Volume

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BOOK A-300

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

T8N., R14W.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Alfredo R. Talamantes and John W. Dougall, United States Deputy Surveyors

Under ~~his~~ their Contract No. 262, dated March 23, 1903.

Survey commenced May 31, 1903.

Survey completed May 31, 1903.

6—151

[illegible] 608.26 ✓

Clay 1.89 ✓

1A.

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

Geo M. P. Dougall	Chainman
James S. Houtz	Chainman
Wilbur I. Rowland	Moundman
Ralph A. Groesbeck	Flagman

For preliminary affidavits see book E. Tp. 7 N. R. 15 W.

6—151

East Bdy. T. 8 N., R. 14 W.

Chains.	
	Survey commenced May 31, 1903, and executed with a W. and L. E. Gurley light mountain transit with polar attachment. The horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc. For complete test of polar apparatus see book P.
	May 31, 1903: At cor of Tps 7 and 8 N. Rs. 13 and 14 W. heretofore described in lat. 41°23' N. long. 113°23' W. I set M 41°23 N. on the lat. arc. 21°49' N. on decl. arc. and at 8h 00m a. m. l. m. t. determine a meridian with the polar. Thence I run
	North 1st recc. 31 and 36.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 3 x 10 x 16 ins. 11 ins. in the ground for cor. of recc. 25, 30, 31 and 36. marked with Brntel on S. and 5 notches on N. edge; dig pits 18 x 18 x 12 ins. in each recc. 3 1/2 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	North 1st recc. 25 and 30.
	Over level land
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 recc. cor.

Chains	
	marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N and S. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins in the ground for cor of secs. 19, 24, 25 and 30. marked with 2 notches on S. and 4 notches on N. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base. 2 ft. high W of cor.
	Land, level
	Soil, alkali; 4th rate.
	Timber.

	North bet secs 19 and 24.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 14 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face; dig pits 18 x 18 x 12 ins. N. and S. of stone. 3 ft. dist; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft high W. of cor.
80.00	Set a quartzite stone 6 x 6 x 15 ins. 10 ins in the ground. for cor of secs. 13, 18, 19 and 24, marked with 3 notches on S. and 3 notches on N. edge; dig pits 18 x 18 x 12 ins, in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	Timber

	North bet secs 13 and 18.
	Over level land.
40.00	Set a quartzite stone 6 x 8 x 14 ins. 10 ins

East Bdy, T. 8 N., R. 14 W.

Chains.	
	in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone. 3 ft. dist, and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	Set a quartzite stone 6 x 6 x 16 ins. 11 ins. in the ground for cor. of secs. 7, 12, 13, and 18. marked with 4 notches on S. and 2 notches on N. edge; dig pits 18 x 18 x 12 inches. in each sec. 3 1/2 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high N. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.

North bet secs. 7 and 12.
Over level land.

40.00	Set a quartzite stone 6 x 6 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins, N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
42.00	Enter sand knolls, bear E. and N.
80.00	Set a quartzite stone 6 x 6 x 17 ins; 12 ins. in the ground for cor. of secs. 1, 6, 7 and 12, marked with 5 notches on S. and 1 notch on N. edge; dig pits 18 x 18 x 12 ins; in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high, N. of cor.
	Land, level, & sand knolls
	Soil, alkali; 4th rate.
	No timber

North bet secs. 1 and 6.

East Bdy. T 8 N., R 14 W.

Chains	Over sand knolls
40.00	Set a quartzite stone 6 X 7 X 14 ins; 10 ins in the ground for 1/4 sec. cors marked 1/4 on W. face; dig pits 18 X 18 X 12 ins; N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
42.00	Leave sand knolls bear E. and W.
88.25	Intersect 2nd Standard Parallel N. 1.89 chs S. 89° 06' W. of Standard cor of Tps. 9 N. Rs 13 and 14 W. heretofore described Set a quartzite stone 7 X 10 X 16 ins; 11 ins. in the ground, for closing cor of Tps. 8 N. Rs 13 and 14 W. marked C. C. 8 N. on S.; 13 W. on E., and 14 W. on W. face; with 6 grooves on S., E., and W. faces; dig pits 30 X 24 X 12 ins; crosswise on each line E. and W. 4 ft., and S. of stone 8 ft. dist; and raise a mound of earth 5 ft. base, 2 1/2 ft high S. of cor.
	Land, level, & sand knolls
	Soil, alkali; 4th rate.
	No timber.

May 31, 1903.

General Description.

For general description see notes of subdivisions T. 8 N., R 14 W.

Alfredo R. [illegible]
U. S. Deputy Surveyor

East Bdy. T8N., R.14W.

Latitudes, Departures and Closing Errors.

Line Designated	True Bearing	Dist.	Latitudes		Departures	
			N.	S.	E.	W.
		Chs.	Chs.	Chs.	Chs.	Chs.
Guide Meridian						
E.Bdy Sec 36	N0°08'W	80.20	80.20			9.19
" " Sec 25	N0°13'W	80.28	80.28			0.30
" " Sec 24	N0°11'W	80.41	80.41			0.26
" " Sec 13	N0°05'W	80.50	80.50			0.12
" " Sec 12	N0°22'E	80.22	80.22		0.51	
" " Sec 1	N0°22'E	80.00	80.00		0.51	
2nd Stand Parallel N.						
S.Bdy. Sec. 31	N89°26'E	39.51	0.40		39.51	
	N89°07'E	40.28	0.62		40.27	
S.Bdy.Sec. 32	N89°E	80.01	1.39		80.00	
S.Bdy.Sec. 33	N89°21'E	80.62	0.91		80.61	
S.Bdy.Sec. 34	N89°13'E	40.10	0.55		40.09	
	N89°21'E	40.09	0.45		40.09	
S. Bdy. Sec 35	N89°23'E	40.29	0.43		40.29	
	N89°14'E	40.10	0.54		40.09	
S. Bdy. Sec 36	N89°10'E	40.00	0.58		40.00	
	N89°06'E	38.26	0.60		38.26	
E Bdy. T8N.R14W	South	488.25		488.25		
S. Bdy. T8N.R14W	West	479.32				479.32
Convergency					0.64	
Totals			488.08	488.25	480.77	480.19
Error in lat.			488.08	480.19		
			17	0.58	Error in Dep.	

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... R.D.M.

....., 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 .....

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all those parts or portions of the .....

.....

.....

..... of the .....

..... meridian, ... of ....., which are represented on 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

Subscribed and sworn to before me this .....

day of ....., 190

SEAL

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ... , United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... , bearing date of the United States Surveyor General for ..... , 190 , 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 ..... , the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of ..... of the ..... meridian, in the ..... of ..... , which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; 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.

United States Deputy Surveyor

Subscribed by said ..... , and sworn to before me this ..... day of ..... , 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

..... , 190

The foregoing field notes of the survey of ..... executed by ..... under ~~his~~ contract No. ..... , dated ..... , 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

United States Surveyor General

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

United States Surveyor General

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BOOK A-300

FIELD NOTES

OF THE SURVEY OF THE

Subdivision
of
T8N., R14W.

Of the Salt Lake Base and Meridian,
State of Utah

AS SURVEYED BY

Alfredo R. Talamantes and John W. Dougall United States Deputy Surveyors

Under ~~his~~ their Contract No. 262, dated March 23, 1903.

Survey commenced June 2, 1903.

Survey completed June 6, 1903.

6—151

high 11-71-38
low - 48-33-19
Clog 8-60

60-24-57

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

Geo M. P. Dougall ..... Chainman.

James S. Houtz ..... Chainman.

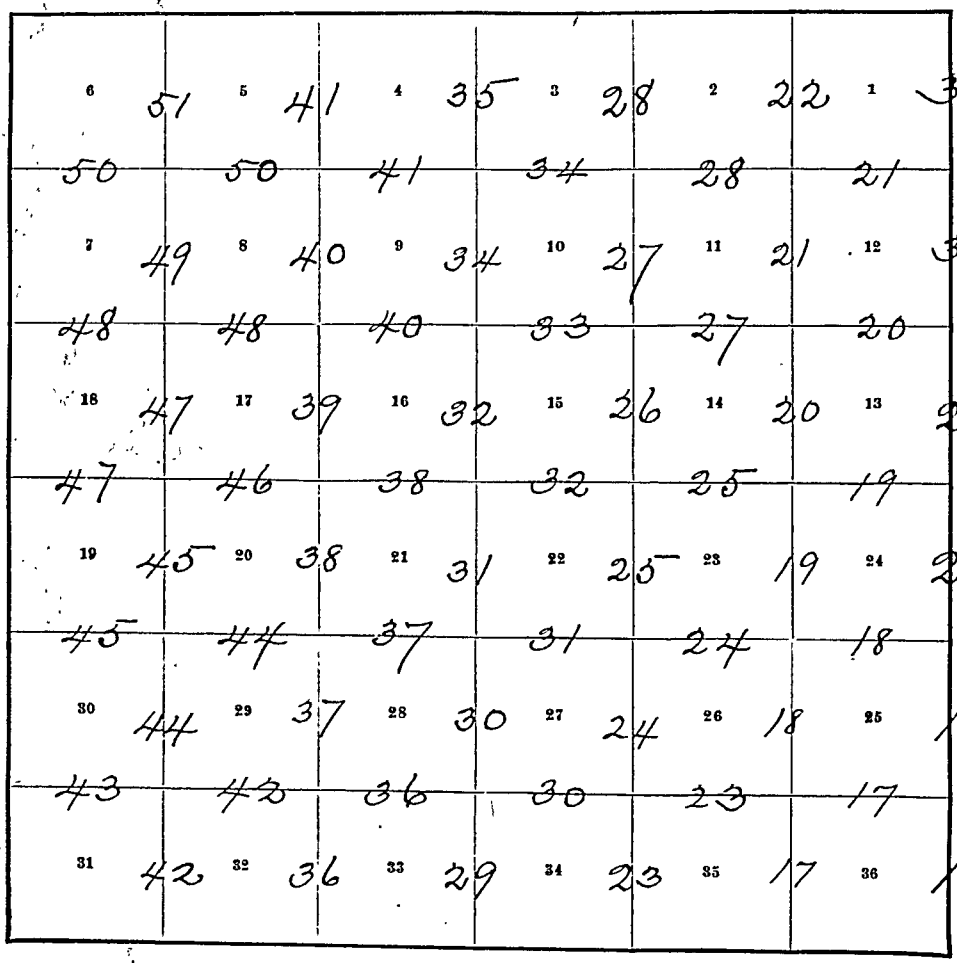
Wilbur S. Rowland ..... Rodman.

Ralph C. Groesbeck ..... Flagman.

For preliminary affidavits see book F. H. 7 N R 15 W

INDEX DIAGRAM.

Township 8 N, Range 14 W.



Meanders Page .....

BOOK A-300

INDEX DIAGRAM.

Township 8 North, Range 14 West

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable objects, and the true lengths 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
_____

_____, *Chainman*

_____, *Chainman*

Subscribed and sworn to before me this _____
day of _____, 190

_____

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment
of corners, according to the instructions given us, to the best of our skill and ability, in the survey of
_____

_____, *Moundman*

_____, *Moundman*

Subscribed and sworn to before me this _____
day of _____, 190

_____

SEAL

_____

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner
and other duties, according to instructions given us, to the best of our skill and ability, in the survey
_____

_____, *Axman*

_____, *Axman*

Subscribed and sworn to before me this _____
day of _____, 190

_____

SEAL

_____

I, _____, do solemnly swear that I will well and tru
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
survey of _____

_____, *Flagma*

Subscribed and sworn to before me this _____
day of _____, 190

_____

SEAL

_____

Subdivision of T 8 N., R. 14 W.

Survey commenced June 2, 1903, and executed with a W. and L. E. Gurley light mountain transit with polar attachment. The horizontal limb having two double verniers placed opposite to each other, and reading to single minutes of arc.
For a complete test of polar apparatus see Book P.
At 8h 00m a.m. l. m. t. I set ✓ +1° 23' N. on the lat. arc, 22° 06' N. on the decl. arc, and determine with the polar a true meridian at the cor. of secs. 1, 2, 35, and 36. on S. bdy of Tp. heretofore described.
Thence I run
N. 0° 01' W. bet secs 35 and 36.
Over level land.
40.00 Set a quartzite stone 5 x 7 x 15 ins.; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor
80.00 Set a quartzite stone 6 x 18 x 14 ins. 12 ins in the ground for cor. of secs. 25, 26, 35, and 36. marked with 1 notch on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
Land, level.
Soil, alkali; 4th rate.
No timber.

East on a random line bet. secs. 25 and 36.
40.00 Set temp 1/4 sec. cor.
79.94 Intersect E. bdy of Tp. 9 S. R. 14 W. S. of cor of secs. 25, 30, 31, and 36 heretofore described.
Thence I run

Chains.	
	S. 89° 56' W. on a true line bet. secs. 25 and 36.
	Over level land.
39.97	Set a quartzite stone 5 x 7 x 15 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.94	The cor. of secs. 25, 26, 35 and 36.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 01' W. bet. secs. 25 and 26.
	Over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins., N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 8 x 10 x 13 ins., 9 ins. in the ground for cor. of secs. 23, 24, 25, and 26. marked with 2 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each, sec 3 1/2 ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 56' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. at cor. of secs. 19, 24, 25, and 30. heretofore described.
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 24 and 25.
	Over level land

Subdivision of T. 8 N., R. 14 W.

Chains.	
40.00	Set a quartzite stone 5 x 8 x 15 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor of secs. 23, 24, 25, and 26.
	Land, level.
	Soil, alkali; 4th rate.
	Timber.
	N. 0° 01' W. bet secs. 23 and 24.
	Over level land.
40.00	Set a quartzite stone 4 x 16 x 13 ins; 15 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor
80.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins in the ground for cor. of secs. 13, 14, 23, and 24. marked with 3 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins, in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	Timber.
	June 2: At this cor I set off 22° 07' N. on dec arc. and at 12h 00m m. l. m. t. observe the sun on the meridian. The resulting lat is 41° 25'.
	N. 89° 36' E. on a random line bet. secs 13 and 24.
40.00	Set temp 1/4 sec. cor.
80.04	Intersect E. bdy of Tp. 2 lks. N. of cor of secs.

	13, 18, 19, and 24. heretofore described.
	Thence I run
	S. 89° 57' W. on a true line bet. secs. 13 and 24,
	over level land.
40.02	Set a quartzite stone 5 x 7 x 15 ins, 10 ins
	in the ground for 1/4 sec. cor. marked
	1/4 on W. face; dig pits 18 x 18 x 12 ins,
	E. and W. of stone 3 ft. dist; and raise a
	mound of earth 3 1/2 ft. base, 1 1/2 ft. high
	N. of cor.
80.04	The cor of secs. 13, 14, 23, and 24,
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 01' W. bet. secs. 13 and 14.
	over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins; 10 ins.
	in the ground for 1/4 sec. cor. marked
	1/4 on W. face; dig pits 18 x 18 x 12 ins, N. and
	S. of stone; 3 ft. dist: and raise a mound
	of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone, 6 x 6 x 14 ins, 10 ins,
	in the ground for cor. of secs. 11, 12, 13 and
	14. marked with 4 notches on S. and
	1 notch on E. edge; dig pits 18 x 18 x 12 ins,
	in each sec. 3 1/2 ft. dist; and raise a
	mound of earth 4 ft. base, 2 ft. high
	N. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 57' E. on a random line bet. secs.
	12 and 13.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. at cor of secs. 7, 12, 13 and 18,

Chains.	
	heretofore described.
	Thence I run
	S 89° 57' W. on a true line bet secs. 12 and 13.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 14 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor of secs. 11, 12, 13, and 14.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 01' W. bet secs. 11 and 12.
	Over level land.
33.00	Enter sand knolls, and greasewood brush bears E. and W.
40.00	Set a quartzite stone 6 x 6 x 14 ins, 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 5 x 8 x 15 ins; 10 ins. in the ground for cor of secs. 1, 2, 11, and 12. marked with 3 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist.; and raise a mound of earth 4 ft. base. 2 ft. high W. of cor.
	Land, level and rolling.
	Soil, alkali; 4th rate.
	No timber.
	Scattering greasewood undergrowth 45.00 chs.
	N. 89° 57' E. on a random line bet secs. 1 and 12.

Subdivision of T. 8 N., R. 14 W.

Chains	
40.00	Set temp 1/4 sec. cor.
79.81	Intersect E. bdy of Tp. at the cor of secs. 1, 6, 7 and 12 heretofore described.
	Thence I run
	S. 89°57' W. on a true line bet. secs. 1 and 12.
	Through sand knolls and greasewood brush.
30.00	Set a quartzite stone 5 x 8 x 14 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.81	The cor of secs. 1, 2, 11 and 12.
	Land, rolling.
	Soil, alkali; 4th rate.
	No timber.
	Dense greasewood undergrowth 79.81 chs.

	N. 0°01' W. on a true line bet. secs 1 and 2. Over rolling land, through sand knolls and greasewood.
40.00	Set a quartzite stone 6 x 6 x 14 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
50.00	Leave sand knolls bear E. and W. Ascend.
87.25	Intersect 2nd Standard Parallel N. 1.08. chs S 89°14' W. of Standard cor of secs 35 & 36 heretofore described.
	Set a limestone 5 x 7 x 16 ins. 11 ins. in the ground, for closing cor. of secs. 1 and 2, marked C. O. on S.; with 1 groove on E.; and 5 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.

Subdivision of T 8 N., R 14 W.

Chains	
	Land, level and rolling. Soil, alkali and sandy; 4th rate. No timber. Dense greasewood, undergrowth 30.00 chs. June 2, 1903.
	June 3. At 8h 10m a.m. l.m.t. I set off 41° 23' N. on the lat arc. 22° 14' N. on the decl. arc. and determine a true meridian with the polar at the cor of secs. 2, 3, 34, and 35, on S. bdy of Tp. heretofore described. Thence I run N. 0° 02' W. bet secs. 34 and 35, over level land.
40.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 6 x 10 x 16 ins; 11 ins in the ground, for cor of secs. 26, 27, 34, and 35, marked with 1 notch on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins; in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.
	East on a random line bet secs. 26 and 35.
40.00	Set temp 1/4 sec. cor;
80.00	Intersect N. and S. line 9 lks. S. of cor of secs. 25, 26, 35, and 36. Thence I run

Subdivision of T. 8 N., R. 14 W.

Chains	S. 89° 56' W. on a true line bet. secs. 26 and 35.
	Over level land.
40.00	Set a quartzite stone 8 x 8 x 13 ins.; 10 ins.
	in the ground, for 1/4 sec. cor. marked
	1/4 on N. face; dig pits 18 x 18 x 12 ins.
	E. and W. of stone 3 ft. dist.; and raise
	a mound of earth 3 1/2 ft. base 1 1/2 ft.
	high N. of cor.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land level.
	Soil, alkali; 4th rate.
	Intruder.
	N. 0° 02' W. bet. secs. 26 and 27.
	Over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins.; 10
	ins. in the ground for 1/4 sec. cor.
	marked 1/4 on N. face; dig pits 18 x 18 x 12
	ins. N. and S. of stone 3 ft. dist.; and
	raise a mound of earth 3 1/2 ft. base,
	1 1/2 ft. high N. of cor.
80.00	Set a quartzite stone 6 x 6 x 14 ins.; 10 ins.
	in the ground for cor. of secs.
	22, 23, 26, and 27, marked with 2 notches
	on S. and 2 notches on E. edge; dig pits
	18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist.;
	and raise a mound of earth 4 ft. base,
	2 ft. high N. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	Intruder.
	N. 89° 56' E. on a random line bet.
	secs. 23 and 26.
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line 4 lks. N. of
	cor. of secs. 23, 24, 25 and 26.

Chains.	
	Thence I run
	S. 89° 58' E. on a true line bet. secs. 23 and 26.
	Over level land.
39.98	Set a quartzite stone 6 x 6 x 14 ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.96	The cor. of secs. 22, 23, 26, and 27.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 02' W. bet. secs. 22 and 23.
	Over level land.
40.00	Set a quartzite stone 4 x 7 x 18 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 6 x 6 x 14 ins.; 10 ins. in the ground for cor. of secs. 14, 15, 22, and 23. marked with 3 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist., and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 58' E. on a random line bet. secs. 14 and 23.
40.00	Set Temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor. of secs.

Subdivision of T. 8 N., R. 14 W.

Chains	13, 14, 23, and 24. Thence I run S. 89° 58' W. on a true line bet. secs. 14 and 23. Over level land.
40.00	Set a quartzite stone 5" X 8" X 15" ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18" X 18" X 12" ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 14, 15, 22, and 23. Land, level. Soil, alkali; 4th rate. No timber.

June 3. At the cor. of secs. 14, 15, 22, and 23. I set off 22° 15' N. on the decl. arc, and, at 12h 02m p. m. l. m. t., observe the sun on the meridian, the resulting lat. is 41° 23', which is about the proper lat.

	N. 0° 02' W. bet. secs. 14 and 15. Over level land
40.00	Set a quartzite stone 5" X 8" X 15" ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18" X 18" X 12 ins.; N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 6" X 6" X 14" ins.; 10 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edge; dig pits 18" X 18" X 12" ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level.

Chains.	
	Soil, alkali; 4th rate. Ivo timber.
	N. 89° 58' E. on a random line bet. secs. 11 and 14.
40.00	Set temp. 1/4 sec. cor.
80.05	Intersect N. and S. line at cor of secs. 11, 12, 13, and 14. Thence Grnw S 89° 58' W. on a true line bet. secs 11 and 14. Over level land.
40.02	Set a quartzite stone 3 x 7 x 16 ins.; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
80.05	The cor of secs. 10, 11, 14 and 15. Land, level. Soil, alkali; 4th rate. No timber.
	N. 0° 02' W. bet secs. 10 and 11. Over level land.
30.00	Enter sand knolls and greasewood brush.
40.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 6 x 6 x 14 ins; 10 ins. in the ground for cor of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E. edge; dig pits

Chains	18 x 18 x 12 ins. in each sec. 5½ ft. dist. and raise a mound of earth, 4 ft. base 2 ft. high W. of cor.
	Land level and rolling.
	Soil, alkali; 4th rate.
	No timber.
	Dense greasewood undergrowth 50.00 chs.
	N. 89° 58' E. on a random line bet. secs. 2 and 11.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 1, 2, 11, and 12.
	Thence Drive S. 89° 58' W. on a true line bet. secs. 2 and 11.
	Through sand knolls and greasewood.
40.00	Set a quartzite stone 5 x 8 x 18 ins.; 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	The cor. of secs. 2, 3, 10, and 11.
	Land rolling
	Soil, alkali; 4th rate.
	No timber.
	Dense greasewood undergrowth 80.00 chs.
	N. 0° 02' W. on a true line bet. secs. 2 and 3.
	Through sand knolls and greasewood brush.
30.00	Ascend gently Leave sand knolls and greasewood
40.00	Set a quartzite stone 6 x 6 x 14 ins.; 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and

Chains.	
	raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
86.46	Intersect 2nd Standard Parallel North, 98 lks S. 89° 21' W. of standard cor to secs. 34 and 35. heretofore described. Set a quartzite stone 6 x 6 x 14 ins; 10 ins in the ground, for closing cor. of secs. 2, and 3. marked C. C. on S.; with 2 grooves on E. and 4 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line. E. and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high S. of cor.
0.46	Land, level and rolling.
	Soil, alkali, and sandy; 4th rate.
	No timber
	Dense greasewood, undergrowth 30.00 chs.
	June 3, 1903.
	June 4: At 8h 00m a. m. l. m. t. I set on W. 71° 23' N. on the lat arc. 22° 21' N. on the dec. arc. and determine a true meridian with the polar at the cor. of secs. 3, 4, 33, and 34. on S. bdy of T. heretofore described.
	Thence I run
	N. 0° 02' W. bet secs. 33 and 34.
	Over level land.
40.00	Set a porphyry stone 6 x 6 x 15 ins; 10 ins in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins; N. and S. of stone, 3 ft. dist; and raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 7 x 8 x 14 ins; 10 ins in the ground for cor of secs 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3½ ft. dist; and raise a

Chains	
	mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	East on a random line bet. secs. 27 and 34.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 lks S. of cor. of secs. 26, 27, 34, and 35.
	Thence I run
	S. 89° 57' W. on a true line bet. secs. 27 and 34.
	Over level land.
40.00	Set a porphyry stone 6 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 27, 28, 33, and 34.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 02' W. bet. secs. 27 and 28.
	Over level land.
40.00	Set a porphyry stone 6 x 9 x 13 ins, 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins, N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5 x 7 x 16 ins, 11 ins. in the ground for cor. of secs. 21, 22, 27, and 28. marked with 2 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist; and

Chains.	
	raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.
	N. 89° 57' E. on a random line bet. secs. 22 and 27.
40.00	Set temp 1/4 sec. cor.
79.90	Intersect N. and S. line 6 lks. S. of cor. of secs. 22, 23, 26, and 27. Thence I run S. 89° 54' W. on a true line bet. secs 22 and 27. Over level land.
39.95	Set a porphyry stone 6x6x16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.90	The cor of secs. 21, 22, 27, and 28. Land, level. Soil, alkali; 4th rate. No timber.
	N. 0° 02' W. bet. secs. 21 and 22. Over level land.
40.00	Set a lava stone 6x7x16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 8x8x15 ins; 10 ins in the ground for cor. of secs. 15, 16, 21, and 22. marked

Chains	
	8 N. on N E and 14 W. on S E.; face with 3 notches on S. and 3 notches on E. edge; dig pits 18 X 18 X 12 ins. in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. Land, level. Soil, alkali; 4th rate. No timber. June 4: At this cor. I set off 22° 22' N. on the decl. arc, and at 12h 00m m.t. observe the sun on the meridian; the resulting lat is 41° 25'.
	N. 89° 35' E. on a random line bet. secs. 15 and 22.
40.00	Set temp. ¼ sec. cor.
79.76	Intersect N. and S. line 6 lks N. of cor. of secs. 14, 15, 22, and 23. Thence I run S. 89° 37' W. on a true line bet secs. 15 and 22. Over level land.
39.88	Set a porphyry stone 6 X 7 X 14 ins; 10 ins in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 X 18 X 12 ins, E. and W. of stone; 3 ft dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
79.76	The cor. of secs. 15, 16, 21, and 22. Land, level. Soil, alkali; 4th rate. No timber.
	N. 0° 02' W. bet. secs. 15 and 16. Over level land.

Subdivision of T8 N., R14 W.

Chains.	
12.00	Enter sand knolls and grease-wood brush.
40.00	Set a porphyry stone 6x8x16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins; N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 7x9x12 ins; 8 ins in the ground for cor of secs. 9, 10, 15, and 16. marked with 4 notches on S. and 3 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level, and rolling.
	Soil, alkali; and sandy; 4th rate.
	No timber.
	Dense greasewood, undergrowth 68.00 chs.
	N. 89° 57' E. on a random line bet. secs. 10 and 15.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks N. of cor. of secs. 10, 11, 14, and 15.
	Thence I run
	S 89° 58' W. on a true line bet. secs. 10 and 15.
	Over level land.
10.00	Enter sand knolls and grease-wood brush. bears N. E. and S. W.
40.00	Set a porphyry stone 5x8x15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins. E. and W. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
80.00	The cor of secs. 9, 10, 15, and 16.
	Land, level, and rolling.
	Soil, alkali; 4th rate.

Subdivision of 98 N., R 14 W.

Chains	
	No timber.
	Dense greasewood undergrowth 70.00 chs.
	N. 0° 02' W. bet. secs. 9 and 10.
	Through scattering shad scale and white sage, and sand knolls.
36.00	Leave scattering shad scale and white sage. Ascend gently.
40.00	Set a porphyry stone 7 x 8 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 6 x 7 x 15 ins; 10 ins in the ground for cor. of secs. 3, 4, 9, and 10. marked with 5 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level and rolling.
	Soil, alkali and sandy; 4th rate.
	No timber.
	Scattering shadscale and white sage 36.00 chs.
	N. 89° 58' E. on a random line bet. secs. 3 and 10.
40.00	Set temp 1/4 sec. cor.
79.70	Intersect N. and S. line at cor. of secs. 3, 8, 10, and 11.
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 3 and 10.
	Over rolling land, through sand knolls and grease-wood. Ascend gently.
37.00	Leave sand knolls and grease wood
39.85	Set a porphyry stone 6 x 6 x 17 ins. 12 ins in the ground for 1/4 sec. cor. marked

Subdivision of T 8 N., R 14 W.

Chains	
	1/4 cor. N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.70	The cor. of secs. 3, 4, 9 and 10.
	Land, level and rolling
	Soil; alkali and sandy; 4th rate.
	No timber.
	Dense greasewood undergrowth 37.00 chs.
	N. 0° 02' W. on a true line bet. secs. 3 and 4. Over level land.
40.00	Set a lava stone 6 x 6 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
30.00	Diagonal.
35.41	Intersect 2nd Standard Parallel North. 87 lks. S 89° 21' W. of Standard cor. of secs. 33 and 34. heretofore described
	Set a porphyry stone 6 x 6 x 14 ins; 10 ins. in the ground for closing cor. of secs. 3 and 4. marked C. C. on S.; with 3 grooves on E. and 3 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	June 4, 1903.
	June 5: At 8h 10m a. m. l. m. t. I set of 41° 23' N. on the lat. arc. 22° 29' N. on the decl. arc. and determine a true

Chains	
	meridian with the polar at the cor. of secs. 4, 5, 32, and 33, on S. bdy. of Tp. heretofore described.
	Thence Drew N. 0° 03' W. bet secs. 32 and 33. Over level land.
5.00	Road from Terrace to Grantsville bears N. 20° W. and S. 20° E.
40.00	Set a porphyry stone 7 x 8 x 15 ins; 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 6 x 7 x 16 ins; 11 ins in the ground for cor of secs. 28, 29, 32, and 33. marked with 1 notch on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.

