3 and 34
	Var. 16° 32' E.
40.00	Set a lava stone 16×9×9 10 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18×18×12 ins. E & W. of stone 5 1/2 ft. dist raised mound of earth 1 1/2 ft. high 3 1/2 ft. base alongside,
49.50	~~big~~ wash 40 lks. wide drains S. 300 ft. thence W. also foot of ridge
2.50	top of ridge bears N & S.
80.00	set a limestone 12×8×4 ins 8 ins. in ground for cor. to secs. 3. 4. 33. and 34, marked 3 notches in E and 3 on W. edges dug pits 18×18×12 ins, N. S. E. W. of stone 5 1/2 ft. dist. raised mound of stones and earth 2 ft.

Exteriors T 15 S. R. 12 W.

361

North Boundary.

Chains	high, 4½ ft. base, alongside on West side of ridge. Land first half rolling, last 30 ch. 50 lks mountainous, soil 3d rate, sagebrush, bunchgrass.	Chai 80.0
	N 89°55' W. on a true line bet. secs. 4 and 33. Var. 16°32' E.	
25.00	Wash 14 lks. wide Dr. N. W.	
40.00	set black limestone 14×12×8 ins. 8 ins in ground for ¼ sec. cor. marked ¼ on N. face dug pits 18×18×12 ins. E & W. of stone 5½ ft. dis. raised mound of earth 1½ ft. high 3½ ft. base alongside	25. 40.
66.75	dry Creek 15 lks. wide N. eng. 200' below in big dry Creek.	

Chains	
80.00	set limestone 12×9×8 ins. 8 ins. in ground for cor. to secs. 4. 5. 32 and 33 marked 4 notches on E and 2 on W. edges. Dug pits 18×18×12 ins. N. S. E. & W. of stone 5½ ft. dist. and raised mound of earth 2 ft. high 4½ ft. base alongside land, high rolling, soil 3d rate, sagebrush & bunch-grass.
	N 89° 55' W. on a true line bet. secs. 5 and 32 Var. 16° 32' E.
25.50	Dry Creek 20 lks. wide Dr. N.
40.00	set a limestone 16×12×8 ins. 10 ins. in ground for ¼ sec. cor. marked ¼ on N. face Dug pits 18×18×12 ins. E & W. of stone,

Exteriors T. 15 S. R. 12 W. 328

North Boundary.

Chains.	5½ ft. dist, and raised mound of earth 1½ ft. high, 3½ ft. base alongside.	Chains
68.50	top of small ridge bears N.W.	16.50
73.40	dry creek 20 lks. wide dr. N.	
80.00	set a limestone 14 x 8 x 6 in. 9 ins in ground for cor. to secs. 5. 6. 31 and 32 marked, 5 notches on E and 1 on W. edges dug pits 18 x 18 x 12 ins. N. S. E & W. of stone 5½ ft. dist, and raised mound of earth 2 ft. high 4½ ft. base alongside.	40.00
	Land rolling. soil 3rd rate, Sagebrush, bunch grass.	79.

Exteriors T. 15 S. R. 12 W.
North Boundary.

Chains	
	N 89° 55' W. on a true line bet secs. 6 and 31.
	Var. 16° 32' E.
16.50	Dry Creek 12 lks. wide drains N.
40.00	set a limestone 18×12×6 ins. 12 ins. in ground for 1/4 sec. cor. marked 1/4 on N. face dug pits 18×18×12 ins. E & W. 5 1/2 ft. dist. and raised mound of stones alongside.
79.20	the cor. to Tps. 14 and 15 S. R. 12 and 13 W.
	Land rolling, soil 3d rate, sagebrush, bunch grass.
	June 1st 82

365

C 25

General Description
The land in this township is mostly benchland or low rolling. Soil 2nd and 3d rate, covered with sagebrush, greasewood, and bunchgrass. Unfit for cult

Ferdinand Dicke
U. S. Dep. Surveyor

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, August 8th 1882

The foregoing field notes of the survey of the West, East & North boundaries

of

Township No. 15 S. Range No. 12 W

of the Salt Lake Meridian, Utah Territory,

Executed by Ferdinand Dickert

Under his contract No. 158

of the 16th day of May 1882,

in the month of May & June 1882,

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

Frk Salomon

U. S. Surveyor General for Utah.

BOOK-A-179

REPORT: 1883.

367

Filed 188

Examined by John H. Campbell

Compared by Ed. Michaelis, L. W. Hickok

FIELD NOTES

OF THE Re SURVEY OF THE

3rd Standard Parallel South.

OF

Township No. .....

Ranges No. S. 18 and 19 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew J. Stewart Jr.

U. S. Deputy Surveyor,

Under his Contract No. 103

Dated June 15th 1881

Survey commenced Feb 27th 1882

Survey completed " " 1882

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12.

Township 15 S. R. 18 W.

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
337	335	333	331	329	327

NAMES AND DUTIES OF ASSISTANTS.

Shadrach H. Richardson	Compassman.
James N. Stewart	Chainman.
Joseph T. Thompson	Chainman.
William J. Brown	Chainman.
James F. Myles	Chainman.
Joseph R. Myles	Axeman.
David E. Crafts	Axeman.
	Flagman.

61

8

Re-survey 3rd Standard Parallel S. R 18 W.

Chains

On the night of February 26th 1882. I took an observation on the Star Polaris in accordance with the instructions contained in the manual of surveys, and drove pickets on the line thus established.

Survey commenced Feb 27th 1882 with a Burt's improved Solar compass.

Before commencing this Survey, I test my compass on the line established last night and find it correct

I Begin at the cor to Tps 15 & 16 Rs 17 and 18 W. which is a lime stone 20 X 12 X 8 ins. marked S.C. with 6 notches E. W.

370 — Resurvey 3rd Standard par

Chains	
	and N. edges, firmly set in the ground, in a mound of earth and stone agreeing with description furnished ~~to~~ me by the Sur. Generals office
	Thence S. run
	West on a true re survey line ~~bet. secs.~~ along the South boundary of Sec. 36
	Va 16°30' E.
	Descend gently rolling mountain
20.50	Enter ravine course W.
39.00	Leave ravine course S.W.
40.00	Find lime stone, 15 x 10 x 8 ins. marked S.C. ¼ lying on surface by old mound of earth and stone 50 lks S. of line, se set same 10 ins. in ground for

parallel, South Range 18 W. Salt Lake Meridian

Chains.	re established standard
	¼ sec. cor. and raised a
	mound of earth and stone
	along side. I then con
	tinued my line West at
60.00	Ravine 100 lks. wide course
	S.W.
76.00	Top of spur of ridge,
	course S. a knoll on top
	of ridge bears N.E.
80.00	I find original stone 12X10
	X 6 ins lying by mound
	with pits, properly marked
	105 lks. S. of my line. I
	now proceed to re-estab=
	lish this cor. (as it is now in=
	adequate) by setting a blue
	lime stone 18X12X12 ins 12
	ins. in ground in orig=

Resurvey 3rd Standard parallel

Chains	
	inal mound for re-established cor to secs. 35 and 36 marked S.C. with 1 notch E. 5 notches W. edges with a mound of earth and stone along side
	Land rolling mountain descends toward W. 1 soil, mixed with rock and gravel, 3rd and 4th rate mountains on 80 chs.
61	West, on a true resurvey line along South boundary
8	sec 35.
	Va 17°15' E.
	(Note I find to reproduce the 3rd standard parallel

South Range 18 W. Salt Lake Meridian.

Chains.	
	South it is necessary to change the vernier of my instrument from 16°30' E to 17°15' E as above)
	Descend gently sloping mountain and bench
5.00	Leave mountain, descent more gradual over high bench course N.W. and S.
39.80	Trail leading from mountain to spring course N.E. & S.W.
40.00	I find original mound cor. ~~x~~ no where to be found but a blue lime stone 14X10X 6 ins 9 ins. in ground for re-established stand and ¼ sec. cor. marked S.C. ¼ on N. face and raised a mound of earth and stone

Resurvey 3rd Standard Parallel

Chains		Chains
	along side.	
80.00	Find old cor stone broken and mound hardly recognisable. Set a blue lime stone 16 X 12 X 6 ins 11 ins. in ground in old mound for the re established cor. to Secs. 34 and 35. marked S C. with 2 notches E and 4 notches W. edges. and raised a mound of earth and stone along side.	40.00
	Land sloping bench and mountain, soil 2nd rate mountains on 5 chs.	42.0
		53.5
		80.0

West, on a true resurvey line along South boundary Sec 34.

South, Range 18 West Salt Lake Meridian.

Chains

Va 17°15' E.

Descend gently sloping bench

40.00 Find Lime stone 12X7X7 mound has nearly disappeared, Set a lime stone 14X10X6 ins. 9 ins. in ground for re-established Standard ¼ sec. cor. marked S. C. ¼ on N. face and raised a mound of earth and stone along side

42.00 Ravine 2 ft deep course S.W.

53.50 Trail course N.W. and S. E.

80.00 No trace of old cor.

Set a blue lime stone 14X10X 4 ins. 9 ins. in ground for re established Standard Cor. to secs. 33 and 34, marked S. C. with 3 notches on E and

Resurvey 3rd Standard Parallel

Chains	
	W edges and raised a mound of earth and stone along side
	Land gently sloping bench soil 2nd rate
	"No timber"
	West, on a true resurvey line along South boundary sec. 33
	Va. 17°15' E
	Over gently sloping bench
23.00	Wash 3 ft. deep course S.W
40.00	Find Lime Stone 15 X 10 X 8 ins.
	firmly set in the ground re marked it S.C. ¼ on N. face for reestablished ¼ sec. cor. and raised a

South, Range 8 East Salt Lake meridian

Chains	
	mound of earth and stone along side
0.940	Road from Deseret to salt marsh course N. W. and S. E.
80.00	Find Original Cor. a lime stone 14 X 8 X 6 ins. firmly set in the ground, marked S. C. 4 notches E. and 2 notches W. edges, but mound has melted down, I therefore dig pits 18 X 18 X 12 ins N. E and W. of cor. 5½ ft. dist. and raise a mound of earth 2 ft. high 4½ ft. base along side for re-established Standard Cor. to sec. 32 and 33.
	Land nearly level bench slopes S. W.

V. C. E. = Survey 3rd Standard Parallel

Chains.	
	Soil good 2nd rate No timber
	West, on a true resurvey line along the south boundary Sec 32, Va 17° 15' E.
	Over nearly level ground descending W.
40.00	Find cor lying on surface, re set a Lime stone 13 x 9 x 6 ins. 8 ins. in ground for re-established ¼ sec cor. marked S. C. ¼ on N. face, dug pits 18 x 18 x 12 ins E. and W. of cor 5½ ft. dist raised a mound of earth 1½ ft. high 3½ ft. base

South Range 8 West Salt Lake Meridian

Chains.	
	along side
65.00	Descend bench course S. E. and N. W. and enter greasewood bush
68.00	Foot of bench enter mead ow grass and greasewood bush course S. E. and N. W. Spring good water S. W. about 50 chs.
80.00	Mound and pits have entirely disappeared, I find a lime stone 12 X 8 X 6 ins. marked S. C. with 5 notches E. and 1 notch W. edge, lying on the surface; reset same 8 ins in ground, for re-established Cor. to Sect. 31 and 32, dug pits 18 X 18 X 12

Resurvey 3rd Standard Parallel

Chains — ing N. E. and N.W. of stone 5½ ft dist. and raised a mound of earth 2 ft high 4½ ft. base along side land mark. Level.
Soil 1st and 2nd rate
Undergrowth greasewood on 18 chs.

West, on a true resurvey line along the South boundary Sec. 31
Va 17°15' E.
Over level ground through brush
12.00 Leave greasewood and enter meadow course S. E and N.W.

North, Range 87 East, Salt Lake Meridian

Chains	
14.00	Spring branch runs N. W 20 lks. wide
20.00	S. end of Salt Marsh Lake course N. and S. here about 3 ft. deep, water evaporate in summer and this lake becomes a marsh and sometimes almost dry
38.00	Knoll bears N. & S.
40.00	Find limestone 13 X 8 X 6 ins firmly set in the ground marked S.C. ¼ on N. face, no trace of mound, dig pits 18 X 18 X 12 ins E. and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft high 3½ ft base along side.

Resurvey 3rd Standard Parallel South.

Chains	
41.00	Leave Knoll and acr. of Lake.
62.50	Leave Lake or Marsh course N. 10° W. ~~and~~ about 6 miles and S., and enter meadow
80.00	A lime stone 24X12X12 ins firmly set in a mound of Earth and stone, marked S.C. with 6 notches N.E and W. edges as per description furnished me by office dug pits 24X18X12 ins crosswise on each line N. E. and W. of stone 6 ft. dist. and raised a mound of earth 2 ft high 5 ft base along side. Standard Cor. new township between ranges 18 and 19 W.

Range 19 West, Salt Lake Meridian

Chains | Land level.
Soil 1st rate
Greasewoon on 12 chs.

West, on a true resurvey line along South boundary Sec 36
Va 17°15' E

23.00 Fresh water springs branch 15 lks. wide runs N. E heads S.W.

40.00 Find limestone 14X10X6 marked S.C. ¼ lying on surface reset same with marks on N. face 9 ins in ground, for reestablished ¼ sec cor. mound being leveled; dig pits 18X18X12

Resurvey 3rd Standard Parallel ~~South~~

Chains		Chains
	ins E. and W. of cor. 5½ ft. dist. raised a mound of Earth 1½ ft. high 3½ ft. base along side	
8.00	A Lime Stone 13X12X8 ins. lying by mound, reset same 8 ins in ground for re est= ablished cor to Secs. 35 and 36, marked S.C. with 1 notch E and 5 notches W. Edges. dug pits 18X18X12 ins. N. E. and W. of stone on line 5½ ft. dist. raised a mound of Earth 2 ft high 4½ ft. base along side from which	28.00 40.00 61.5

Land level meadow, soil 1st rate
" No Timber

South, Range 19 West, Salt Lake Meridian.