	East on a random line bet secs. 28 and 33.
40.00	Set temp 1/4 sec. cor.
80.05	Intersect N. and S. line 9 lks. S. of cor. of secs. 27, 28, 33, and 34.
	Thence Drew S. 89° 56' W. on a true line bet secs. 28 and 33. Over level land.
40.02	Set a porphyry stone 5 x 6 x 18 ins; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

Subdivision of T 8 N., R 14 W.

Chains	
59.00	Road from Terrace to Grantsville bears N. W. and S. E.
80.05	The cor of secs. 28, 29, 32, and 33. Land, level. Soil, alkali; 4th rate. No timber.
	N. 0° 03' W. bet secs. 28 and 29. Over level land.
40.00	Set a porphyry stone 7 x 8 x 13 ins.; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
41.00	Road from Terrace to Grantsville bears N. 30° W. and S. 30° E.
80.00	Set a porphyry stone 6 x 8 x 15 ins.; 10 ins in the ground for cor. of secs. 20, 21, 28, and 29. marked with 2 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.
	N. 89° 56' E. on a random line bet. secs. 21 and 28
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 links S. of cor. of secs. 21, 22, 27, and 28. Thence Drive S 89° 56' W. on a true line bet secs. 21 and 28.

Chains	
	Over level land.
40.00	Set a porphyry stone 5x7x16 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	The cor. of secs. 20, 21, 28, and 29.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 03' W. bet. secs. 20 and 21.
	Over level land.
40.00	Set a porphyry stone 6x8x16 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a porphyry stone 7x7x14 ins; 10 ins in the ground for cor of secs. 16, 17, 20, and 21. marked with 3 notches on S. and 4 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 55' E. on a random line bet. secs. 16 and 21.
40.00	Set temp 1/4 sec. cor.
79.95	Intersect N. and S. line 4 lks N. of cor. of secs. 15, 16, 21, and 22.
	Thence I run

Subdivision of T 8 S., R 14 E.

Chains.	
	S. 89° 37' E. on a true line bet secs. 16 and 21, over level land.
39.98	Set a porphyry stone 7 x 8 x 14 ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. in E. and W. of stone 3 ft. dist.; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.95	The cor. to secs. 16, 17, 20, and 21. Land, level. Soil, alkali; 4th rate. No timber.

June 5: At the cor. to secs. 16, 17, 20, and 21. heretofore described. I set off 22° 29' N. on the sec. arc; and at 12h 8m p. m. l. m. t. observed the sun on the meridian. The resulting lat. is 41° 25' which is about the proper lat.

	N. 0° 03' W. bet secs. 16 and 17. Over level land.
40.00	Set a porphyry stone 5 x 9 x 14 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins.; N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 7 x 10 x 15 ins.; 10 ins. in the ground for cor. to secs. 8, 9, 16, and 17. marked with 4 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins.; in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.

Subdivision of T8 N., R14 W.

Chains	
	N. 89° 57' E. on a random line bet. secs. 9 and 16.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 10, 15, and 16. Thence Drive S. 89° 57' W. on a true line bet. secs. 9 and 16. Through sand knolls and greasewood brush.
40.00	Set a quartzite stone 6 x 6 x 16 ins.; 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 8, 9, 16, and 17. Land, level and rolling Soil, alkali and sandy. 4th rate. No timber. Dense greasewood, undergrowth 80.00 chs.

	N. 1° 03' W. bet. secs. 8 and 9. Over rolling land, through sand knolls and greasewood.
33.00	Gentle ascent. Leave sand knolls and greasewood.
40.00	Set a porphyry stone 5 x 6 x 18 ins.: 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins., N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 12 x 12 x 18 ins.; 12 ins. in the ground for cor. of secs. 4, 5, 8, and 9. marked with 5 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land ascends gently.

Chains.	
	Soil, rocky; 4th rate. Timbered. Dense greenwood undergrowth 35.00 chs.
	N. 89° 57' E. on a random line bet. secs. 4 and 9.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks S. of cor. of secs. 3, 4, 9, and 10. Thence down S. 89° 56' E. on a true line bet. secs. 4 and 9. Along S. slope of Low mountain.
40.00	Set a porphyry stone 10 x 12 x 18 ins.; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raise a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 4, 5, 8, and 9. Land ascends gently. Soil, rocky; 4th rate. Timbered.
	N. 0° 03' W. on a true line bet. secs. 4 and 5. Over ascending land.
40.00	Set a porphyry stone 6 x 7 x 15 ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
8445.3	Intersect 2nd Standard Parallel N. 38 lks. S. 89° W. of Standard cor. of secs. 32 and 33. heretofore described. Set a porphyry stone 6 x 10 x 16 ins.; 11 ins. in the ground, for closing cor. of secs. 4 and 5; marked C. C. on S.; with 4 grooves on E. and 2 grooves on W. face;

Chains	and raise a mound of stone, 2 ft. base, 1½ ft. high S. of cor. Pits impracticable. Land gently rolling. Soil, rocky; 4th rate. No timber. June 5, 1908.
	June 6; At 8h 00m a. m. l. m. t. I set off 41° 23' N. on the lat. arc, 22° 35' N. on the dec. arc, and determine a true meridian with the polar at the cor. of secs. 5, 6, 31, and 32, on S. bdy of T 9 N. heretofore described. Thence I run N. 0° 04' W. bet secs. 31 and 32. Over level land.
40.00	Set a porphyry stone 6 x 7 x 16 ins; 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone, 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 5 x 6 x 18 ins; 12 ins in the ground for cor of secs. 29, 30, 31, and 32 marked with 1 notch on S. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, alkali; 4th rate. No timber.
	East on a random line bet secs. 29 and 32.
40.00	Set temp ¼ sec. cor.

Subdivision of T. 8 N., R. 14 W.

Chains	
80.00	Intersect N. and S. line at cor of secs. 28, 29, 32 and 33. Thence I run West on a true line bet. secs. 29 and 32. Over level land.
36.00	Road from Terrace to Grantsville bears N. W. and S. E.
40.00	Set a porphyry stone 5 x 7 x 16 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 29, 30, 31, and 32. Land level. Soil, alkali; 4th rate. No timber.

West on a random line bet secs. 30 and 31.

40.00	Set temp 1/4 sec. cor.
79.61	Intersect W. bdy of T. 30 Nks. R. 3 W. cor. of secs. 25, 30, 31, and 36. heretofore described. Thence I run S. 89° 47' E. on a true line bet. secs. 30 and 31. Over level land.
39.61	Set a porphyry stone 4 x 8 x 18 ins; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
79.61	The cor. of secs. 29, 30, 31, and 32. Land, level. Soil, alkali; 4th rate. No timber.

Subdivision of T 8 N., R 14 W.

Chains	
	N. 0° 04' W. bet secs. 29 and 30.
	Over level land.
40.00	Set a quartzite stone 4 x 7 x 18 ins; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins, N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5 x 7 x 16 ins; 11 ins. in the ground for cor. of secs. 19, 20, 29, and 30. marked with 2 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth, 4 ft. base 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	In timber.

	East on a random line bet. secs. 20 and 29.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 4 lks. S. of cor. of secs. 20, 21, 28, and 29.
	Thence, Surv
	S. 89° 58' W. on a true line bet. secs. 20 and 29.
	Over level land.
22.00	Road from Terrace to Grantsville bears N. 30° W. and S. 30° E.
40.00	Set a porphyry stone 5 x 6 x 18 ins; 12 ins, in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
42.00	Road from Terrace to Grantsville bears N. 10° W. and S. 10° E.
80.00	The cor of secs. 19, 20, 29, and 30.

Subdivision of T 8 N., R 14 W.

Chains	
	Land, level Soil alkali; 4th rate. No timber.
	Running from previous retracement of N. bdy of Tp. that a closing cor. bet. secs. 19 and 30 will be necessary. Opens. West on a true line bet. secs. 19 and 30, over level land.
40.00	Set a porphyry stone 4 X 8 X 18 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
79.76	Intersect W. bdy of Tp. S. 89° 13' E. of cor. of secs. 19, 24, 25 and 30. heretofore described Set a quartzite stone 5 X 7 X 16 ins., 11 ins. in the ground for closing cor. of secs. 19 and 30. marked C.C. on E. with 4 grooves on N. and 2 grooves on S. face; dig pits 24 X 18 X 12 ins. crossing on each line N. and S. 3 ft. and E. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high E. of cor. I destroy all marks on old cor. pertaining to secs. 19 and 30. Land level. Soil alkali; 4th rate. No timber.
	N. 0° 04' W. bet. secs. 19 and 20. Over level land.
40.00	Set a porphyry stone 5 X 7 X 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face: dig pits 18 X 18 X 12 ins., N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.

Subdivision of T8N., R14W.

Chains.	
80.00	Set a limestone 3x7x16 ins.; 11 ins. in the ground for cor. of secs. 17, 18, 19, and 20. marked with 3 notches on S. and 5 notches on E. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land level. Soil alkali; 4th rate. No timber.
	N. 89° 58' E. on a random line bet. secs. 17 and 20.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 16, 17, 20, and 21. Thence I run S. 89° 58' W. on a true line bet. secs. 17 and 20. Over level land.
40.00	Set a porphyry stone 6x7x15 ins.; 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone, 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
63.00	Road from Terrace to Grantsville bears N. W. and S. E.
80.00	The cor. of secs. 17, 18, 19, and 20. Land level. Soil alkali; 4th rate. No timber. June 6: At this cor. I set Polaris 22° 36' N. on the decl. arc. and at 12h 0m 0s m. t. observe the sun on the meridian the resulting lat is 41° 25'.
	Knowing from previous re-tracement of W. bdy. of Tp. that a closing cor. bet. secs.

Chains.	
	18 and 19. will be necessary.
	I run
	West on a true line bet. secs. 18 and 19.
	Over level land.
40.00	Set a quartzite stone 5x7x16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone, 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.88	Intersect W. bdy of Tp. 1.08 chs. S 0° 11' E. of cor. of secs. 13, 18, 19. and 24. heretofore described.
	Set a quartzite stone 6x6x14 ins; 10 ins. in the ground for closing cor. of secs. 18 and 19. marked C.C. on E. with 3 grooves on N. and 3 grooves on S. face; dig pits 24x18x12 ins, crosswise on each line N. and S., 3 ft; and E. of stone, 7 ft. dist; and raise a mound of earth. 4 ft. base, 2 ft. high E. of cor.
	I destroy all marks on old cor. pertaining to secs. 18 and 19.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 04' W. bet. secs. 17 and 18.
	Over rolling land.
21.00	Enter grease-wood. Ascend gently.
37.20	Road from Terrace to Grantsville bears N. 20° W. and S. 20° E.
40.00	Set a quartzite stone 5x7x16 ins; 11 ins, in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5x6x18 ins;

Chains	
	12 ins. in the ground for cor. of secs. 7, 8, 17, and 18. marked with 4 notches on S. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land gently ascending.
	Soil, alkali; 4th rate.
	Timber.
	Dense greasewood, undergrowth 39.00 chs.
	N. 89° 38' E. on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
79.88	Intersect N. and S. line 9 lks. S. of cor. of secs. 8, 9, 16, and 17.
	Thence Drive
	S. 89° 5' 4" W. on a true line bet. secs. 8 and 17.
	Over rolling land.
18.00	Ascend gently through greasewood
39.94	Set a porphyry stone 6 x 7 x 15 ins. above 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins; E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.88	The cor. of secs. 7, 8, 17, and 18.
	Land, gently ascending.
	Soil, alkali; 4th rate.
	Timber.
	Dense greasewood, undergrowth 61.88 chs.
	Knowing from previous re-tracement of N. bdy of Tp. that a closing cor. bet. secs. 7 and 18. will be necessary.
	Drive
	West on a true line bet. secs. 7 and 18.
	Through greasewood.

Subdivision of T 8 N., R 14 W.

Chains.	
23.00	Road from Terrace to Grantsville bears N. W. and S. E.
40.00	Set a porphyry stone 4 x 7 x 18 ins; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
80.02	Intersect W. bdy of T 9 S. 1.63 chs S. 0° 05' E. of cor. of secs. 6, 12, 13, and 18, heretofore described. Set a quartzite stone 7 x 8 x 14 ins; 10 ins. in the ground for closing cor. of secs. 7 and 18, marked C. C. on E. with 2 grooves on N. and 4 grooves on S. face; dig pits 18 x 18 x 12 ins. crosswise on each line N. and S. 3 ft. and E. of stone 7 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high E. of cor. Destroy all marks on old cor. pertaining to secs. 7 and 18. Land gently ascending. Soil, alkali; 4th rate. Timber. Dense greasewood undergrowth 80.02 chs.

	N. 0° 04' W. bet. secs. 7 and 8. Over gently ascending land, through grease-wood.
40.00	Set a porphyry stone 5 x 7 x 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
75.00	Leave grease-wood, bears N. W. and S. E.
80.00	Set a porphyry stone 5 x 8 x 18 ins.

Subdivision of T 8 N., R 14 E.

Chains	
	12 ins. in the ground for cor. of secs. 5, 6, 7, and 8, marked with 3 notches on S. and 3 notches on E. edge; dig pits 18 X 18 X 12 ins., in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land, gently ascending.
	Soil alkali; 4th rate.
	No timber
	Dense greasewood undergrowth 75:00 chs.
	N. 89° 54' E. on a random line bet. secs. 5 and 8.
40.00	Set temp. 1/4 sec. cor.
79.82	Intersect N. and S. lines 11 lks. S. of cor. of secs. 4, 5, 8, and 9.
	Thence I run
	S. 89° 49' W. on a true line bet. secs. 5 and 8.
	Over level land.
39.91	Set a porphyry stone 7 X 7 X 13 ins.; 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and N. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.82	The cor. of secs. 5, 6, 7, and 8.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	Knowing from previous re-traverse of N. bdy. of Tp. that a closing cor. bet. secs. 6 and 7 will be necessary
	I run
	West on a true line bet. secs. 6 and 7.
	Over gently descending land.
20.00	Enter greasewood bears N. W. and S. E.

Subdivision of T 8 N., R 14 W.

Chains	
40.00	Set a porphyry stone 5" x 8 x 15" ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12" ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
3 3.00	Road from Terrace to Grantsville bears N. W. and S. E.
79.67	Intersect W. bdy of T. 8 N. 1.77 chs. S. 0° 22' W. of cor of secs. 1, 6, 7, and 12, heretofore described.
	Set a quartzite stone 5" x 7 x 16" ins; 11 ins. in the ground for closing cor. of secs. 6 and 7, marked C. C. on E. with 1 groove on N. and 5 grooves on S. face; dig pits 24 x 18 x 12" ins, crosswise on each line N. and S. 3 ft. and E. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high E. of cor.
	Destroy all marks on old cor. pertaining to secs. 6 and 7.
	Land gently descending.
	Soil, alkali; 4th rate.
	No timber.
	Dense greasewood undergrowth 3-9.67 chs.
	N. 0° 04' W. on a true line bet secs. 5 and 6.
	Over ascending land.
40.00	Set a porphyry stone 6" x 8 x 15" ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
83.12	Intersect 2nd Standard Parallel N. 22 lks. S 89° 07' W. of old Standard cor. of secs. 31 and 32, heretofore described.

Subdivision of T 8 N., R 14 E.

Set a quartzite stone 6 x 7 x 14 ins; 10 ins. in the ground, for closing cor. of secs. 5 and 6, marked C. C. on S.; with 5 grooves on E. and 1 groove on W. face; and raise a mound of stone 2 ft. base, 1½ ft. high S. of cor. Pits impracticable.
Land ascending.
Soil rocky; 4th rate.
No timber.

June 6, 1903.

General description.
This township consists of wet alkali land. Water can be found within 3 ft. of the surface in all the southern portion. The N. R. cor. runs up into the foot hills of Little Mountains. The soil is alkali, and 4th rate. Nothing grows upon it except scattering greasewood in the northern portion.
There are no indications of minerals on the T'p.
There are no settlers on the township.

Alfredo R. Fernandez
U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by .....

....., United States Deputy Surveyor, to assist in running, measuring, and king the lines and corners described in the foregoing field notes of the survey of .....

.....

ing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all parts or portions of the .....

.....

.....

..... of the .....

..... meridian, ... of ....., which are represented e foregoing field notes as having been surveyed by him and under his direction; and that said survey been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the r monuments established, according to the instructions furnished by the United States Surveyor ral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

cribed and sworn to before me this .....
lay of ....., 190

SEAL

.....

.....

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 190 , 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 ....., the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

..... of the ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ..... and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; 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.

United States Deputy Surveyor.

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City, Utah, [illegible] ....., 190

The foregoing field notes of the survey of the subdivisional lines of Township 8 North Range 14 West of the Salt Lake Base & Meridian Utah,

executed by Alfredo N. Salamantes & John W. Dougall under ~~his~~ their contract No. 262, dated March 23 1903, 190 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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FILED

NOV 16 1903

BOOK A-300

FIELD NOTES

OF THE SURVEY OF THE

S.H.

East South and North Boundaries

of

T.6 N., R.13 W.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Fredo R. Talamantes & John W. Inegall, United States Deputy Surveyors

der ~~his~~ their Contract No. 262, dated March 23, 1903.

vey commenced June 5, 1903.

vey completed June 8, 1903.

6—151

East Bdy Cor 6-27-50

South " " 3 0000

" " high 3.12.70 6-12-70

North " Cor 6-12-41 15-39-91

NAMES AND DUTIES OF ASSISTANTS.

John W. Chase	Chainman.
William W. Evans	Chainman.
Otto B. Vonarx	Moundman.
Thomas M. Gallup	Flagman.

For preliminary affidavits see book H. Tp. 6 N R 15 W

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BOOK A-300

INDEX DIAGRAM.

Township 6 North, Range 13 West

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19	20	21	22	23	24	5
30	29	28	27	26	25	5
31	32	33	34	35	36	6
11	10	10.	9.	8.	8.	

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

..... *Chainm*

..... *Chainm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

WE, ... and .....

do solemnly swear that we will well and truly perform the duties of moundmen in the establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the surve

..... *Moundm*

..... *Moundm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

WE, ... and .....

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of cor
and other duties, according to instructions given us, to the best of our skill and ability, in the surve

..... *Axm*

..... *Axm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

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

..... *Flagm*

Subscribed and sworn to before me this .....
day of ....., 190

SEAL

Survey commenced June 5, 1903, and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.
The instrument was examined and tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah, April 30, 1903.
I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus by comparing the indications resulting from solar observations made during p. m. and a. m. hours, with a meridian determined by observations on Polaris.
I proceed as follows:
At the cor of Tps 5 and 6 N., Rs 13 and 14 W. heretofore described, and in lat 41°12' N. long 113°23' W. set at 41°12' N. on the lat arc. 22°31' N. on the decl. arc. and at 4h 00m p. m. l. m. t determine with the solar a true meridian and mark a point thereon on a peg driven in the ground 5.00 chs N. of the cor.

June 5, At 8h 30m p. m. l. m. t; observe Polaris at lower culmination, in accordance with Manual of Instructions and mark the true meridian thus determined by a small nail driven in the hub already set 5.00 chs N. of cor. on which the true meridian falls 0.2 ins. E. of the mark determined by the solar.

June 5, 1903.

East Bdy. of T6 N., R13 W.

June 6: At 8h 00m a. m. l. m. t. I set off 41° 1/2' N. on the lat. arc. 22° 33' N. on the decl. arc. and mark a point in the meridian determined with the solar by a pencil mark on the stake set 3.00 chs N. of cor. This mark falls 0.1 inch E. of the meridian established by the Polaris observation.

The solar apparatus by p. m. and a. m. observations defines positions for meridians, about 0' 11" west and 0' 05' East of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h 00m a. m. is N. 17° 30' W. The angle thus determined gives the mag. decl. 17° 30' E.

Thence I run East on a random line on S. bdy of T. 6 N., R 13 W. Setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 and 80.00 chs, and at 6 miles set temp. cor. of Tps. 5 and 6 N. Rs 12 and 13 W.

Thence I continue random line North on E. bdy of T6 N. R13 W. setting temp. 1/4 sec. and sec. cors at intervals of 40.00 and 80.00 chs respectively: and at 307.30 chs. fall 12.70 chs W. of cor. of Tps 6 and 7 N. Rs 12 and 13 W. which I am unable to find as described by the Surveyor General except traces of pits and mound and not being satisfied as to the identity of the cor. I continue a blank line North on E. bdy sec. 36. At 40.33 chs fall 19 lks N. of old 1/4 sec. cor. which is a limestone 8 x 10 x 3" ins. above ground, marked and witnessed as described by the surveyor general. At 80.93 chs. fall 7 lks N. of old pits

Chains

and mound. nw cor. could be found, therefore I continue my blank line north and find no part of E. bdy T 7 N. R 13 W. nw alinement and measurements defective; and at +82.74 chs I fall 3.21 chs East of cor of Tps 7 and 8 N. Rs 12 and 13 W. which is a granite stone 16 x 16 x 8 ins above ground marked and witnessed as described by the surveyor general Being satisfied by condition in which I find E. bdy of T 7 N., R 13 W. that pits and mound found at cor of Tps. 6 and 7 N., Rs 12 and 13 W. are sufficient evidence to identify position of original cor. I re-establish same as follows

Set a quartzite stone 10 x 12 x 14 ins; 10 ins in the ground for cor of Tps 6 and 7 N. Rs 12 and 13 W. marked

7 N on N E.,
12 W. on S E.,
6 N on S W.,and
13 W on N W. face; with 6 notches on each edge; dig pits 24 x 24 x 12 ins: on each line N., E., and W. 4 ft. and S. 3 ft. stone 8 ft. dist; and raise a mound of earth 3 ft. base, 2½ ft. high S. of cor.

June 6: At this cor. I set off 22°36' N. on the decl. arc; and at 12h 00m 22s l.m.t. observe the sun on the meridian; the resulting lat. is 41°17' N

Thence I run
South on a true line bet. secs. 1 and 6.
Over level land.

18.00 Telegraph line bears S. 81° E. and N. 81° W.
18.66 Middle of single track of Central Pacific R.R. bears S. 81° E. and N. 81° W. this track is known as the Lucin Cut-off
67.50 Set a quartzite stone 4 x 7 x 18 ins; 12 ins

	in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins.; N. and S. of stone, 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
107.50	Set a quartzite stone, 4 x 10 x 14 ins.; 10 ins. in the ground, for cor. of secs. 1, 6, 7, and 12, marked with 1 notch on N. and 5 notches on S. edge; dig pits 18 x 18 x 12 ins.; in each sec. 3½ ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	South bet. secs. 7 and 12.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 14 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins., N. and S. of stone, 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a quartzite stone 3 x 7 x 16 ins., 11 ins. in the ground for cor. of secs. 7, 12, 13, and 18, marked with 2 notches on N. and 4 notches on S. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	South bet. secs. 13 and 18.
	Over level land.
40.00	Set a quartzite stone 3 x 6 x 17 ins.; 12 ins.

Chains	
	in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
40.00	Set a granite stone 5 x 6 x 18 ins; 12 ins. in the ground for cor. of secs. 13, 18, 19, and 24. marked with 3 notches on N. and 3 notches on S. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	South bet secs. 19 and 24.
	Over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins, N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
40.00	Set a granite stone 5 x 6 x 19 ins; 14 ins. in the ground for cor. of secs. 19, 24, 25, and 30. marked with 4 notches on N. and 2 notches on S. edge; dig pits 18 x 18 x 12 ins; in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	South bet. secs. 25 and 30.
	Over level land.
40.00	Set a porphyry stone 12 x 14 x 24 ins. 18 ins.

Chains	
	in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a granite stone 6 x 8 x 16 ins; 11 ins. in the ground, for cor. of secs. 23, 30, 31 and 36. marked with 3 notches on N. and 1 notch on S. edge; dig pits 18 x 18 x 12 ins; in each sec. 3 1/2 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber
	South bet. secs. 31 and 36.
	Over level land.
20.00	Road from Terrace to Grantsville bears S. 70° E. and N. 70° W.
40.00	Set a granite stone 5 x 7 x 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Intersect E. and N. line 12.70 chs East of temp. cor. of Tps. 5 and 6 N., Rs. 12 and 13 W. Previously set at this intersection I set a porphyry stone 6 x 8 x 16 ins, 11 ins in the ground, for cor. of Tps. 5 and 6 N., Rs. 12 and 13 W. marked 6 N on N.E., 12 W on S.E., 5 N on S.W. and 13 W on N.W., face, with 6 notches on each edge; dig pits 24 x 24 x 12 inches on each line N., E., and W., 4 ft. and S. of stone 8 ft. dist; and raise a mound of earth 5 ft. base, 2 1/2 ft. high S. of cor. I destroy Temp. cor. previously set.

East Bdy. of T 6 N., R 13 W.

Land level,
Soil, alkali; 4 lbs rate.
Fertility

June 6, 1903

General Description.

For general description, see notes
of subdivision of T 6 N. R 13 W.

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South Bdy. of T 6 N., R. 13 W.

Chains	
	Survey commenced June 7, 1903, and executed with a W. and L. E. Gurley light mountain transit with polar attachment.
	The horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.
	For complete description of polar apparatus see beginning of this book.
	June 7, 1903: At 8h 00m a.m. l.m.t. I set off 41° 12' on the lat arc. 22° 41' N. on the decl. arc. and determine a meridian with the polar at the cor of Tps. 5 and 6 N., Rs 12 and 13 W. hereto fore described.
	Thence I run
	West on a true line bet. secs. 1 and 36.
	Over level land.
40.00	Set a porphyry stone 5" x 7" x 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18" x 18" x 12 ins. E. and W. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
80.00	Set a porphyry stone 4" x 10" x 14 ins; 10 ins in the ground for cor of secs. 1, 2, 35 and 36 marked with 1 notch on E. and 3 notches on W. edge; dig pits 18" x 18" x 12 ins; in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	West bet. secs. 2 and 35:
	Over level land.
40.00	Set a porphyry stone 4" x 10" x 14 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18" x 18" x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound

Chains	
	of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Set a porphyry stone 4x10x14 ins; 10 ins in the ground for cor. of secs. 2, 3, 34, and 35 marked with 2 notches on E. and 4 notches on W. edge; dig pits 18x18x12 ins; in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	West bet. secs 3 and 34.
	Over level land.
40.00	Set a porphyry stone 5x7x16 ins; 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 ins. E. and W. of stone. 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
60.00	Leave alkali flat; enter greasewood brush.
65.80	Road from Terrace to Grantsville bears N. E. and S. gradually ascend.
80.00	Set a porphyry stone 5x8x15 ins.; 10 ins. in the ground for cor. of secs. 3, 4, 33 and 34 marked with 3 notches on E. and 3 notches on W. edge; and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Land level and rolling.
	Soil, alkali; 4th rate.
	No timber.
	Dense undergrowth 20.00 chs.
	June 7, 1903: At this cor. I set off 22°42' N. on the decl. arc. and at 12h 08m m. l. m. t. observe the sun on the meridian; the resulting lat. is 41°12'.

South Bay, T 6 N., R 13 W.

Chains.	
	West bet. secs. 4 and 33.
	Over rolling land.
20.00	Leave rolling land; enter mountainous land; ascend over rough south slope.
38.00	Spur projects south-easterly.
40.00	Set a porphyry stone 4 x 10 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
53.00	Descend abruptly.
60.00	Bottom of side canon drains S.E.
	Ascend gradually.
75.00	Ascend abruptly; enter scattering cedar.
80.00	Set a porphyry stone 8 x 10 x 24 ins, 18 ins. in the ground for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E. and 2 notches on W. edge; and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
60/20	Pits impracticable.
	Land mountainous.
	Soil rocky, 3rd and 4th rate.
	Timber, scattering cedar 5.00 chs.
	Mountainous land 60.00 chs.

	West bet. secs 5 and 32.
	Over rough mountainous land.
	Ascend abruptly
33.30	Top of rock spur projects south-easterly
	Descend abruptly.
40.00	Cor. falls on solid rock.
	Mark a (X) at exact cor point and set a porphyry stone 5 x 10 x 18 ins. firmly in mound of stone; for 1/4 sec. cor. marked 1/4 on N. face; and raise a mound of stones 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
46.25	Gulch drains south-easterly. Ascend abruptly

South Bdy. T6N. R13W.

Chains	
80.00	Cor falls on solid rock Mark a (X) at exact cor point and Set a quartzite stone 6X6X18 ins; X firmly in mound of stone for cor. of secs. 5, 6, 31, and 32. marked with 5 notches on E. and 1 notch on W. edge; and paces a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil rocky: 3rd and 4th rate. Timber. Mountainous land 80.00 chs.
	West bet. secs. 6 and 31. Over mountainous land, ascending abruptly over broken ledges.
20.50	Top of low Foundland mountains bears N. 10° E. and S. descend abruptly
40.00	Set a sandstone 3X12X18 ins; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; and paces a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable
91.70	Slash drains north-westerly.
92.70	The cor of Tps. 5 and 6 N. Rs. 13 and 14 W. heretofore described Land mountainous. Soil rocky: 3rd and 4th rate. Timber. Mountainous land 92.70 chs. June 7, 1903.

General Description.

For general description see notes of subdivision of T6N. R13W.

North Bdy. of T. 6 N., R 13 W.

Survey commenced June 8, 1903. and executed with a W. and L. E. Gurley, light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc.
For complete test of solar apparatus see begining of this book
June 8: At 7h 30m a. m. l. m. t. I set off 41°17' N. on lat arc, 22°47' N on the decl. arc. and determine a meridian with the solar at the re-established cor. of Tps. 6 and 7 N. Rs 12 and 13 W. heretofore described.
Thence I run
West on a random line on N. bdy. of T. 6 N., R 13 W. setting temp. 1/4 and sec. cors. at intervals of 40.00 and 80.00 chs. respectively, and at 492.41 chs intersect N. and S. line 18.66 chs N. of cor. of Tps 6 and 7 N. Rs 13 and 14 W. heretofore described.
June 8: At this cor. I set off 22°48' N. on the decl. arc. and at 12h 00m m. l. m. t. observe the sun on the meridian. the resulting lat. is 41°17' N

Knowing from blank line previously run along E. bdy of T 7 N. R 13 W. that same is out of limit, and that if T 7 N. R 13 W. were subdivided in the regular manner it would necessitate throwing fractional areas against both E. and W. boundaries of said Tp. I conclude to subdivide T 7 N., R 13 W. from west to east and accordingly set corners for both Tps 6 and 7 N. along N. bdy of T. 6 N. R 13 W.

North Bdy. of T 6 N., R 13 W.

Chains	
	From cor. of Secs 6 and 7 N. Rs 13 and 14 W. heretofore described. 3 pm E. on a true line on N. bdy. sec. 6. Over rolling land.
40.00	Set a porphyry stone 5 x 7 x 15 ins.; 10 ins in the ground for 1/4 sec. cor. on S. bdy of secs 31. T 7 N. R 13 W. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone, 3 ft. dist; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
32.41	Set a porphyry stone 6 x 6 x 14 ins; 10 ins. in the ground for 1/4 sec. cor. on N. bdy sec. 6. of T 6 N. R 13 W. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high S. of cor.
80.00	Set a porphyry stone 5 x 7 x 16 ins; 11 ins in the ground for cor. of secs 31 and 32. T 7 N. R 13 W. marked with 3 notches on E. and 1 notch on W. edge; dig pits 24 x 24 x 12 ins, in each sec. 6 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
92.41	Set a porphyry stone 6 x 6 x 14 ins; 10 ins in the ground for cor of secs. 5 and 6. T 6 N. R 13 W. marked with 5 notches on E. and 1 notch on W. edge; dig pits 24 x 24 x 12 ins, in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land rolling
	Soil alkali, 4th rate.
	Timber.

	East on N. bdy, sec. 5.
	Over rolling land
27.59	Set a porphyry stone 5 x 7 x 15 ins. 10 ins. in the ground for 1/4 sec. cor.

North Bdy. of T 6 N., R 13 W.

Chains	on S. bdy sec 32. T 7 N., R 13 W. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
40.00	Set a quartzite stone 5 x 7 x 16 ins; 11 ins. in the ground for 1/4 sec. cor. on N. bdy sec. 5. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins. E and W. of stone, 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high S. of cor.
67.59	Set a porphyry stone 5 x 7 x 16 ins; 11 ins in the ground for cor of secs. 32 and 33 T 7 N. R 13 W. marked with 4 notches on E. and 2 notches on N. edge; dig pits 24 x 24 x 12 ins. in each, sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
80.00	Set a porphyry stone 4 x 7 x 18 ins; 12 ins. in the ground for cor. of secs. 4 and 5. 6 N., R 13 W. marked with 4 notches on E. and 2 notches on W. edge; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land, rolling.
	Soil alkali 4th rate.
	Timber.

	East on N. bdy. sec 4.
	Over level land
27.59	Set a porphyry stone 5 x 8 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. on S. bdy. sec 33. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

North Bdy of T 6 N., R 13 W.

Chains	
40.00	Set a porphyry stone 5 x 8 x 15 ins; 10 ins in the ground for 1/4 sec. cor. on N. bdy sec. 4. T 6 N. R 13 W. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high S. of cor.
67.39	Set a porphyry stone 5 x 7 x 15 ins; 10 ins in the ground, for cor of secs 33 and 34. T 7 N. R 13 W. marked with 3 notches on E. and 3 notches on W. edge; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist; and raise a mound of earth, 4 ft base, 2 ft. high N. of cor.
80.00	Set a porphyry stone 5 x 8 x 15 ins; 10 ins. in the ground for cor of secs. 3 and 4. T 6 N. R 13 W. marked with 3 notches on E. and 3 notches on W. edge; dig pits 24 x 24 x 12 ins, in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land, level.
	Soil alkali; 4th rate.
	No timber.

East on N. bdy sec. 3.

Over level land.

27.39	Set a porphyry stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. on S. bdy. sec. 34. T 7 N. R 13 W. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins; E. and W. of stone 3 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
40.00	Set a porphyry stone 5 x 6 x 18 ins; 12 ins. in the ground for 1/4 sec. cor.

North Bdy of T 6 N., R 13 W.

Chains.	
	on N. bdy. sec 3. T 6 N. R 13 W. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high S. of cor.
67.59	Set a porphyry stone 5 x 7 x 16 ins; 11 ins. in the ground for cor. of secs. 34 and 35. T 7 N. R 13 W. marked with 2 notches on E. and 4 notches on W. edge; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
80.00	Set a quartzite stone 5 x 7 x 16 ins; 11 ins in the ground for cor. of secs. 2 and 3. T 6 N. R. 13 W. marked with 2 notches on E. and 4 notches on W. edge; dig pits 24 x 24 x 12 ins. in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.

East on N. bdy. sec. 2.

Chee level land.

27.59	Set a porphyry stone 4 x 7 x 18 ins; 12 ins. in the ground for 1/4 sec. cor on S. bdy. sec 35. T 7 N. R 13 W. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins, E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
40.00	Set a quartzite stone 5 x 6 x 18 ins; 12 ins in the ground for 1/4 sec. cor. on N. bdy sec. 2. T 6 N. R 13 W. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high S. of cor.

North Bdy. of T 6 N., R 13 W.

Chains	
67.39	Set a porphyry stone 5 x 7 x 16 ins; 11 ins in the ground for cor of secs. 35 and 36. T 7 N. R 13 W. marked with 1 notch on E. and 5 notches on W. edge; dig pits 24 x 24 x 12 ins, in each sec. 6 ft dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
80.00	Set a quartzite stone 4 x 7 x 18 ins; 12 ins in the ground for cor. of secs. 1 and 2. T 6 N. R 13 W; marked with 1 notch on E. and 5 notches on W. edge; dig pits 24 x 24 x 12 ins, in each sec. 6 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	Timber.
	East on N. bdy sec 1.
	Over level land.
27.39	Set a porphyry stone 5 x 6 x 18 ins; 12 ins in the ground for 1/4 sec. cor on S. bdy sec 36. T 7 N., R 13 W. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
40.00	Set a quartzite stone 5 x 7 x 16 ins; 11 ins in the ground for 1/4 sec. cor on N. bdy. sec. 1. T 6 N. R 13 W. marked 1/4 on S. face; dig pits 18 x 18 x 12 ins; E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. S. of cor.
77.00	Finding that intersection with N. and S. line falls in center of railroad track and a Tp. cor at that point would be impracticable.
	I set a porphyry stone 5 x 10 x 24 ins;

North Bdy. of T 6 N., R 13 W.

Chains. 18 ins. in the ground for witness cor. to closing cor. for Tps. 6 and 7 N. R 13 W. marked W.C. C.C. 13 W. on W. 6 N on S. 7 N. on N. face; with 6 grooves on W., S., and N. face; dig pits 30 x 24 x 12 ins; crosses on each line N. and S. 4 ft. dist; and W. 2 stones 8 ft. dist; and raise a mound of earth 3 ft. base, 2 1/2 ft. high W. 2 cor.

80.00 Intersect N. and S. line 18.66 chs South of cor of Tps 6 and 7 N. Rs 12 and 13 W. heretofore described.
Point of intersection falls in center of single track Central Pacific Ry. which bears N. W. and S. E.
Set a porphyry stone 5 x 8 x 16 ins; 16 ins. in the ground for closing cor of Tps 6 and 7 N. Rs 12 and 13 W. marked C.C 13 W on W., 6 N. on S., and 7 N on N. face; with 6 grooves on W., S., and N., faces.
Pits and mound impracticable.
I destroy all marks on cor. of Tps 6 and 7 N., Rs 12 and 13 W. pertaining to Range 13 W.
Land, level.
Soil, alkali: 4th rate.
Surveyed.

Latitudes, Departures and Closing Errors.

Line Designated		True Bearing	Dist	Latitudes		Departures	
				N.	S.	E.	W.
			Chs.	Chs.	Chs.	Chs	Chs.
W Bdy.	T 6 N. R 13 W	North	488.74	488.74			
N. Bdy.	T 6 N. R 13 W	East	492.41			492.41	
E. Bdy.	T 6 N. R 13 W	South	488.84		488.84		
S. Bdy.	T 6 N. R 13 W	West	492.70				492.70
Convergency						0.63	
Totals				488.74	488.84	493.04	492.70
					488.74	492.70	
Error in Lat					0.10	.34	Error in Dep.

North Bdy. of T6N., R13W.

General Description.

For general description see notes of subdivision T6N. R13W.

John W Dougall.
U. S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, 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 S. Bdy. 6N., R15W.: E. and N. Bdy's T5N., R14W.: E and N. Bdy's T7N., R14W. and S. E. and N. Bdys. T6N., R13W. of the Salt Lake Base and Meridian Utah.
showing the respective capacities in which they acted:

John W. Chase, *Chainman.*
William H. Evans, *Chainman.*
Otto B. Konarx, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Thomas M. Gallup, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States Deputy Surveyor, in surveying all
se parts or portions of the S. Bdy. T6N., R15W.: E. and N. Bdys. T5N., R14W.
. and N. Bdys T7N., R14W. and S. E. and N. Bdys. T6N. R13W.
of the Salt
ke Base and meridian, State of Utah, which are represented
he foregoing field notes as having been surveyed by him and under his direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
ner monuments established, according to the instructions furnished by the United States Surveyor
neral for Utah

John W. Chase, *Chainman.*
William H. Evans, *Chainman.*
Otto B. Konarx, *Moundman.*
, *Moundman.*
, *Axman.*
, *Axman.*
Thomas M. Gallup, *Flagman.*

scribed and sworn to before me this 6
day of July 1902, 180

SEAL

Houghton Dougall
Notary Public

-151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W Dougall, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H Anderson United States Surveyor General for the State of Utah, bearing date of t 23 day of March 1903, 189, I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Survey General for the State of Utah, the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of the South boundary T 6 N R 15 W East North Boundaries T 5 N R 14 W East & North Boundaries T 6 N R 14 W and the South East & North Boundaries T 6 N R 13 W

of the Salt Lake Base & Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for the State of Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John W. Dougall
United States Deputy Surve

Subscribed by said John W Dougall, and sworn to before me this 16 day of December 1903 189

SEAL

Edward H Anderson
U.S. Surveyor-Gen
for Ut

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 5, 1904, 189

The foregoing field notes of the survey of the East South & North Boundaries Township 6 North Range 13 West of the Salt Lake Base & Meridian, Utah

executed by Alfred Colesworthy for John W Dougall under his contract No. 262, dated March 23 1903, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor Gen

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

United States Surveyor Gen

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4—679.

W.

BOOK A-300

FILED

NOV 16 1903

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T6N., R13W.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Fredo R. Talamantes and John W. Dougall, United States Deputy Surveyor,

under ~~his~~ their Contract No. 262, dated March 23, 1903

Survey commenced June 9, 1903

Survey completed June 13, 1903

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Low 40-66-65 ✓

high 20-19-79 ✓

61-06-44

BOOK A-300

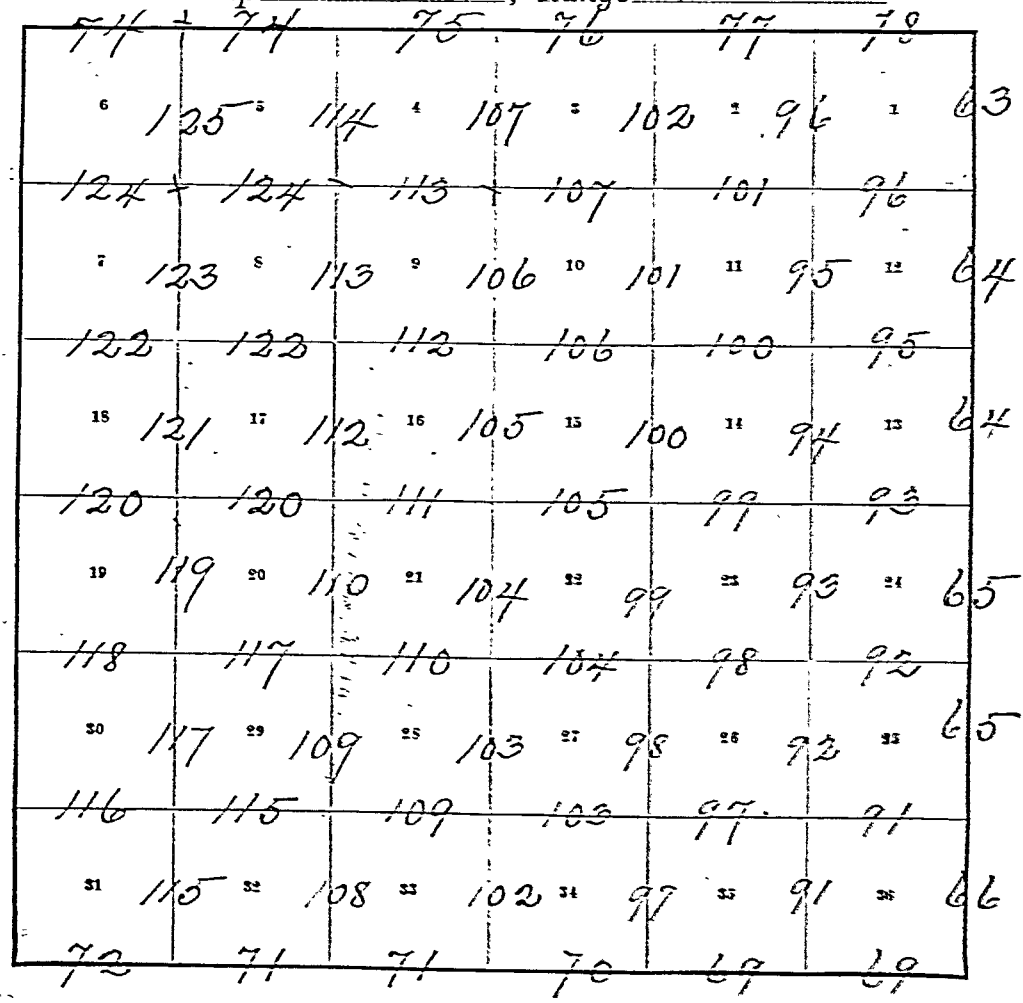
NAMES AND DUTIES OF ASSISTANTS.

John W. Chase. Chainman.
William W. Evans. Chainman.
Otto B. Vonarx Mounidman
Thomas M. Gallup. Flagman.

For preliminary affidavits see book I Tp. 6 N R. 13

INDEX DIAGRAM.

Township 6 N., Range 13 W.



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6	125	5	114	4	107	3	102	2	96	1	63
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Meanders Page

BOOK A-300

INDEX DIAGRAM.

Township 6 North, *Range* 13 West

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18	30.	17	30	16	21.	15	15.	14	9.	13	3.
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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will lev
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same
we will report the true distances to all notable objects, and the true lengths of all lines that we as
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the sur

_____

_____, *Chai*

_____, *Chai*

Subscribed and sworn to before me this _____
day of _____, 190

SEAL

_____

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establis
of corners, according to the instructions given us, to the best of our skill and ability, in the sur

_____

_____, *Moun*

_____, *Moun*

Subscribed and sworn to before me this _____
day of _____, 190

SEAL

_____

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of
and other duties, according to instructions given us, to the best of our skill and ability, in the sur

_____

_____, *A*

_____, *A*

Subscribed and sworn to before me this _____
day of _____, 190

SEAL

_____

_____

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

_____, *Fla*

Subscribed and sworn to before me this _____
day of _____, 190

SEAL

_____

_____

Subdivision of T6N., R13W.

Survey commenced June 9. 1903 and executed with a W and L.E. Gurley light mountain transit, with solar attachment The horizontal limb having two double verniers placed opposite to each other and reading to single minute of arc.
For a complete test of solar apparatus see book V.
At 8h 00m a.m. l.m.A. I set off 41°12' N on the lat. arc 22°53' N on the decl arc and at the cor of secs. 1, 2, 35 and 36 on S. bdy. of Tp. heretofore described determine with the solar a true meridian.
Thence I run.
N 0°01' W bet secs 35 and 36
Over level land.

40.00 Set a quartzite stone 5x8x14 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face dig pits: 18x18x12 ins N and S of stone 3 ft dist.: and raise a mound of earth 3½ ft. base 1½ ft. high W of cor.

80.00 Set a Granite stone 5x8x16 ins 11 ins in the ground for cor of secs. 25, 26, 35, and 36 marked 1 notch on S and E edges: dig pits 18x18x12 ins in each sec. 5½ ft. dist.: and raise a mound of earth 4 ft base 2 ft high W of cor.
Land level
Soil alkali 4th rate
No timber

East on a random line bet secs. 25 and 36

40.00 Set a temp 1/4 sec. cor.

80.00 Intersect E bdy of Tp. at cor of secs. 25, 30, 31, and 36. heretofore described
Thence I run
West on a true line bet secs. 25 and 36.
Over level land.

31.50 Road from Terrace to Grantsville tens S70°E and N70°W

Subdivision of T6N., R13W

40.00	Set a quartzite stone 5x7x16 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 m S face dig pits 18x18x12 ins E and W of stone 3 ft dist.: and raise a mound of earth 3½ ft. base 1½ ft. Light N of cor.
80.00	The cor of secs. 25, 26, 35 and 36 Land level Soil alkali 4th rate No timber
	N 0°01 W bet secs 25 and 26 Cor level land
39.75	Road from Terrace to Grantsville bears S 70° E and N 70° W
40.00	Set a quartzite stone 6x8x16 ins 11 ins in the ground for 1/4 sec cor marked 1/4 on W face: dig pits 18x18x12 ins N and S of stone 3 ft dist.: and raise a mound of earth 3½ ft. base 1½ ft Light W of cor.
71.50	Slight ascent to top of low flat bench
80.00	Set a granite stone 5x20x15 ins 10 ins in the ground for cor of secs 23, 24, 25 and 26 marked 2 notches on S and 1 notch on E edge dig pits 18x18x12 ins in each sec. 5½ ft. dist.: and raise a mound of earth 4 ft base 2 ft. Light W of cor. Land level Soil alkali 4th rate No timber
	East on a random line bet secs. 24 and 25 Cor level land.
40.00	Set a temp 1/4 sec cor.
79.94	Intersect N and S line 3 lks S of cor of secs. 19, 24, 25 and 30 Land as described

Subdivision of T6N., R13W

Chains	
	Thence Turn
	S 89°58' W on a true line bet secs. 24 and 25
	Over level land
39.97	Set a granite stone 5x9x13 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face dig pits 18x18x12 ins E and W of stone 3 ft. dist. and raise a mound of earth 3½ ft base 1½ ft high N of cor.
79.94	The cor of secs. 23, 24, 25, and 26
	Land level
	Soil alkali 4th rate
	No timber
	N 0°01' W bet. secs. 23 and 24
	Over level land
36.00	Enter white sage & shad scale brush
40.00	Set a porphyry stone 3x10x20 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on W face dig pits 18x18x12 ins N and S of stone 3 ft. dist. and raise a mound of earth 3½ ft base 1½ ft high W of cor.
80.00	Set a porphyry stone 5x9x16 ins 11 ins in the ground for cor of secs. 13, 14, 23, and 24 marked 3 notches on S and 1 notch on E edge dig pits 18x18x12 ins in each sec. 5½ ft. dist. and raise a mound of earth 4 ft base 2 ft high W of cor.
	Land level
	Soil alkali 4th rate
	No timber
	Scattering sage & shadscale brush on 44 chs.
	N 89°58' E on a random line bet secs. 13 and 24
40.00	Set a temp 1/4 sec cor.
79.88	Intersect E bdy of ab cor of secs. 13, 18, 19 and 24. Leave to fore described

Subdivision of T6N., R13W

Chains	
	Thence I run
	S89°58'W on a true line bet secs. 13 and 24
	Over level land
39.94	Set a porphyry stone 7x8x15 ins. 10 ins in the ground for 1/4 sec cor marked 1/4 on N face: dig pits 18x18x12 ins E and W of stone 3 ft. dist.: and raise a mound of earth 3 1/2 ft base 1 1/2 ft. high N of cor.
65.00	Enter shadscale and white sage brush
79.88	The cor of secs. 13, 14, 23, and 24
	Land level
	Soil alkali 4th rate
	No timber
	Scattering shad scale and white sage undergroth 14.88 chs

June 9. At the cor of secs 13, 14, 23, and 24 I set off 22°54' N on the decl. arc and at 12h 00m l.m.t., observe the sun on the meridian; the resulting lat. is 41°15' which is about the the proper lat.

N 0°01' W bet secs 13 and 14

Over level land through shad scale and white sage

40.00	Set a granite stone 5x9x16 ins 11 ins in the ground for 1/4 sec cor. marked 1/4 on W face: dig pits 18x18x12 ins. N and S of stone 3 ft. dist.: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.
80.00	Set a quartzite stone 6x8x16 ins 11 ins in the ground for cor of secs. 11, 12, 13, and 14 marked 4 notches on S and 1 notch on E edge: dig pits 18x18x12 ins in each sec. 5 1/2 ft. dist: and raise a mound of earth 4 ft base 2 ft high W of cor.
	Land level
	Soil alkali 4th rate
	No timber
	Scattering shad scale and white sage undergroth 80.00 chs

Subdivision of T6N., R13W

Chains.	
	N 89°58' E on a random line bet. secs. 12 and 13
40.00	Set a temp 1/4 sec cor.
79.86	Intersect E bdy of Tp. 4 lks S of cor of secs 7, 12, 13 and 18. Here to fore described Thence Trun
	S 89°56' W on a true line bet secs. 12 and 13
	Over level land
39.93	Set a quartzite stone 6x8x14 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on N face dig pits 18x18x12 ins E and W of stone 3 ft dist: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft.
60.00	high N of cor.
	Enter shadscale and white sage brush
79.86	The cor of secs 11, 12, 13, and 14
	Land level
	Soil alkali 4th rate
	No timber
	Scattering shad scale and white sage undergroth 1986 chs

	N 0°01' W bet secs 11 and 12
	Over level land through shad scale & white sage
40.00	Set a granite stone 5x8x16 ins 11 ins in the ground for 1/4 sec cor. marked 1/4 on W. face: dig pits 18x18x12 ins N and S of stone 3 ft. dist: and raise a mound of earth 3 1/2 ft base 1 1/2 ft high W of cor.
43.00	Leave shad scale and White sage brush
80.00	Set a granite stone 6x7x16 ins 11 ins in the ground for cor of secs. 1, 2, 11, and 12 marked 5 notches on S and 1 notch on E edge dig pits 18x18x12 ins in each sec 5 1/2 ft. dist: and raise a mound of stone 4 ft. base 2 ft. high W of cor.
	Land level
	Soil alkali 4th rate
	No timber
	Scattering shadscale and white sage brush 43.00 chs.

Subdivision of T6N., R13W

Chains	
	N 89°56' E on a random line bet secs. 1 and 12
40.00	Set a temp 1/4 sec. cor.
79.92	Intersect E bdy of Tp. at cor of secs. 1, 6, 7, and 12. Due to for described.
	Thence Down
	S 89°56' W on a true line bet secs. 1 and 12
	Over level land
39.96	Set a granite stone 7 x 8 x 15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: dig pits 18 x 18 x 12 ins. E and W of stone 3 ft. dist: and raise a mound of earth 3 1/2 ft base 1 1/2 ft high N of cor.
79.92	The cor of secs. 1, 2, 11 and 12
	Land level
	Soil alkali 4th rate
	No timber.

	N 0°01' W on a random line bet secs. 1 and 2.
40.00	Set a temp 1/4 sec cor.
88.74	Intersect N bdy of Tp. at 17 lks W of cor of secs 1, and 2. Due to for described.
	Thence Down
	S 0°06' E on a true line bet secs 1 and 2
	Over level land.
48.74	Set a granite stone 5 x 7 x 16 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: dig pits 18 x 18 x 12 ins N and S of stone 3 ft. dist: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft high W of cor.
88.74	The cor of secs. 1, 2, 11, and 12
	Land level
	Soil alkali 4th rate
	No timber

June 9 - 1903

Subdivision of T 6 N., R 13 W

Chains	
	June 10: 1903. At 8h 10m a.m. l mt. I set off 41° 12' N on the lat. arc 22° 58' N on the decl arc. and at the cor of secs 2, 3, 34, and 35 on S. bdy. of Tp. heretofore described and determine with the solar a true meridian Thence I run N 0° 02' W bet secs, 34 and 35 Over level land
40.00	Set a porphyry stone 8x10x20 ins 15 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: dig pits 18x18x12 ins N and S of stone 3 ft dist: and raise a mound of earth 3 1/2 ft base 1 1/2 ft. high W of cor.
80.00	Set a granite stone 8x8x16 ins 11 ins in the ground for cor of secs 26, 27, 34 and 35 marked 1 notch on S and 2 notches on E edge: dig pits 18x18x12 ins in each sec. 5 1/2 ft dist: and raise a mound of earth 4 ft. base 2 ft high W of cor. Land level Soil alkali 4th rate No timber
	East on a random line bet secs 26 and 35
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N and S line at cor of secs 25, 26, 35, and 36. Thence I run West on a true line bet secs. 26 and 35 Over level land
40.00	Set a porphyry stone 9x10x14 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: dig pits 18x18x12 ins S and W of stone 3 ft. dist: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft high N of cor.
80.00	The cor. of secs 26, 27, 34 and 35 Land level Soil alkali 4th rate

Subdivision of T 6N., R 13W

Chains.	No timber
	No 02 W: bet. secs. 26 and 27
	Over level land
40.00	Set a porphyry stone 9x10x18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face: dig pits 18x18x12 ins N and S of stone 3 ft. dist.: and raise a mound of earth 3½ ft. base 1½ ft. high W of cor.
80.00	Set a granite stone 8x10x20 ins 15 ins in the ground for cor of secs. 22, 23, 26, and 27 marked 2 notches on S and E edges. dig pits 18x18x12 ins in each sec. 5½ ft. dist.: and raise a mound of earth 4 ft. base 2 ft. high W of cor.
	Land level
	Soil alkali 4th rate
	No timber
	East on a random line bet secs 23 and 26
40.00	Set a temp. 1/4 sec cor.
80.00	Intersect N and S line at cor. of secs. 23, 24 25 and 26.
	Thence Trun
	West on a true line bet secs. 23 and 26
	Over level land
40.00	Set a porphyry stone 4x9x15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face dig pits 18x18x12 ins E and W of stone 3 ft. dist.: and raise a mound of earth 3½ ft. base 1½ ft. high N of cor.
65.00	Road from Lennox to Grantsville bears NW and SE
80.00	The cor of secs. 22, 23, 26, and 27
	Land level
	Soil alkali 4th rate
	No timber

Subdivision of T6N., R13W

Chains.	
	N 0°02' W. bet secs 22 and 23
	Over level land
10.50	Road from Terrace to Grantsville bears N.W. and S.E.
40.00	Set a granite stone 4x12x20 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on W face dig pits 18x18x12 ins N and S of stone 3 ft. dist: and raise a mound of earth 3½ ft. base 1½ ft. high W of cor
42.00	Enter White sage and shad scale brush.
81.00	Set a granite stone 4x10x18 ins 12 ins in the ground for cor of secs. 14, 15, 22, and 23 marked 3 notches on S and 2 notches on Edge dig pits 18x18x12 ins in each sec 5½ ft dist. and raise a mound of earth 4 ft. base 2 ft. high W of cor.
	Level land
	Soil alkali 4th rate
	No timber
	Scattering white sage and shad scale undergrowth 38.00 chs

East on a random line bet secs. 14 & 23

40.00	Set a temp 1/4 sec cor.
80.15	Intersect N and S line at 7 lks W of cor of secs. 13, 14, 23, and 24.
	Thence N on a true line bet. secs. 14 and 23
	N 89°57' W.
	Over level land through shad scale and white sage brush
40.07	Set a granite stone 9x12x18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on N face dig pits 18x18x12 ins E and W of stone 3 ft. dist: and raise a mound of earth 3½ ft. base 1½ ft. high N of cor.
80.15	The cor of secs 14, 15, 22, and 23.
	Level land
	Soil alkali 4th rate
	No timber
	Scattering shad scale and white sage undergrowth 80.15 chs.