Chains.	
	West, on a true re-survey line along South boundary Sec. 35. Va 17°15' E
	Over level meadow
28.00	Leave meadow and entered greasewood course N. and S.
40.00	A lime stone 14X10X6 on surface near mound - re-set same 9 ins. in ground for re-established ¼ sec. cor. marked S.C. ¼ on N. face, dug pits 18X18X12 ins. E and W. of cor. 5½ ft. dist. raised a mound of earth 1½ ft high 3½ ft base along side
61.50	Enter scattering willows and meadow & leave greasewood a spring of good water ¼ mile S.W.

We survey 3rd Standard Parallel

Chains.

78.50 Leave meadow springs and willows and enter greasewood. Course N.W. and S.E.

80.00 Find Limestone 13X8X6 ins. firmly set in ground, for Cor to Secs 34 and 35, marked S.C. with 2 notches E. and 4 notches W. edges. Mound is nearly obliterate therefore dig pits 18X18X12 ins. N. E and W. of stone 5½ ft. dist. and raise a mound of earth 2 ft. high 4½ ft base along side

Land nearly level

Soil rich black loam 1st rate

Undergrowth greasewood on 35 chains.

BOOK

South

Chains.

40.00

63.0

80.0

South Range 19 West, Salt Lake Meridian.

Chains.	
	West, on a true resurvey line along the south boundary sec. 34 Va 17° 25' E.
	Over level ground through brush,
40.00	Find no trace of ¼ sec. cor. set a cobble stone 14X10X6 ins 9 ins. in ground for re-established Standard ¼ sec. cor. marked S.C. ¼ on N. face, dug pits, 18X18X12 ins E and W. of stone 5½ ft. dist. and raised a mound of earth 1½ ft high 3½ ft. base along side.
63.50	Road course N. W. and S. E.
80.00	Find line stone 14X8X5 firmly set in ground

Resurvey 3rd Standard Parallel

Chains	marked S.C. with 3 notches on E and W. Edges, mound is nearly leveled, dug pits 18X18X12 ins. in Each Sec.	Chains. 1.50
	5½ ft. dist. and raised a mound of Earth 2 ft high	29.00
	4½ ft. base ~~over it~~ along side	37.00
	Land nearly level soil 2nd rate	
	undergrowth greasewood on 80 00 Chains.	40.00
	West, on a true resurvey line along South boundary Sec. 33 Va 17°15' E	

South - Range 19 West Salt Lake Meridian

Chains.	
	Over nearly level ground through brush
1.50	Road to Ralph L. Bassitts ranch course N.W. and S.E.
29.00	Spring ~~crek~~ or Warm creek 15 lks. wide runs S.E
37.00	Leave greasewood and enter Ralph L. Bassitts cultivated field course N.W. and S.E
40.00	Find lime stone 17X10X10 ins. lying on surface in cultivated field no trace of mound or pits re-set same 11 ins. in ground for re established ¼ sec. cor. marked S.C. ¼ on N. face, dug pits 18X18X12 ins E. and W. of stone 5½ ft dist.

Chains	and raised a mound of earth 1½ ft high 3½ ft. base along side
	From which Almond Rhodes house bearse S 40° W. about 25 chs dist
76.00	Leave cultivated field at water ditch 10 lks wide Course N.W. and S.E
80.00	Find lime stone 16 X 10 X 8 ins. lying in a ditch Reset same 11 ins. in ground for re established cor. to Secs. 32 and 33. marked S.C. with 4 notches E and 2 notches W. Edges dug pits 18 X 18 X 12 ins N. E and W. of Stone 5½ ft dist. raised a mound of

South, Range 19 W. Salt Lake Meridian

Chains.

Earth 2 ft high 4½ ft base along side
Land nearly level soil 1st rate a part highly cultivated, there is a settler in Sec. 33. and a settler in Sec 4.
Each having Valuable farms and Permanent improvements
Undergrowth greasewood on 37 chs.

West, on a true resurvey line along South boundary Sec 32
Va 17°15' E

Chains		Chains.
	ascend gently sloping ground	
16.85	Water ditch 5 lks. wide runs E. & W.	
40.00	A Lime stone 14X8X6 ins. 9 ins. in ground for Standard 1/4 Sec Cor. marked S.C. 1/4 on N. face raised a mound of earth and stone along side for re established 1/4 Sec cor	
57.50	Wash 10 ft deep course N. E and S.W. ascend bench	
80.00	Find Lime stone 18X14X9 ins. on surface, re set same 12 ins. in ground for re established Standard Cor. to Secs 31 and 32, marked S.C. with 5 notches E and 1 notch W. Edges	40.00

North Range 19 West Salt Lake Meridian

Chains. and raised a mound of earth and stone along side

Land nearly level and rolling

Soil 1st and 2nd rate

"No timber"

West, on a true resurvey line along the south boundary of Sec. 31

Va. 17°20' E

Ascend gently rolling bench

4.00 Find no trace of ¼ Sec cor. Set a a blue lime stone 14X12X 6 ins. 9 ins. in ground for reestablished standard ¼ Sec. cor. dug pits 18X18X12 ins. E and W. of stone

Resurvey 3rd Standard Parallel

Chains	
	5½ ft. dist. raised a mound of earth and stone 1½ ft high 3½ ft. base alongside
80.00	The cor to Tps 15 & 16 R. 19 and 20 W. which is a Lime stone 18X12X10 ins. marked S.E. with 6 Notches on N.E and W. edge in a mound of stone agreeing with the description furnished me by the Sur. General's Office.
	about 20 chs S Westerly from Spring land gently rolling beech soil 2nd rate
	No timber
	Feb. 27/82

South Range 19 W. Salt Lake Meridian

Chains.

General Description

For description of this line see subdivision Notes of township 16 South range 18 West and township 15 South, range 19 West of the Salt Lake Meridian

U. S. Dep. Surveyor.

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U. S. SURVEYOR GENERAL'S OFFICE, 396

Salt Lake City, Utah, July 22nd, 1882

The foregoing field notes of the survey of the

3rd Standard Parallel South.

Township No. ..... Ranges Nos. 18 & 19 W.

of the Salt Lake Meridian, Utah Territory,

Executed by Andrew J. Stuart Jr.

Under his contract No. 103

of the 15th day of June 1881,

in the month of Feb 1882,

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

Fred Salomon

U. S. Surveyor General for Utah.

BOOK-A-179

397

REPORT: 1883

Filed 188

Examined by John H. Campe

Compared by E. Michaelis & L. W. Hickok

FIELD NOTES

OF THE SURVEY OF THE

East and West & North Boundaries

OF

Township No. 15 South

Range No. 19 West

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew J. Stewart Jr.

U. S. Deputy Surveyor,

Under his Contract No. 103

Dated 15th June 1881

Survey commenced Feb. 28th 1882

Survey completed March 1st 1882

18

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Township 15 S. R. 19 W.

385	383	382	381	379	378
6 480	5 457	4 440	3 422	2 405	1 363
479	478	456	439	421	404
7 476	8 454	9 437	10 419	11 402	12 360
475	474	453	436	418	400
18 472	17 451	16 434	15 417	14 398	13 359
471	469	450	433	415	397
19 468	20 448	21 431	22 414	23 395	24 357
466	465	447	430	412	393
30 464	29 446	28 428	27 410	26 392	25 355
462	461	444	426	409	390
31 459	32 442	33 425	34 407	35 389	36 354
350	348	345	344	342	340

NAMES AND DUTIES OF ASSISTANTS:

Shadrach M. Richardson ..... Compassman.
James M. Stewart ..... Chainman.
Joseph E. Thompson ..... Chainman.
William J. Brown ..... Chainman.
James F. Ogles ..... Chainman.
Joseph R. Ogles ..... Axeman.
David C. Craft ..... Axeman.
..... Flagman.

E. Boundary T. 15 S. R. 9 W. S.W.

Chains

On the night of February, 27th 1882 I took an observation on the Star Polaris, in accordance with instructions contained in the Manual of Surveys, and drove pickets on the line thus established

Survey commenced Feb. 28th 1882. with a burts improved Solar Compass.

Before commencing this line and survey I test my compass on the line established last night, and find it correct. I begin at the standard cor to Tps. 15 S. Rs. 18 and 19 W. re established by my self

Thence I run.

East 3rd Boundary
Exteriors, T. 15 S. R. 19 W.

Chains	
	North bet. secs. 31 and 36. Va 17° 15' E.
	Over level ground
40.00	Deposited a quart of charcoal 12 ins. in ground for ¼ sec. cor., dug pits 18X18X12 ins. N. and S. of cor. 5½ ft. dist., raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in ground marked ¼ on W. face.
80.00	Deposited a quart of charcoal 12 ins. in ground for cor. to secs. 25, 30, 31 and 36. dug pits 18X18X12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base over it. In S. E. pit drove a stake 2 ft long

Salt Lake Meridian.

Chains. 2 ins. square, 12 ins. in ground marked,
T. 15 S. 30 on N. E.
Re. 18 W. S. 31 on S. E.,
Re. 19 W. S. 36 on S. W. and
S. 25 on N. W. faces, with 1 notch S. and 5 notches N. edges.
Land level meadow.
Soil 1st rate.
No timber

North Bet. Secs. 25 and 30,
Va 17°15' E.

Over level ground.
40.00 Deposited a quart of charcoal 12 ins. in ground, for 1/4 Sec. Cor., dug pits 18 X 18 X 12 ins. N. and S. of Cor. 5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high

East 35th Boundary
Exterior T. 15 S. R. 19 W.

Chains.	3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in ground marked ¼ on W. face.	Chains
80.00	Deposited a quart of charcoal 12 ins. in ground for cor. to Secs. 19, 24, 25 and 30, dug pits 18X18X12 ins. in each Sec. 5½ ft. dist., and raised a mound of earth 2 ft high 4½ ft. base over it. In S. E. pit drove a stake 2 ft. long 2 ins square 12 ins in ground, marked T. 15 S. S. 19 on N. E., R. 18 W. S. 30 on S. E. R. 19 W. S. 25 on S. W. and S. 24 on N. W. faces with 2 notches S. and 4 notches N. Edge	10.00 40.00 50.00
	Land Level meadow soil 2nd rate.	

Salt Lake Meridian

Chains.	
	No timber
	North bet. secs. 19 and 24.
	Va. 17°15' E.
	Over level land through
	brush,
10.00	Top of Knoll about 10 ft. high
40.00	Deposited a marked stone, 12 ins
	in ground for 1/4 sec. cor., dug
	pits 18X18X12 ins. in each sec
	5½ ft. dist. raised a mound
	of earth 1½ ft. high 3½ ft.
	base over it. In N. pit
	drove stake 2 ft. long 2 ins.
	square 12 ins. in ground,
	marked ¼ S on W. face
50.00	Road leading from the
	salt marsh to Bassetts course
	E and W.

East Boundary

404 Exteriors T. 15 S. R. 19 W.

Chains.	
80.00	Deposited a quart of charcoal 12 ins. in ground for the cor. to secs. 13, 18, 19 and 24, dug pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist., and raised a mound of earth 2 ft. high 4½ ft. base over it ~~at S. side of road~~ in S. E. pit drove stake 2 ft. long 2 ins. square 12 ins. in ground marked, T. 15 S. 18 on N. E., R. 18 W. S. 19 on S. E. R. 19 W. S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on N. and S. edges. Land nearly level soil 2nd rate undergrowth greasewood on 80. chs.

Chains

10.5

40.00

60.0

80.00

Salt Lake Meridian.

Chains.	
	North, bet. secs. 13 and 18
	Va. 17°15' E.
	Over nearly level ground
	through brush
10.50	A knoll about 8 ft high
40.00	Deposited a quart of char
	coal 12 ins. in ground for ¼
	sec. cor., dug pits 18X18X12 ins. N.
	and S. of cor 5½ ft. dist. and rais=
	ed a mound of earth 1½ ft.
	high 3½ ft. base over it.
	In N. pit drove a stake
	2 ft. long 2 ins. square 12
	ins. in ground, marked ¼ on
	N. face.
60.00	A. Road course N. W. and S. E.
80.00	Deposited a marked stone 12
	ins. in ground for cor. to sec.
	7, 12, 13 and 18, dug pits 18X18
	X12 ins. in each sec. 5½ ft.

East 360 Boundary

Exteriors T. 15 S. R. 19 W.

Chains.	
	dist. raised a mound of earth 2 ft. high 4½ ft. base over it. In S. E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in ground marked T. 15 S. S. 7 on N. E., R. 18 W. S. 18 on S. E. R. 19 W. S. 13 on S. W. and S. 12 on N. W. faces, with 4 notches S. and 2 notches N. edges Land level, soil, clay and sandy loam 1st and 2nd rate. undergrowth greasewoods on 80 chs.
	North bet. secs. 7 and 12. Va 17°15' E.

BOO

Chains

31.50

32.50

35.00

40.00

41.30

50.00

Salt Lake Meridian

Chains.	
	Over level ground through brush.
31.50	Foot of sand ridge course N.W. and S.E. ascend
32.50	Top of sand ridge about 10 ft. high course N.W. and S.E.
35.00	Foot of bench course N.W. + S.E.
40.00	Deposited a marked stone 12 ins. in ground for ¼ sec. cor. dug pits 18X18X12 ins N. and S. of cor. 5½ ft. dist., raised a mound of earth 1½ ft. high 3½ ft. base over it In N. pit drove stake 2 ft. long 2 ins. square 12 ins in ground, marked 1/4 S. on W. face.
41.30	Wash 2 ft deep 10 lks. wide course E.
50.00	Enter sand Knolls course E+W.

East Boundary
362

408 Exterior, T. 15 S., R. 19 W.

Chains.	
80.00	Deposited a marked stone, 12 ins. in ground for cor. to sec. 1, 6, 7, and 12, dug pits 18X18X12 ins. in each sec. 5½ ft. dist., raised a mound of earth 2 ft. high 4½ ft. base over it in S. E. pit drove stake 2 ft. long 2 ins. square 12 ins. in ground marked, T. 15 S. 6 on N. E., R. 18 W. S. 7 on S. E., R. 19 W. S. 12 on S. W. and S. 1 on N. W. faces, with 5 notches S. and 1 notch on N. edges. Land level and rolling soil, mixed with gravel and clay loam 1st and 2nd rate

Chain

1.00

39.0

40.0

Chains. undergrowth greasewood on 80 chs.