Subdivision T6N., R13W

Chs.	
	N 0°02'W bet secs 14 and 15
20.00	Over level land through shad scale and white sage
40.00	Leave brush Set a granite stone 6x8x13 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face dig pits 18x18x12 ins N and S of stone 3 ft dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.
80.00	Set a porphyry stone stone 6x10x14 ins 10 ins in the ground for cor of secs. 10, 11, 14 and 15, marked 4 notches on S and 2 notches on E edge dig pits 18x18x12 ins in each sec 5 1/2 ft dist.: and raise a mound of earth 4 ft base 2 ft high W of cor
	Land level
	Soil alkali 4th rate
	No timber
	Scattering shad scale and white sage undergroth 20.00 chs.
	S 89°57'E on a random line bet sec 11 and 14
40.00	Set a temp. 1/4 sec. cor.
80.04	Intersect N and S line 2 lks S of cor of secs 11, 12, 13, and 14.
	Thence Trun
	N 89°57'W on a true line bet. secs. 11 and 14
20.00	Over level land through shad scale and white sage brush
40.02	Leave shad scale and white sage Set a porphyry stone 5x7x15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face dig pits 18x18x12 ins E and W of stone 3 ft dist.: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft high W of cor.
80.04	The cor of secs. 10, 11, 14, and 15
	Land level
	Soil alkali 4th rate
	No timber shad scale + white sage undergroth 20.00 chs
	June 10 1903. At this cor I set off 22°59'N on the decl. arce and observe the sun on the meridian the resulting lat is 41°16'

Subdivision of T 6 N., R 13 W

	N 0°02' W bet secs. 10 and 11.
	Cor in level land
40.00	Set a granite stone 6 x 8 x 17 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 cor W face dig pits 18 x 18 x 12 ins N and S of stone 8 ft. dist: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft high W of cor
80.00	Set a granite stone 8 x 8 x 20 ins 15 ins in the ground for cor of secs 2, 3, 10 and 11 marked 5 notches on S and 2 notches on E edge.: dig pits 18 x 18 x 12 ins in each sec 5 1/2 ft dist.: and raise a mound of earth 4 ft. base 2 ft high W of cor.
	Land level
	Soil alkali & slate.
	No timber
	S 89° 58' E on a random line bet secs. 2 & 11
40.00	Set a temp 1/4 sec. cor.
80.10	Intersect said S. line 2 lks N cor of secs. 1, 2, 11 and 12
	Thence N
	N 89° 57' W on a true line bet secs 2 & 11
	Cor in level land
40.05	Set a granite stone 6 x 8 x 14 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N face dig pits 18 x 18 x 12 ins E and W of stone 3 ft. dist.: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N of cor.
80.10	The cor of secs. 2, 3, 10 and 11
	Land level
	Soil alkali & slate
	No timber

Subdivision of T6N., R13W

Chains.	
	N 0°02' W on a random line bet. secs. 2 and 3
40.00	Set a temp 1/4 sec. cor.
88.70	Intersect N bdy of Tp. 6 lks E of cor of secs 2. and 3. heretofore described
	Thence I run
	S 0°04' E on a true line bet. secs 2 and 3
48.70	Set a granite stone 6 x 7 x 15 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on W face dig pits 18 x 18 x 12 ins N and S of stone 3 ft. dist.: and raise a mound of earth 3½ ft base 1½ ft. high W of cor.
88.70	The cor. of secs 2, 3, 10 and 11
	Land level
	Soil alkali 4th rate
	No timber
	June 10, 1903

June 11, 1903. at 8h 15m a.m. l.m.A. I set off 41°12' on the lat. arc. 23°03' N on the decl. arc and determine a meridian with the solar at the cor of secs 3, 4, 33, + 34 on S bdy of Tp. heretofore described.

	N 0°02' W bet secs. 33 and 34
	Over mountainous land
	Ascend gently
12.00	Abrupt ascent
22.00	Top of spur projects N 80° E descend abruptly
30.00	Foot of abrupt descent descend
40.00	Set a porphyry stone 4 x 10 x 16 ins 11 ins in the ground for 1/4 sec. cor marked 1/4 on W face and raise a mound of stone 2 ft base 1½ ft high W of cor. pits impracticable
50.00	Bottom of draw drains N 80° E ascend
60.00	Abrupt ascent
68.00	Top of spur projects E. descend abruptly
72.00	Foot of abrupt descent descend gently
80.00	Set a porphyry stone 5 x 7 x 15 ins 10 ins in the ground for cor of secs. 27, 28, 33, and 34

Subdivision of T6N., R13W

Chains.	
	marked 1 notch on S and 3 notches on E edge. and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable. Land mountainous. Soil rocky 4th rate No timber
	East on a random line bet. secs 27 and 34
40.00	Set a temp 1/4 sec. cor.
79.96	Intersect N and S line at cor of secs 26, 27, 34 and 35
	Thence Iron
	West on a true line bet secs 27 and 34
	Over gently ascending land.
39.98	Set a porphyry stone 7x9x20 ins 15 ins in the ground for 1/4 sec cor. marked 1/4 on N face: dig pits 18x18x12 ins E and W of stone 3 ft. dist: and raise a mound of earth 3½ ft. base 1½ ft. high N of cor.
75.00	Road bears N & S from Ionian to Grantsville
79.96	The cor of secs 27, 28, 33 and 34
	Land gently ascending
	Soil rocky and alkali 4th rate
	No timber
	N 0° 02' W bet secs 27 and 28
	Over level land
40.00	Set a granite stone 6x8x18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face dig pits 18x18x12 ins N and S of stone 3 ft dist.: and raise a mound of earth 3½ ft base 1½ ft high W of cor.
80.00	Set a granite stone 7x10x20 ins 15 ins in the ground for cor of secs 21, 22, 27, and 28 marked 2 notches on S and 3 notches on E edge: and raise a mound of stone 2

Subdivision of T 6 N., R 13 W

Chains	ft. base 1½ ft high W of cor. Pits impracticable Land gently rolling Soil rock and alkali 4th rate No timber
	East on a random line bet secs. 22 & 27
40.00	Set a temp 1/4 sec. cor.
80.00	Intersect N and S line of cor of secs 22, 23, 26, and 27. Thence Trun West on a true line bet. secs. 22 & 27 Over level land
40.00	Set a porphyry stone 5 x 7 x 15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face. and dig pits 18 x 18 x 12 ins E and W of stone 3 ft dist and raise a mound of earth 3½ ft base 1½ ft high N of cor.
65.00	Road from Tenace to Grantsville bears N and S
80.00	The cor of secs 21, 22, 27, and 28 Land level Soil alkali 4th rate No timber
	N 0°02' W bet. secs. 21 and 22
30.00	Over level land through dense shad scale Leave brush
40.00	Set a quartzite stone 6 x 10 x 18 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: and raise a mound of stone 2 ft base 1½ ft high W of cor pits Impracticable
70.75	Road from Tenace to Grantsville bears NW & SE
80.00	Set a granite stone 10 x 12 x 30 ins 22 ins in the ground for cor of secs. 15, 16, 21 and 22 marked 6 N on N and 13 W on SE face with 3 notches on S and E edges.

30/30

Subdivision of T6N., R13W

Stains.	dond raise a mound of stone 2 ft base 1½ ft high W of cor. Land level or gently roling Soil rocky or alkali 4th rate. No timber Dense shad scale undergroth 30.00 chs.
	East on a random line bet secs 15 and 22.
40.00	Set a temp ¼ sec. cor.
79.86	Intersect N and S line 15 lks N of cor of secs 14, 15, 22, and 23
	Thence I run
	N 89°54' W. on a true line bet secs 15 and 22
	Over level land through shad scale brush
10.00	Leave shad scale brush
39.93	Set a granite stone 5x10x16 ins 11 ins in the ground for ¼ sec. cor. marked ¼ on N face: dig pits 18x18x12 ins E and W of stone 3 ft dist: and raise a mound of earth 3½ ft base 1½ ft high N of cor.
79.86	The cor of secs. 15, 16, 21 and 22.
	Land level
	Soil alkali 4th rate
	No timber. Scattering shad scale undergroth 10.00 chs.
	June 11, at this cor I set off 23°03' N on the decl arc and at 12h00m l.m.t. observe the sun on the meridian the result lat is 41°15' ✓
	N 0°02' W bet. secs. 15 and 16
	Over gentle ascending land
40.00	Set a quartzite stone 6x10x14 ins 10 ins in the ground for ¼ sec cor marked ¼ on W face: and raise a mound of stone 2 ft. base 1½ ft high W of cor. Pits impracticable.
80.00	Set a granite stone 6x8x18 ins 12 ins in the ground for cor of secs. 9, 10, 15, and 16. marked 4 notches on S and 3 notches on E edge: and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits

Subdivision of T 6 N., R 13 W

	impracticable Land gently rolling, Soil alkali 4th rate No timber
	So 89° 57' E on a random line bet secs. 10 and 15
40.00	Set a stone for 1/4 sec. cor
79.90	Intersect N and S line at cor of secs 10, 11, 14, and 15
	Thence Chain N 89° 57' W on a true line bet. secs. 10 and 15 Over level land
39.95	Set a granite stone 4 x 8 x 16 ins 1.1. ins in the ground for 1/4 sec cor marked 1/4 on N face dig pits 18 x 18 x 12 ins E and W of stone 3 ft dist: and raise a mound of earth 3 1/2 ft base 1 1/2 ft high W of cor.
79.90	W cor of secs. 9, 10, 15 and 16 Land level Soil alkali 4th rate No timber
	N 0° 02' W bet. secs. 9 and 10 Over rolling land
40.00	Set a granite stone 5 x 8 x 14 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: dig pits. 18 x 18 x 12 ins N and S of stone 3 ft. dist: and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.
56.50	Begin abrupt ascent
80.00	Top of abrupt ascent
23.50 56.50	Set a porphyry stone 6 x 8 x 16 ins 1.1. ins in the ground for cor secs. 3, 4, 9, and 10 marked 5 notches on S and 3 notches on E face dig and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits impracticable

Subdivision of T6N., R13W

Chains	
	Land rolling and mountainous Soil rocky 4th rate No timber Mountainous land on 23.50 chs.
	S 89°54'E on a random line bet secs. 3 and 10
40.00	Set a Temp. 1/4 sec cor.
80.00	Intersect N and S line at cor of secs 2, 3, 10, and 11.
	Thence I run
	N 89°54'W on a true line bet secs 3 and 10
	Over ascending land
9.00	Top of Bench
40.00	Set a granite stone 5x10x12 ins 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N face dig pits 18x18x12 ins S and W of stone 3 ft dist. and raise a mound of earth 3 1/2 ft base 1 1/2 ft high N of cor.
58.50	Begin abrupt ascent
80.00	Top of abrupt ascent
	The cor of secs. 3, 4, 9, and 10
21.50	Land rolling and mountainous
58.50	Soil alkali 4th rate
	No timber
	Mountainous on 21.50 chs.
	N 0°02'W on a random line bet. secs. 3 and 4
40.00	Set a temp 1/4 sec. cor.
88.76	Intersect N bdy of Tp. elks E of sec's. 3 and 4. heretofore described
	Thence I run
	S 0°04'E on a true line bet secs 3 and 4.
	Over mountainous and level land
44.26	Abrup. ascent
48.76	Set a quartzite stone 5x10x15 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on W face and raise a mound of stone 2 ft.

Subdivision of T6N. R13W

Chains	
	base 1/2 ft high W of cor. Pits impracticable
88.76	The cor of secs 3, 4, 9, and 10
	Land mountainous & level
41.26	Soil alkali and rocky 4th rate
41.30	No timber
	June 11, 1903.
	Mountainous land 44.26 chs.

June 12: At 8h 00m a.m. l.m.t. I set off 41°12' on the lat. arc. 23°07' N on the decl. arc and determine a meridian with the solar at the cor of secs 4, 5, 32, and 33 on S bdy of Tp. hereto fore described

Thence I run

N 0°03' W bet. secs 32 and 33

Over mountainous land.

Descend.

5.00	Enter canyon
20.00	Bottom of wide canyon drains S.E. ascend
36.53	Point of spur projects S.W. descend
40.00	Set a porphyry stone 6x8x18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face. and raise a mound of earth 2 ft. base 1 1/2 ft high W of cor. Pits impracticable
62.10	Bottom of draw drains S W and S ascend abruptly
80.00	Set a porphyry stone 4x10x15 ins 10 ins in the ground for cor of secs. 28, 29, 32, and 33. marked 1 notch on S and 4 notches on E edge: and raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. Pits impracticable
	Land Mountainous
	Soil rocky 4th rate
	Scattering Cedars.
	Mountainous land 80.00 chs.

Subdivision of T6N., R13W

Chains	
	East on a random line bet secs. 28 & 33
	Over mountainous land.
40.00	Set a temp 1/4 sec cor.
79.96	Intersect N and S line at cor of secs 27, 28, 33 and 34
	Thence I run
	West on a true line bet secs 28 and 33.
	Over mountainous land.
36.75	Top of spur projects N. descend
39.98	Set a lime stone 8 x 12 x 24 ins 18 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: and raise a mound of stone 2 ft base 1½ ft. high N of cor. Pits impracticable
42.00	Bottom of draw drains N ascend.
75.00	Top of spur projects S.E. descend
79.96	The cor of secs. 28, 29, 32 and 33
	Land mountainous
	Soil rocky 4th rate
	Scattering cedars.
	Mountainous land 79.96 chs.

	N 0°03' W on a true line bet secs. 28 and 29
	Over mountainous land. ascend.
3.53	Top of spur projects S.E. descend
16.00	Bottom of draw drains N.E. ascend abruptly
40.00	Set a lime stone 3 x 10 x 18 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: and raise a mound of stone 2 ft base 1½ ft. high W of cor.
43.25	Top of spur projects East. descend abruptly
51.45	Bottom of draw drains S.E. ascend abruptly
80.00	Set a quartzite stone 10 x 12 x 18 ins 12 ins in the ground for cor of secs. 20, 21, 28 and 29. marked 2 notches on S and 4 notches on E edge: and raise a mound of stone 2 ft. base 1½ ft. high W of cor.
	Land mountainous
	Soil rocky 4th rate

Subdivision of T 6 N., R 13 W

Chains.	
	No timber Mountainous land 80.00 chs.
	East on a random line bet. secs. 21 and 28
40.00	Set a temp. 1/4 sec. cor.
79.88	Intersect N and S line 6 lks N of cor of secs. 21, 22, 27, and 28
	Hence True
	N 89°57' W on a true line bet. secs. 21 and 28
	Over level land.
28.00	Begin ascent of mountains
39.94	Top of spur projects N.E. descend along S slope of spur.
	Set a porphyry stone 6 x 7 x 15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N face and raise a mound of stone 2 ft. base 1 1/2 ft. high N of cor. Pits impracticable
62.00	Begin ascent along S slope of spur.
79.88	The cor of secs. 20, 21, 28 and 29
	Land mountainous
	Soil alkali 4th rate
	Scattering cedars
	Mountainous land 51.88 chs.
	N 0°03' W. bet secs 20 and 21
	Over mountainous land
	Ascend.
1.00	Top of spur projects E descend
4.00	Begin abrupt descent
9.00	Bottom of draw drains N.E. A seep in this draw about 20 chs N.E. ascend
21.00	Top of spur projects E. descend
25.00	Draw drains N.E., thence along along end of spur.
35.00	Bottom of draw drains E a small seep on line ascend
40.00	Set a porphyry stone 5 x 7 x 15 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on W face and raise a mound of stone 2 ft. base.

Subdivision of T 6 N., R 13 W

Chs.	
	1/2 ft high W of cor. Pits impracticable
45.00	Point of spur projects E.
51.00	Begin descent
58.00	Bottom of small dry wash drains E. ascend
72.00	Top of spur projects N.E. descend
80.00	Set a porphyry stone 6x10x16 ins 11 ins in the ground for cor of secs. 16, 17, 20, and 21. Marked 3 notches on S and 4 notches on E. edges and raise a mound of stone 2 ft base 1/2 ft. high W of cor. Pits impracticable
	Land mountainous
	Soil rocky & slate
	Scattering cedars
	Mountainous land 80.00 chs.
	June 12 At this cor I set off 23°07' E on the decl. arc and observe the sun on the meridian the resulting lat. is 41°15'

	S 89°37' E on a random line bet secs 16 & 21
40.00	Set temp. 1/4 sec cor.
79.76	Intersect N and S line 21 chs N of cor of secs 15, 16, 21 and 22.
	Thence I run
	N 89°45' W on true line bet secs 16 and 21
	Through grease-wood brush
10.00	Road from Terrace to Grantsville bears N W and S E
26.75	Leave level land and grease-wood brush ascend.
39.88	Set a quartzite stone 6x12x16 ins 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N face: dig pits 18x18x12 ins S and W of stone 3 ft. dist and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W of cor.
40.75	Top of spur projects S.E. Descend.
43.75	Bottom of draw drains S.E. Ascend.
44.25	Enter scrub cedar
72.25	Top of spur projects N.E. descend gently.

Subdivision of T 6 N - R 13 W

chs.	
79.76	The ex of secs. 16, 17, 20 and 21 Land level and mountainous. Soil alkali & rocky 4th rate Grease-wood brush 26.75 chs Timber scrub cedar 35.57 chs. Mountainous land 53.01 chs
	N 0°03' W bet secs 16 and 17. Through scattering scrub cedars descend gently
5.00	Leave sent. scrub cedars.
40.00	Set a granite stone 4 x 8 x 17 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: dig pits 18 x 18 x 12 ins. N and S of stone 3 ft dist. and raise a mound of earth 3 ft base 1 1/2 ft. high W of cor. On spur projects SW.
54.25	Road from Terrace to Grantsville bears E and W
80.00	Set a porphyry stone 6 x 8 x 16 ins: 11 ins in the ground for cor. of secs. 8, 9, 16 and 17 marked with 4 notches on S and 4 notches on E edge; and raise a mound of stone 2 ft base, 1 1/2 ft high W of cor. Pits impracticable Land rolling Soil rocky 4th rate Timber scrub cedars 5 chs.
	S 89°48' E on a random line bet secs 9 and 16
40.00	Set temp. 1/4 sec. cor.
79.72	Intersect N and S Line 46 lks S of cor of secs 9, 10, 15 and 16. Thence I mm S 89°52' W on a true line bet secs 9 and 16. Over rolling land.
39.86	Set a porphyry stone 4 x 10 x 16 ins: 11 ins in the ground for 1/4 sec. cor. marked. 1/4 on N face; and raise a mound of stone 2 ft. base 1 1/2

Subdivision of T 6 N., R 13 W

Chs.	Ft. high N of cor. Pits impracticable
11.00	Top of spur projects N
79.72	The cor of secs 8. 9, 16 and 17
	Land rolling
	Soil alkali & slate
	No timber
	N 0°03' W bet secs 8 and 9.
	Over mountainous land Descend
2.00	Drow drains N.W. Ascend
22.00	Spur projects W Descend
32.00	Foot of descent.
40.00	Set a quartzite stone 6 x 8 x 14 ins; 10 ins in the ground for 1/4 sec cor marked 1/4 on W face: dig pits 18 x 18 x 12 ins N and S of stone 3 ft. dist: and raise a mound of earth 3½ ft base 1½ ft high W of cor.
55.00	Enter thick grease-wood bush
80.00	Set a porphyry stone 6 x 8 x 18 ins 12 ins in the ground for cor of secs 4, 5, 8 and 9 marked with 5 notches on S and 4 notches on E edge. dig pits 18 x 18 x 12 ins in each sec 5½ ft dist. and raise a mound of earth 4 ft base 2 ft. high W of cor.
37 / 48	Land mountainous and rolling
	Soil rocky & slate
	No timber
	Grease wood bush 25.00 chs
	Mountainous land 32.00 chs.
	N 89°52' E on a random line bet. secs 4 and 9.
40.00	Set temp 1/4 sec cor.
79.85	Intersect N and S line 9 lks N of cor of secs 3, 4, 9 and 10
	Thence 9 nun

Subdivision of T 6 N. R 13 W

Chs.	
	S 89°56' W on a true line bet secs 4 and 9
	Over mountainous land
	Descend abruptly
4.50	Foot of abrupt descent.
31.60	Enter flat.
39.92	Set a porphyry stone 5 x 7 x 15 ins 10 ins in the ground for 1/4 sec cor. marked 1/4 on N face: dig pits 18 x 18 x 12 ins E and W of stone 3 ft dist and raise a mound of earth 3½ ft. base 1½ ft high N of cor.
73.00	Enter greasewood brush
79.85	The cor of secs 4, 5, 8 and 9.
	Land mountainous and level
	Soil alkali 4th rate
31.50	No timber
15	Greasewood brush 36.85 chs.
	Mountainous land 31.50 chs.

N 0°03' W on a random line bet secs 4 and 5

40.00	Set a temp 1/4 sec cor.
88.48	Intersect N bdy of Tp. 36 lks E of cor of secs 4 and 5. Land to be described.
	Thence I run
	S 0°17' E on a true line bet secs 4 and 5
	Over level land.
48.48	Set a quartzite stone 5 x 6 x 18 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W face: dig pits 18 x 18 x 12 ins N and S of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W of cor.
70.00	Enter grease wood brush
88.48	The cor of secs 4, 5, 8 and 9
	Land level
	Soil alkali 4th rate
	No timber
	Greasewood brush on 1848 chs

June 12 1903

Subdivision of 6N-R13W

chs.	June 13 at 8h 00m am l mt I set off 23°11' N on the decl arc and 41°12' on the lat arc and determine a meridian with the solar at the cor of sec's 5, 6, 31 and 32 on S bdy of Tp. heretofore described
	Thence I run
	N 0°04' W bet secs 31 and 32.
	Over rough mountainous land
3.82	Spur projects S 65° E descend
13.00	Head of gulch drains S.E.
	Ascend abruptly.
21.48	Top of spur projects S.E. Descend over rough N slope of ledges.
29.50	Bottom of gulch ascend abruptly over ledges. Spring 19 chs E of line.
37.70	Top of spur projects E.
40.00	Set a quartzite stone 6x8x18 ins 12 ins in the ground for 1/4 sec cor. marked 1/4 on W face and raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor Pits impracticable
	Spring bears N 85° W 53.00 chs.
42.00	Bottom of gulch drains S.E. ascend abruptly
47.75	Top of spur projects E Descend
80.00	Head of gulch drains S.E.
	Set a quartzite stone 5x8x18 ins 12 ins in the ground for cor of sec's. 29, 30, 31 and 32 marked with 1 notch on S and 5 notches on E edge and raise a mound of stone 2 ft. base 1 1/2 ft. high W of cor. From this cor small spring bears S.E. 21.50 chs.
	Land mountainous
	Soil rocky 4th rate
	No timber
	Mountainous land 80.00 chs.
	East on a random line bet. sec's 29 and 32.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N and S line at the cor of sec's 28, 29, 32 and 33

Subdivision of T 6 S., R 13 W

Chs.	
	Thence I run
	West on a true line bet secs 29 and 32
	Over rough mountainous land.
	Ascend abruptly through scrub cedars
17.25	Top of spur projects S. descend abruptly.
40.00	Set a porphyry stone 6 x 8 x 18 ins 12 ins in the ground for ¼ sec cor marked ¼ on N face and raise a mound of stone 2 ft base 1½ ft high 8 cor.
	Bottom of gulch drains S & and S ascend abruptly.
50.00	Top of spur projects S & descend
59.75	Gulch drains S 10° E ascend abruptly.
70.00	Top of spur projects S.E. descend abruptly
78.00	Gulch drains S & ascend
80.00	The cor of secs. 29, 30, 31, and 32
	Land mountainous
	Soil rocky 4th rate
	Timber scrub cedars 80.00 chs
	Mountainous land 80.00 chs.

	West on a random line bet secs 30 and 31
40.00	Set Temp ¼ sec. cor.
92.75	Intersect W bdy of Tp. 5 lks S of cor of secs. 25, 30, 31, and 36. Section corner described.
	Thence I run
	S 89° 58' E on a true line bet secs. 30 and 31
	Over mountainous land descending.
4.00	Bottom of gulch drains NW. ascend.
35.00	Top of spur projects N.W. Descend
46.00	Bottom of gulch drains NW ascend abruptly
52.75	Set a quartzite stone 6 x 12 x 20 ins 15 ins in the ground for ¼ sec cor marked ¼ on N face and raise a mound of stone 2 ft base 1½ ft. High 8 cor. Pits impracticable to ascend.
88.20	Top of main ridge Newfoundland mountains N and S. Descend

Subdivision of T 6 N. R 13 W

Chs.	
92.75	The exterior of secs. 29, 30, 31 and 32 Land mountainous Soil rocky 4th rate No timber Mountainous land 92.75 chs.
	N 0° 04' W bet. secs 29 and 30 Over mountainous land. ascend abruptly
5.82	Top of spur projects S.E. ascend.
14.30	Top of main ridge Newfoundland Mts bears N.E. and S.W descend.
20.00	Head of gulch drains westerly ascend abruptly
35.00	Top of main ridge Newfoundland mountains bears N 5° W and S 5° E.
38.50	Top of spur near junction projects N.E. descend.
40.00	Set a porphyry stone 6 x 12 x 18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face: and raise a mound of stone 2 ft base 1 1/2 ft. high W of cor.
45.00	Head of gulch drains northerly
80.00	Set a porphyry stone 6 x 10 x 16 ins 11 ins in the ground for cor of secs 19, 20, 29 and 30 marked with 2 notches on S and 5 notches on E. edge: and raise a mound of stone 2 ft. base. 1 1/2 ft high W of cor. On W side of gulch drains northerly Land mountainous Soil rocky 4th rate No timber Mountainous land 80.00 chs.
	East on a random line bet. secs. 20 & 29
40.00	Set temp 1/4 sec cor.

Subdivision of T 6 N. R 13 W

Chs.	
80.00	Intersect N and S line 21 chs N of cor of secs. 20, 21, 28, and 29.
	Thence 2 mun.
	N 89° 57' W on a true line bet. secs 20 and 29
	Over mountainous land ascend.
15.00	Top of spur projects N 75° E descend.
20.00	Head of gulch drains N.E. ascend abruptly.
30.00	Top of spur projects N.E. descend
40.00	Set a porphyry stone 3 x 12 x 18 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 cor N Sec.; and raise a mound of stone 2 ft. base 1 1/2 ft high N of cor.
48.00	Head of gulch drains N.E.
60.00	Top of spur projects northeasterly Descend.
79.25	Gulch drains northwesterly
80.00	The cor of secs 19, 20, 29 and 30 Land mountainous. Soil rocky & slate No timber Mountainous land 80.00 chs.

	N 89° 58' W on a random line bet secs 19 and 30.
40.10	Set a temp 1/4 sec cor
92.80	Intersect W bdy of Tp. 2 chs S of cor of secs 19, 24, 25, and 30 heretofore described.
	Thence 2 mun.
	S 89° 57' E on a true line bet secs. 19 & 30
	Over mountainous land.
	Ascend abruptly over ledges.
2.00	Top of ledges thence along spur ascend
45.00	Top of main ridge New Foundland Mt. Bears northerly and southeasterly descend.
52.80	Set a porphyry stone 6 x 8 x 18 ins 12 ins in the ground for 1/4 sec. cor marked 1/4 cor N Sec.: and raise a mound of stone 2 ft. base 1 1/2 ft high N of cor Pits unpunctuated

Subdivision of T 6 N - R 13 W

chs.	
57.40	Bottom of ravine drains north-eastedly ascend.
65.00	Point of spur projects north eastedly descend.
77.30	Bottom of gulch drains northerly ascend.
85.00	Descend.
92.80	The cor of secs 19, 20, 29, and 30. Land mountainous Soil rocky 4th rate No timber Mountainous land 92.80 chs.

N 0° 04' W bet secs 19 and 20
Cor mountainous land descend.

5.00	Bottom of gulch drains N.W. descend
14.90	Descend.
24.00	Gulch drains N.E. ascend
28.00	Descend.
33.90	Gulch drains N.E. junction about 5 chs East. ascend.
40.00	Set a porphyry stone 5 x 8 x 18 ins 12 ins in the ground for 1/4 sec cor marked 1/4 on W face and raise a mound of stone 2 ft. base 1½ ft. high W of cor.
42.00	Top of spur projects N.E. descend.
70.70	Descend abruptly
77.00	Bottom of gulch drains N 60° E ascend.
80.00	Porphyry stone 6 x 12 x 16 ins 11 ins in the ground for cor of secs. 17, 18, 19, and 20 marked: 3 notches on S and 5 notches on E edges and raise a mound of stone 2 ft. base 1½ ft. high W of cor. Land mountainous. Soil rocky 4th rate No timber Mountainous land 80 00 chs. From this cor a spruce bears S 80 W 5 chs.

Subdivision of T 6 N - R 13 W

chs	
	June 13 1903 at this cor I set off 23° 11' N on the decl arc and at 12 h 00 m l m t. observe the sun on the meridian the resulting lat is 41° 15' N
	S 89° 51' E on a random line bet. secs 17 and 20.
40.00	Set temp 1/4 sec cor.
79.88	Intersect N and S line 21 lks S of cor of secs. 16, 17, 20 and 21
	Thence I run
	West on a true line bet secs 17 and 20
	Over Mountainous land. Ascend.
3.00	Top of small spur projects north Descend
25.00	Wash drains N.E. ascend
39.94	Set a porphyry stone 6x6x14 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on on N face and raise a mound of stone 2 ft base 1 1/2 ft high N of cor.
46.10	Spur projects N.E. descend
75.00	Bottom of gulch drains N E ascend
79.88	The cor of secs. 17, 18, 19, & 20
	Land mountainous
	Soil rocky 4th rate
	No timber
	Mountainous land 79.88 chs.
	N 89° 57 W on a random line bet. secs 18 and 19
40.00	Set temp. 1/4 sec. cor.
92.90	Intersect W bdy. Tp. 6 lks S of cor of secs 13, 18, 19, and 24 heretofore described.
	Thence I run
	S 89° 55' E on a true line bet secs 18 & 19
	Ascending along S slope of spur

Subdivision of T. 16 N., R. 13 W.

24.65	Top of main ridge Newfoundland Mountain bears N and S. descend.
51.40	Gulch drains S. 85° E ascend
52.90	Set a porphyry stone 6x8x12 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on N face and raise a mound of stone 2 ft. base 1½ ft. high ~~W~~ cor.
59.00	Point of spur projects S.E. descend.
76.40	Gulch drains S.E. ascend.
81.65	Point of spur projects S descend gently.
92.90	The cor of secs 17, 18, 19, & 20. Land mountainous Soil rocky & the rock Timber Mountainous land 92.90 chs.