North, bet. secs. 1 and 6
Wa 17°15' E.
Over Knolly Land through brush
1.00 Wash 1 ft. deep 10 lks wide course E
39.00 Wash 2 ft. deep 15 lks. wide course E.
41.00 Deposited a marked stone 12 ins. in ground for ¼ sec. cor, dug pits 18X18X12 ins. N. and S. of cor. 5½ ft. dist. and raised a mound of Earth 1½ ft. high 3½ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square

East Boundary

410 Exterior T. 15 S. R. 19 W.

Chains. 12 ins. in ground, marked
4 S. on W. face.

80.00 Deposited a quart of charcoal 12 ins. in ground for the cor. to Tps. 14 and 15 S. Rs. 18 and 19 W., dug pits 24 x 18 x 12 ins. N. S. E. and W. 6 ft. dist. raised a mound of earth 2½ ft. high 5 ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in ground, marked
T. 14 S. 31 on N. E.,
R. 18 W. S. 6. on S. E.,
T. 15 S. 31 on S. W. and
R. 19 W. S. 36 on N. W. faces.
with six notches on each edge.
Land Level, soil

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Salt Lake Meridian

Chains. 1st rate.

Undergrowth greasewood

on 80.00 chs.

Feb 28 1882.

West Boundary
366
Exteriors T. 15 S. R. 19 W.

March 17th/82

Chains.	
	From the Standard Cor. to Tps. 15 S. R. 19 and 20 W. re-established by my self, and returned with work of present contract No 103. From North, bet. secs. 31 and 36 Va 17°15' E.
	Over ascending ground
3.50	Road course N. 10° W and S. 10° E.
4.00	Top of ridge about 10 ft. above corner course E & W.
19.25	Foot of mountain course N. W. and S. E. Ascend
40.00	Set a lime stone 24X18X12 ins. 18 ins. in ground for ¼ sec. cor., marked ¼ on W. face, and raised a mound of stone along side on E. slope of mountain, spring

BOOK-

Chains.
45.50
50.00
60.00
70.00

Salt Lake Meridian

Chains

at head of Warm Creek
is about ¼ of a mile S. E.

45.50 Top of ridge about 1000 ft.
above Valley course S. W.

50.00 Trail in pass or saddle in
mountain about 60 ft below
ridge course E. and W.

60.00 Spur of ridge descends W.

70.00 Set a blue limestone 24X14
X10 ins. 18 ins. in ground for
Cor. to Secs. 25, 30, 31 and 36,
marked 1 notch S. and 5 notch-
es N. edges, and raised a
mound of stone alongside,
on the W. face of moun-
tain.

Land S. ¼ mile gently rolling
N. ¾ mile rough mountain
soil 2nd and 4th rate
mountains on 69.75 chs

West Boundary
368

Exteriors T. 15 S., R. 19 W.

Chains	North between Secs. 25 & 30 Va 17°15' E.	Chains
	Over rolling mountain along W. face of mountain	80.00
25.00	Top of mountain about 1500 ft. above Valley course N.W. and S.E., descend along E. face of mountain	
35.00	Head of Cañon descends E.	
40.00	Set a white Flint stone 16X10 X 8 ins., 11 ins. in ground for ¼ sec. cor., marked ¼ on W. face and raised a mound of stone along side.	
45.00	Top of spur of ridge descends E.	
50.00	Bottom of Cañon about 180 ft. below ridge descends E.	
60.00	Top of spur of ridge, about	

Chains.	150 ft above Canon, descend abruptly
80.00	Set a Lime stone 30X12X12 ins 22½ ins. in ground for the cor to secs. 19, 24, 25 and 30, Marked 2 notches S. and 4 notches N. edges, dug pitts 18X18X12 ins. in each sec 5½ ft. distance raised a mound of Earth 2 ft high 4½ ft base along side.
	Land rolling rough and broken mountain Soil mixed with rock and gravil 3rd and 4th rate
	mountains on 80.00 Chains.

West Boundary

Exterior T. 15 S. R. 19 W.

Chains.	
	North between sections 19 and 24
	Va. 17°15' E.
	Over rolling ground, descend
1.70	Descent from ledge 12 ft. high course E and W.
11.60	To bottom of broad hollow and foot of main mountain about 1200 feet below top
12.00	To wash, in hollow, 2 ft. deep 30 lks. wide course same as hollow S. E.
13.50	To N. side of hollow ascend abruptly
17.00	Top of abrupt ascent about 100 ft. above bottom. Leave mountain and ascend flat pass
21.70	Road from Utah to Nevada

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Salt Lake Meridian

Chains.	
	course S. E. and N. W.
26.25	Wash 50 lks. wide 2 ft deep course E.
37.50	Foot of mountain course E. and W., ascend
40.00	Set a lime stone 20 X 15 X 10 ins. 15 ins. in ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone along side
57.50	Top of E. slope of mountain about 300 ft above foot. course E. descend abruptly
61.50	To foot of mountain course S. E. and N. W.
80.00	Set a blue lime stone 16 X 10 X 8 ins. 11 ins. in ground for the cor. to secs. 13, 18, 19 and 24 marked 3 notches on N. and S. edges, dug pits 18 X 18 X 12

418 E

Wm Bamdey
372

Exteriors T. 15 S. R. 19 W.

Chains. ins. in each sec. 5½ ft. dis and raised a mound of earth 2 ft high 4½ ft base alongside.

Land rolling mountain and nearly level bench
Soil 2nd and 3rd rate
Mountains on 41 Chs.

North between secs. 13 and 18
Va. 17°15' E.

8.50 Road from Salt marsh to Cherry Cr. S. 30° E.

4000 Set a blue lime stone 14 x 7 x 6 ins. 9 ins. in ground for ¼ sec cor. marked ¼ on W. face, dug pits 18 x 18 x 12 ins. N. and S. of Stone 5½ ft. dist. and raised a mound of earth 1½ ft high 3½ ft. base alongside

6000 Top of ridge 10 ft. high,

Chains. 80.00

7.00

Salt Lake Meridian

Chains. course E. and W.

80.00 Set a blue lime stone 14X10X6 ins, 9 ins. in ground for the cor. to secs. 7, 12, 13 and 18, marked 4 notches S. and 2 notches N. edges, dug pits 18X12X12 ins. in each sec. 5½ ft distant, raised a mound of earth 2 ft. high 4½ ft. base along side.

Land gently rolling, soil mixed with rock and gravel 3rd and 4th rate

No timber

North bet secs. 7 and 12
Va 17° 15' E.

Over gently rolling bench

7.00 Wash 50 lks. wide 4 ft. deep

West Boundary
874

Exterior T. 15 S. R. 19 W.

Chains.	
	Course E.
20.00	Top of ridge about 10 ft. above wash
29.40	Wash 40 lks. wide 4 ft. deep.
	Course E. ascend mountain
40.00	Set a said stone 14X10X8 ins. 9 ins. in ground for ¼ Sec. cor. Marked ¼ on W. face, dug pits 18X18X12 ins. N. and S. of stone 5 ft. dist. raised a mound of Earth 1½ ft high 3½ ft. base along side
42.70	To top of ridge about 80 ft. high course S. E. and N. W.
52.50	To bottom of ravine about 60 ft. below ridge course E.
54.50	Top of ridge about 170 ft. above hollow, course E. and W; descend
71.50	Bottom of hollow or Cañon about 200 ft. below ridge

Chains.
80.00

Salt Lake Meridian.

Chains.	
80.00	course E. ascend
	Set a quartzite 14X7X6 ins.
	9 ins. in ground for the
	cor. to Secs 1, 6, 7 and 12.
	marked 5 notches S. and 1
	notch N. Edges and raised
	a mound of Earth and stone
	along side.
	Land rolling bench
	and mountain
	soil, mixed with rock and
	gravel 2nd and 4th rate
	mountains on 50.60 chs.
	North between Secs. 1 and 6
	Va. 17°15' E.
	Over table land or bench
19.00	To top of bench course E+W.
27.50	fwall course E and W.

Exteriors T. 15 S. R. 19 W.

Chains.		Chains
40.00	Set a Lime Stone 14X7X6 ins, 9 ins. in ground for ¼ sec. cor. marked ¼ on W. face, dug pits 18X18X12 ins. N. and S. of cor. 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft. at base along side.	
43.50	Wash 75 lks. wide 3 ft deep drains E.	
55.00	Wash 25 lks. wide 4 ft. deep course E.	
62.00	Wash 25 lks. wide 3 ft. deep drains E	
71.00	Wash 60 lks. wide 6 ft. deep Course E. ascend.	
80.00	Set a lime stone 17X10X6 ins 1½ ins. in ground for the co to Tps. 14 and 15 S. Rs. 19 and 20 W., marked	

Salt Lake Meridian.

Chams. with 6 notches N. S. E. & W. edges, raised a mound of earth and stone along side
Land high and gently rolling table land.
Soil, mixed with sand, 2nd and 3rd rate
"No Timber"

From the cor. to Tps. 14 and 15 S. Rs 19 and 20 W. I run East on a random line bet. said Tps. the Va of my compass being 17° 15' E.
I set temporary half mile and mile corners at each 40 and 80

Chains. Chains, and find the township line to be 5 miles 78 chains and 60 lks. long and the falling to be 154 lks. N. of the cor. to Tps. 14 and 15 R. 18 and 19 W.

80.00

The correction for the true line will therefore be $25\frac{2}{3}$ lks. S. and 140 lks. W. per mile and its course will be N. 89°49' W.

N. 89°49' W. on a true line bet Secs 1 and 36

Va. 17°15' E

Over nearly level ground Through brush

40.00 Set a cobble stone 14X10X4 ins. 9 ins. in ground for ¼ sec. cor.

Salt Lake Meridian.

Chains. marked 4 on N. face, dug pits 18X18X12 ins E. and W. of cor. 5½ ft. dist and raised a mound of earth 1½ ft high 3½ ft. base along side.

80.00 Set a blue lime stone 15X8X6 ins 10 ins. in ground for the cor to secs. 1, 2, 35 and 36, marked 1 notch E. and 5 notches W. edges and raised a mound of earth and stone along side.

Land descends gently to E soil sandy loam 1st rate undergrowth greenwoods on 80 chs.

N. 89° 49' W. on a true line between secs 2 and 35

Va 17° 15' E.

Ascend gently sloping ground

426 C

Warth Boundary 380

Exteriors T. 15 S. R. 19 W.

Chains.	Through brush
40.00	Set a cobble stone 16 X 10 X 8 ins. 11 ins. in ground for ¼ sec. cor. marked ¼ on N. face and raised a mound of earth and stone along side.
43.00	Leave greasewood course N. and S.
80.00	Set a granite stone 16 X 10 X 8 ins. 11 ins. in ground for the cor. to secs. 2, 3, 34 and 35. marked 2 notches E. and 4 notches on W. edges, and raised a mound of earth and stone along side. Land gently ascending soil loam and mixed with gravil 2nd and 3rd rate. Undergrowth greasewood on 43 chains

Salt Lake Meridian.

Chains.	
	N. 89°49' W. on a true line between Sect. 3 and 34
	Va 17°15' E.
	Over bench gently ascending
12.00	Road from Salt Marsh to pleasant Valley course
	N. 30° W and S. 30° E.
40.00	Set a granite stone 18X10 X6 ins. 12 ins. in ground for ¼ sec. cor. marked ¼ on N. face and raised a mound of earth and stone along side
57.80	A Rocky wash course S. E.
80.00	Set a quartzite stone 18 X12X 8 ins. 12 ins. in ground for the cor. to Sect. 3, 4, 33 and 34, marked 3 notches on E. and W. edges, raised a mound of earth and stone along side.

North Boundary
382
Exterior T. 15 S. R. 19 W.

Chains.		Chains.
	Land gently rolling bench soil mixed with gravil 2nd rate.	80.00
	No timber	
	N. 89° 49' W. on a true line bet. secs 4 and 33	
	Va 17° 15' E.	
	Ascend bench	
18.00	Foot of mountain course N. and S. ascend	
40.00	Set a blue lime stone 14 x 12 x 8 ins, 9 ins. in ground for ¼ sec. cor. marked ¼ on N. face and raised a mound of earth and stone along side	
45.00	Top of mountain about 200 ft high course N. and S. descend	

Salt Lake Meridian.

Chains.

80.00 Set a blue lime 20 X 8 X 8 ins. 15 ins. in ground, for the cor. to secs. 4, 5, 32 and 33. marked 4 notches E and 2 notches W. edges, and raised a mound of earth and stone along side. at ft of mountain

Land rolling bench and mountain

Soil 2nd and 4th rate.

mountains on 62. chs.

N. 89° 49' W. on a true line, bet secs. 4, 5 & 32.

Va 17° 15' E.

Over gently rolling ground

E 430 Worth Boundary 384

Exterior T. 15 S. R 19 W.

Chains	
40.00	Set a blue lime stone 14X8X5 ins. 9 ins. in ground, for ¼ sec. cor. marked ¼ on N. face, dug pits 18X18X12 ins. E. and W. of cor. 5½ ft. dist. raised a mound of earth 1½ ft. high 3½ ft. base along side.
78.00	Wash 2 ft deep 30 lks. wide course S.E.
80.00	Set a blue lime stone 15X12X ins. 10 ins. in ground for the cor. to secs 5, 6, 31 and 32. marked 5 notches E. and 1 notche West edges, dug pits 18X18X12 ins in each sec. 5½ ft. dist. raised a mound of earth 2 ft. high 4½ ft. base along side
	Land rolling bench.
	Soil 2nd and 3rd rate

Salt Lake Meridian

Chains.	"No Timber"
	N. 89°49' W. on a true line bet. secs 6 and 31.
	Va 17°15' E.
	Over high rolling bench
16.75	Wash 60 lks. wide 3 ft. deep course S. E
33.50	Top of ridge about 15 ft high course S. E.
40.00	Set a blue Lime stone 15X8X6 ins. 10 ins. in ground for ¼ Sec. Cor. marked ¼ on N. face. raised a mound of earth and stone along side.
62.00	Wash 25 lks. wide 5 ft deep course S. E
64.50	Wash 40 lks. wide 3 ft. deep course S. E.

432 West Boundary 386

Exterior Tp. 15 S. R. 19 W. S. L. M.

Chains.	
72.00	Wash 30 lks. wide 5 ft. deep course S. E.
78.60	The cor. to Tps. 14 and 15 South Rs. 19 and 20 W.

Land gently rolling bench soil, mixed with rock and gravel 2nd and 3rd rate

No Timber

Mch 1st. /82

For General Description see subdivision notes of this Township

Andrew J. Stewart Jr.
U. S. Deputy Surveyor

BOOK-A-179

U. S. SURVEYOR GENERAL'S OFFICE,

Salt Lake City, Utah, July 22nd 1882

The foregoing field notes of the survey of the

East and West & North Boundaries,

Township No. 15 S. Range No. 19 W.

of the Salt Lake Meridian, Utah Territory,

Executed by Andrew J. Stewart Jr.,

Under his contract No. 103

of the 15th day of June 1881,

in the months of Feb & March 1882,

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

Fred Salomon

U. S. Surveyor General for Utah.

BOOK-A-179 386-A

REPORT: 1883 1883

435

Filed 1882

Examined by John H. Campe.

Compared by Ed. Michaelis & L. W. Flickok

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions.

OF

Township No. 15 South

Range No. 19 West.

OF THE

SALT LAKE MERIDIAN

IN

UTAH TERRITORY,

AS SURVEYED BY

Andrew J. Stewart, Jr.

U. S. Deputy Surveyor,

Under his Contract No. 103

Dated June 15th 1881

Survey commenced March 2nd 1882

Survey completed March 8th 1882

19

NAMES AND DUTIES OF ASSISTANTS:

Shadrach M. Richardson ..... Compassman.
James N. Stewart ..... Chainman.
Joseph F. Thompson ..... Chainman.
Brigham J. Brown ..... Chainman.
James F. Ogles ..... Chainman.
Joseph R. Ogles ..... Axeman.
David E. Kraft ..... Axeman.
..... Flagman.

Chains

Subdivisions T. 15 S. R. 19 W.

Chains On the night of March 1st 1882 I took an observation on the star polaris in accordance with instructions contained in the Manual of surveys and drove pickets on the line thus established.

Survey commenced March 2nd 1882 with a Vernier compass manufactured by W. and L. E. Gurley examined and approved by the Surveyor General of Utah.

Before commencing this survey I test my compass on the line established last night and find it correct.

I begin at the cor to townships 15 South, Ranges 16 and 17 West on 3d Standard parallel S.

Chains		Chains
	North on a blank line.	
	on the E boundary secs. 36 At	
	39.37 chs found the ¼ sec cor. and	
	at 80.01 chs. found the sec. cor.	37.50
	My compass will therefore run	40.00
	the same line as the exterior	
	boundaries, and the chaining	
	practically agrees.	
	I commence at the cor. to secs.	
	35 and 36, on the 3d stand-	
	-ard parallel South which is a	
	limestone 13×12×8 ins	
	firmly set in the ground and	
	marked S.C. with 1 notch on E and	50.0
	5 notches on W. edges. with pits	
	18×18×12 ins. N. E. and W of	58.
	Stone 5½ ft dist. with a mound	60.0
	of earth 2 ft high 4½ ft base	80.0
	alongside.	
	Thence I run.	

Salt Lake Meridian

Chains	
	North bet. secs 35 and 36.
	Va. 17°15' E.
	Over level meadow
37.50	Enter greasewood
40.00	Deposited a quart of charcoal 12 ins. in ground for ¼ sec. cor. dug pits 18 X 18 X 12 ins. N. and S. of cor. 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it In N. pit drove stake 2 ft. long 2 ins square 12 ins. in ground, marked ¼ S. on W. face.
50.00	Spring branch 2 lks wide 10 ins. deep course East.
58.60	Road bears E and W.
60.00	Leave greasewood
80.00	Deposited a quart of charcoal 12 ins. in ground, for cor. to secs. 25 26, 35 and 36. dug pits

18 X 18 X 12 ins. in each sec 5 ft 40.00
dist., raised a mound of earth 80.20
ft. high, 4½ ft. base over it.
In S. E. pit, drove stake 2 ft
long 2 ins square 12 ins. in
ground, marked
T. 15 S. R. 25 on N. E.
R. 19 W. S. 36 on S. E.
S. 35 on S. W. and 40.10
S. 26 on N. W. faces, with 1 notch
on S. and E. edges. Land level.
Soil mixed with clay 2 inches
undergrowth greasewood on 22.50 chs.

East, on a random line, bet
Secs. 25 and 36
Va. 17° 15 E. 80.2
Over level meadow
34.50 Wagon road course N. 60° E.
60° W.

Salt Lake Meridian.

40.00	Set a temperary ¼ sec. cor.
80.20	Intersect E. boundry of township at 10 lks. S. of cor. to secs. 25, 30, 31 and 36. which was established by my self.
	Thence I run
	S. 89°56' W. on a true line, bet. secs 25 and 26 with same Va.
40.10	Deposited a quart of charcoal 12. ins. in ground for ¼ sec cor. dug pits 18X18X12 ins. E and W of cor., 5½ ft dist., and raised a mound of earth 1½ ft. high 3½ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins square, 12 ins. in ground, marked ¼ S. on N. face
80.20	The cor. to secs. 25, 26 35 and 36.
	Land level
	Soil mixed with clay 2nd rate
	no timber

Chains	
	North, bet, secs. 25 and 24. Va. 16° 20' E.
	Over level ground.
12.00	Enter brush.
40.00	Deposited a quart of charcoal, 12 ins. in ground, for ¼ sec. cor., dug pits. 18 × 18 × 12 ins. N. and South of same, 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base over it. In N. pit drove stake 2 ft. long 2 ins. square, 12 ins. in ground, marked ¼ S. on N. face
81.00	Deposited a quart of charcoal 12 ins. in ground for cor. to secs. 23, 24, 25 and 26, dug pits 18 × 18 × 12 ins. in each sec. 5½ dist., raised a mound of earth 2 ft. high 4½ ft. base over it. In S. E. pit drove a stake 2 ft.

Salt Lake Meridian

6 hams long 2 ins square 12 ins.
in ground marked T. 15 S.
S. 24 on N. E.
R. 19 W. S. 25 on S. E.
S. 26 on S. W. and
S. 23 on N. W. faces with 2 notches
on S. and 1 notch E. edges
Land nearly level.
Soil mixed with clay and
gravel. 2d rate
Undergrowth greasewood
and mountain rush on 68 chs.

East on a random line
bet. secs. 24 and 25
Va 17° 10' E
Over level land, through grease-
wood and rabit brush.

Subdivisions T. 15 S. R. 4

Chains.	
40.00	Set temporary ¼ sec. cor.
61.50	Leave brush and enter meadow
63.25	Enter rose brush.
64.75	Leave rose brush.
79.90	Intersect E boundary of township
	45 lks S of cor to secs. 19, 24, 25 and
	30 established by myself.
	Thence Gunn
	S 89° 41' W on a true line bet. secs.
	13 and 24 with same va.
39.95	Deposited a quart of charcoal 12
	in ground for ¼ sec cor., dug pits
	18×18×12 ins. E and W of cor 5½
	ft dist and raised a mound of
	earth 1½ ft hight 3½ ft base over
	On E pit drove a stake 2 ft
	long, 2 ins square 12 ins in ground
	marked ¼ sec on N face.
79.90	The cor to secs. 23, 24, 25 and 26

Chains

8.85

13.7

32.0

33.0

40.

Salt Lake Meridian

Chains	
	Land level.
	Soil clay mixed with gravel
	2d rate
	Undergrowth greasewood,
	rabbitt and rose brush. on 64.75 chs
	North bet Secs. 23 and 24
	Va. 17°15' E
	Over bench. through greasewood
	and mountain rush
8.85	Road from salt marsh bears
	N 60° E and S 60° W.
13.70	Foot of bench. Road bears N 10° E
	and S. 10° W. Leave brush.
32.00	Top of bench about 60 ft high.
	bears N 60° E and S 60° W
33.00	Road bears N 80° E and S 80° W
40.00	Deposited a quart of charcoal

Chains		Chains
	12 ins in ground for ¼ sec cor dug pits 18×18×12 ins. N and S. of same 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base over it.	
	In N pit drove stake 2 ft long 2 ins square, 12 ins. in ground, marked ¼ S. on W face	
80.00	Deposited a quart of charcoal 12 ins in ground for cor. to secs 13, 14, 23 and 24. dug pits 18×18×12 ins, in each sec 5½ ft dist	26.50
	Raised a mound of earth 2 ft high 4½ ft base over it	40.0
	In S.E. pit, drove a stake 2 ft long. 2 in square, 12 ins in ground marked T15 S. S 13 on N.E.	68.00
	Range 19 W S 24 on S.E.	79.0
	Sec 23 on S.W. and	79.8
	Sec 14 on N.W. faces with	

Salt Lake Meridian

Chains	3 notches on S. and 1 notch E edges
	Land level and rolling
	Undergrowth, greasewood on
	13.70 chs.
	East on a random line bet secs.
	13 and 24.
	Va 17°, 15' E.
26.50	Road bears N 15° E and S 15° W
40.00	Set temporary ¼ sec cor
68.00	Road at foot of bench bears N 60° E
	and S 60° W
[illegible].50	Top of bench about 60 ft high.
79.00	Road to salt marsh bears N 60° E
	and S 60° W.
79.86	Intersect E bound of township 40 lks
	S of cor to secs. 13, 18, 19 and 24. estab-
	-lished by myself

Subdivisions T.15 S. R.19 W.

Chains	
	Thence I run
	S 89° 43' W on a true line bet secs
	13 and 24 with same va.
39.93	Deposited a quart of charcoal 12 in
	in ground for ¼ sec. cor. dug
	pits 18×18×12 ins E and W of same
	5½ ft dist and raised a mound of
	earth 1½ ft high. 3½ ft base over it.
	In E pit drove a stake 2 ft
	long. 2 ins square. 12 ins in grou
	marked ¼ s on N face
79.86	The cor to secs 13.18.19 and 24.
	Land level 68 chs. remainder
	rolling bench
	Soil clay mixed with gravel.
	2d rate.
	Undergrowth greasewood on
	79.86 chs.

Chains
31.00
32.00
35.00
40.00
0.00
80.00

Salt Lake Meridian.

Chains	
	North bet secs 13 and 14 Va 17°15' E
	Cover uneven ground
31.00	A wash. 20 lks across. 2 ft deep course E and W
32.00	Top of ridge course E and W
35.00	Enter greasewood brush extends E and W
40.00	Deposited a marked stone 12 ins. in ground for ¼ sec. cor. dug pits 18×18×12 ins. N and S of cor. 5½ ft dist. and raised a mound of earth 1½ ft high. 3½ ft base over it. In N pit drove a stake 2 ft long. 2 ins square 12 ins in ground marked ¼ S. on W face.
0.00	Ravine course E.
80.00	Set a lime stone 14×10×6 ins. 10 ins in ground for cor. to secs 11. 12. 13. and 14 marked with 4 notches on

Chains	
	and 1 notch on E edges, dug pits 18×18×12 ins each sec, 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base, alongside
	Land broken.
	Soil, clay mixed with gravel
	2d rate
	Undergrowth, greasewood, on 45 chs.
	East on a random line bet secs 12 and 13.
	Va 17° 15' E
	Over level land, through greasewood
40.00	set temporary ¼ sec. cor.
59.25	Wagon road bears S 39° E and dist
79.80	Intersect East boundary of township 25 lks N of cor to secs 7, 12, 13 and 18, established by myself

Chains	
	Then
	N 8,
	12 a
2.90	Dep
	in g
	18×
	dis
	1½ f
	dra
	12
	N
79.80	Th
	La
	S
	W

Chains Thence S run.
N 89° 49' W on a true line bet. secs
12 and 13 with same va.
39.90 Deposited a marked stone 12 ins
in ground for ¼ sec. cor. dug pits
18×18×12 ins. N and S. of cor. 5½ ft
dist and raised a mound of earth
1½ ft high, 3½ ft base, over it. In N. pit
drove a stake 2 ft long 2 ins square
12 ins. in ground marked ¼ S on
N. face.
79.80 The cor. to secs. 11.12.13 and 14.
Land, level.
Soil, clay mixed with gravel. 2d rate
Undergrowth, greasewood on 79.80 chs.

Chains	
	North bet secs 11 and 12. Va 17° 15' E.
	Over uneven ground, through greasewood brush.
18.00	Leave greasewood, extends E and W
29.00	Ravine 4 links across, 2 ft deep com
40.00	Set a blue lime stone 18×10×6 ins 12 ins in ground for ¼ sec cor marked ¼ S. on W face, dug pits 18×18×12 ins N and S. of cor. 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base, over it. In N pit drove a stake 2 ft long, 2 ins square, 12 ins in ground marked ¼ S. on W face.
42.00	Enter brush
45.95	Road to Salt-marsh bears N 45° and S 45° E.
70.50	Sand ridge bears E and W.
80.00	Deposited a marked stone 12 ins in ground for cor. to secs. 1, 2, 11.

Salt Lake Meridian.

Chains and 12. dug pits 18×18×12 ins. in each sec. 5½ ft dist and raised a mound of earth 1½ ft high 4½ ft base over it. In S.E pit drove a stake 2 ft long. 2 ins square. 12 ins in ground. marked

T15 S.S1 on N.E.

R19 W.S.12 on S.E.

S.11 on S.W., and

S.2 on N.W. faces with 5 notches on S and 1 notch on E edges.

Land rolling.

Soil clay mixed with sand and gravel 2d and 3d rate.

Undergrowth. greasewood on 67 chs.