N. 0° 05' W for secs 17 and 18.
Ascend through scat. scrub cedars.

24.00	Point of spur projects easterly descend.
30.00	Descend abruptly
37.00	Bottom of wash drains N.E.
38.00	Top of abrupt. ascent. descend gently
40.00	Set a porphyry stone 6x12x24 ins 8 ins in the ground for 1/4 sec cor marked 1/4 on W face and raise a mound of stone 2 ft. base 1½ ft high W of cor.
65.60	Wash drains N.E.
70.30	Mormon Jack spring bears W 20 lks.
76.00	Ascend abruptly
80.00	Set a lime stone 4x12x14 ins 10 ins in the ground for cor of secs. 7, 8, 17 & 18 marked with 4 notches on S and 5 notches on E edge and raise a mound of stone 2 ft base 1½ ft. high W of cor. Land mountainous

Subdivision of T6N—R13W

chs	
	Soil rocky 4th rate timber scattering Scrub. cedars Mountainous land 80.00 chs.
	East on a random line bet secs 8 & 17
40.00	Set temp 1/4 sec cor.
79.90	Intersect N and S line 9 lks N of cor. of secs 8, 9, 16 and 17.
	Thence I run
	N 89°56' W on a true line bet secs 8 & 17
	Over rolling land.
39.95	Set a granite stone 8x10x24 ins 18 ins in the ground for 1/4 sec cor marked 1/4 m. N face and raise a mound of stone 2 ft. base 1 1/2 ft. high N of cor.
	Pits impracticable
74.00	Wagon road from Terrace to Gautsville runs N and S
75.00	Wash drains N ascend abruptly
79.90	The cor of secs. 7, 8, 17 and 18
4.90	Land rolling and mountainous
75.00	Soil alkali & rocky 4th rate
	No timber
	Mountainous land 4.90 chs.
	N 89°55 W on a random line bet secs 7 & 18
40.00	Set temp 1/4 sec cor.
92.95	Intersect W bdy. of Tp. 6 lks N of cor of secs 7, 12, 13, and 18 heretofore described.
	Thence I run
	S 89°53' E. on true line bet secs 7 and 18
	Ascend.
22.45	Northerly end of main ridge of Newfoundland mountains projects northerly

Subdivision of T 6 N., R 13 W

chs.	
45.00	Gulch drains N 20° E
52.95	Set a granite stone 8 x 6 x 20 ins 15 ins in the ground for 1/4 sec cor. marked 1/4 on N face and raise a mound of stone 2 ft base 1 1/2 ft high W cor. Pits impracticable.
61.00	Top of spur projects northerly descend
67.00	Drop drains northerly
81.00	Top of rocky spur projects northeasterly descend abruptly.
92.95	The surveyed secs 7, 8, 17 and 18 Land mountainous Soil rocky & stony No timber Mountainous land 92.95 chs.

N 0° 04' W for secs 7 and 8
Abrupt descent

6.00	Foot of abrupt descent. Base mountainous land.
40.00	Set a granite stone 6 x 8 x 24 ins 18 in in the ground for 1/4 sec cor. marked 1/4 on W face. and raise a mound of stone 2 ft base 1 1/2 ft high W cor. Pits impracticable Contains gentle descent.
57.00	Road from Tenace to Grantsville bears westerly and South Easterly.
80.00	Set a granite stone 5 x 7 x 15 ins 10 ins in the ground for cor of secs 5, 6, 7 and 8 marked with 5 notches on S and E edges
6/4	dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft dist and raise a mound of earth 4 ft base 2 ft high W cor. Land level & mountainous Soil rocky and alkali & stony No timber Mountainous land 6.00 chs.

Subdivision of T 61 N., R 13 W

Chs.	
	S 89°56' E on a random line bet secs 5 & 8
40.00	Set a temp 1/4 sec cor.
80.00	Intersect mand S line 9 lks S of cor of secs 4, 5, 8, and 9.
	Thence 9 mm
	West on a true line bet secs 5 and 8
	Over level land through geese-wood brush
40.00	Set a porphyry stone 5 x 6 x 20 ins 15 ins in the ground for 1/4 sec cor marked 1/4 on N face dig pits 18 x 18 x 12 ins E and W of stone 3 ft dist and raise a mound of earth 3 1/2 ft base 1 1/2 ft high N of cor.
70.00	Leave dense geese-wood brush
80.00	The cor of secs 5, 6, 7, & 8,
	Land level
	Soil alkali 4th note
	No timber
	Geese wood brush 70.00 chs

	N 89°53' W on a random line bet secs 6 & 7.
40.00	Set a temp 1/4 sec cor.
93.06	Intersect W bdy of Tp. 19 lks S of cor of secs 1, 6, 7 & 12 heretofore described
	Thence 9 mm
	S 89°45' E on a true line bet secs 6 & 7
	Over level land
53.06	Set a quartzite stone 6 x 8 x 15 ins 10 ins in the ground for 1/4 sec cor marked 1/4 on N face: dig pits 18 x 18 x 12 ins E and W of stone 3 ft dist and raise a mound of earth 3 1/2 ft base 1 1/2 ft high N of cor.
57.00	Road from Tenace to Grantsville bears NW & SE
93.06	The cor of secs 5, 6, 7, & 8,
	Land level
	Soil alkali 4th note
	No timber.

Subdivision of T 6 N., R 13 W

Chs	
40.00	N 0° 04' W on a random line bet secs 5 & 6
8.74	Set temp. 1/4 sec. cor.
	Intersect N. bdy. of Tp. 30 lks E of cor. of secs 5 and 6 heretofore described
	Thence I run
	S 0° 16' E on a true line bet secs 5 & 6.
	Over level land.
48.74	Set a porphyry stone 5 x 7 x 15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W face. dig pits 18 x 18 x 12 ins N and S of Stone 3 ft dist. and raise a mound of earth 3 1/2 ft base 1 1/2 ft high W of cor.
88.74	The cor of sec's 5, 6, 7 & 8
	Land level.
	Soil alkali 4th rate
	No timber

June 13 1903

General Description.

This Tp. consists of level land in the northern & eastern portion and mountainous land in the South-western portion

The soil on the level land is clay covered with a deposit of alkali water heavily charged with alkali can be found within 3 to 10 ft of the surface

The soil in the mountainous portion is rocky and along the ridge which runs in a northerly & southerly direction along Swestern part of Tp. and known as Newfoundland Mountains there are sufficient evidences of mineral to report sec's 18, 19, 29, 30, 31 & 32 as mineral land. silver & copper

A few scattering cedars can be

found upon the mountainous portion of Tp. and along the base of the foot hills some good suitable for grazing

There are several small springs and seeps of alkali water to be found in the mountainous portion of Tp. There are no settlers in the township

John W. Dougall
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by _____

_____, United States Deputy Surveyor, to assist in running, measuring, and

king the lines and corners described in the foregoing field notes of the survey of _____

_____

ving the respective capacities in which they acted:

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _____

_____, United States Deputy Surveyor, in surveying all

parts or portions of the _____

_____

_____

_____ of the _____

_____ meridian, _____ of _____, which are represented

e foregoing field notes as having been surveyed by him and under his direction; and that said survey been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the r monuments established, according to the instructions furnished by the United States Surveyor

ral for _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

_____, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

cribed and sworn to before me this _____

ay of _____, 190

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of ..... day of ....., 190 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surve General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of ..... of the ..... meridian, in the ..... of ....., which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for ..... and in the specific manner described in the field notes, and the foregoing are the original field notes of such survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

For final affidavit see book 73 Sp. Pr. 13 W.

.....
United States Deputy Surve

Subscribed by said ....., and sworn to before me this ..... day of ....., 190

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 5, 1904, 19

The foregoing field notes of the survey of the Subdivisional Lines of Township 6 North Range 13 West of the Salt Lake Base Meridian, Utah

executed by Alfredo R. Talamantes and John W. Dougall under ~~his~~ their contract No. 262, dated March 23, 1903, 190 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor Gene

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

.....
United States Surveyor Gene

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BOOK A-300

FIELD NOTES

retracement
OF THE ~~SURVEY~~ OF THE

East Boundary

of

T7N., R13W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

redo A. Talamontes & John W. Dougall, United States Deputy Surveyors

der ~~his~~ mair Contract No. 262, dated March 23, 1903, ~~189~~

retracement
rvey commenced June 14, 1903, ~~189~~

retracement
rvey completed June 15, 1903, ~~189~~

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BOOK . A-300

NAMES AND DUTIES OF ASSISTANTS.

John H. Chase.	Chainman.
William H. Evans.	Chainman.
Otto B. Vonary	Rodman.
Thomas M. Gallup	Flagman.

Volume
#
R0300

BOOK A-300

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, John W. Chase and William W. Evans,
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the retra
survey of East Bdy. T.7 N., R.13 W. of the Salt Lake Base and
Meridian, Utah.

John W. Chase, Chainma
William W. Evans, Chainma

Subscribed and sworn to before me this 25
day of April 1905

SEAL

Hugh M. Dougall
Notary Public

WE, ~~WE~~ Otto B. Vonarx and
do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishme
of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the relocation
survey of East Bdy. T.7 N., R.13 W. of the Salt Lake Base and
Meridian, Utah.

Otto B. Vonarx, Moundma
, Moundma

Subscribed and sworn to before me this 25
day of April 1905

SEAL

Hugh M. Dougall
Notary Public

WE, and
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

, Axma
, Axma

Subscribed and sworn to before me this
day of , 189

SEAL

I, Thomas M. Gallup, do solemnly swear that I will well and tru
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
relocation
~~survey~~ of East Bdy. T.7 N., R.13 W. of the Salt Lake Base and
Meridian, Utah.

Thomas M. Gallup, Flagma

Subscribed and sworn to before me this 25
day of April 1905

SEAL

Hugh M. Dougall
Notary Public

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East Body of T 7 N., R 13 W.

Retracement commenced June 14, 1903 and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other reading to single minutes of arc.
The instrument was examined tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah April 30, 1903.
I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during p. m. and a. m. hours, with a meridian determined by observations on Polaris. I proceed as follows
At the cor. of Tps. 6 and 7 N. R 13 W. as heretofore described in Lat. 41° 17' N. longitude 113° 17' W. I set 5/8 41° 17' N. on the lat arc. 23° 15' N. on the decl. arc. and at 4h 00m p. m. l. m. t. determine with the solar a true meridian and mark a point thereon a tin driven in the ground 5.00 chs N. of cor.
June 17, 1903.

June 18: At 1h 58m a. m. l. m. t. I observe Polaris at Eastern elongation in accordance with Manual of Instructions and mark the true meridian thus determined by a small nail driven in a hub set 5 chs N. of cor.

June 15: At 7h 30m a. m. l. m. t. I lay off the azimuth of Polaris 1° 36' to the West and mark the meridian thus determined by a tack driven in the hub set June 14, on

East Bdy of T 7 N., R 13 W.

Chains	which the meridian falls 0.2 ins W. of the mark determined by the solar.
	At 8h 00m a.m. l.m.t. I set off 41°17' N. on the lat. arc. 23°17' N. on the decl. arc. and mark a point on the meridian determined with the solar, by a pencil mark on the stake set 5.00 chs N. of cor. This mark falls 0.2 ins W. of the meridian established by the Polaris observation. The solar apparatus by p.m. and a.m. observations defines positions for meridians about 0'11" East and 0'11" West of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h 10m a.m. is N. 17°30' W. the angle thus determined gives the mag. decl. 17°30' E.
	Knowing from blank line previously run and described in Book V. that it will be necessary to retrace East bdy T 7 N. R 13 W. I run North bet. secs 31 and 36. Over level land.
40.33	Fall 19 lks E. of old 1/4 sec. cor. bet. secs. 31 and 36. which is a limestone 8x10x6 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 0°16' W. and dist. 40.33 chs.
80.92	Fall 72 lks E. of old pits and mound. cor destroyed. Re-establish same in original position as follows

East Bdy of T. 7 N., R 13 W.

Chains	Set a porphyry stone 5"x7"x15" ins; 10 ins in the ground for cor. of secs. 25, 30, 31 and 36. marked with 1 notch on S. and 3 notches on N. edge; dig pits 18"x18"x12" ins; in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Course of line; set corners is therefore N. 0° 45' W. and dist. 40.60 chs. Land level. Soil alkali; 4th rate. No timber.
	From cor of secs 25, 30, 31 and 36 as re-established. I run North set secs 25 and 30. Over level land.
39.80	Fall 24 lks E. of ¼ sec. cor. set secs. 25 and 30 which is a limestone 4"x10"x5" ins above ground marked and witnessed as described by the surveyor general. Course of line set., corners is therefore N. 0° 21' W. and dist. 39.80 chs.
79.95	Fall 48 lks E. of old cor. of secs 19, 24, 25 and 30. which is a flint rock 8"x10"x5" ins. above ground marked and witnessed as described by the surveyor general. Course of line set, corners is therefore N. 0° 21' W. and dist 40.15 chs. Land level. Soil alkali; 4th rate. No timber.
	From old cor of secs. 19, 24, 25, and 30.

Chains	
	From North bet secs 19 and 24. Over level land.
40.20	Fall 21 lks E. of old 1/4 sec. cor bet secs 19 and 24 which is a flint stone 4 X 8 X 5 ins above ground marked and witnessed as described by the surveyor general. Course of line bet. corners is therefore N. 0° 18' W. and dist 40.20 chs.
80.26	Fall 41 lks E. of old cor of secs. 13, 18, 19 and 24. which is a black sandstone 7 X 8 X 4 ins. above ground marked and witnessed as described by the surveyor general. Course of line bet corners is therefore N. 0° 17' W. and dist 40.06 chs. Land level. Soil alkali; 4th rate. Watered.
	From old cor of secs 13, 18, 19 and 24. From North bet secs. 13 and 18. Over rolling land.
41.14	Fall 28 lks E. of old 1/4 sec. cor. bet. secs. 13 and 18. which is a flint stone 4 X 10 X 5 ins. above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 0° 23' W. and dist. 41.14 chs.
81.16	Fall 31 lks E. of old cor of secs 7, 12, 13 and 18. which is a black trachyte stone 5 X 10 X 9 ins above ground marked and witnessed as described by the surveyor general Course of line bet. corners is therefore

East Bdy of T 7 N., R 13 W.

Chains	
	N. 0° 20' W. and dist 40.02 chs.
	Land rolling
	Soil sandy, and alkali; 4th rate
	In timber.
	From old cor of secs. 7, 12, 13, and 18.
	Run
	North 1st sec. 7 and 12.
	Over rolling land.
40.24	Fall 32 lks E. of old 1/4 sec. cor. which is a black sandstone 5 x 7 x 5 ins. above ground marked and witnessed as described by the surveyor general.
	Course of line 1st corrects is.
	therefore N. 0° 27' W. and dist 40.24 chs.
80.60	Fall 61 lks E. of old cor of secs 1, 6, 7, and 12. which is a black flint stone 7 x 8 x 6 ins. above ground marked and witnessed as described by the surveyor general.
	Course of line 1st. corrects is
	therefore N. 0° 25' W. and dist 40.36 chs.
	Land rolling.
	Soil alkali, and sandy; 4th rate.
	In timber.
	June 15: At 12h 00m m. l. m. t. sky overcast observation for lat impossible.
	From old cor of secs 1, 6, 7, and 12
	Run
	North 1st secs 1 and 6.
	Over rolling land.
39.90	Fall 22 lks E. of old 1/4 sec. cor. 1st sec. 1 and 6. which is a sandstone badly disintegrated but old mark still discernible
	Re-establish cor. as follows
	Set a lime-stone 7 x 8 x 15 ins; 10 ins

East Bdy of T. 7 N., R 13 W.

Chains

on the ground for 1/4 sec. cor. marked 1/4 on W. face; and raise a mound of stone, 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Course of line bet. cors. is therefore N 0° 19' W. and dist. 39.90 chs.

79.85 Fall 7 8 lks E. of old cor of T's 6 and 7 and 8 N., Rs 12 and 13 W. which is a granite rock 16 x 16 x 10 ins above ground marked and witnessed as described by the surveyor general.

Course of line bet. corners is therefore N. 0° 22' W. and dist 39.85 chs.

Land rolling.

Soil alkali and sandy; 4th rate.

No Timber.

June 15, 1903

General Description

For general description see notes of subdivision of T 7 N., R 13 W.

John W. Dougall
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John H. Dougall, United States Deputy Surveyor, to assist in running, measuring, and king the lines and corners described in the foregoing field notes of the ~~survey~~ retracement of st Bdy. T7N., R13W. of the Salt Lake Base and ridion, Utah.

ing the respective capacities in which they acted:

John H. Chase., Chainman.
William H. Evans., Chainman.
Otto B. Konarx., Moundman.
....., Moundman.
....., Axman.
....., Axman.
Thomas M. Gallup., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John H. Dougall, United States Deputy Surveyor, in surveying all parts or portions of the Bdy. T7N., R13W. of the Salt Lake Base and meridian, State of Utah, which are represented foregoing field notes as having been ~~surveyed~~ retraced by him and under his direction; and that said ~~survey~~ retracement been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the r monuments established, according to the instructions furnished by the United States Surveyor ral for Utah

John W Chase, Chainman.
William H Evans, Chainman.
Otto B. Konarx, Moundman.
....., Moundman.
....., Axman.
....., Axman.
Thomas M. Gallup, Flagman.

ribed and sworn to before me this 6 ay of July 1903

SEAL

Hugh M Dougall
Notary Public.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward P. Anderson United States Surveyor General for The State of Utah, bearing date of 23rd day of March 1903, 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for The State of Utah, the Manual of Surveying Instructions, and the laws of United States, ~~surveyed~~ relocated all those parts or portions of The East Boundary of Township 7 North Range 13 West

of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes as having been ~~surveyed~~ relocated by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for The State of Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such ~~survey~~ relocation; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John W. Dougall
United States Deputy Surve

Subscribed by said John W. Dougall, and sworn to before me this 23rd day of November 1903, 189

SEAL

Edward P. Anderson
U.S. Surveyor-General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Salt Lake City, Utah, March 5, 1904, 189

The foregoing field notes of the ~~survey~~ relocation of The East Boundary of Township 7 North Range 13 West of the Salt Lake Base & Meridian Utah

executed by Alfredo R. Talamantes & John W. Dougall under ~~his~~ their contract No. 262, dated March 23 1903, 189 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and ~~surveys~~ relocations they describe, are hereby approved.

Edward P. Anderson
United States Surveyor Gene

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

United States Surveyor Gene

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BOOK A-300

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

T. 7 N., R. 13 W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Fredo R. Talamantes & John W. Dougall, United States Deputy Surveyors

~~his~~ their Contract No. 262, dated March 23, 1903,

Survey commenced June 14, 1903.

Survey completed June 15, 1903.

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Corr. 12-23 ✓

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

Geo M. P. Dougall	Chainman.
James S. Houtz	Chainman.
Wilbur J. Rowland	Moundman.
Ralph A. Groesbeck	Flagman

For preliminary affidavits see book E. Tp. 7 N R 13 [illegible]

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BOOK A-300

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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, _____ and _____ do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we measure, to the best of our skill and ability, and in accordance with instructions given us, in the survey of _____

_____, *Chainman.*

_____, *Chainman.*

Subscribed and sworn to before me this _____ day of _____, 190

SEAL

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Moundman.*

_____, *Moundman.*

Subscribed and sworn to before me this _____ day of _____, 190

SEAL

_____

We, _____ and _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of _____

_____, *Axman.*

_____, *Axman.*

Subscribed and sworn to before me this _____ day of _____, 190

SEAL

_____

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

_____, *Flagman.*

Subscribed and sworn to before me this _____ day of _____, 190

SEAL

_____

North Bdy. T 7 N., R 13 W.

Chains.	
	Survey commenced June 14, 1903. and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other and reading to single minutes of arc. For complete test of solar apparatus see Book P
	June 14: At 2h 00m p. m. l. m. t. I set a 41° 23' N. on the lat. arc. 23° 15' N. on the decl. arc. and determine a true meridian with the solar at the old cor. of Tps. 7 and 8 N., Rs 12 and 13 W. heretofore described. Thence I run West on a random line on N. bdy T 7 N., R 13 W. setting temp 1/4 sec. and sec. cors. at respective intervals of 40.00 and 80.00 chs. And at 48.70 chs intersect N. and S. line 12.23 chs N. of cor. of Tps 7 and 8 N. Rs 13 and 14 W. heretofore described.
	June 15: At 8h 00m a. m. l. m. t. I set a 41° 23' N. on the lat arc. 23° 18' N. on the decl. arc. and determine a true meridian with the solar at the cor. of Tps. 7 and 8 N. Rs 13 and 14 W. heretofore described. Thence I run East on a true line set secs 6 and 31. Over level land.
38.70	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high N. of cor.
88.70	Set a quartzite stone 4 x 7 x 18 ins;

Chains	12 ins. in the ground for cor. of secs. 5, 6, 31 and 32, marked with 5 notches on E. and 1 notch on W. edge; dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level. Soil, alkali; 4th rate. Fr. timber.
	East bet. secs. 5 and 32. Over level land.
40.00	Set a quartzite stone 5 x 7 x 16 ins.; 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Set a quartzite stone 6 x 8 x 15 ins.; 10 ins. in the ground for cor. of secs. 4, 5, 32, and 33, marked with 4 notches on E. and 2 notches on W. edge; dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land level. Soil alkali; 4th rate. Fr. timber.
	East bet. secs. 4 and 33. Over level land.
40.00	Set a quartzite stone 6 x 8 x 15 ins.; 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.

North Bdy of T. 7 N., R 13 W.

Chains	
80.00	Set a quartzite stone 6 x 6 x 15 ins; 10 ins. in the ground for cor. of secs. 3, 4, 33, and 34, marked with 3 notches on E. and 3 notches on N. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	East 1st secs 3 and 34.
	Over level land.
40.00	Set a quartzite stone 6 x 8 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and N. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Set a quartzite stone 5 x 7 x 16 ins; 11 ins. in the ground for cor. of secs. 2, 3, 34, and 35; marked with 2 notches on E. and 4 notches on N. edge; dig pits 18 x 18 x 12 ins in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	East 1st secs 2 and 35;
	Over level land.
20.00	Enter sand knolls.
40.00	Set a quartzite stone 5 x 7 x 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and N. of stone 3 ft. dist; and

Chains	
	raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Set a quartzite stone 6 x 7 x 15 ins; 10 ins in the ground for cor. of secs. 1, 2, 35, and 36, marked with 1 notch on E. and 5 notches on N. edge; dig pits 18 x 18 x 12 ins. in each sec. 5-½ ft. dist, and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land level and rolling.
	Soil alkali, and sandy; 4th rate.
	No timber.
	East bet. secs 1 and 36.
	Through sand hummocks.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E and N. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Intersect N. and S. line 12.23 chs. S 0° 22' E. of old cor. of Tps 7 and 8 N. Rs 12 and 13 W. heretofore described
	Set a quartzite stone 6 x 12 x 24 ins; 18 ins. in the ground for closing cor. of Tps 7 and 8 N. R 13 W. marked C. C. 13 . on W. 8 N. on N. and 7 N on S face, with 6 grooves on W. N. and S. face; dig pits 30 x 24 x 12 ins crosswise on each line N. and S. 4 ft. and W. of stone 8 ft. dist; and raise a mound of earth 5 ft. base, 2½ ft. high W. of cor.
	I destroy all marks on old cor. pertaining to secs 1 and 36.
	Land rolling
	Soil alkali, and sandy; 4th rate
	No timber.

North Bdy. of T7N., R13W.

June 15; at this cor. I set off 23°18'N. on the decl. arc. and at 12h 00m m.l.m.t. observe the sun on the meridian. The resulting lat. is 41°23'.

June 15, 1903.

Latitudes, Departures, and Closing Errors.

Line Designated.	True Bearing	Dist.	Latitudes. N.	Latitudes. S.	Departures. E.	Departures. W.
		Chs.	Chs.	Chs.	Chs.	Chs.
W. Bdy. T7N, R13W	North	489.90	489.90			
N. Bdy. T7N. R13W	East	488.70			488.70	
W. Bdy. Sec 6. T7N, R12W	S.0°22'E	27.72		27.72	0.18	
W. Bdy. Sec 6. " "	S0°19'E	39.90		39.90	0.22	
W. Bdy. Sec 7. " "	S0°25'E	40.36		40.36	0.29	
W. Bdy. Sec 7. " "	S.0°27'E	40.24		40.24	0.32	
W. Bdy. Sec 18 " "	S.0°20'E	40.02		40.02	0.23	
W. Bdy. Sec 18 " "	S0°23'E	41.14		41.14	0.28	
W. Bdy. Sec. 19 " "	S0°17'E	40.06		40.06	0.20	
W. Bdy. Sec. 19 " "	S0°18'E	40.20		40.20	0.21	
W. Bdy. Sec 30 " "	S0°21'E	40.15		40.15	0.24	
W. Bdy. Sec. 30 " "	S0°21'E	39.80		39.80	0.24	
W. Bdy. Sec. 31 " "	S0°45'E	40.60		40.59	0.53	
W. Bdy. Sec 31 " "	S0°16'E	40.33		40.33	0.19	
E Bdy. Sec 36. T7N, R13W	South	18.66		18.66		
S. Bdy. T7N, R13W.	West	492.41				492.41
Convergency					0.64	
			489.90	489.17	492.47	492.41
Totals			489.17		492.41	
Error in Lat.			0.73		0.06 Error in Dep.	

General Description.

For general description see notes of subdivision of T7N., R13W.

Alfredo R. Talamantes
U. S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfred R. Talamantes, 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 Bdy. T7N., R15W: E and N. Bdy's T6N., R14W: E Bdy. T8N., R14W and N. Bdy. T7N., R13W. of the Salt Lake Base and Meridian, Utah.

Showing the respective capacities in which they acted:

Geo. M. P. Dougall, Chainman.
James S. Hardy, Chainman.
Wilbur D. Rowland, Moundman.
, Moundman.
, Axman.
Ralph A. Greenecke, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfred R. Talamantes, United States Deputy Surveyor, in surveying all the parts or portions of the Bdy. T7N., R15W: E and N. Bdy's T6N., R14W: E Bdy. T8N., R14W. and N Bdy. T7N., R13W. of the Salt Lake Base and meridian, State of Utah, which 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 proper monuments established, according to the instructions furnished by the United States Surveyor General for Utah.

Geo M Dougall, Chainman.
James S. Hardy, Chainman.
Wilbur D Rowland, Moundman.
, Moundman.
, Axman.
Ralph A. Groesbeck, Axman.
, Flagman.

Subscribed and sworn to before me this 6 day of July 1903, 189

SEAL

Leigh Cm Dougall
Notary Public

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R. Talamantes, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Edward H. Anderson, United States Surveyor General for The District of Utah, bearing date of the 23d day of March 1903, 189 , 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 The State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of The South Boundary of T. 7 N. R. 15 W. East & North Boundaries T. 6 N. R. 14 W. East Boundary T. 8 N. R. 14 W. and The North Boundary T. 7 N. R. 13 W.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books E P T Y as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for The State of Utah, and in the specific manner described in the field notes, and that the foregoing are the original 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.

Alfredo R. Talamantes
United States Deputy Surveyor.

Subscribed by said Alfredo R. Talamantes, and sworn to before me this 23d day of November 1903 189

Edward H. Anderson
U. S. Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah, March 5 1904, 189

The foregoing field notes of the survey of The North Boundary of Township 7 North Range 13 West of the Salt Lake Base & Meridian, Utah

executed by Alfredo R. Talamantes & John W. Dougall under ~~his~~ their contract No. 262, dated March 23 1903 ~~189~~, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward H. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-300

FILED
NOV 23 1903

FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T7N., R13W

Of the Salt Lake Base and ..... Meridian,

State of Utah

AS SURVEYED BY

Pedro A. Talamantes and John W. Dougall, United States Deputy Surveyors

per ~~his~~ their Contract No. 262, dated March 23, 1903, ~~189~~

Survey commenced June 16, 1903, ~~189~~

Survey completed June 20, 1903, ~~189~~

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Surv 61-22-83 ✓

Orig 1-66-07 ✓

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

Geo. M. P. Dougall — Chainman.

James S. Hardy — Chainman.

Wilbur J. Rowland — Foreman.

Ralph C. Groesbeck — Flagman.

For preliminary affidavits see book F. pp. 7 & 8 R 156.

INDEX DIAGRAM.

Township 7 N., Range 13 W.

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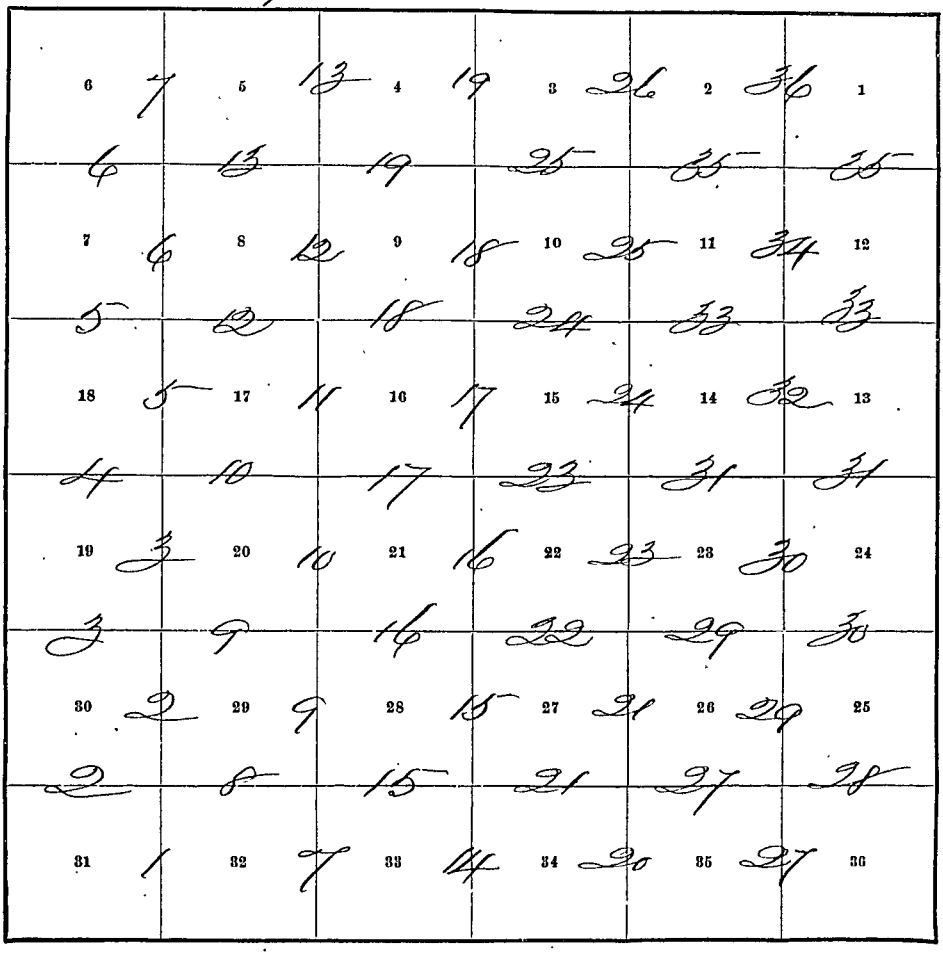
BOOK A-300

INDEX DIAGRAM.

Township 7 North, *Range* 13 West



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

We, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surve

.....

....., *Chainm*

....., *Chainm*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

We, ... and .....
do solemnly swear that we will well and truly perform the duties of moundmen in the establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the surve

.....

....., *Moundm*

....., *Moundm*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

We, ... and .....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

.....

....., *Axme*

....., *Axme*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

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

....., *Flagma*

Subscribed and sworn to before me this .....
day of ....., 189

SEAL

.....

.....

6—151

Subdivision of T7N., R13W.

Chains	Survey commenced June 16, 1903. and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other reading to single minutes of arc. For complete test of solar apparatus see Book P.
	Knowing from retracement of E. bdy of this Tp. that said Bdy. is out of limit in alinement and measurement and that if township is subdivided in regular manner, fractional areas will be necessary against both E. and W. Bdy's. I proceed to subdivide the same from west to east. as follows
	At 8h 00m a.m. l.m.t. I set off 41°17'N. on the lat arc. 23°20'N. on the decl. arc. and determine the meridian with the solar at the cor. of secs 31 and 32. on S. bdy of T7N., R13W. heretofore described.
	Thence I run
	N. 0°01'E. bet secs 31 and 32.
	Over level land.
40.00	Set a porphyry stone 5x8x15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins N. and S of stone 3 ft. dist; and raise a mound of earth 3½ ft base, 1½ ft. high W. of cor.
58.70	Center of track Central Pacific Ry. known as the Lucin Cut-Off. bears N. 81°40' W. and S 81°40'E.
59.65	Telegraph line bears N. 81°40' W. and S. 81°40'E.
76.00	Sand hill bears E. and W.
80.00	Set a pine post 4 ft. long, 4 ins. sq. with quart of charcoal, 36 ins in the ground for cor of secs 29, 30, 31 and 32. marked T7N S29 on N.E., R13W S32 on S E., S31 on S W. and

Subdivision of T 7 N., R 13 W.

Chains	
	S 30 on N. & W. face; with 1 notch on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. ¼ cor.
	Land level, and rolling.
	Soil, alkali, and sandy; 4th rate.
	No timber.
	Set on a random line bet. secs 30 and 31.
40.00	Set temp. ¼ sec. cor.
79.82	Intersect W. bdy of T. 7 N. R. 13 W. S. ¼ cor. of sec 25; 30, 31 and 36 heretofore described.
	Thence run
	S 89° 57' E. on a true line bet. secs 30 and 31.
	Chs. level land
39.91	Set a porphyry stone 6 x 7 x 15 ins; 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. ¼ cor.
46.80	Top of sand hill bears N. E. and S. W.
75.30	Foot of sand hill bears N. and S.
79.82	The cor. of secs. 29, 30, 31 and 32.
	Land level, and rolling.
	Soil alkali, and sandy; 4th rate.
	No timber.
	N. 0° 01' E. bet. secs 29 and 30.
2.25	Bears sand hill bears E. and W.
40.00	Set a quartzite stone 5 x 6 x 17 ins; 12 ins in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base. 1½ ft. high W. ¼ cor.
80.00	Set a porphyry stone 4 x 6 x 20 ins.

Chains	15 mos. in the ground, for cor. to secs. 19, 20, 29, and 30, marked with 2 notches on S. and 3 notches on E. edge; dig. pits, 18 X 18 X 12 ins., on each sec. 3½ ft dist; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor.
	Land, level and rolling.
	Soil, alkali; 4th rate,
	No timber.
	N. 89° 3-7' W. a random line bet. secs. 19 and 30,
40.00	Set temp. ¼ sec. cor.
99.80	Intersect W. bdy. of T. 7 N. R. 13 W. N. of cor. to secs. 19, 24, 25 and 30. heretofore recorded.
	Thence I run
	East on a true line bet secs. 19 and 30,
	Over level land
39.90	Set a quartzite stone 6 X 6 X 14 ins. 9 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth, 3½ ft base, 1½ ft high, N. of sec.
79.80	The cor. to secs. 19, 20, 29 and 30.
	Land, level,
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 01' E. bet secs. 19 and 30.
	Over level land.
40.00	Set a quartzite stone 5 X 7 X 15 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ on W. face; dig pits 18 X 18 X 12 ins. N. and S. of stone

Chains	3 ft. dist; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft high. W. of cor.
80.00	Set a quartzite stone 6 X 8 X 16 ins, 11 ins in the ground, for cor. of secs. 17, 18, 19, and 20, marked with 3 notches on S. and 5 notches on E. edge; dig pits; 18 X 18 X 12 ins; in each sec. $5\frac{1}{2}$ ft dist; and raise a mound of earth, 4 ft. base, 2 ft high, W. of cor. Land, level. Soil, alkali; 4th rate. No timber.
	West on a random line bet secs. 18 and 19.
40.00	Set temp 1/4 sec. cor.
79.64	Intersect W. bdy. of Tp. 12 lks S. of cor of secs. 13, 18, 19 and 24, heretofore described. Thence I run S. 89° 55' E. on a true line bet. secs. 18 and 19. Over level land.
39.82	Set a quartzite stone 5 X 7 X 16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins, E. and W. of stone, 3 ft dist; and raise a mound of earth, $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft high. N. of cor.
79.64	The cor of secs. 17, 18, 19 and 20. Land, level. Soil, alkali; 4th rate. No timber. June 16: At this corner, I set off 23° 20' N. on the decl. arc; and at 12h 00m m. l. m. t., observe the sun on the meridian; the resulting lat. is 41° 20'.

Subdivision of T. 7 N. R. 13 W.

Chains	
	N. 0°01' E. bet secs. 17 and 18.
	Over level land.
40.00	Set a quartzite stone 8 x 10 x 16 ins, 11 ins. in the ground, for 1/4 sec. cor, marked 1/4 on W. face; dig pits 18 x 18 x 12 ins., N. and S. of stone, 3 ft dist; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
80.00	Set a porphyry stone 5 x 7 x 15 ins, 10 ins in the ground, for cor of secs, 7, 8, 17 and 18. marked with 4 notches on S. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins, in each sec. 5 1/2 ft dist; and raise a mound of earth 4 ft. base, 2 ft high, W. of cor.
	Land, level.
	Soil; alkali; 4th rate.
	No timber.
	N. 89°55' W. on a random line bet secs. 7 and 18.
40.00	Set temp 1/4 sec. cor.
79.74	Intersect W. bdy. of Tp. 12 lks N. of cor. of secs. 7, 12, 13 and 18. heretofore described.
	Thence I run
	East on a true line bet secs. 7 and 18.
	Over level land.
39.87	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins, E. and W. of stone, 3 ft. dist; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft high N. of cor.
79.74	The cor of secs 7, 8, 17 and 18.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.

Chains	
	N. 0° 01' E. bet secs. 7 and 8.
	Over level land.
40.00	Set a porphyry stone 4 X 10 X 16 ins; 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 X 18 X 12 ins., N. and S. of stone, 3 ft dist; and raise a mound of earth, 3½ ft base, 1½ ft high. W. of cor.
80.00	Set a porphyry stone 5 X 7 X 15 ins. 10 ins. in the ground for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on S. and 5 notches on E. edge; dig pits; 18 X 18 X 12 ins; in each sec. 3½ ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	West on a random line bet. secs 6 and 7.
40.00	Set temp 1/4 sec. cor.
79.86	Intersect W. bdy of Tp. at the cor of secs. 1, 6, 7 and 12. heretofore described.
	Thence I run
	East on a true line bet. secs. 6 and 7.
	Over level land.
39.93	Set a porphyry stone 5 X 7 X 15 ins; 10 ins. in the ground. for 1/4 sec. cor. marked 1/4 on N. face; dig pits; 18 X 18 X 12 ins, E. and W. of stone, 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high. N. of cor.
79.86	The cor. of secs 5, 6, 7 and 8.
	Land, level.
	Soil, alkali; 4th rate. No timber.

Subdivision of T7N., R13W.

Chains	
	Knowing from survey of N. bdy. of Tp. that a closing cor. bet. secs. 5 and 6. will be necessary
	I run
	N. 0° 01' E. on a true line bet. secs. 5 and 6.
	Over level land.
40.00	Set a quartzite stone 6X7X15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 ins; N. and S. of stone: 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. W. of cor.
90.08	Intersect N. bdy of Tp. 9 chs W. of cor. of secs. 5, 6, 31, and 32. heretofore described.
	Set a porphyry stone 6X8X15 ins; 10 ins. in the ground for closing cor. of secs. 5, and 6. marked C.C. on S. with 5 grooves on E. and 1 groove on W. face; dig pits 24X18X12 ins, crosswise on each line, E. and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high S. of cor.
	I destroy all marks on original cor. pertaining to secs 5, and 6.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	June 16, 1903.

June 17: At 8h 00m a.m. l.m.t. I set off 41° 17' N. on the lat. arc. 23° 22' N. on the decl. arc; and determine a meridian with the solar at the cor of secs. 32 and 33. on S. bdy of Tp. heretofore described.

Thence I run

N. 0° 02' E. bet. secs. 32 and 33.

Subdivision of T7N., R13W.

Chains	
	Gradually ascending.
6.75	Top of sand knoll bears E. and W.
14.00	Low pass bears easterly and westerly.
20.00	Top of sand hill bears E. and W.
40.00	Set a quartzite stone 6X7X14 ins; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
	On sand hill bears E. and W.
47.80	Center of track Central Pacific Ry. known as the Lucin Cut-Off bears N. 82° W. and S. 82° E.
	Leave sand hill bears E. and W.
48.75	Telegraph line bears N. 82° W. and S. 82° E.
80.00	Set a quartzite stone 6X8X14 ins 9 ins. in the ground for cor. of secs. 28, 29, 32, and 33. marked with 1 notch on S. and 4 notches on E. edge; dig pits 18X18X12 ins. in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land rolling.
	Soil, alkali; 4th rate.
	No timber.
	West on a random line bet secs. 29 and 32.
40.00	Set temp 1/4 sec. cor.
80.10	Intersect N. and S. line at the cor. of secs. 29, 30, 31, and 32.
	Thence I run
	East on a true line bet secs. 29 and 32.
	Over sand hills.
18.00	Leave sand hills.

Subdivision of T 7 N., R 13 W.

Chains.	
40.05	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.10	The cor. of secs. 28, 29, 32, and 33. Land level, and rolling. Soil, alkali; 4th rate. No timber.
	N. 0° 02' E. bet. secs 28, and 29. Over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 8 x 6 x 20 ins; 15 ins. in the ground for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edge; dig pits, 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land level. Soil, alkali; 4th rate. No timber.
	Meet on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.12	Intersect N. and S. line 12 lks W.

Subdivision of T 7 N., R 13 W.

Chains	Of cor. of secs. 19, 20, 29, and 30.
	Thence I run
	N. 89° 55' E. on a true line bet. secs. 20 and 29.
	Over level land
40.06	Set a porphyry stone 6 x 7 x 13 ins., 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.12	The cor. of secs. 20, 21, 28, and 29.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 0° 02' E. bet. secs. 20 and 21.
	Over level land
40.00	Set a porphyry stone 5 x 7 x 18 ins.; 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 4 x 9 x 14 ins.; 9 ins. in the ground for cor. of secs. 16, 17, 20, and 21, marked with 3 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	S. 89° 55' W. on a random line bet. secs. 17 and 20.

Subdivision of T. 7 N., R 13 W.

Chains.	
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line 3 lks N. of cor. of secs. 17, 18, 19, and 20. Thence I run N. 89° 3/4' E. on a true line bet secs. 17 and 20. Over level land.
40.07	Set a quartzite stone 3 x 8 x 17 ins: 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.14	The cor. of secs 16, 17, 20 and 21. Land level. Soil alkali; 4th rate. No timber.

June 17. At this corner. I set Polaris 23° 22' N. on the decl. arc. and at 12h 00m m. l. m. t. observe the sun on the meridian the resulting lat is 41° 20'.

	N. 0° 02' E. bet secs 16 and 17. Over level land.
40.00	Set a porphyry stone 3 x 12 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 4 x 7 x 18 ins, 12 ins. in the ground for cor of secs. 8, 9, 16 and 17. marked with 4 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Subdivision of T 7 N., R 13 W.

Chains	
	Land level Soil alkali; 4th rate. No timber.
	S. 89° 54' W. on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line 14 lks E. of cor. of secs. 7, 8, 17, and 18. Thence N. run East on a true line bet secs 8 and 17. Over level land.
40.07	Set a porphyry stone 6 x 7 x 13 ins; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins, E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.14	The cor. of secs. 8, 9, 16, and 17. Land level. Soil alkali; 4th rate. No timber.
	N. 0° 02' E. bet secs. 8 and 9. Over level land.
40.00	Set a porphyry stone 7 x 8 x 13 ins.; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins, N. and S. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5 x 9 x 14 ins; 11 ins, in the ground for cor of secs. 4, 5, 8, and 9. marked with 5 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins, in each sec. 3 1/2 ft. dist and raise a mound of earth 4 ft.

Subdivision of T 7 N. R 13 W.

Chains	
	Face, 2 ft high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber
	West on a random line bet. secs. 5 and 8.
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line at the cor of secs 5, 6, 7 and 8.
	Thence 9 links
	East on a true line bet. secs 5 and 8.
	Over level land.
40.07	Set a quartzite stone 6 x 8 x 16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.14	The cor. of secs. 4, 5, 8, and 9.
	Land level
	Soil alkali; 4th rate.
	No timber.
	Knowing from survey of N. bdy of Tp. that a closing cor. bet secs. 4 and 5 will be necessary
	Thence
	N. 0° 02' E. on a true line bet secs. 4 and 5;
	Over level land.
40.00	Set a porphyry stone 6 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
90.00	Intersect N. bdy of Tp. 8. 8 5 chs W. of cor. of secs 4, 5, 32, and 33. heretofore described.
	Set a porphyry stone 5 x 9 x 16 ins; 11 ins.

Chains.	
	in the ground for closing cor. of secs. 4 and 5. marked C. C. on S. with 4 grooves on E. and 2 grooves on W. face; dig pits 2½ X 18 X 12 ins. crosswise on each line E. and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Destroy all marks on original cor. pertaining to secs. 4 and 5.
	Land, level.
	Soil alkali; 4th rate.
	No timber.
	June 17, 1903.
	From the cor. of secs 33 and 34 on S. bdy of T/p heretofore described. I run N. 0° 02' E. bet secs. 33 and 34.
	Over rolling land
5.00	Leave rolling land.
36.15	Center of tracks Central Pacific Ry. known as the Lucin Cut-Off. bears N. 82° W and S. 82° E.
37.00	Telegraph line bears N. 82° W. and S. 82° E.
40.00	Set a porphyry stone 3 X 7 X 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 X 18 X 12 ins. N and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 3 X 7 X 17 ins: 12 ins. in the ground for cor of secs 27, 28, 33, and 34. marked with 1 notch on S. and 3 notches on E. edge; dig pits 18 X 18 X 12 ins in each sec. 5½ ft. dist: and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level and rolling.
	Soil alkali; 4th rate.
	No timber.
	June 18: At 8h 00m a.m. l.m. t. I set off

Subdivision of T 7 N., R 13 W.

Chains	
	41° 18' N. on the lat arc, 23° 23' N. on the dec. arc; and determine a meridian with the polar, at the cor. of secs. 27, 28, 33, and 34.
	Thence 9 runs
	West on a random line bet secs 28 and 33.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 28, 29, 32, and 33.
	Thence 9 runs
	East on a true line bet secs. 28 and 33.
	Over level land.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone. 3 ft. dist; and pace a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80.00	The cor. of secs 27, 28, 33, and 34.
	Land level.
	Soil, alkali; 4th rate.
	Timber.

	N. 0° 02' E. bet secs 27 and 28.
	Over level land.
40.00	Set a quartzite stone 6 x 16 x 16 ins; 11 ins in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and pace a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 5 x 6 x 17 ins; 12 ins in the ground for cor. of secs. 21, 22, 27, and 28. marked with 2 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins, in each sec. 3½ ft. dist; and pace a mound of earth 4 ft. base 2 ft. high. W. of cor.
	Land level.
	Soil alkali; 4th rate.

Chains	No timber.
	West on a random line bet secs. 21 and 28
40.10	Set temp 1/4 sec. cor.
79.88	Intersect N. and S. line 6 lks. S. of cor. of secs. 20, 21, 28, and 29. Thence I run S 89° 57' E. on a true line bet secs 21 and 28 Over level land.
39.94	Set a porphyry stone 6 X 7 X 15 ins, 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base. 1 1/2 ft. high N. of cor.
79.88	The cor. of secs. 21, 22, 27, and 28. Land level. Soil, alkali; 4th rate. No timber.
	N. 0° 02' E. bet secs 21 and 22. Over level land.
40.00	Set a porphyry stone 6 X 12 X 14 ins; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 X 18 X 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a red-wood post 8 X 10 ins; 5 ft. long. 48 ins. in the ground for cor. of secs 15, 16, 21, and 22. marked T7N S15 on N.E., R13W S22 on S.E.; S21 on S.W., and S16 on N.W. face: with 3 notches on S. and E. edges; dig pits 18 X 18 X 12 ins.

Chains.	in each sec. 3 1/2 ft. dist; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor. Land level Soil, alkali; 4th rate. Fortunate.
	N. 89° 37' W. on a random line bet secs. 16 and 21.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks N. of cor. of secs. 16, 17, 20, and 21. Thence I run S. 89° 38' E. on a true line bet. secs. 16 and 21. Over level land.
40.00	Set a porphyry stone 5 x 6 x 20 ins; 15 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins; E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor of secs 15, 16, 21, and 22. Land, level. Soil alkali; 4th rate. Fortunate.
	N. 0° 02' E. bet secs 15 and 16. Over level land.
40.00	Set a porphyry stone 6 x 7 x 14 ins, 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 4 x 6 x 20 ins; 15 ins. in the ground for cor. of secs.

Chains.	9, 10, 15, and 16. marked with 4 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 38' W. on a random line bet. secs. 9 and 16.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 8, 9, 16, and 17.
	Thence run
	S. 89° 38' E. on a true line bet. secs. 9 and 16.
	Over level land.
40.00	Set a porphyry stone 5 x 7 x 15 ins.; 10 ins. in the ground, for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and, raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	The cor. of secs. 9, 10, 15, and 16.
	Land level,
	Soil alkali; 4th rate.
	No timber.
	June 18: At this cor. I set ∠ 23° 24' N. on the decl. arc, and at 12h 00m m. l. m. t. observe the sun on the meridian; the resulting lat. is 41° 21'.
	N. 0° 02' E. bet. secs 9 and 10.
	Over level land.
40.00	Set a porphyry stone 6 x 8 x 14 ins.; 9 ins. in the ground for ¼ sec. cor. marked

Subdivision of T 7 N., R 13 W.

Chains	1/4 cor. N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	Set a quartzite stone 5 x 6 x 20 ins; 15 ins in the ground for cor. of secs. 3, 4, 9, and 10 marked with 3 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base. 2 ft. high. N. of cor.
	Land level
	Soil, alkali; 4th rate.
	No timber.
	N. 89° 58' W. on a random line bet. secs. 4 and 9.
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect N. and S. line 16 chs N. of cor. of secs. 4, 5, 8, and 9.
	Thence I run
	N. 89° 55' E. on a true line bet. secs. 4 and 9.
	Over level land.
39.98	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone. 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.95	The cor. of secs. 3, 4, 9, and 10.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	Knowing from survey of N. bdy of Tp. that a closing cor. bet secs. 3 and 4.

Chains	will be necessary.
	I run
	N. 0° 02' E., on a true line bet secs 3 and 4.
	Over level land.
40.00	Set a quartzite stone 5 x 6 x 20 ins.; 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
89.92	Intersect N. bdy of Tp. 8 S. 90 chs. W. of cor. of secs. 3, 4, 33, and 34. heretofore described.
	Set a porphyry stone 4 x 10 x 18 ins.; 12 ins. in the ground for closing cor. of secs. 3 and 4. marked C. C. on S. with 3 grooves on E. and 3 grooves on W. face; dig pits 24 x 18 x 12 ins. crescent on each line E. and W. 3 ft. and S. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	I destroy all marks on original cor. pertaining to secs. 3 and 4.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	June 18, 1903.

	From the cor. of secs. 34 and 35; on S. bdy of Tp. heretofore described
	I run
	N. 0° 03' E. bet secs 34 and 35.
	Over level land.
24.40	Center of track Central Pacific Ry. known as the Lucin Cut-Off. bears N. 82° W. and S. 82° E.
25.10	Telegraph line bears N. 82° W. and S. 82° E.
40.00	Set a porphyry stone 3 x 7 x 15 ins. 10 ins. in the ground for 1/4 sec. cor. marked

Chains.	
	1/4 on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 5x7x15 ins; 10 ins in the ground for cor. of secs. 26, 27, 34 and 35; marked with 1 notch on S. and 2 notches on E. edge; dig pits 18x18x12 ins, in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	West on a random line bet. secs 27 and 34.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 27, 28, 33 and 34.
	Thence I run
	East on a true line bet secs. 27 and 34.
40.00	Set a porphyry stone 5x8x15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	The cor. of secs. 26, 27, 34 and 35.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	June 19: At 8h 00m a.m. l.m.t. I set off 41°18' N. on the lat arc. 23°26' N. on the decl. arc. and determine a meridian with the solar at the cor. of secs. 26, 27, 34,

Chains	
	and 33.
	Thence I run
	N. 0° 03' E. bet secs 26 and 27.
	Over level land.
40.00	Set a porphyry stone 4 x 7 x 18 ins; 12 ins in the ground for 1/4 sec. cor, marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	Set a porphyry stone 5 x 7 x 15 ins; 10 ins in the ground for cor of secs. 22. 23. 26, and 27. marked with 2 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each, sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	Ivo timber.
	Meet on a random line bet. secs 22 and 27.
40.00	Set temp 1/4 sec. cor.
79.95	Intersect N. and S. line 2 lks. N. of cor. of secs. 21, 22, 27 and 28.
	Thence I run
	N. 89° 3-9' E. on a true line bet. secs. 22 and 27. Over level land.
39.98	Set a porphyry stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.95	The cor of secs. 22, 23. 26. and 27.
	Land level.
	Soil, alkali; 4th rate.
	Ivo timber.

Subdivision of T 7 N., R 13 W.

Chains	
	N. 0° 03' E. bet secs 22 and 23.
	Over level land.
40.00	Set a porphyry stone 5 x 7 x 16 ins: 11 ins. in the ground. for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5 x 7 x 15 ins: 10 ins in the ground for cor. of secs. 14, 15, 22, and 23. marked with 3 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.

	S. 89° 59' W. on a random line bet. secs. 15 and 22
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks S. of cor of secs. 15, 16, 21, and 22.
	Thence 9 pm
	East on a true line bet secs. 15 and 22.
	Over level land.
40.00	Set a porphyry stone 6 x 6 x 14 ins: 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high. N. of cor.
80.00	The cor of secs. 14, 15, 22 and 23.
	Land level
	Soil alkali; 4th rate.
	No timber.

Chains	N. 0° 03' E. Set rece 14 and 15.
	Over level land.
40.00	Set a porphyry stone 6 X 6 X 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	Set a porphyry stone 5 X 8 X 15 ins; 10 ins. in the ground for cor. of secs. 10, 11, 14, and 15. marked with 4 notches on S. and 2 notches on E. edge; dig pits 18 X 18 X 12 ins in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level
	Soil alkali; 4th rate.
	No timber.
	West on a random line Set secs 10 and 15.
40.00	Set temp 1/4 sec. cor;
79.98	Intersect N. and S. line 12 lks N. of cor of secs 9, 10, 15, and 16.
	Thence I run
	N. 89° 55' E. on a true line bet. secs. 10 and 15.
	Over level land.
39.99	Set a porphyry stone 4 X 10 X 16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth, 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.98	The cor of secs. 10, 11, 14 and 15.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	June 19: At this cor. I set off 23° 26' N. on the decl. arc. and at 12h 00m 00s m. l. m. t.

Chains.	
	observe the sun on the meridian. The resulting lat is 41° 21'.
	N. 0° 08' E. Set rece 10 and 11. Over sand hills.
40.00	Set a porphyry stone 5 x 7 x 15 ins: 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
62.50	Top of sand hills.
76.00	Leave sand hills.
80.00	Set a porphyry stone 5 x 8 x 17 ins; 12 ins. in the Ground for cor of secs. 2, 3, 10, and 11. marked with 5 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins in each, sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
X	Land level and rolling. Soil, alkali; 4th rate. No timber.
	S. 89° 55' W. on a random line bet. secs. 3 and 10.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 12 lks W. of cor. of secs. 3, 4, 9, and 10.
	Thence N. run East on a true line bet secs 3 and 10. Over level land.
40.00	Set a porphyry stone 4 x 10 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base,

Chains	
	1½ ft. high N. & cor.
71.00	Point of sand hills projects N. W.
73.50	Lease sand hills.
80.00	The cor. of secs. 2, 3, 10, and 11.
	Land level, and rolling.
	Soil alkali; 4th rate.
	No timber.
	Knowing from survey of N. bdy of Tp. that a closing cor. for secs 2, and 3. will be necessary, I run
	N. 0° 03' E. on a true line for secs. 2nd & 3. over level land.
40.00	Set a porphyry stone 5 x 6 x 20 ins; 15 ins in the ground for 1/4 sec. cor: marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. & cor.
89.89	Intersect N. bdy of Tp 8.95 chs W. & cor of secs. 2, 3, 34, and 35; heretofore described. Set a quartzite stone 5 x 7 x 16 ins; 11 ins in the ground for closing cor. of secs. 2 and 3. marked C. C. on S. with 2 grooves on E. and 4 grooves on W. face; dig pits 24 x 18 x 12 ins. crossings on each line E and W. 3 ft. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. & cor.
	I destroy all marks on original cor. pertaining to secs. 2 and 3.
	Land level
	Soil alkali; 4th rate.
	No timber.
	June 19, 1903.

Subdivision of T 7 N., R. 13 W.

Lain	From cor. of secs. 35 and 36 on S. boy of Tp. heretofore described.
	Run
	N. 0° 04' E. bet secs 35 and 36.
	Over level land
18.10	Center of track Central Pacific Ry. known as the Lucin Cut-off Bears N. 81° W. and S. 81° E.
14.00	Telegraph line Bears N. 81° W. & S 81° E
40.00	Set a porphyry stone 4 X 8 X 16 ins.; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 X 18 X 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 5 X 7 X 15 ins.; 10 ins in the ground for cor. of secs. 25, 26, 35 and 36. marked with 1 notch on S. and 1 notch on E. edge; dig pits 18 X 18 X 12 ins. in each sec. 3 1/2 ft dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	Meet on a random line bet secs 26 and 35.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 26, 27, 34, and 35.
	Thence Run
	East on a true line bet. secs 26 and 35
	Over level land.
40.00	Set a porphyry stone 4 X 7 X 18 ins.; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.

Chains	
80.00	The cor of secs. 25, 26, 35, and 36. Land, level. Soil alkali; 4th rate. No timber.
	June 20: At 8h 00m a.m. l.m. t. I set off 41° 18' N. on the lat arc. 23° 27' N. on the decl. arc. and determine the true meridian with the polar at the cor of secs. 25, 26, 35, and 36.
	Knowing from previous re-tracement of E. bdy of Tp. that a closing cor. bet secs. 25 and 36 will be necessary I run East on a true line bet. secs 25 and 36. Over level land.
40.00	Set a porphyry stone 4 x 9 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
91.78	Intersect E. bdy of Tp 19.61 chs S 0° 45' E. of cor. of secs. 25, 30, 31, and 36. heretofore described. Set a porphyry stone 5 x 7 x 15 ins; 10 ins in the ground for closing cor. of secs. 25 and 36. marked C. C. on W. with 1 groove on S. and 3 grooves on N. face; dig pits 24 x 18 x 12 ins. crosswise on each line N. and S., 3 ft. and W. of stone 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor. I destroy all marks on old cor. pertaining to secs. 25 and 36. Land level Soil alkali; 4th rate. No timber.