Chains	
	East on a random line bet secs 1 and 12.
	Va 17° 15' E
	Land rolling, covered with sand knolls and greasewood brush.
4.50	Ravine 10 lks across 1½ ft deep drains S. E.
40.00	Set temporary ¼ sec. cor.
79.90	Intersecte E boundary of township 25 lks S. of cor. to secs. 1. 6. 7 and 12, established by myself.
	Thence I run S 89° 49' W on a true line bet secs 1 and 12 with same Va.
39.95	Deposited a marked stone 12 ins in ground for ¼ sec cor. dug pits 18×18×12 ins. E and W of line 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base over. In E pit drove a stake 2 ft long

	Chains	2 ins square. 12 ins. in the ground marked ¼ on S. on N. face.
	79.90	The cor to secs. 1. 2. 11 and 12.
		Land rolling and broken.
		Soil. sandy 2d rate.
		Greasewood brush on 80. chs
		North on a random line bet. secs. 1 and 2.
		Va 17° 15' E
		Over level land covered with greasewood brush.
	5.00	Ravine 8 lks. wide 18 ins deep. drains S. E.
	40.00	set temporary ¼ sec. cor.
	53.50	Leave clay and enter sandy soil
	79.75	Intersect N. boundary of township 40 lks E. of cor to secs. 1. 2. 35 & 36.

Chains		
	established by myself. Thence I run.	
	S 0° 17' E. on a true line bet. secs. 1 and 2 with same va.	
39.	39.75	Deposited a quart of charcoal 12 ins. in the ground for ¼ sec. cor. dug pits 18×18×12 ins N. and S. of cor. 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base, over it. In N. pit drove a 2 ft long 2 ins square 12 ins. in the ground marked ¼ S on W. face.
	79.75	The cor. to secs. 1. 2. 11 and 12.
		Land nearly level.
		Soil clay mixed with sand.
		2d rate
		Greasewood on 79.75 chs.
		March 2nd 1882.

Chains

7.0
9.5
37.
40.

Salt Lake Meridian.

Chains

From the corner to secs 34, and 35 on the Third Standard parallel South, which is a limestone 16×10×8 ins. firmly set in ground marked with 2 notches on E and 4 notches on Wedges and pits 18×18×12 ins in each sec. 5½ ft dist with mound of earth 2 ft high 4½ ft base alongside Thence S run

North bet secs 34 and 35

Va 17°15' E

Over level ground: through greasewood

7.00 Leave greasewood. Enter meadow

9.50 Leave meadow. Enter greasewood

37.50 Road bears N 80° E and S 80° W.

40.00 Deposited a quart of charcoal 12 ins in ground for ¼ sec. cor. dug pits 18×18×12 ins N and S of cor 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft. base

Chains	
	over it In N pit drove a stake 2 ft long. 2 ins square. 12 ins. in ground, marked ¼ S on W. face
74.50	Wagon road bears N 70° E
	Smith's house bears S 30° E about 35 chs
80.00	Deposited a quart of charcoal 12 ins in ground for cor to secs 26. 27. 34 and 35. dug pits 18×18×18 ins. in each sec. 5½ ft dist. raised mound of earth 2 ft high 4½ ft b over it. In S.E. pit drove a stake 2 ft long, 2 ins. square. 12 ins in ground marked T 15 S. S. 26 on N E. R 19 W. S 35 on S. E. S 34 on S W and S 27 on N W faces with 1 notch on S. and 2 notches on E edges Land almost level.

Salt Lake Meridian.

Chains	
	Soil black salty loam 3d rate
	Grease wood brush on. 77.50 chs.
	East on a random line
	bet secs. 26 and 35.
	Va 17° 15' E
	Over gently descending ground.
	through greasewood brush.
21.35	Wagon road bears North and South
40.00	Set temporary ¼ sec cor.
49.50	Begin to descend bench.
78.75	A spring branch 7 lks across course
	S. E.
79.50	Leave greasewood. Enter meadow.
80.20	Intersect N and S line 18 lks S. of
	cor to secs. 25. 26. 35 and 36
	Thence I run
	S 89° 52' W on a true line bet secs

Chains	
	26 and 35 with same va.
40.10	Set a post 3 ft long 3 ins square with marked stone 12 ins in grou for ¼ sec cor. marked ¼ S on N. fa dug pits 18×18×12 ins. N and W of post 5½ ft dist, and raised a mound of earth 1½ ft high 3½ ft base around post
80.20	The cor. to secs 26. 27. 34 and 35
	Land nearly level.
	Soil 2d rate.
	Greasewood brush on 79.50 ch
	North bet secs. 26 and 27
	Va 17°15' E
	Over nearly level land. Throu greasewood brush.
1.87	Wagon road bears N 25° E and

Salt Lake Meridian.

Chains	
	S 25° W.
40.00	Deposited a marked stone 12 ins. in ground for ¼ sec. cor. dug pits 18×18×12 ins N and S of cor. 5½ ft dist. and raised a mound of earth 1½ ft hight 3½ ft base over it. On N pit drove a stake 2 ft long 2 ins square 12 in ground marked ¼ S. on W face.
40.95	Road to salt marsh and Bassetts ranch bears N 70° E and S 70° W
51.50	Road to salt marsh and Cherry creek bears N 80° W and S 80° E.
80.00	Deposited a marked stone 12 ins in ground for cor. to secs 22. 23. 26 and 27 dug pits. 18×18×12 ins in each sec. 5½ ft dist and raised a mound of earth 2 ft high. 4½ ft base over it. On S.E. pit drove stake 2 ft long 2 ins.

Chains	
	square. 12 ins. in ground. marked
	T 15 S. S 23 on N. E.
	R 19 W. S 26 on S. E.
	S. 27 on S. W and
	S. 22 on N. W. faces with 2 notches
	on S and 2 notches on E. edges.
	Land level
	Soil. sandy loam. 1st and 2nd
	rate
	Greasewood brush on 80. chs.
7	East on a random line
	bet secs 23 and 26.
	Va 17° 15' E
	Over nearly level land. diverging E. through greasewood brush
40.00	set temporary ¼ sec cor.
48.20	Ravine 10 lks across. 1 ft deep

Chains	
	S. E.
56.80	Road to salt marsh bears N 70° E and S 70° W.
59.00	Road to salt marsh bears N 75° E and S 75° W.
80.64	Intersected N and S line 40 lks S. of cor. to secs 23, 24, 25 and 26
	Thence I run
	S 89° 44' W on a true line bet secs 23 and 26 with same va.
40.32	Set a blue limestone 14×7×6 ins. 9 ins. in ground for ¼ sec cor marked ¼ on N face. dug pits 18×18×12 ins E. and W. of stone 5½ ft dist. and raised a mound of Earth 1½ ft high 3½ ft base alongside.
	Land, nearly level.
	Soil, mixed with sand and gravel 2d rate.
	Greasewood brush on 80.64 chs.

Chains	North bet secs 22 and 23. Va 17°15' E
	Over level land, through grease-wood brush.
11.80	Road bears E and W.
16.40	Road bears E and W
40.00	Deposited a marked stone 12 ins in ground for ¼ sec cor, dug pits 18×18×12 ins. N and S of cor 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base over it. In N pit drove a stake 2 ft long 2 ins square, 12 ins in ground marked ¼ S. on W face.
75.00	Leave greasewood.
80.00	Deposited a marked stone 12 ins in ground for cor to secs 14, 15, 22, and 23, and dug pits 18×18×12 in each sec, 5½ ft dist, and raised mound of earth 2 ft high 4½ ft

Salt Lake Meridian.

Chains	base, over it, In S.E. pit drove stake
	2 ft long, 2 in square, 12 in ground.
	marked
	T 15 S & 14 N. E.
	R 19 W. & 23. S. E.
	S 22. S.W. and
	S 15 N.W. with 3 notches on S. and
	2 notches on E edges.
	Land level.
	Soil, Sand and clay loam.
	1st and 2d rate.
	Greasewood brush on 75 chs.
	East on a random line
	bet secs 14 and 23.
	Va 17° 15' E
	Over bench, descending gently E.
26.50	Descend from bench.

Subdivisions T. 15 S., R. 19 W.

Chains	
40.00	set temporary ¼ sec. cor.
80.50	Intersect N and S line 72 lks S. of cor to secs. 13. 14. 23 and 24.
	Thence S run.
	S 89° 29' W on a true line bet secs. 14 and 23 with same va.
40.25	Deposited a quart of charcoal 12 ins. in ground for ¼ sec. cor. dug pits 18×18×12 ins E and W of cor 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base on it. In E pit drove a stake 2 ft long 2 ins. square, 12 ins in ground, marked ¼ on N face
80.50	The cor. to secs 14. 15. 22 & 23
	Land mostly level,
	Soil. clay mixed with gravel
	No timber

Salt Lake Meridian.

Chains	
	North bet secs 14 and 15
	Va 17°15' E
	Over nearly level Land.
40.00	Set a lime stone 15×8×7 ins 10 ins in ground for ¼ sec. cor. marked ¼ S. on W. face, dug pits 18×18×12 ins. N and S. of stone 5½ ft dist. and raised mound of earth 1½ ft high 3½ ft base along side.
43.00	A ravine 2 ft deep 10 lks wide. course E
80.00	Set a lime stone 18×10×8 ins 12 ins in ground for cor. to Secs 10, 11, 14 and 15 marked with 4 notches on S. and 2 notches on E east edges. dug pits 18×18×12 ins in each sec. 5½ ft dist, and raised a mound of earth 2 ft high 4½ ft base alongside,
	Land, level.
	Soil, Sandy. 2d rate.
	No timber.

Chains	
	East on a random line bet. secs 11 and 14
	Va 17°15' E
	Over uneven land.
4.50	A ravine 4 ft deep 30 lks wide c. S. E
10.50	Enter greasewood.
40.00	~~Set temporary 1/4 sec. corn~~
80.60	Intersect N and S line 15 lks of cor. to secs. 11. 12. 13 and 14.
	Thence S. run
	S 89°53' W on a true line bet. secs 11 and 14 with same va.
40.30	Deposited a marked stone 15 in ground for 1/4 sec. cor. dug pits 18×18×12 ins E and W of cor 5½ ft dist. and raised a mound of earth 1½ ft high. 3½ ft base at it. In E. pit drove a stake 2 ft long. 2 ins square. 12 ins in grou

Chains
80.60
10.00
12.00
14.90
18.80
40.00

Chains.	
	marked ¼ S. on N face.
80.60	The cor to secs. 10.11.14. and 15
	Land gently rolling.
	Soil mixed with gravel and sand.
	2d and 3d rate.
	Greasewood brush on 69.50 chs.
	North bet. secs. 10 and 11.
	Va 17° 15' E
	Over uneven land,
10.00	Top of bench 15 ft high.
12.00	Foot of bench.
14.90	Ravine 2 ft deep. 15 lks wide course E.
18.80	Road bears N. E. and S. W.
40.00	Deposited a marked stone 12 ins.
	in ground for ¼ sec cor. dug
	pits 18×18×12 ins. N. and S. of cor.
	5½ ft dist and raised a mound

Chains		
		of earth 1½ ft high 3½ ft base on it, On N. pit drove a stake 2 ft long, 2 ins. square, 12 ins. in ground marked ¼ on W. face.
61.00		A Wash 6 ft deep, 2 chs wide course E.
65.00		A wash 8 ft deep 1 ch wide course
74.30		Road bears N.E. and S.W.
80.00		Set a lime stone 15×10×6 ins. in ground for cor. to secs. 2, 3, 10 and 11, marked with 5 notches S. and 2 notches on E edges, dug pits 18×18×12 ins. in each sec. 5 ft dist and raised a mound of earth 2 ft high, 4½ ft base along
		Land, gently rolling.
		Soil, mixed with clay and sand 2d rate.
		No timber.

Chains	
	East on a random line bet secs. 2 and 11.
	Va 17° 15' E.
	Over uneven land.
8.75	Wagon road bears N 60 W. & S 60° E.
29.25	Wash 20 lks wide 2 ft deep. course S 60° E
37.00	Enter greasewood.
40.00	Set temporary ¼ sec cor.
44.50	Road bears S.W. and N.E.
69.50	Wagon road bears S.E. and N.W.
80.56	Intersect N and S line 40 lks S. of cor. to secs 1, 2, 11, and 12. Thence
	Run
	S 89° 43' W on a true line bet. secs 2 and 11. with same Va.
40.28	Deposited a marked stone 12 ins. in ground for ¼ sec. cor. dug pits 18×18×12 ins. E and W. of cor 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base. over it.

Chains	In E pit drove a stake 2 ft
	2 ins. square, 12 ins. in ground
	marked ¼ on N face.
80.56	The cor. to secs. 2, 3, 10 and 11.
	Land gently sloping E
	Soil sandy 2d rate
	Greasewood brush on 47.56 chs.
	North on a random line
	secs. 2 and 3
	Va 17° 15' E
	Over level land.
24.00	Wash 2 ft deep 20 lks wide drain
35.00	Wash 3 ft deep 30 lks wide drain
40.00	Set temporary ¼ sec. cor.
59.25	Road to salt marsh and Pleas
	valley bears N 30° W and S 30° E
62.50	Wash 2 ft deep 20 lks wide

Salt Lake Meridian

9 chains	drains S. E.
to 7.00	Wash 2 ft. deep 20 lks. wide drains S. E.
79.80	Intersect N. boundary of township.
	30 lks. E. of the cor. to secs. 2, 3, 34 and 35
	established by myself.
	Thence I run
	S. 13' E. on a true line bet. secs.
	2 and 3. With same Va.
39.80	Set a blue lime stone, 15 X 8 X 7 ins.
	10 ins. in ground for 1/4 sec. cor, marked
	1/4 S. on W. face, dug pits, 18 X 18 X 12 ins.
	N. and S. of stone 5½ ft. dist. and
	raised a mound of earth and
	stone along side.
79.80	The cor. to secs 2, 3, 10 and 11.
	Land nearly level
	soil, clay mixed with gravel
	3rd rate.
	"No timber"
	March 3rd 1882.

Chains.

On the night of March 3rd 1882 I took an observation on the star Polaris in accordance with instructions contained in the Manual of Surveys and drove pickets on the line thus established.

Before commencing this line I test my compass on the line established last night and find it correct.

From the cor. to secs. 33 and 34. on the 3rd Standard parallel South which is Gray Limestone 15 X 12 X 6 ins, firmly set in the ground, and marked with 3 notches on E. and W. edges and C.C. with a mound of earth and stone along side

Form.

Chains	
	North bet secs. 33 and 34.
	Va 17° 15' E.
	Over uneven land.
40.00	Deposited a marked stone 12 ins in ground for ¼ sec cor. dug pits 18×18×12 ins N and S. of cor. 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base over it. In N. pit drove a stake 2 ft long 2 ins square 12 ins. in ground marked ¼ S on W. face: Ralph Bassett's house bears S 59° 30' W
	Ascend abruptly.
45.00	Top of steep ascent.
74.00	Road bears N 80° E and S 80° W
77.50	Leave brush.
80.00	Deposited a marked stone 12 ins in ground for cor. to secs. 27, 28, 33 and 34. dug pits 18×18×12 ins in each sec. 5½ ft dist, and raised

Chains.	a mound of earth 2 ft high 4½	Chains
	ft base over it. In S.E. pit drove	2.00
	stake 2 ft long 2 ins square	14.75
	ins. in ground. marked	34.50
39.	T 15 S. S 27 on N.E.	40.00
	R 19 W S 34. on S.E.	62.50
	Sec 33 on S W and.	66.50
	S 28 on N W faces with 1 notch	70.00
	on S and 3 notches on E edges	80.00
	Land rolling	
	Soil clay mixed with gravel	
	2d and 3d rate.	
	Greasewood brush on	77.50 ch
	Bassetts' house bears S 36 30' W.	40.00
	East on a random line bet	
	Secs. 27 and 34.	
	On a 17° 75' E	
	Over broken ground.	

Chains	
2.00	Enter greasewood brush.
14.75	Road bears N.E. and S.W.
34.50	Leave greasewood.
40.00	Set temporary ¼ Sec cor
62.50	Top of bench.
66.50	Enter greasewood.
70.00	Foot of bench
80.00	Intersect N and S line 40 lks S. of cor to secs 26.27.34 and 35. Thence I run S 89° 43' W. on a true line bet secs. 27 and 34 with same va.
40.00	Deposited a marked stone 12 ins. in ground for ¼ sec cor. dug pits 18×18×12 ins. E and W of line 5½ ft dist. and raised a mound of earth 1½ ft high 3½ base, over it. In E pit drove a stake 2 ft long 2 ins. square 12 ins. in ground marked ¼ S. on

chains	
	N. face
80.00	The cor. to secs. 27.28.33 and 34
	Land broken.
	Soil gravelly. 4th rate
	Greasewood on 46 chs.
	North bet secs 27 and 28.
	On 17°15' E
	Over uneven land, through greasewood.
38.70	Wash 3 ft deep 20 lks wide course N 80° E.
40.00	Set a white limestone 28×16×12 ins. in ground for ¼ sec. cor. marked ¼ on W face. dug pits 18×18×12 ins. N. and S of stone ft dust and raised a mound of 1½ ft high, 3½ ft base alongside

chains
49.00
71.75
73.70
80.00

Chains	
49.00	Road to salt marsh via Bassetts' ranch bears S 30° W and N 30° E.
71.75	Road from salt-marsh to Cherry creek bears N 77° W and S 77° E
73.70	Wash 2 ft deep 20 lks wide course S 80° E
80.00	Set a blue lime stone 14×10×8 ins 9 ins in ground for cor. to secs. 21, 22, 27 and 28. Marked with 2 notches on S. and 3 notches in E edges, dug pits 18×18×12 ins. in each sec. 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base alongside,
	Land uneven.
	Soil clay mixed with sand.
	2d and 3d rate
	Undergrowth greasewood on 80 chs

Chains	
	East on a random line bet. secs 22 and 27
	Va 17°15' E
	Over level land, through greasewood.
39	
9.50	Road bears N and S.
36.00	Road bears N and S.
40.00	Set temporary ¼ sec cor.
79.90	Intersect N and S line 18 lks S. of cor to secs 22, 23, 26 and 27. Thence
	Run
	S 89°52' W on a true line bet secs 22 and 27 with same va.
39.95	Set a blue lime stone 14×10×8 ins 9 ins in ground for ¼ sec. cor. marked ¼ on N face, dug pits 18×18×12 ins E and W of cor. 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along
79.90	The cor. to secs. 21, 22, 27 and 28.
	Land nearly level.

Chains
3.25
4.10
6.00
7.00
8.25
10.00
20.00
37.50
40.00

Salt Lake Meridian.

	Chains	Soil mixed with sand and gravel 2d rate.
		Greasewood on 79.90 chs.
		North bet Secs. 21 and 22
		Va 17°15' E
		Over nearly level ground.
	3.25	Road bears E and W.
	4.10	Wash 2 ft deep 20 lks wide course E
	6.00	Wash 4 ft deep 25 lks wide course E
	7.00	Road bears E, and W.
	8.25	Wash 1 ft deep 100 lks wide course E
	10.00	Foot of bench
	20.00	Top of bench 30 ft high bears E and W
	37.50	Head of hollow course E
	40.00	Set a black limestone 14×8×6 ins. 9 ins. in ground for ¼ Sec. cor. marked ¼ on W face. dug pits

Chains		Chains
	18×18×12 ins. N and S of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside	
58.90	Road bears N. E. and S. W.	40.00
80.00	Set a black limestone 16×12×10 ins. 11 ins in ground for cor. to Secs. 15. 16. 21 and 22. marked with 3 notches S and 3 notches on E edge, dug pits 18×18×12 ins, in each sec. 5½ ft dist. and raised a mound of earth 2 ft high 3¼ ft base along.	45.10
		79.50
		39.75
	Land level.	
	Soil clay mixed with gravel.	
	Greasewood on 80 chs.	
		79.50

Salt Lake Meridian.

chains	
	East on a random line bet secs. 15 and 22.
	Va. 17°15' E
	Over nearly level land
40.00	Set temporary ¼ sec. cor.
45.10	Road bears N 20° E and S 20° W.
79.50	Intersect N and S. line 65 lks S. of cor. to secs 14.15.22 and 23. Thence I run
	S 89° 32' W on a true line bet secs 15 and 22. with same va
39.75	Deposited a quart of charcoal 12 ins in ground for ¼ sec cor. dug pits 18×18×12 ins E and W. of cor 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base over it. In E pit drove stake 2 ft long. 2 ins. square; 12 ins in ground, marked ¼ S. on N face.
79.50	The cor. to secs 15.16.21 and 22.

Chains	
	Land level
	Soil, mixed with clay and gravel 2d rate
	Grease wood on 79.50 chs.
	North bet secs. 15 and 16. Va 17° 15' E
	Land level.
18.00	Foot of ridge bears E and W
24.00	Top of ridge about 80 ft high
27.00	Foot of ridge at S side of reservoir
40.00	Set a lime stone 14×10×6 ins. 9 in ground for ¼ sec. cor. marked ¼ on W face, dug pits 18×18×12 ins N and S. of cor. 5½ ft dist, and raised a mound of earth 1½ ft high 3½ ft base, alongside.

Chains
70.00
80.00

Salt Lake Meridian.

Chains	
70.00	Top. of ridge bears N 38° W and S 38° E. This is N side a natural reservoir about 18 ft deep.
80.00	Deposited a marked stone 12 ins in ground for cor. to secs 9, 10, 15 and 16, and dug pits 18×18×12 ins in each sec 5½ ft dist, and raised a mound of earth 2 ft high 4½ base over it, In S.E. pit drove stake 2 ft long 2 ins square, 12 ins in ground marked T 15 S 9 0 on N.E. R 19 W. S 15 on S.E. S 16 on S W and S 9 on N W faces. with 4 notches on S and 3 notches on E. edges. Land rolling bench. Soil mixed with gravel 2d rate Greasewood on 80 chains.

Chains	
	East on a random line bet.
	secs 10 and 15
	Va 17°15' E,
	Over gently descending ground
	sloping E.
5.50	Foot of ridge bears S 38° E and
	N 38° W. Road bears N and S. E.
40.00	Set temporary ¼ sec cor
79.70	Intersect N. and S line 30 lks S.
	of cor to secs 10.11.14 and 15 Thence
	I run.
	S 89° 49' W. on a true line bet.
	Secs 10 and 15 with same va.
39.85	Deposited a marked stone 12 ins
	in ground for ¼ sec cor. dug
	pits 18×18×12 ins. E. and W. of cor
	5½ ft dist and raised mound of
	earth 1½ ft high 3½ ft base over
	In E pit drove stake 2 ft long
	2 ins. square, 12 ins in ground

Salt Lake Meridian.

chains	
	marked ¼ S on N face.
79.70	The cor. to secs 9.10.15 and 16.
	Land first half mile uneven. last half mile level.
	Soil clay mixed with gravel.
	2d and 3d rate
	Greasewood on 79.70 chains
	North bet secs. 9 and 10.
	Va 17° 15' E
	Over uneven ground
4.00	Foot of ridge bears S 38° E and N 38° W.
5.75	Wagon road bears N. W. and S. E.
35.50	Wash 40 lks wide 8 ft deep course.
	S 80° E
35.75	Road bears E and W.
40.00	Set a limestone 15×9×7 ins. 10 ins ground for ¼ sec cor. marked ¼

Chains.		Chains.
	on W face, and raised a mound	
	of stone alongside; pits being im-	
	-practicable.	
40.50	Bottom of hollow. 25 ft deep course E.	
42.50	Leave hollow	32.75
71.50	Top of ridge bears E.	40.00
73.50	Wash 8 ft deep 200 lks wide.	40.60
80.00	Set a blue lime stone 16×10×8 ins.	79.80
	in ground for cor to secs. 3. 4. 9.	
	and 10. marked with 5 notches on	
	S, and 3 notches on E, edges, dug	
	pits 18×18×12 ins. in each sec. 5½ ft	
	dist and raised mound of earth 2 ft	39.9
	high 4½ ft base alongside.	
	Land broken.	
	Soil clay mixed with gravel 2d rate	
	No timber	

Salt Lake Meridian.

Chains.	
	East on a random line bet secs. 3 and 10
	Va 17° 15' E
	Over descending ground.
32.75	Wagon road bears S 10° W and N 10° E
40.00	Set temporary ¼ Sec. cor.
40.60	Wash 3 ft deep 30 lks wide course N 50 E
79.80	Intersect N and S line. 75 lks S of cor to secs 2. 3. 10 and 11. Thence
	I run
	S 89° 28' W on a true line bet secs 3 and 10. with same va.
99.90	Deposited a marked stone 12 ins. in ground for ¼ Sec cor. dug pits 18 x 18 x 12 ins E and W of cor. 5½ ft deep and raised a mound of earth 1½ ft high 3½ base, over it. In E pit drove stake 2 ft long. 2 ins square 12 ins in ground. marked ¼ S on N face.

Chains	
79.80	The cor to secs. 3. 4. 9. and 10.
	Land nearly level.
	Soil. clay mixed with gravel
	3d and 4th rate
	Greasewood on 79.80 chs.
	North on a random line
	bet secs 3 and 4.
	Va 17° 15' E
	Over uneven bench.
1.00	Wash 6 ft deep 30 lks wide drains E
3.50	Wash 2 ft deep 40 lks wide drains E
11.00	Top of ridge bears E and W
29.50	Wash 6 ft deep drains E
40.00	Set temporary ¼ sec cor.
49.00	Wash 6 ft deep 20 lks wide
70.00	Wash 3 ft deep 20 lks wide

Chains	
77.25	Wash 3 ft deep 20 lks wide drains E
79.75	Intersected N. boundary of town-
	ship 35 lks. E. of cor. to secs 3. 4. 33.
	and 34. established by myself.
	Thence I run
	S 15' E on a true line bet secs 3 and
	4. with same va.
39.75	Set a lime stone 14×8×6 ins. 9 ins
	in ground for ¼ sec cor marked
	¼ on W face, dug pits 18×18×12
	ins. N. and S. of cor and raised a
	mound of earth alongside.
79.75	The cor. to secs. 3. 4. 9. and 10.
	Land rolling bench,
	Soil mixed with gravel 3d rate.
	No timber

March 4th 1882.

Chains		
	From the cor. to secs 32 and 33 on 3rd Standard Parallel South, which is a limestone 16 X 10 X 8 in. firmly set in the ground and marked with 4 notches on E. and 2 notches on W. edges and S.C. with a mound of earth and stone alongside.	Chains 33.2 38.75 40.00
	Run North bet secs. 32 and 33 Va 17° 20' E	
	Over broken land	
.10	Creek	
3.50	Enter cultivated field	43.1
8.60	Leave cultivated field	56.0
10.65	Warm creek 15 lks wide 12 ins deep runs S. E.	64. 78.
16.50	Water sect 10 lks wide 2 ft deep course E.	80.
19.85	Wagon road bears N 78° E ¾ S 78	

Salt Lake Meridian.

Chains	
33.25	Wash 10 lks wide 12 in deep course E
38.75	Road bears N W and S.E.
40.00	Set a quartzite stone 14×10×4 ins 9 ins in ground for ¼ sec cor. marked ¼ on W. face, dug pits 18×18×12 ins N and S of cor. 5½ ft dist, and raised a mound of earth 1½ ft high 3½ ft base, alongside. Ralph. Bassett's house bears S 42° E
43.15	Trail bears N E and S.W.
56.00	Foot of ascent
64.00	Top of bench bears N 80° E and S 80° W; descend into reservoir
78.00	Top of ridge bears N 74° E and S 74° W
80.00	Set a blue limestone 14×10×5 ins 9 ins in the ground for cor to secs. 28. 29. 32 and 33. marked with 1

Chains		Chains
	notch on S. and 4 notches on	
	E. edges, dug pits 18×18×12 ins	46.00
	in each sec. 5½ ft dist and raised	53.7
	a mound of earth 2 ft high. 4½ ft	80.00
	base alongside.	
	Land rolling.	
	Soil 1st and 2d rate.	
	No timber	
		40.0
	East on a random line bet.	
	Secs 28 and 33.	
	Va 17° 20' E	
	Over uneven land.	80.0
40.00	Top of ridge bears N and S.	
38.50	Wash 30 lks wide 3 ft deep drains	
40.00	Set temporary ¼ Sec. cor.	
41.50	Wagon road bears N and S.	
43.25	Top of ridge bears N and S.	