Subdivision of T. 7 N., R. 18 W.

Chains	
	N. 0° 04' E. bet. secs. 25 and 26.
	Over level land.
40.00	Set a porphyry stone 4 x 7 x 18 ins.; 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a porphyry stone 4 x 7 x 18 ins., 12 ins. in the ground for cor. of secs. 23, 24, 25 and 26. marked with 2 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.

	Meet on a random line bet. secs. 23 and 26
40.00	Set temp. 1/4 sec. cor.
79.95	Intersect N. and S. line 2 lks. S. of cor. of secs. 22, 23, 26, and 27.
	Thence I run
	S. 89° 59' E. on a true line bet. secs. 23 and 26.
	Over level land.
39.98	Set a porphyry stone 4 x 7 x 18 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
79.95	The cor. of secs. 23, 24, 25 and 26.
	Land level
	Soil alkali; 4th rate.
	No timber.

Subdivision of T7N. R13W.

Chains	Knowing from previous retracement of E. bdy of Tp. that a closing cor. bet secs. 24 and 25. will be necessary I run
	East on a true line bet secs. 24 and 25
	Over level land.
40.00	Set a porphyry stone 5x7x16 ins: 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft. dist: and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
91.44	Intersect E. bdy of Tp 19.62 chs S. 0° 21' E. of cor. of secs. 19. 24. 25 and 30. heretofore described.
	Set a porphyry stone 5x7x16 ins: 11 ins. in the ground for closing cor. of secs. 24 and 25. marked C.C. on W. with 2 grooves on S. and 4 grooves on N. face; dig pits 24x18x12 ins. crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist: and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	I destroy all marks on old cor. pertaining to secs. 24 and 25.
	Land level.
	Soil, alkali; 4th rate.
	Hotmiker.
	N. 0° 04' E. bet secs. 23 and 24.
	Over level land.
40.00	Set a porphyry stone 6x6x14 ins. 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
80.00	Set a porphyry stone 5x7x16 ins, 11 ins.

Chains.	
	in the ground for cor. of secs. 13, 14, 23, and 24. marked with 3 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level. Soil, alkali; 4th rate. Timber.
	N. 89° 59' W. on a random line bet. secs 14 and 23.
40.00	Set temp. ¼ sec. cor.
79.90	Intersect N. and S. line 2 lks N. of cor. of secs. 14, 15, 22, and 23. Thence from East on a true line bet. secs. 14 and 23. Over level land.
39.95	Set a porphyry stone 3" x 7 x 15 ins; 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
79.90	The cor. of secs. 13, 14, 23 and 24. Land level, Soil alkali; 4th rate. Timber.
	Knowing from previous retracement of E. bdy of Tp. that a closing cor. bet. secs. 18 and 24 will be necessary from East on a true line bet secs 13 and 24. Over level land
40.00	Set a porphyry stone 3" x 7 x 15 ins; 10 ins. in the ground for ¼ sec. cor.

Chains	marked 1/4 on N. face; dig pits 18x18x12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
91.03	Intersect E. bdy of Tp. 19.76 chs S 0°17' E. of cor. of secs. 13, 18, 19, and 24 heretofore described.
	Set a porphyry stone 4x8x18 ins. 12 ins. in the ground for closing cor. of secs. 13 and 24 marked C.C. on W. with 3 grooves on S. and 3 grooves on N. face; dig pits 24x18x12 ins. crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	I destroy all marks on old cor. pertaining to secs 13 and 24.
	Land level
	Soil alkali; 4th rate.
	No timber.
	June 20.
	At the cor. of secs. 13, 14, 23, and 24.
	I set off 23°27' N. on the decl. arc. and at 12h 00m m. l. m. t. observe the sun on the meridian.
	The resulting lat. is 41°20'.
	N. 0°04' E. bet. secs 13 and 14.
	Over level land.
40.00	Set a porphyry stone 5x7x16 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
45.00	Leave level land. enter sand knolls.
70.00	Leave sand knolls.
80.00	Set a porphyry stone 5x7x16 ins. 11 ins

Chains	in the ground for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edge; dig pits 18 X 18 X 12 ins in each sec. 3 1/2 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high N. of cor. Land level and rolling. Soil alkali; and sandy; 4th rate. No timber.
	Set on a random line bet secs. 11 and 14.
40.00	Set temp. 1/4 sec. cor.
79.80	Intersect N. and S. line 2 lks N. of cor. of secs. 10, 11, 14, and 15. Thence I run N. 89° 59' E. on a true line bet secs. 11 and 14. Over level land.
39.90	Set a porphyry stone 5 X 8 X 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
46.00	Lease level land, enter sand knolls.
75.00	Lease sand knolls.
79.80	The cor. of secs. 11, 12, 13, and 14. Land level, and rolling. Soil, alkali and sandy; 4th rate. No timber.
	Knowing from previous retracement of E. bdy of Tp. that a closing cor. bet secs. 12 and 13 will be necessary I run East on a true line bet secs. 12 and 13. Over level land.

Chains.	
40.00	Set a porphyry stone 3 x 7 x 16 ins.; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
55.00	Enter sand knolls.
90.55	Intersect E. bdy of T 7 N. 21.02 chs. S 0° 20' E. of cor. of secs. 7, 12, 13, and 18, heretofore described.
	Set a porphyry stone 5 x 7 x 16 ins.; 11 ins in the ground for closing cor. of secs. 12 and 13, marked C. C. on N. with 4 grooves on S. and 2 grooves on N. face; dig pits 24 x 18 x 12 ins. crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Destroy all marks on old cor. pertaining to secs. 12 and 13.
	Land level and rolling.
	Soil alkali and sandy; 4th rate.
	No timber.

	N. 0° 04' E. bet secs. 11 and 12
	Over level land.
10.00	Enter sand knolls.
40.00	Set a porphyry stone 5 x 7 x 15 ins.; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
70.00	Leave sand knolls.
80.00	Set a quartzite stone 5 x 8 x 14 ins.; 9 ins. in the ground for cor. of secs. 1, 2, 11, and 12, marked with 3 notches on S. and 1 notch on E. edge; dig pits

Chains	
	18 x 18 x 12 ins. in each sec. 5 1/2 Ft. dist; and raise a mound of earth 4 Ft base, 2 Ft. high W. of cor.
	Land level, and rolling.
	Soil, alkali, and sandy: 4th rate.
	No timber.
	S. 89° 59' W. on a random line bet. secs 2 and 11.
40.00	Set temp 1/4 sec. cor.
79.80	Intersect N. and S. line 9 lks N. of cor. of secs. 2, 3, 10, and 11.
	Thence I run
	N. 89° 55' E. on a true line bet secs 2 and 11.
	Over level land.
39.90	Set a porphyry stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: dig pits 18 x 18 x 12 ins. E. and W. of stone 3 Ft. dist; and raise a mound of earth 3 1/2 Ft. base 1 1/2 Ft. high N. of cor.
79.80	The cor of secs 1, 2, 11, and 12.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	Knowing from previous retracement of E. bdy of Tp. that a closing cor. bet. secs. 1 and 12. will be necessary.
	I run
	East on a true line bet secs 1 and 12.
	Over level land.
15.00	Enter sand knolls.
40.00	Set a quartzite stone 4 x 9 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face: dig pits 18 x 18 x 12 ins. E. and W. of stone 3 Ft. dist; and

Chains	
	raise a mound of earth 3½ ft. base. 1½ ft. high N. of cor.
89.83	Intersect E. bdy of Tp. 21.70 chs. S 0°25' E. of old cor. of secs. 1, 6, 7, and 12. heretofore described.
	Set a quartzite stone 5x8x14 ins; 9 ins in the ground for closing cor. of secs 1 and 12. marked C.C. on W. with 5 grooves on S. and 1 groove on N. face; dig pits 24x18x12 ins. crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	I destroy all marks on old cor. pertaining to secs 1 and 12.
	Land level, and rolling.
	Soil alkali, and sandy. 4th rate
	No timber.
	Knowing from survey of N. bdy of Tp. that a closing cor. bet. secs. 1 and 2 will be necessary.
	I run
	N. 0°04' E. on a true line bet. secs. 1 and 2.
	Over level land.
35.00	Enter sand knolls.
40.00	Set a quartzite stone 5x8x15 ins; 10 ins in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18x18x12 ins; N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.
89.60	Intersect N. bdy of Tp. 8.66 chs W. of cor. of secs. 1, 2, 35, and 36. heretofore described.
	Set a quartzite stone 5x7x16 ins; 11 ins. in the ground for closing cor. of secs. 1 and 2. marked C.C. on S.

with 1 groove on E. and 3 grooves on W. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and W. 3 ft. and S. 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. 7 cor. I destroy all marks on original cor. pertaining to secs. 1 and 2.
Land level and rolling.
Soil alkali and sandy; 4th rate.
No timber.

June 20, 1903.

June 20. After completing the subdivision of T 7 N. R 13 W. I examine the adjustments of the transit, and correct the level and collimation errors, then to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours with a meridian determined by observations on Polaris.
I proceed as follows
At my camp which is near the S. 1/4 sec. 16 T 7 N. R 13 W. Latitude 41° 20' N. Longitude 113° 20' W.
At 1h 35m a. m. l. m. t. I observe Polaris at eastern elongation in accordance with the Manual of Instructions. and mark a point on the line thus determined on a peg driven in the ground 5.00 chs N. of my station.

June 21, 1903.

June 21. At 8h 00m a. m. l. m. t. I lay off the azimuth of Polaris 1° 37' to the west and mark the meridian thus determined by a small nail driven in a hub set 5.00 chs N. of my station.

At 8h 15m a. m. l. m. t. I set off 41°20' on the lat. arc. 23°27' N. on the decl. arc and mark a point in the meridian determined with the solar by a tack driven in the hub already set 5.00 chs N. of my station.
This mark falls 0.3 link East of the meridian established by the Polaris observation

At 2h 00m p. m. l. m. t. I set off 41°20' on the lat. arc. 23°27' N. on the decl. arc. and mark a point in the meridian determined with the solar by a pencil mark on the hub already set 5.00 chs north of my station; this mark falls 0.3 link west of the meridian established by the Polaris observation.
The solar apparatus by p. m. and a. m. observations defines positions for meridians respectively about 0'16" East and 0'1" West of the meridian established by the Polaris observation. Therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 2h 30m p. m. l. m. t. is N. 17°30' W.
The angle thus determined gives the mag. decl. 17°30' E.

General Description.

The soil in this Tp. consists mostly of alkali flat.
The northeastern portion is sandy and alkali being of a rolling character and covered with sand knolls.

Alkali water can be found within
10 to 15 Ft. of the surface.
There is no vegetation except
scattering mile sage and shad
scale on northeastern portion.
The Central Pacific Ry. known
as the Lucin Cut-Off crosses
the southern part of Tp. in a
southeasterly and northwesterly
direction.
There are no petties or indications
of minerals in this Tp.

Alfredo R Talamantes
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Alfredo R Talamantes ..... United States Deputy Surveyor, to assist in running, measuring, and king the lines and corners described in the foregoing field notes of the survey of the subdivision T.7N., R15W.; T5N., R15W; T6N., R14W; T8N., R14W and T.7N., R13W. Salt Lake Base and Meridian, Utah

wing the respective capacities in which they acted:

Geo. M. P. Dougall ....., Chainman.

James S. Houty ....., Chainman.

Wilbur D. Rowland ....., Moundman.

..... , Moundman.

..... , Axman.

..... , Axman.

Ralph A. Groesbeck ....., Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Alfredo R. Talamantes ..... United States Deputy Surveyor, in surveying all e parts or portions of the Subdivision of T7N, R15W; T5N, R15W; 6N, R14W; T8N, R14W and T.7N, R13W. ..... of the Salt e Base and meridian, State of Utah, which are represented e foregoing field notes as having been surveyed by him and under his direction; and that said survey been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the er monuments established, according to the instructions furnished by the United States Surveyor eral for Utah

Geo. M. P Dougall ....., Chainman.

James S. Houty ....., Chainman.

Wilbur D Rowland ....., Moundman.

..... , Moundman.

..... , Axman.

..... , Axman.

Ralph A. Groesbeck ....., Flagman.

cribed and sworn to before me this 6 day of July 1903, 189

SEAL

Sleigh M Dougall
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Alfredo R Talamantes, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward A Rudebaugh United States Surveyor General for the State of Utah, bearing date of the 23 day of March 1903, 189 , 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 the State of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisional Lines of Township 7 North Range 13 West, Township 5 North Range 15 West, Township 6 North Range 14 West, Township 8 North Range 14 West and Township 7 North Range 13 West of the Salt Lake Base and Meridian, in the State of Utah, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the State of Utah and in the specific manner described in the field notes, and that the foregoing are the original 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.

Alfredo R Talamantes
United States Deputy Surveyor

Subscribed by said Alfredo R Talamantes and sworn to before me this 23rd day of November 1903, 189

SEAL

Edward A Rudebaugh
U S Surveyor General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah March 5, 1904, 189

The foregoing field notes of the survey of the Subdivisional lines of Township 7 North Range 13 West of the Salt Lake Base and Meridian, Utah

executed by Alfredo R Talamantes & John M Driggs under his contract No. 202, dated March 23 1903, 189 , having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Edward A Rudebaugh
United States Surveyor General

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

United States Surveyor General

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BOOK A-300

K.

FIELD NOTES

OF THE ~~SURVEY~~ retracement OF THE

East Boundary

of

T8N., R13W.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Alfredo R. Talamantes & John W. Dougall United States Deputy Surveyors.

~~his~~ their Contract No. 262, dated March 23, 1903, ~~189~~

~~Survey~~ Resurvey commenced June 20, 1903; ~~189~~

~~Survey~~ Resurvey completed June 21, 1903, ~~189~~

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Lw 6.02.47

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

John H. Chase	Chainman
William H. Evans	Chainman
Alvin B. Vonarx	Rodman.
Thomas M. Gallup.	Flagman.

BOOK A-300

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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

We, John W. Chase and William M. Evans, do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths 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 retracement of East Bdy. T8N., R13W of the Salt Lake Base and Meridian Utah.

John W Chase, Chainman.

William M. Evans, Chainman.

Subscribed and sworn to before me this 25 day of April 1903.

Hugh M. Dougall
Notary Public

SEAL

We, Otto B. Vonarx and ..... do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the retracement of East Bdy. T8N., R13W. of the Salt Lake Base and Meridian Utah.

Otto B. Vonarx, Moundman.

....., Moundman.

Subscribed and sworn to before me this 25 day of April 1903.

Hugh M. Dougall
Notary Public

SEAL

We, ... and ..... do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of .....

....., Axman.

....., Axman.

Subscribed and sworn to before me this ..... day of ....., 189

.....

SEAL

I, Thomas M. Gallup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the retracement of East Bdy. T8N., R13W. of the Salt Lake Base and Meridian, Utah.

Thomas M. Gallup, Flagman.

Subscribed and sworn to before me this 25 day of April 1903.

Hugh M. Dougall
Notary Public

SEAL

6—151

East Bdy. of T 8 N., R 13 W.

Retracement commenced June 20, 1903. and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limb having two double verniers placed opposite to each other reading to single minutes of arc.
The instrument was examined tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general for Utah April 30, 1903.
I examine the adjustments of the transit and correct the level and collimation errors, then to test the solar apparatus, by comparing its indications, resulting from solar observations made during p.m. and a.m. hours with a meridian determined by observations on Polaris.
I proceed as follows.
At the cor. of Ps. 7 and 8 N. R 12 W. as heretofore described and in lat. 41°23' N. longitude 113°17' W. I set off 41°33' N. on the lat arc, 23°27' N. on the decl. arc. and at 4h 00m p.m. l.m.t. determine with the solar a meridian and mark a point thereof on a plug driven in the ground 5.00 chs. N. of cor.

June 20, 1903.

June 21: At 1h 35m a.m. l.m.t. observe Polaris at Eastern elongation in accordance with Manual of Instructions and mark a true meridian thus determined by a small nail driven in a hub set 5.00 chs N. of cor.

June 21: At 7h 30m a.m. l.m.t. I lay off the azimuth of Polaris 1°37' to the west. and mark the meridian thus

determined by a small tack driven in the hub set June 20, on which the meridian falls 0.1 inc W. of the mark determined with the solar.

At 8h 00m a.m. l.m. t. I set off 41°23' N. on the lat. arc. 23°27' N. on the decl. arc. and mark a point on the meridian determined with the solar by a pencil mark on the stake set 5.00 chs N. of cor.
This mark falls 0.2 inc W. of the meridian established by the Polaris observations.
The polar apparatus by p.m. and a.m. observations defines positions for meridians about 0'06" east and 0'11" west of the meridian established by the Polaris observation; therefore I conclude that the adjustments of the instrument are satisfactory.
The magnetic bearing of the true meridian at 8h 10m a.m. is N. 17°30' W.
The angle thus determined gives the mag. decl. 17°30' E.

Preliminary to commencing the subdivision of this township. I run North on a blank line on W. bdy sec 31 T 8 N. R 12 W.
At 40.57 chs fall 30 lks E. of old 1/4 sec. cor. and at 80.98 chs fall 49 lks E. of old cor of secs 25, 30, 31 and 36. therefore I continue my blank line North, and find no part of E. bdy of T 8 N. R 13 W. in alinement and measurements defective.
At 6 miles 2.47 chs. falls 1.93 chs East of old standard cor. of T. 9 N. Rs 12 and 13 W. which is a sandstone 8 x 12 x 10 ins. above ground marked and witnessed as described by the surveyor general.
June 21. At this cor I set off 23°27' N. on the decl. arc. and at 12h 00m m.

East Bdy of T 8 N., R 13 W.

Chains	
	l.m.t. observe the sun on the meridian. The resulting lat is 41° 28' N.
	I therefore return to cor of Tps. 7 and 8 N. R 12 W. heretofore described and retrace E. bdy of T 8 N. R 13 W. as follows
	North bet secs. 31 and 36.
	Over mountainous land; along broken west slope.
40.57	Fall 30 lks E. of old 1/4 sec. cor. which is a limestone 6 x 10 x 6 ins. above ground marked and witnessed as described by the surveyor general.
	Course of line bet. cors. is therefore N. 0° 23' W. and dist. 40.57 chs.
73.00	Spur projects W. Descend.
80.98	Fall 47 lks E. of old cor of secs. 25, 30, 31 and 36. which is a sandstone 9 x 14 x 7 ins above ground marked and witnessed as described by the surveyor general.
	Course of line bet. cors. is therefore N. 0° 16' W. and dist. 40.41 chs.
	Land mountainous.
	Soil alkali and rocky; 4th rate.
	Timber.
	Mountainous land 80.98 chs.

	From old cor of secs. 25, 30, 31 and 36.
	Run
	North bet secs. 25 and 30.
	Over mountainous land.
	Descend.
1.80	Bottom of hollow drains W.
	Ascend.
11.00	Spur projects N. W.
	thence over broken W. slope.
40.26	Fall 15 lks E. of old 1/4 sec. cor. which is a sandstone 7 x 10 x 8 ins above

East Bdy of T8 N., R13 W.

Chains	
	ground. marked and witnessed as described by the surveyor general. Course of line bet. cors. is therefore N. 0°13' W. and dist. 40.26 chs.
80.42	Fall 36 lks E. of old cor. of secs 19, 24, 25, and 30. which is a sandstone 10 x 12 x 10 ins above ground, marked and witnessed as described by the surveyor general. Course of line bet. cors. is therefore N. 0°18' W. and dist. 40.16 chs. Land mountainous. Soil rocky and alkali; 4th rate. Timber. Mountainous land 80.42 chs.
	From old cor of secs. 19, 24, 25 and 30. I run North bet. secs. 19 and 24. Over mountainous land.
40.36	Fall 18 lks E. of old 1/4 sec. cor. which is a sandstone 6 x 8 x 6 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 0°15' W. and dist 40.36 chs.
80.46	Fall 32 lks E. of old cor of secs. 13, 18, 19, and 24. which is a sandstone 14 x 15 x 10 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 0°12' W. and dist 40.10 chs. Land mountainous. Soil rocky and alkali; 4th rate. Timber. Mountainous land 80.46 chs.

East Bdy of Tp 8 N. R 13 W.

Chains	
	From old cor of secs 13, 18, 19 and 24.
	I run
	North bet secs 13 and 18.
	Over rolling land.
40.33	Fall 21 lks E of old 1/4 sec. cor which is a sandstone 6 x 12 x 8 ins above ground, marked and witnessed as described by the surveyor general.
	Course of line bet cors is therefore N. 0° 18' W. and dist 40.33 chs.
80.37	Fall 42 lks E of old cor of secs. 7, 12, 13 and 18, which is a sandstone 8 x 10 x 8 ins. above ground, marked and witnessed as described by the surveyor general.
	Course of line bet. cors. is therefore N. 0° 18' W. and dist 40.04 chs.
	Land rolling.
	Soil alkali, 4th rate.
	No timber.

	From old cor. of secs. 7, 12, 13 and 18.
	I run
	North bet. secs. 7 and 12.
40.04	Fall 17 lks E of old 1/4 sec. cor. which is a quartzite stone 10 x 12 x 6 ins. above ground, marked and witnessed as described by the surveyor general.
	Course of line bet. cors is therefore N. 0° 15' W. and dist 40.04 chs.
79.90	Fall 31 lks E of old cor of secs. 1, 6, 7 and 12. which is a conglomerate stone 12 x 12 x 8 ins above ground marked and witnessed as described by the surveyor general.
	Course of line bet. cors. is therefore N. 0° 12' W. and dist. 39.86 chs.
	Land level.

East Bdy of T8 N., R13 W.

Chains	Soil alkali; 4th rate.
	Fortimber.
	Grow old cor of secs 1, 6, 7, and 12.
	Iron
	North bet secs. 1 and 6.
	Over level land.
40.27	Tall .05 lks E. of old 1/4 sec. cor. which is a limestone 6 x 12 x 6 ins above ground marked and witnessed as described by the surveyor general.
	Course of line bet cors. is therefore N. 0° 04' W. and dist 40.27 chs.
80.34	Tall .05 lks E. of old Standard cor. of Tp 9 N. Rs 12 and 13 W. heretofore described.
	Course of line bet cors: is therefore North and dist. 40.07 chs
	Land level.
	Soil alkali; 4th rate.
	Fortimber

June 21, 1903.

General Description.

For general description see notes of subdivision of T8 N., R13 W.

John W. Dougall
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, United States Deputy Surveyor, to assist in running, measuring, and ...king the lines and corners described in the foregoing field notes of the retracement ~~survey~~ of ...st Bdy. T8N., R13W. of the Salt Lake Base and Meridian ...ah, ...ing the respective capacities in which they acted:

John W. Chase, Chainman.
William W. Evans, Chainman.
Otto B. Vonarx, Moundman.
..., Moundman.
..., Axman.
..., Axman.
Thomas M. Galup, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States Deputy Surveyor, in retracing ~~surveying~~ all parts or portions of the East Bdy. T8N., R13W. of the Salt ...e Base and meridian, State of Utah, which are represented ...e foregoing field notes as having been retraced ~~surveyed~~ by him and under his direction; and that said retracement ~~survey~~ ...een in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the ...r monuments established, according to the instructions furnished by the United States Surveyor ...ral for Utah.

John W. Chase, Chainman.
William W. Evans, Chainman.
...to B. Vonarx, Moundman.
..., Moundman.
..., Axman.
..., Axman.
Thomas M. Galup, Flagman.

...ribed and sworn to before me this 6 ...ay of July 1903 } Hugh McDougall
Notary Public

SEAL

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W. Dougall, United States Deputy Surveyor, d
solemnly swear that, in pursuance of a contract received from Edward Anderson
United States Surveyor General for The State of Utah, bearing date of th
23rd day of March 1903, 189, I have well, faithfully, and truly, in my ow
proper person, and in strict conformity with the instructions furnished by the United States Surveyo
General for The State of Utah, the Manual of Surveying Instructions, and the laws of th
United States, ~~surveyed~~ replaced all those parts or portions of the East Boundary of
Township 8 North Range 13 West

of the Salt Lake
Base and meridian, in the State of Utah, which are represented in th
foregoing field notes as having been ~~surveyed~~ replaced by me, and under my direction; and I do further solemn
swear that all the corners of said survey have been established and perpetuated in strict accordance wit
the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo
General for The State of Utah and in the specific manner described in the field notes, and th
the foregoing are the original field notes of such ~~survey~~ replacement; and should any fraud be detected, I will suff
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John W. Dougall
United States Deputy Surveyo

Subscribed by said John W. Dougall, and sworn to before me
this 30th day of December 1903, 189

SEAL

Edward M. Anderson
U. S. Surveyor-General
for Utah

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 5, 1904, 189

The foregoing field notes of the ~~survey~~ replacement of the East Boundary of
Township 8 North Range 13 West of the Salt Lake Base
and Meridian, Utah

executed by C. Alfredo Valamonte & John W. Dougall
under ~~his~~ their contract No. 262, dated March 23 1903, 189, having been
critically examined, and the necessary corrections and explanations made, the said field notes, and the
~~surveys~~ replacements they describe, are hereby approved.

Edward M. Anderson
United States Surveyor General.

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

United States Surveyor General.

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BOOK A-300

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NOV 30 1903

H.

FIELD NOTES

OF THE ~~SURVEY~~ retracement OF THE

2nd Standard Parallel North

through

R. 13 W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

...edo R. Talamantes and John W. Dougall, United States Deputy Surveyors

...ler ~~his~~ their Contract No. 262, dated March 23, 1903, ~~189~~

...acement ~~...vey~~ commenced June 22, 1903, ~~189~~

...acement ~~...vey~~ completed June 22, 1903, ~~189~~

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BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

John H. Chase.	Chainman.
William H. Evans.	Chainman.
Otto B. Vonarx.	Moundman
Thomas M. Gallup.	Flagman

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BOOK A-300

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18	17	16	15	14	13
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30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, John W. Chase and William W. Evans

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha we will report the true distances to all notable objects, and the true lengths of all lines that we assist i measuring, to the best of our skill and ability, and in accordance with instructions given us, in the ~~survey~~ retracem o 2nd Standard Parallel North through R.13 W. of the S.L.B. & M. Uta

John W. Chase, Chainman

William W. Evans, Chainman

Subscribed and sworn to before me this 25 day of April 1903 189

Hugh McDougall
Notary Public

SEAL

~~WE,~~ I Otto B. Vonarx ~~and~~

do solemnly swear that ~~we~~ I will well and truly perform the duties of moundman in the establishmen of corners, according to the instructions given ~~us~~ me, to the best of ~~our~~ my skill and ability, in the ~~survey~~ retracemen 2nd Standard Parallel North through R.13 W. of the S.L.B. & M. Utah

Otto B. Vonarx, Moundman

, Moundman

Subscribed and sworn to before me this 25 day of April 1903 189

Hugh McDougall
Notary Public

SEAL

WE, and

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corner and other duties, according to instructions given us, to the best of our skill and ability, in the survey o

, Axman

, Axman

Subscribed and sworn to before me this day of , 189

SEAL

I, Thomas M. Gallup, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the ~~survey~~ retracement of 2nd Standard Parallel North through R.13 W. of the S.L.B. & Utah.

Thomas M. Gallup, Flagman.

Subscribed and sworn to before me this 25 day of April 1903 189

Hugh McDougall
Notary Public

SEAL

6—151

Retracement commenced June 22, 1903. and executed with a W. and L. E. Gurley light mountain transit with solar attachment. The horizontal limit having two double verniers, placed opposite to each other reading to single minutes of arc.
For complete test of solar apparatus see Book Z.

June 22. at 8h 00m a.m. l.m.t. I set off 41° 28' N. on the lat arc. 23° 28' N. on the decl. arc. and determine a true meridian with the solar at the old Standard cor. of Tps 9 N. Rs 13 and 14 W. heretofore described. and preliminary to commencing the subdivision of this township. I run East on a blank line on S. bdy. sec. 31, at 40.50 fall .33 like S. of old Standard 1/4 sec. cor. and at 81.03 chs fall 1.26 chs South of old Standard cor of secs. 31 and 32. Therefore I continue my blank line East and find no part of the 2nd Standard Parallel N. through R 13 W. in alignment, and measurements defective. At 6 miles 4.19 chs intersect N. and S. line 6.40 chs South of old Standard cor of Tps 9 N. Rs 12 and 13 W. The same being a lava stone 15 x 13 x 6 ins. above ground marked and witnessed as described by the surveyor general.
June 22. at this cor. I set off 23° 28' N. on the decl. arc. and at 12h 00m m. l.m.t. observe the sun on the meridian The resulting lat is 41° 28'.

I therefore return to old Standard cor. of Tps 7 N. Rs 13 and 14 W. heretofore described. and retrace 2nd Standard

Chains	Parallel N. through R. 13 W. as follows
	East on S. boly. sec. 31.
	Over level land.
40.50	Fall 33 lks S. of old Standard 1/4 sec. cor. which is a trachyte stone 6 x 6 x 5 ins. above ground marked and witnessed as described by the surveyor general.
	Course of line to cor. is therefore N. 89° 14' E. and dist. 40.51 chs.
81.03	Fall 1.26 chs S. of old Standard cor of secs. 31 and 32. which is a limestone 5 x 12 x 5 ins above ground marked and witnessed as described by the surveyor general.
	Course of line to cor. is therefore N. 89° 00' E. and dist. 40.54 chs.
	Land level.
	Soil alkali; 4th rate.
	No timber.