	Drains
46.00	Wash 50 lks wide 8 ft deep drains S.
53.75	Wagon road bears S W and N E.
80.00	Intersect N and S line 45 lks S. of cor. to secs 27. 28. 33. and 34. Thence S run S 89° 41' W on a true line bet secs 28 and 33 with same va.
40.00	Set a lime stone 14×7×6 ins 9 ins in ground for ¼ Sec cor. marked ¼ on W face. dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside.
80.00	The cor. to secs 28. 29. 32. & 33. Land broken. Soil mixed with gravel 3d rate. No timber.

chains	
	North bet secs 28 and 29. Va 17° 15' E.
	Over rolling ground
31.00	Foot of ridge 30 ft below top.
	Leave reservoir.
40.00	Set a lime stone 14×8×8 ins. 9 ins in ground for ¼ sec cor. marked ¼ on W side. dug pits 18×18×12 ins N and S of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base. alongside.
80.00	Set a lime stone 22×18×6 ins. 16 ins in the ground for cor to secs 20. 21. 28 and 29. marked with 2 notches on S. and 4 notches on E edges; dug pits 18×18×12 ins in each sec 5½ ft dist. and raised a mound of earth 2 ft high 4½ ft base. alongside.
	Land gently rolling

	chains	Soil 2d rate
		No timber
		East on a random line bet.
		Secs 21 and 28.
		Va 17°15' E
		Over gently rolling ground.
	3.10	Road bears N and S.
	5.00	Wash 1 ft deep 50 lks wide drains E
	22.45	Wash drains S.E.
	31.00	Road bears S E and N.W.
	40.00	set temporary ¼ Sec. cor.
	79.70	Intersect N and S line 25 lks N. of
		cor to secs 20. 21. 28 and 29. Thence
		I run
		N 89° 49' W on a true line bet secs
		21 and 28 with same va.
	39.85	Set a lime stone 16×12×8 ins 10 ins

Subdivisions T. 15 S. 19 W.

Chains	
	in the ground for ¼ Sec. cor. marked ¼ on N. face. dug pits 18×18×12 ins E and W. of line 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base along
79.70	The cor to secs. 20. 21. 28 and 29.
	Land nearly level
	Soil. clay. sand and gravel mixed
	2d rate
	No timber.
	North bet secs 20 and 21.
	Va 17° 10' E
	Over broken ground
8.50	Road bears N W and S.E.
30.50	Top of ridge bears N.E. and S.W.
40.00	Set a lime stone 15×12×7 ins 9 ins in ground for ¼ Sec cor. marked ¼ on

Salt Lake Meridian.

chains	
	W. face, dugs pits 18×18×12 ins N and S. of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside.
80.00	Set a black lime stone 16×12×10 ins. 14 ins ground for cor. to secs 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E. edges, dug pits 18×18×12 ins in each sec, 5½ ft dist. and raised a mound of earth 2½ ft high 4½ ft base, alongside.
	Land first half mile uneven, last half mile level.
	Soil gravelly 2d rate.
	No timber.

Subdivisions, T. 15 S., R. 19 W.

Chains	
	East on a random line bet. Secs 16 and 21.
	Va 17°10' E
	Over uneven and broken land descending.
5.00	Foot of descent
20.50	Top of mountain 250 ft high bears N and S. begin to descend.
30.00	Foot of mountain
35.00	Trail bears N and S.
39.75	Road bears N 30° E and S 30° W.
40.00	Set temporary ¼ sec cor.
64.40	Wash at foot of knoll. 20 lks wide 1 foot deep
80.18	Intersect N and S. line 22 lks N. of cor to secs. 15. 16. 21 and 22.
	Thence I run
	N 89°51' W. on a true line bet. secs 16 and 21 with same va.
40.09	Set a black limestone 15×8×6

Salt Lake Meridian.

Chains	10 ins in the ground for ¼ sec cor marked ¼ on N face, dug pits 18 × 18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside.
80.18	The cor to secs 16, 17, 20 and 21. Land broken and hilly. Soil gravelly 2d and 3d rate No timber.
	North bet Secs 16 and 17 Va 17° 15' E.
	Over mountain ascending,
7.50	Top of mountain 450 ft high
20.00	Bottom of ravine at foot of mountain, course S.E.
40.00	Set a gray limestone 14×8×6 ins. 9 ins in the ground for ¼ sec cor.

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Subdivisions T. 15 S. R. 19 W.

Chains	
	marked ¼ on W face. dug pits 18×18×12 ins N and S. of stone 5½ ft dist; and raised a mound of earth 1½ ft high 3½ ft base alongside.
52.00	Foot of knoll. 300 ft high
65.00	Top of knoll
80.00	Set a gray limestone 15×12×10 ins 10 ins in ground for cor to secs 8. 9. 16 and 17. dug pits 18×18×12 ins in each sec. 5½ ft dist and raised a mound of earth 2 ft high 4½ ft-base, alongside.
	Land mountainous.
	Soil mixed with gravel.
	2d rate
	No timber.

Salt Lake Meridian

Chains	
	East on a random line.
	bet secs 9 and 16.
	Va 17° 10' E.
	Over level land.
40.00	Set temporary ¼ sec cor.
68.00	Top of low ridge bears N 60° W and S 60° E.
80.20	Intersect N and S line 28 lks
	N of cor to secs 9, 10, 15 and 16.
	Thence S run.
	N 89° 48' W on a true line bet
	secs 9 and 16 with same va.
40.10	Set a black limestone 16×9×7
	ins 11 ins in the ground for ¼
	sec cor. marked ¼ on N face. dug
	pits 18×18×12 ins E and W of stone
	5½ ft dist. and raised a mound
	of earth 1½ ft high 3½ ft base
	alongside.
80.20	The cor to secs 8, 9, 16 and 17
	Land level.

Subdivision T. 15 S. R. 19 W.

Chains	Soil gravelly 2d rate.
	No timber.
	North bet secs 8 and 9.
	Va 17° 20' E
	Over nearly level land.
10.20	Wash 3 ft deep 50 lks wide
30.00	Hollow course E. 50 ft deep
38.00	Bottom of hollow.
40.00	Set a lime stone 18 × 7 × 5 ins. 12 ins in ground for ¼ sec cor marked ¼ on W. face. dug pits 18×18×12 ins N. and S. of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside
58.00	Begin to ascend from hollow
62.50	Top of Hollow 50 ft deep course E.
80.00	Set a post 4 ft long 4 ins square

Salt Lake Meridian.

Chains

with marked stone 12 ins in the ground for cor to secs 4, 5, 8 and 9 marked.

T 15 S.S.4 on N.E.

R 19 W S. 9 on S.E.

S. 8 on S.W. and

S. 5 on N.W. faces with 5 notches on S. and 4 notches on E edges.

dug pits 18×18×12 ins in each sec 5½ ft dist and raised a mound of earth 2 ft high, 4½ ft base around post

Land mostly level.

Soil: in hollow rich loam 1st rate on bench gravelly 2d rate.

No timber.

Subdivision, T. 15 S. R. 19 W.

Chains		Chains
	East on a random line	79.74
	bet secs. 4 and 9.	
	Va 17°15' E.	
	Over level land.	
40.00	Set temporary ¼ sec cor.	
55.00	Top of bench, bears N.W. and S.E.	
60.50	Foot of bencch 20 ft below top	
79.74	Intersect N and S line 80 lks S.	
	of cor to secs. 3.4.9 and 10, Thence	40.00
	I run	79.66
	S 89° 26' W. on a true line bet secs	
	4 and 9 with same va.	
39.87	Deposited a marked stone 12 in	
	in the ground for ¼ sec. cor. dug	39.66
	pits 18×18×12 ins E. and W. of line	
	5½ ft dist and raised a mound	
	of earth 1½ ft high 3½ ft base over it	
	On E pit drove stake 2 ft long 2 in	
	Square 12 in in the ground marked	79.66
	¼ S on N. face	

Salt Lake Meridian.

Chains	
79.74	The cor. to Secs 4, 5, 8 and 9
	Land, nearly level slopes, E.
	Soil mixed with gravel 2nd rate
	"No timber"
	North, on a random line, bet. Secs. 4 and 5
	Va 17°20' E.
	Over rolling ground, Ascend
40.00	Set a temporary ¼ sec. cor.
79.66	Intersect N. boundary of township
	38 lks. E. of the cor. to secs. 4, 5, 32 & 33
	established by myself. Thence Down
	S 17' E. on a true line bet. Secs. 4 & 5. Same Va
39.66	Set a blue limestone 16 X 12 X 10 ins. 10
	ins. in ground for ¼ sec. cor, marked ¼
	on W. face, dug pits, 18 X 18 X 12 ins. 5½
	ft. dist., and raised a mound of
	earth 1½ ft. high 3½ ft. base alongside
79.66	The cor. to Secs. 4, 5, 8 and 9
	Land nearly level

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Chains. Soil gravelley 2nd rate.
No timber
March 6th 1882

On the night of March 6th 1882 I took an observation on the Star Polaris in accordance with instructions contained in the Manuel of Surveys and drove pickets on the line thus established. Before commencing this line, I test my compass on the line established last night and find it correct. From the cor. to secs. 31 and 32 on the 3rd Standard parallel South which is a Gray Lime Stone 17X10X5 ins. firmly set in the ground, marked C.C. with 5 notches E. and 1 notch on W. edges with a mound of earth and stone along side, I run

Chains
15.50
17.50
20.00
27.00
30.00
36.0
40.0

Chains	
	North bet secs 31 and 32.
	Va 17° 15' E
	Over nearly level land.
15.50	Road bears E and W
17.50	Descend from ridge 20 ft high bears E and W, Enter Indian farm.
20.00	Enter cultivated field
27.00	Leave field cultivated by indians
30.00	Creek 25 lks wide 3 ft deep, Indian farm extends about 40 chs E and W of line, This farm is of an irregular shape, lying principally on South side of creek. The land on North side of the creek is mostly cultivated by white men.
36.00	A hollow drains E.
40.00	set a limestone 15×10×7 ins 10 ins ground for ¼ sec. cor. marked ¼ on W face. dug pits 18×18×12 ins N and S of stone 5½ ft dist. raised

Chains	
	a mound of earth 1½ ft high 3½
	base alongside.
76.50	Wash 3 ft deep 40 lks wide drains
80.00	Set a limestone 18×10×8 ins 12 ins
	in ground for cor to secs. 29. 30. 31.
	and 32 marked with 1 notch on S
	and 5 notches on E edges. dug pits
	18×18×12 ins in each sec. 5½ ft dist
	and raised a mound of earth
	2 ft high 4½ ft base, alongside.
	Land nearly level.
	Soil on benches gravelly 2d rate
	In creek bottom black loam
	1st rate.
	No timber

Salt Lake Meridian.

		East on a random line bet secs. 29 and 32.
		Va 17° 15' E
		Over land gently rolling.
		Almond Rhodes house bears
		S 26° E
	6.00	Hollow cone E. & W
	18.00	Hollow course S. E. and N W
	31.00	Road bears N 20° W and S 20° E.
	39.20	Road bears N 55° W and S 55° E.
	40.00	set temporary ¼ sec. cor.
	80.10	Intersect N and S line 18 lks N
		of cor to secs 28. 29. 32 and 33.
		Thence I run,
		N 89° 52' W. on a true line bet-
		secs 29. and 32. with same va.
	40.05	Deposited a marked stone 12 in
		in the ground for ¼ sec cor. dug
		pits 18×18×12 ins E and W of cor.
		5½ ft dist and raised mound

Chains		Chains
	of earth 1½ ft high 3½ ft base on	
	it. On E pit drive stake 2 ft	80.80
	long 2 ins square 12 ins in the grou	
	marked ¼ S. on N face.	
80.10	The cor to secs. 29. 30. 31 and 32.	
	Land. almost level.	
	Soil. gravelly 2d and 3d rate	40.80
	West on a random line bet	
	secs 30 and 31.	
	Va 17° 15' E.	80.8
	Ascend smooth bench.	
30.00	Foot of mountain ascend abruptly	
40.00	Set a temporary ¼ sec cor	
60.00	Ascent more abrupt	
75.00	Top of mountain about 2000 ft	
	above last sec. cor. course N 10° W	
	and S 10° E	

Salt Lake Meridian.

Chains	
80.80	Intersect W boundary of township 38 chs S. of cor to secs 25. 30. 31 and 36, established by myself. Thence Trav
	S 89° 44' E on a true line bet secs 30 and 31, with same va
40.80	Set a blue lime stone 16×12×6 ins 11 ins in the ground for ¼ sec. cor. marked ¼ on N. face, dug pits 18×18×12 ins. E and W of same 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside.
80.80	The cor to secs. 29. 30. 31 and 32.
	Land nearly level.
	Soil gravelly 2d rate
	Mountainous on 50.80 chs.

Chains	
	North bet secs. 29 and 30
	Va 17° 30' E
	Over almost level land.
20.00	Descend into hollow drains S.E.
27.00	Bottom of hollow about 100 ft deep
34.00	Leave hollow
40.00	Set a blue limestone 24×18×10 ins
	18 ins in the ground for ¼ sec cor
	marked ¼ on W. face. dug pits 18
	×18×12 ins N and S of stone 5½ ft
	and raised a mound of earth 1½ ft
	high 3½ ft base alongside.
41.25	Road bears N.W. and S.E.
49.40	Wash course S.E.
80.00	Set a blue limestone 14×6×6 ins 10
	ins in ground for cor to secs. 19, 24,
	29 and 30. marked with 2 notches on
	S. and 5 notches on E edges. dug pits
	18×18×12 ins in each sec. 5½ ft dist
	and raised a mound of earth 1½

Chains
30.00
40.00
41.25
56.00
72.00
80.00

Salt Lake Meridian.

chains	4½ ft base alongside.
	Land nearly level bench.
	Soil clay mixed with gravel 2d rate.
	East on a random line bet
	secs 20 and 29.
	Va 17° 15' E
	Over uneven ground.
30.00	Top of ridge course N 80° W & S 80° E
40.00	Set temporary ¼ sec cor.
41.95	Foot of ridge course N 75° W & S 75° E
56.00	Top of ridge about 150 ft high.
72.00	Foot of ridge.
80.15	Intersect N and S line 20 lks N of
	cor to secs 20. 21. 28 and 29. Thence
	I run
	N 89° 51' W on a true line bet secs
	20 and 29. with same va.

Chains	
40.08	Set a blue limestone 14×8×6 ins. 10 ins in ground for ¼ sec cor marked ¼ on N. face. dug pits. 18×18×12 ins. E and W of cstone 5½ ft dist and raised a mound of earth 1½ ft high 4½ ft base, alongside.
80.15	The cor. to secs 19, 20, 29 and 30. Land gently descending bench Soil 1st and 2d rate. No timber.
	West on a random line bet Secs. 19 and 30 Va 17° 15' E
	Over rolling land.
15.60	Trail bears N. W and S. E.
40.00	Set a temporary ¼ sec. cor.

Salt Lake Meridian.

Chains	
45.75	Road from Salt marsh via. Bassett ranch to Cherry creek bears N E & S.W.
48.75	Abrupt descent into hollow course S.E.
55.00	Foot of descent, hollow 80 ft deep
60.00	Ascend from hollow.
64.00	Top of bench.
75.00	Foot of mountain
80.00	To point about 200 ft above ¼ sec cor. Intersect W. boundary of township 68 lks N of cor to secs 19, 24, 25 & 30 Thence I run N 89°31' E on a true line bet secs 19 and 30 with same va.
40.00	Set a lime stone 14×8×6 ins 10 ins in the ground for ¼ sec cor marked ¼ on N face; dug pits 18×18×12 ins. E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 4½ ft base alongside.

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Subdivisions Tp 15 S. R. 19 W.

Chains	
80.00	The cor to secs 19. 20. 29 and 30
	Land uneven bench,
	Soil 2d and 3d rate,
	No timber.
	North bet secs. 19. and 20
	Va 17°20' E
	Over uneven land.
33.00	Wash course E
40.00	Set a blue limestone 14×9×5 ins
	10 ins in the ground marked ¼
	W face; dug pits 18×18×12 ins N
	and S of stone 5½ ft dist, and
	raised a mound of earth 1½ ft
	high 4½ ft base alongside,
45.45	Road from salt marsh to Chis
	creek bears. N E and S W

Sa

Chains	
80.00	Set a l
	in gro
	S. and
	pits 18
	dist a
	2 ft hi
	Land
	Soil
	M
	East
	Secs 1
	Over
40.00	Set a
73.00	Foot
78.00	Top
80.40	Inter

Chains	
80.00	Set a lime stone 24×20×8 ins. 18 ins in ground marked with 3 notches on S. and 5 notches on East edges; dug pits 18×18×12 ins in each sec. 5½ ft dist and raised a mound of earth 2 ft high. 4½ ft base alongside. Land nearly level bench. Soil mixed with gravel 2d rate March 7th 1882.
	East on a random line bet. Secs 17 and 20.
	Va 17° 15' E
	Over gently descending ground,
1000	Set a temporary ¼ sec cor
7310	Foot of ridge
7500	Top of ridge 75 ft high course N. & S.
8140	Intersect N and S. line 32 lks N.

Chains	
	of cor. to sec 16.17.20 and 21. Thence
	I run.
	N 89° 46' W on a true line bet sec
	17 and 20 with same va.
40.20.	Deposited a marked stone 12 ins in
	the ground for ¼ sec. cor. dug pit
	18×18×12 ins. E and W of cor. 5 ft
	dist and raised a mound of earth
	1½ ft high 3½ ft base over it. En. E
	feit drove stake 2 ft long 2 ins sq
	12 ins in the ground. marked ¼ S.
	N. face.
80.40	The cor. to secs 17.18.19 and 20.
	Land 1st half mile level.
	last half mile rolling. bench
	Soil mixed with clay and
	gravel 2d rate
	No timber.

Chains	
	(West
	secs 1
	Over
15.10	Wash
40.00	Set ten
45.10	Wash
51.75	Road
79.52	Inter
	78 lks
	24.
	I run
	N 89
	18 an
39.52	Set a
	in th
	¼ on
	E an
	raise
	high.

Salt Lake Meridian.

West on a random line bet secs 18 and 19

Va 17° 15' E

Over nearly level land.

35.10 Wash course S.E.

40.00 Set temporary ¼ sec. cor.

45.10 Wash 3 ft deep 1.50 lks wide

55.75 Road bears N.W. and S.E.

79.52 Intersect W boundary of township 78 lks. N. of cor. to secs. 13.18.19 and 24. Thence,

Gunn

N 89° 27' E. on a true line bet secs 18 and 19 with same va.

39.52 Set a limestone 14×10×5 ins. 10 ins. in the ground for ¼ sec cor. marked ¼ on N face; dug pits 18×18×12 ins E and W. of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base, alongside.

Chains	
79.52	The cor. to secs 17. 18. 19, and 20
	Land nearly level sloping to
	Soil mixed with gravel. 2d
	and 3d rate.
	No timber.
	North bet secs 17 and 18.
	Va 17° 10' E
	Over gently rolling land.
40.00	Deposited a marked stone 12 ins
	in the ground for ¼ sec. cor. dug
	pits 18×18×12 ins N. and S. of
	cor. 5½ ft dist and raised a
	mound of earth 1½ ft high 3½ ft
	base, over it. In N. pit drove
	stake 2 ft long. 2 ins square 12 ins
	in the ground. marked ¼ S. on

Chains	
	W. fac
41.10	Depos
	in the
	17. and
	in ea
	a mo
	base, o
	stake
	ins. in
	T.15
	R.19
	S. 18
	S. 7 o
	S. and
	Land
	Soil m
	2d ra
	No

Salt Lake Meridian

W. face.

Deposited a marked stone 12 ins in the ground for cor. to secs. 7, 8, 17, and 18: dug pits 18×18×12 ins. in each sec. 5½ ft dist and raised a mound of earth 2 ft high 4½ ft base over it. In S.E. pit drove stake 2 ft long. 2 ins square. 12 ins. in the ground, marked.

T 15 S S 8 on N.E.

R 19 W.S. 17 on S.E.

S. 18 on S.W. and

S. 7 on N.W. faces with 4 notches on S. and 5 notches on E edges.

Land level and rolling.

Soil mixed with clay and sand 2d rate.

No timber.

Chains	
	East on a random line bet. secs. 8 and 17
	Va 17°15' E
	Over nearly level land descending E
40.00	Set temporary ¼ sec cor.
79.97	Intersected E and W line 70 lks N. of cor to secs 8. 9. 16 and 17.
	Thence I run.
	N 89°30' W on a true line bet. 8 and 17
39.98.	Set a limestone 14×8×7 ins 10 ins in the ground for ¼ sec cor mark ¼ on N face, dug pits 18×18×12 ins E and W of stone 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside,
79.97	The cor to secs 7. 8. 17 and 18.
	Land level.
	Soil mixed with gravel 2d

Salt Lake Meridian

and 3d rate,

West on a random line bet.
secs. 7 and 18
Va 17°15' E
Over nearly level land,
40.00 set temporary ¼ sec. cor.
39.60 Intersect W. boundary of township.
60 lks N. of cor. to secs. 7. 12. 13 and
18 established by myself. Thence
I run,
N 89°34' E on a true line bet secs.
7 and 18. with same va.
39.60 set a limestone. 14×8×8 ins. 10 ins
in the ground for ¼ sec. cor. marked
¼ on N. face, dug pits 18×18×12
ins. E. and W. of stone 5½ ft dist
and raised a mound of earth.

Chains	
	1½ ft high 3½ ft base, alongside
79.60	The cor. to secs 7, 8, 17, and 18.
	Land level
	Soil mixed with gravel 2d and 3d rate
	No timber
	North bet. secs 7 and 8, Va 17° 15' E.
	Over rolling land.
33.50	Hollow course E
40.00	Set a white limestone 16×10×6 ins. 11 ins in the ground for ¼ sec. cor. marked ¼ on W. face; dug pits 18×18×12 ins. N. and S. of stone 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside.

Salt Lake Meridian.

ins

00 Ascend from hollow.

00 Top of bench 50 ft above bottom of hollow

00 Set a blue limestone 14×10×8 ins 10 ins in the ground for cor. to secs 5, 6, 7 and 8, marked with 5 notches on the S and 5 notches on the E edges, dug pits 18×18×12 ins. in each sec. 5½ ft dist, and raised a mound of earth 2 ft high and 4½ ft base, alongside.

Land rolling and level,

Soil, clay mixed with sand and gravel, 2d rate

No timber.

Chains	
	East on a random line bet.
	secs. 5 and 8,
	Va 17° 15' E.
	Over level land sloping E.
1.25	Wash 12 ft deep 50 lks wide.
	drains S.
40.00	Set temporary ¼ sec cor.
79.78	Intersect N and S line 35 lks S.
	of cor to secs 4, 5, 8, and 9 Thence
	I run
	S 89° 45' W on a true line bet
	secs. 5 and 8 with same va.
39.89	Set a limestone 14×7×6 ins. 10 ins in
	ground. for ¼ sec cor, marked ¼
	on N. face. dug pits 18×18×12
	E and west of stone 5½ ft. dist
	and raised a mound of earth
	1½ ft high. 4½ ft base. alongside
79.78	The cor. to secs 5, 6, 7, and 8.
	Land level,

Chains	
	Soil,
	No
	West
	secs
	Over
4.25	Wash
	drai
40.00	Set te
79.75	Interse
	48 lk
	12 es
	I run
	N
	secs,
39.75	Dep
	in th

Salt Lake Meridian.

Soil mixed with gravel 2d rate,
No timber

West on a random line bet
secs 6 and 7
Va 17°15' E.
Over level land gently ascending
Wash 50 lks wide 15 ft deep
drains E.
Set temporary ¼ sec. cor.
Intersect W. boundary of township
48 lks N of cor to secs 1, 6, 7 and
12 established by myself Thence
I run
N 89°39' E on a true line bet.
secs 6 and 7 with same va.
Deposited a marked stone 12 ins
in the ground for ¼ sec. cor.: dug pits

Chains	
	18×18×12 ins. E and W of corp 5½ ft dist and raised a mound of earth 1½ ft high 3½ ft base alongside
79.75	The cor. to secs 5. 6. 7 and 8
	Land level, gently descending E
	Soil clay mixed with gravel
	2d rate.
	No timber
	North on a random line bet secs 5 and 6
	Va 17° 11' E
	Over gently rolling land.
40.00	set temporary ¼ sec cor.
49.80	Wash 1 ft deep 20 lks wide drains E
78.00	Wash 2 ft deep 50 lks wide.

Salt Lake Meridian.

drains S.E.

Intersect N boundary of township 50 lks E. of cor to secs 5. 6. 31 and 32 established by myself. Thence I run.

S 0°.21' E on a true line bet. secs 5 and 6 with same va.

Set a blue lime stone 16×10×6 ins 11 ins in the ground for ¼ sec cor. marked ¼ on W face. dug pits 18×18×12 ins N and S. of stone. 5½ ft dist. and raised a mound of earth 1½ ft high 3½ ft base alongside.

The cor. to secs. 5. 6. 7 and 8.

Land nearly level.

Soil 2d rate.

No timber.

March 8th 1882.

General Description.

This Township embraces every variety of land from 3d rate gravelly bench to rich black bottom loam.

The soil along Warm creek bottoms and low benches is principally rich, capable of produ[illegible] abundant crops. The soil on the high benches and low hills is generally 3d rate.

The South West portion of the township is watered by Warm creek and there are several springs in other parts of

Salt Lake Meridian.

the township.

There is a natural reservoir in sections 15 and 16. in which could be collected from snow and rain sufficient to irrigate a large tract in the adjoining sections.

There is one settler each in sections 32.33 and 35. Also an indian farm in secs. 31 and 32. which extends about 40 chs East and West. of irregular shape. situated principally on the S E side of Warm creek, The land on the N. W. side is farmed by white men

The remains of an indian village is situated on the bench South of warm creek which is their summer residence

Andrew Stewart Jr.
U. S. Deputy Surveyor.

[4.—LIST OF NAMES.]

A list of the names of the individuals employed by Andrew J Stewart Jr. United States deputy surveyer, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of The 4th Standard parallel, South through ranges 13, 14, 15, 16, 17, 18, 19 and 20 W. The exterior and subdivision lines of Tps 15, 18 + 19 S. R. 19 W., and T 16 S. R. 18 W., and the exteriors lines of Tp 20 S. R. 19 W. Tps 18 + 19 S. R. 20 W. Snake Valley Guide Meridian and resurvey of 3rd Standard Parallel South Ranges 18 and 19 West.

the Salt Lake base and meridian in the Territory of Utah, showing the respective capacities which they acted.

Shadrach M Richardson, Compassman.

James W Stewart, Chainman.

Joseph F. Thompson, Chainman.

Brigham J. Brown, Chainman.

James F. Gyles, Chainman.

Joseph R. Gyles, Axeman.

David E Crofts, Axeman.

, Flagman.

No Change for this

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We hereby certify that we assisted Andrew J Stewart Jr United States deputy surveyor, in surveying all those parts or portions of the 4 Standard Parallel South, through ranges 13, 14, 15-16, 17, 18, 19 & 20 W; The exterior and subdivision lines of Tps. 15-18 and 19 S. R. 19 W, and the exterior and subdivision lines of Tp. 16 S. R. 18 W, and the exterior lines of T. 20 S. R. 19 W. and the exteriors of T. 17, 18, 19 and 20 S. R. 18 W. of the Salt Lake base and meridian in the Territory of Utah, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States surveyor-general for Utah.

Shadrach M. Richardson, Compassman.

James W. Stewart, Chainman.

Jos. F. Thompson, Chainman.

Brigham J. Bence, Chainman.

James F. Gyles, Chainman.

Jos. R. Gyles, Axeman.

David E. Crafts, Axeman.

....., Flagman.

Subscribed and sworn to before me this 8th day of March 1882

J. Shiles

Notary Public