	From old Standard cor. of secs. 31 and 32. Ground
	East on S. boly sec 32.
	Over level land.
40.94	Fall 60 lks S. of old Standard 1/4 sec cor. which is a limestone 5 x 12 x 5 ins above ground marked and witnessed as described by the surveyor general.
	Course of line to cor. is therefore N. 89° 10' E. and dist 40.94 chs.
81.47	Fall 1.04 chs S. of old Standard cor of secs. 32 and 33. which is a limestone 8 x 10 x 5 ins above ground marked and witnessed as described by the surveyor general,
	Course of line to cor. is therefore N. 89° 28' E. and dist. 40.58 chs.
	Sandlevel. Soil alkali 4th rate. No timber

2nd Standard Parallel N. through R 13 W.

Chains	
	From old Standard cor. of secs 32 and 33. Run East on S. bdy. sec 33. Over level land.
40.65	Fall 6 lks E. of old Standard 1/4 sec. cor. which is a limestone 5 x 8 x 4 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 89° 03' E. dist. 40.66 chs.
45.00	Leave flat. Ascend.
56.50	Top of ascent. Descend gently over rolling land.
80.92	Fall 1.1 chs S. of old Standard cor of secs. 33 and 34. which is a conglomerate stone 8 x 10 x 6 ins above ground marked and witnessed as described by the surveyor general. Course of line bet. cors. is therefore N. 89° 22' E. and dist 40.27 chs. Land level and rolling Soil alkali; 4th rate. No timber.

Chains	
	From old Standard cor of secs 33 and 34. Run East on S. bdy sec 34. Over rolling land.
40.41	Fall 29 lks E. of old Standard 1/4 sec. cor. which is a lava stone 6 x 8 x 6 ins. above ground, marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 89° 33' E. and dist. 40.41 chs.
80.62	Fall 69 lks S. of old Standard cor. of secs. 34 and 35. which is a lava stone 10 x 12 x 6 ins above ground marked and witnessed as described by the surveyor general. Course of line bet. cors. is therefore N. 89° 26' E. and dist 40.21 chs. Land rolling. Soil alkali; 4th rate. No timber.

Chains	
	From old Standard cor of secs 34 and 35. Ir[illegible] East on S. bdy sec. 35. Over rolling land.
40.25	Fall 30 lks S. of old Standard 1/4 sec. cor which is a lava stone 4x12x6 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 89° 34' E. and dist 40.25 chs.
80.47	Fall 66 lks S. of old Standard cor of secs. 35 and 36. which is a lava stone 3x10x5 ins above ground marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 89° 29' E. and dist 40.22 chs. Land rolling. Soil alkali; 4th rate. No timber.
	From old Standard cor of secs 35 and 36. Ir[illegible] East on S. bdy sec. 36. Over rolling land.
40.59	Fall 71 lks S. of old Standard 1/4 sec. cor. which is a lava stone 4x10x6 ins above ground, marked and witnessed as described by the surveyor general. Course of line bet cors. is therefore N. 89° 00' E. and dist. 40.60 chs.
80.37	Fall 1.33 chs S. of old Standard cor of Tp. 9 N, R12 and 13 W. heretofore described. Course of line bet cors. is therefore N. 89° 06' E. and dist 39.79 chs. Land rolling. Soil alkali; 4th rate. No timber.

June 22 1903

2nd Standard Parallel N. through R. 13 W.

Latitudes, Departures, and Closing Errors.

Line Designated.		True Bearing	Dist	Latitudes.		Departures	
				N.	S.	E.	W.
			Chs.	Chs.	Chs.	Chs.	Chs.
W. Bdy. T 8 N., R 13 W		North	488.25	488.25			
2nd Stand Parallel N through R. 13 W.							
S. Bdy	Sec. 36	N89°06'E	1.89	0.03		1.89	
2nd Stand. Parallel N. through R 13 W.							
S. Bdy.	Sec. 31.	N89°14'E	40.51	0.55		40.50	
S. Bdy.	Sec 31.	N89° E	40.54	0.71		40.53	
S. Bdy.	Sec 32.	N89°10'E	40.94	0.60		40.94	
S. Bdy.	Sec. 32.	N89°23'E	40.53	0.44		40.53	
S. Bdy.	Sec. 33.	N89°03'E	40.66	0.67		40.65	
S. Bdy.	Sec. 33.	N89°22'E	40.27	0.44		40.27	
S. Bdy.	Sec. 34.	N89°35'E	40.41	0.29		40.41	
S. Bdy.	Sec. 34.	N89°26'E	40.21	0.40		40.21	
S. Bdy.	Sec. 35.	N89°34'E	40.25	0.30		40.25	
S. Bdy.	Sec. 35.	N89°29'E	40.22	0.36		40.21	
S. Bdy.	Sec. 36.	N89°06'E	40.60	0.71		40.59	
S. Bdy.	Sec. 36,	N89°06'E	39.79	0.62		39.78	
W. Bdy.	T 8 N R 12 W.						
W. Bdy.	Sec. 6.	South	40.07		40.07		
W. Bdy.	Sec. 6.	S0°04'E	40.27		40.27	0.05	
W. Bdy.	Sec. 7,	S0°12'E	39.86		39.86	0.14	
W. Bdy.	Sec. 7.	S0°15'E	40.04		40.04	0.17	
W. Bdy.	Sec. 18.	S0°18'E	40.04		40.04	0.21	
W. Bdy.	Sec. 18	S0°18'E	40.33		40.33	0.21	
W. Bdy.	Sec. 19	S0°12'E	40.10		40.10	0.14	
W. Bdy.	Sec. 19	S0°15'E	40.36		40.36	0.18	
W. Bdy.	Sec. 30.	S0°18'E	40.16		40.16	0.21	
W. Bdy.	Sec. 30.	S0°13'E	40.26		40.26	0.15	
W. Bdy.	Sec. 31.	S0°16'E	40.41		40.41	0.19	
W. Bdy.	Sec. 31	S0°25'E	40.57		40.57	0.30	
T. 8 N.,	R 12 W.						
W. Bdy.	Sec. 6	S0°22'E	12.23		12.23	0.08	
S. Bdy.	T 8 N., R 13 W.	West	488.70				488.70
Convergency						0.64	
Totals				494.37	494.70	488.43	488.70
					494.37	488.70	
Error in Lat.					0.33	0.73	Error in Dep.

2nd Standard Parallel N. through R 13 W.

General Description

For general description see notes of subdivision T 8 N., R 13 W.

Dougall

John W. Dougall
U. S. Deputy Surveyor

Volume
#
R0300

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John W. Dougall, United States Deputy Surveyor, to assist in running, measuring, and ...ing the lines and corners described in the foregoing field notes of the ~~survey~~ retracement of ... Standard Parallel North through R.13W. of the S.L.B. and M. Utah. ...ing the respective capacities in which they acted:

John W. Chase, Chainman.
William W. Evans, Chainman.
Otto B. Vonarx, Moundman.
..., Moundman.
..., Axman.
..., Axman.
Thomas M. Gallup, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John W. Dougall, United States Deputy Surveyor, in ~~surveying~~ retracing all parts or portions of the 2nd Standard Parallel North through R.13W. ... of the Salt ... Base and meridian, State of Utah, which are represented ... foregoing field notes as having been ~~surveyed~~ retraced by him and under his direction; and that said ~~survey~~ retracement ... been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the ...r monuments established, according to the instructions furnished by the United States Surveyor ...ral for Utah

John W. Chase, Chainman.
William W. Evans, Chainman.
Otto B. Vonarx, Moundman.
..., Moundman.
..., Axman.
..., Axman.
Thomas M. Gallup, Flagman.

...cribed and sworn to before me this 6 day of July 1903, 189...

Hugh M. Dougall
Notary Public

SEAL

...51.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W Dougall, United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from Edward H Anderson United States Surveyor General for the State of Utah, bearing date of th 23rd day of March 1903, ~~189~~, I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for the State of Utah, the Manual of Surveying Instructions, and the laws of th United States, ~~surveyed~~ retraced all those parts or portions of the Second Standard Parallel North through Range 13 West

of the Salt Lake Base and meridian, in the State of Utah, which are represented in th foregoing field notes as having been ~~surveyed~~ retraced by me, and under my direction; and I do further solemn swear that all the corners of said survey have been established and perpetuated in strict accordance wi the Manual of Surveying Instructions, and the special written instructions of the United States Survey General for the State of Utah and in the specific manner described in the field notes, and th the foregoing are the original field notes of such ~~survey~~ retracement; and should any fraud be detected, I will suff the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John W. Dougall
United States Deputy Surveyo

Subscribed by said John W Dougall, and sworn to before me this 30th day of November 1903, ~~189~~

Edward H Anderson
U. S. Surveyor General for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah March 5, 1904, 189

The foregoing field notes of the ~~survey~~ retracement of the Second Standard Parallel North through Range 13 West of the Salt Lake Base & Meridian, Utah

executed by Alfredo R Palamantes and John W Dougall under ~~his~~ their contract No. 262, dated March 23, 1903, ~~189~~, having be critically examined, and the necessary corrections and explanations made, the said field notes, and th ~~surveys~~ retracements they describe, are hereby approved.

Edward H Anderson
United States Surveyor Genera

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

United States Surveyor Genera

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BOOK A-300

FILED

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FIELD NOTES

OF THE SURVEY OF THE

Subdivision

of

T8N., R13W.

Of the Salt Lake Base and Meridian,

State of Utah.

AS SURVEYED BY

Alfredo B. Talamantes & John W. Dougall, United States Deputy Surveyors

Under ~~his~~ their Contract No. 262, dated March 23, 1903, ~~189~~

Survey commenced June 23, 1903, ~~189~~

Survey completed June 27, 1903, ~~189~~

0—151

Lat — 1-37-77 ✓
Lon — 59-57-34 ✓

Dep — 1-06-57 ✓

61 15.11

BOOK A-300

NAMES AND DUTIES OF ASSISTANTS.

John W. Chase — Chainman.

William W. Evans — Chainman

Otto B. Vonarx. — Moundman.

Thomas M. Gallup — Flagman.

For preliminary affidavits see book I Tp 6 N R 15 W

INDEX DIAGRAM.

Township 8 N., Range 13 W.

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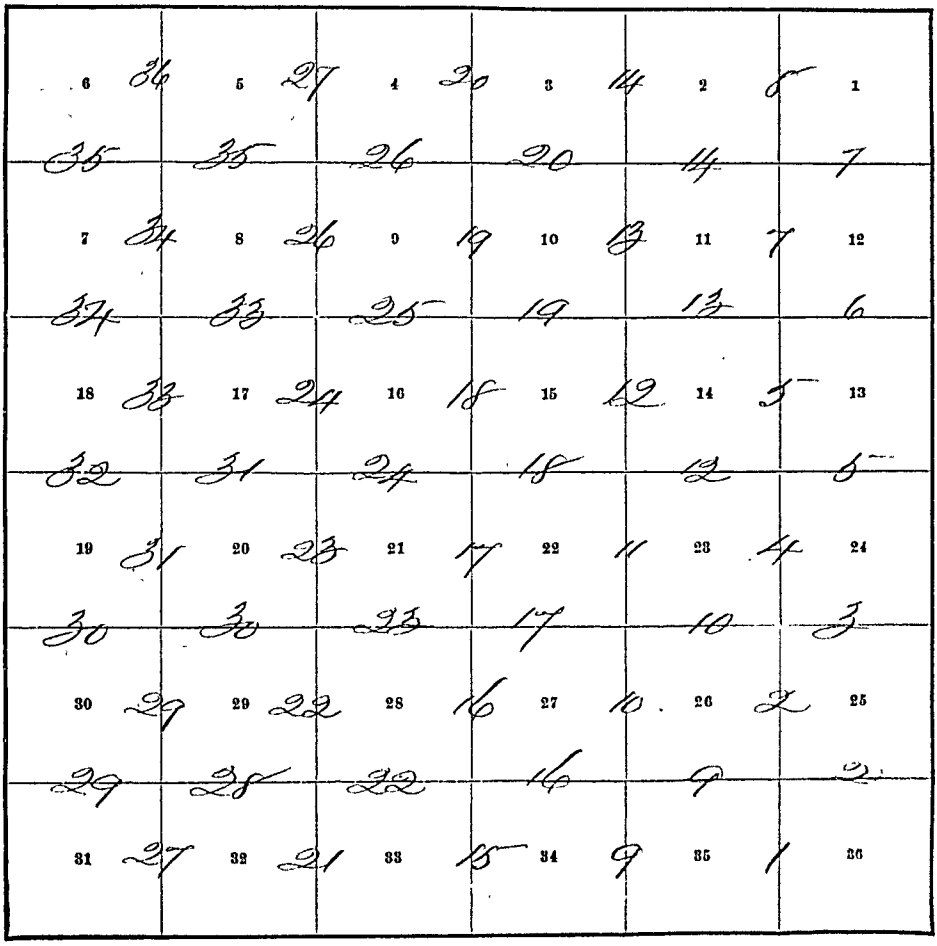
BOOK A-300

INDEX DIAGRAM.

Township 8 North, *Range* 13 West



Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

WE, _____ and _____

do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

_____

_____, *Chainm*

_____, *Chainm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of moundmen in the establishm
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Moundm*

_____, *Moundm*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

WE, _____ and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corn
and other duties, according to instructions given us, to the best of our skill and ability, in the survey

_____

_____, *Axma*

_____, *Axma*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

I, _____, do solemnly swear that I will well and tru
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in t
survey of _____

_____, *Flagma*

Subscribed and sworn to before me this _____
day of _____, 189

_____

SEAL

_____

Subdivision of T 8 N., R 13 W.

Chains.	
	Survey commenced June 23, 1903. and executed with a W. and L. E. Gurley light mountain transit with polar attachment. The horizontal limb having two double verniers placed opposite to each other reading to single minutes of arc. For complete test of polar apparatus see Book Z'
	At 8 h 00 m a. m. l. m. t. I set Polaris 41° 28' N. on the lat. arc. 23° 27' N. on the decl. arc. and determine the meridian with the polar at the cor. of secs. 35 and 36. on S. bdy of T 8 N., R 13 W. heretofore described
	Thence I run
	N. 0° 01' W. bet. secs. 35 and 36.
	Over rolling land, through sand brush and grass wood
40.00	Set a lava stone 3 x 8 x 14 ins; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a lava stone 4 x 10 x 14 ins; 9 ins in the ground for cor. of secs. 25, 26, 35, and 36, marked with 1 notch on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land rolling.
	Soil alkali and sandy; 4th rate.
	No timber.
	Scattering grass wood undergrowth.
	80.00 chs.

Chains	
	Knowing from retracement of E. bdy of T'p. that a closing cor. to sec. 25 and 36 will be necessary I run East on a true line to sec. 25 and 36 over rolling land, through sand knolls and greasewood.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high N. of cor.
	Clear sand knolls. Ascend over mountainous land.
79.55	Intersect E. bdy of T'p. 13.21 chs. S 0° 16' E. of cor. to sec. 25, 30, 31 and 36. heretofore described.
39.55 / 40.	Set a quartzite stone 6 x 10 x 18 ins; 12 ins in the ground for closing cor. to sec. 25 and 36. marked C. C. on W. with 1 groove on S. and 3 grooves on N. face; dig pits 24 x 18 x 12 ins. crosses on each line N. and S. 3 ft. and W of stone 7 ft dist; and raise a mound of earth 4 ft base, 2 ft. high W. of cor. Destroy all marks on old cor. pertaining to sec 25 and 36.
	Land rolling and mountainous. Soil alkali and sandy; 4th rate. No timber.
	Scattering greasewood undergrowth 40 chs Mountainous land 39.55 chs.

	N. 0° 01' W. 11 to set sec. 25 and 26. Over rolling land, through sand knolls and scattering greasewood.
40.00	Set a lava stone 6 x 8 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked

Chains.	
	1/4 cor. N. face; dig pits 18 X 18 X 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a lava stone 5 X 7 X 15 ins; 10 ins in the ground for cor. of secs 23, 24, 25 and 26. marked with 2 notches on S. and 1 notch on E. edge; dig pits 18 X 18 X 12 ins in each sec. 5 1/2 ft. dist, and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level and rolling.
	Soil, alkali and sandy.; 4th rate.
	No timber.
	Scattering greasewood undergrowth
80.00	chs.

Knowing from retracement of E. bdy of Tp. that a closing cor. to sec. 24 and 25 will be necessary

I pass

East on a true line to sec 24 and 25 through sand knolls and greasewood

40.00	Set a lava stone 4 X 10 X 14 ins; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
	Leave sand knolls and grease-wood enter mountainous land. ascend.
79.21	Intersect E. bdy of Tp 13.63 chs S 0° 18' E. of cor. of secs. 19, 24, 25 and 30. Therefore described
0	Set a quartzite stone 8 X 10 X 18 ins; 12 ins in the ground for closing cor. of secs. 24 and 25. marked C.C. on W. with 2 grooves on S. and 4 grooves on N. face; dig pits 18 X 18 X 12 ins crosses on

Chains	each line N. and S. 3 ft. and N. of stone 7 ft dist; and raise a mound of earth 2 ft base, 2 ft high N. of cor. I destroy all marks on old cor. pertaining to secs 24 and 25. Land level and mountainous. Soil alkali and sandy; 4th rate Timber Scattering greasewood undergrowth 40.00 chs. Mountainous land 39.21 chs.
	N. 0° 01' W. Set sec 23 and 24. Through sand knolls and greasewood.
20.00	Leave sand knolls and greasewood.
40.00	Set a lava stone 3 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor
80.00	Set a lava stone 4 x 9 x 18 ins; 12 ins in the ground for cor of secs. 13, 14, 23, and 24. marked with 3 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft dist; and raise a mound of earth 4 ft base, 2 ft high N. of cor. Land level and rolling. Soil alkali and sandy; 4th rate. Timber. Scattering greasewood, undergrowth 20.00 chs. June 23; at this cor I set off 23° 27' N on the decl. arc. and at 12h 00m p.m. l.m.t. observe the sun on the meridian the resulting lat. is 41° 23'.

Chains

Knowing from retracement of E. bdy of T 7 N. that a closing cor bet. secs 13 and 24 will be necessary.
I proc
East on a true line bet. secs 13 and 24.
Over level land.
23.00 Enter greasewood and sand knolls.
40.00 Set a lava stone 5 x 8 x 14 ins: 9 ins in the ground for 1/4 sec. cor: marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor. Leave sand knolls and greasewood
Ascend over mountainous land.
79.01 Intersect E. bdy of T 7 N. 14.09 chs S. 0° 12' E. of cor of secs. 13, 18, 19 and 24. heretofore described.
Set a quartzite stone 6 x 6 x 16 ins; 11 ins in the ground for closing cor. of secs. 13 and 24, marked C. C. on W. with 3 grooves on S. and 3 grooves on N. face; dig pits 24 x 18 x 12 ins crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor
I destroy all marks on old cor. pertaining to secs 13 and 24.
Land level and mountainous
Soil alkali; and sandy 4th rate.
Timber.
Mountainous land 39.01 chs.
Scattering greasewood undergrowth 17.00 chs.

N. 0° 01' W. bet secs 13 and 14.
Over level land.
40.00 Set a lava stone 5 x 8 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins.

Chains	
	N. and S. of stone 3 ft. dist: and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
80.00	Set a lava stone 5 X 8 X 15 ins; 10 ins. in the ground for cor. of secs 11, 12, 13 and 14. marked with 4 notches on S. and 1 notch on E. edge; dig pits 18 X 18 X 12 ins in each sec. 3½ ft. dist; and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate
	Timber.
	Knowing from retracement of E. bdy of Tp. that a closing cor. bet secs 12 and 13 will be necessary
	I run
	East on a true line bet secs. 12 and 13.
	Over level land.
40.00	Set a lava stone 5 X 7 X 15 ins; 10 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 X 18 X 12 ins E. and N. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
45.00	Leave flat. enter rolling land.
78.60	Intersect E. bdy of Tp. 14. 43 chs S 0° 18' E. of cor. of secs. 7, 12, 13 and 18. heretofore described.
	Set a limestone 4 X 7 X 18 ins; 12 ins in the ground for closing cor. of secs. 12 and 13. marked C. C. on N. with 4 grooves on S. and 2 grooves on N. face; dig pits 24 X 18 X 12 ins. one each line N. and S. 3 ft. and N. of stone 7 ft dist; and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	I destroy all marks on old cor pertaining

Chains.	
	to secs. 12 and 13.
	Land level and rolling
	Soil alkali; 4th rate.
	Timber.
	N. 0° 01' W. set secs 11 and 12.
	Over level land.
40.00	Set a lava stone 4 x 7 x 18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high W. of cor.
80.00	Set a lava stone 5 x 7 x 16 ins; 11 ins. in the ground for cor. of secs. 12, 11, and 12. marked with 5 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	Timber.
	Knowing from retracement of E. boly of Tp. that a closing cor. set secs. 1 and 12 will be necessary
	I run
	East on a true line set secs. 1 and 12.
	Over level land.
40.00	Set a lava stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
80.00	Leave flat; enter rolling land.

Subdivision of T8 N., R13 W.

Chains	
78.44	Intersect E. bdy of Tp. 14.37 chs S 0° 12' E. of cor. of secs. 7, 6, 1, and 12 heretofore described Set a quartzite stone 5 x 10 x 18 ins; 12 ins in the ground for closing cor. of secs 1 and 12, marked C.C. on W. with 3 grooves on S. and 1 groove on N. face; dig pits 24 x 18 x 12 ins crosswise on each line N. and S. 3 ft. and W. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor. Land level and rolling. Soil alkali; 4th rate. No timber. I destroy all marks on old cor. pertaining to secs. 1 and 12.
	N. 0° 01' W. on a true line bet secs 1 and 2. Over level land.
40.00	Set a trachyte stone 5 x 7 x 16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 4 ft base, 2 ft. high W. of cor.
93.30	Intersect 2nd Standard Parallel N. 1.36 chs N. 89° 00' E. of Standard cor of secs. 35 and 36 heretofore described. Set a porphyry stone 5 x 8 x 15 ins; 10 ins in the ground for closing cor. of secs 1 and 2, marked C.C. on S. with 1 groove on E. and 3 grooves on W. face; dig pits 24 x 18 x 12 ins crosswise on each line E. and W. 3 ft. and S. of stone 7 ft dist; and raise a mound of earth 4 ft base, 2 ft. high S. of cor. Land level. Soil alkali; 4th rate. No timber. June 23, 1903

Chains	
	June 24: At 7h 30m a.m. l. m. t. I set off 41° 23' N. on the lat arc 23° 27' N. on the decl. arc. and determine a meridian with the solar at the cor. of secs. 34 and 35. on S. bdy of Tp heretofore described.
	Thence I run N. 0° 02' W. bet secs. 34 and 35. Over level land.
40.00	Set a quartzite stone 5 X 7 X 15 ins; 10 ins in the ground for 1/4 sec. cor., marked 1/4 on W. face; dig pits 18 X 18 X 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 5 X 8 X 18 ins; 12 ins in the ground for cor. of secs. 26, 27, 34 and 35. marked with 1 notch on S. and 2 notches on E. edge; dig pits 18 X 18 X 12 ins. in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	East on a random line bet secs. 26 and 35.
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line 9 lks W. of cor of secs. 25, 26, 35 and 36. heretofore described.
	Thence I run N. 89° 56' W. on a true line bet secs. 26 and 35. Through sand knolls and grasswood
20.00	Leave sand knolls and grasswood.
39.98	Set a quartzite stone 4 X 9 X 16 ins; 1 in. in the ground for 1/4 sec. cor.

Chains	marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
79.96	The cor. of secs 26, 27, 34 and 35. Land rolling. Soil alkali and sandy; 4th rate Timber. Scattering greasewood undergrowth 20.00 chs.
	N. 0°02' W. bet secs. 26 and 27. Over level land.
40.00	Set a quartzite stone 6x10x14 ins; 9 ins in the ground for 1/4 sec. cor marked 1/4 on W. face; dig pits 18x18x12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft. high W. of cor.
45.00	Enter sand knolls and greasewood
50.00	Leave sand knolls and greasewood.
80.00	Set a quartzite stone 7x9x16 ins; 11 ins in the ground for cor of secs. 22, 23, 26, and 27, marked with 2 notches on S. and 2 notches on E. edge; dig pits 18x18x12 ins in each sec. 3 1/2 ft dist; and raise a mound of earth 4 ft base, 2 ft. high W. of cor. Land level and rolling. Soil alkali and sandy; 4th rate. Timber. Scattering greasewood undergrowth 5.00 chs.
	S. 89°56' E. on a random line bet. secs 23 and 26.
40.00	Set temp 1/4 sec. cor.

79.94	Intersect N. and S. mile & lks. S. of cor of secs. 23, 24, 25, and 26.
	Thence I run
	West, on a true line bet secs 23 and 26.
	Through sand knolls and scattering greasewood.
39.97	Set a quartzite stone 5 x 6 x 17 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
70.00	Leave sand knolls and scattering greasewood.
79.94	The cor of secs. 22, 23, 26, and 27.
	Land level and rolling.
	Soil alkali and sandy; 4th rate.
	No timber.
	Scattering greasewood, undergrowth 10 chs.

	N. 0° 02' W. bet secs. 22 and 23.
	Over level land.
13.50	Enter sand knolls and greasewood.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
	Leave sand knolls and greasewood
80.00	Set a quartzite stone 5 x 8 x 15 ins; 10 ins in the ground for cor of secs. 14, 15, 22, and 23. marked with 3 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level and rolling.

Chains	
	Soil alkali and sandy; 4th rate.
	No timber.
	Scattering greasewood, undergrowth.
	26.50 chs.
	East on a random line bet secs. 14 and 23.
40.00	Set temp. 1/4 sec. cor.
79.86	Intersect N. and S. line 7 lks N. of cor of secs. 13, 14, 23, and 24.
	Thence, Drive
	N. 89° 57' W. on a true line bet secs. 14 and 23.
	Over level land.
39.93	Set a quartzite stone 5 x 6 x 20 ins; 15 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high N. of cor.
79.86	The cor of secs 14, 15, 22, and 23.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	June 24: At this cor I set off 23° 26' N. on the decl. arc. and at 12h 00m m. l. w. t. observe the sun on the meridian the resulting lat is 41° 25'.
	N. 0° 02' W. bet secs. 14 and 15.
	Over level land.
40.00	Set a quartzite stone 7 x 9 x 13 ins; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist: and raise a mound of earth 3 1/2 ft base; 1 1/2 ft high W. of cor.
80.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins

Chains.	
	in the ground for cor. of secs. 10, 11, 14 and 15 marked with 4 notches on S. and 2 notches on E. edge; dig pits 18 x 18 x 12 ins. in each sec. 3½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	S. 89° 57' E. on a random line bet secs. 11 and 14.
40.00	Set temp. ¼ sec. cor.
79.84	Intersect N. and S. line at the cor. of secs. 11, 12, 13, and 14.
	Thence I run
	N. 89° 57' E. on a true line bet secs. 11 and 14.
	Over level land.
39.92	Set a quartzite stone 4 x 7 x 18 ins.; 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
79.84	The cor. of secs. 10, 11, 14, and 15.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 0° 02' W. bet secs. 10 and 11.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 18 ins.; 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist.; and raise a mound of earth 3½ ft. base, 1½ ft.

Chains	
	high W. of cor.
80.00	Set a quartzite stone 6x8x16 ins; 11 ins in the ground for cor. of secs. 2, 3, 10 and 11. marked with 5 notches on S. and 2 notches on E. edge; dig pits 18x18x12 ins. in each sec. 5½ ft. dist; and raise a mound of earth 4 ft base, 2 ft high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber
	S. 89°57' E. on a random line bet secs. 2 and 11.
40.00	Set temp ¼ sec. cor.
79.80	Intersect N. and S. line 14 lks N. of cor. of secs. 1, 2, 11 and 12.
	Thence I run
	N. 89°51' W. on a true line bet secs. 2 and 11.
	Over level land.
39.90	Set a quartzite stone 5x7x16 ins; 11 ins in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
79.80	The cor. of secs. 2, 3, 10, and 11.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 0°02' W. on a true line bet secs. 2 and 3.
	Over rolling land.
40.00	Set a quartzite stone 5x7x16 ins; 11 ins in the ground for ¼ sec. cor. marked

Subdivision of T 8 N., R 13 W.

Chains	
	1/4 cor W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
92.66	Intersect 2nd Standard Parallel N. 233 chs N. 89° 34' E. of standard cor of sec 34 and 35 heretofore described.
	Set a quartzite stone 6 x 7 x 15 ins; 10 ins in the ground for closing cor. of sec. 2 and 3 marked C.C. on S. with 2 grooves on E. and 4 grooves on W. face; dig pits 24 x 18 x 12 ins crossways on each line E. and W. 3 ft and S. of stone 7 ft dist; and raise a mound of earth 4 ft base, 2 ft high S. of cor.
	Land rolling.
	Soil, alkali 4th rate.
	Timber.
	June 24, 1903

From the cor. of sec. 33 and 34 on S. boy of Tp. heretofore described.

Run
N. 0° 02' W. bet sec 33 and 34.
Over level land.

40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
80.00	Set a lava stone 5 x 8 x 15 ins; 10 ins in the ground for cor. of sec. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft dist; and raise a mound of earth 4 ft base, 2 ft high W. of cor.
	Land level.
	Soil alkali 4th rate.
	Timber.

Subdivision of T 8 N., R 13 W.

Chains.	
	East on a random line bet. secs 27 and 34.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 lks N. of cor. of secs. 26, 27, 34 and 35.
	Thence 9 links
	N. 89° 57' W. on a true line bet. secs 27 and 34.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 17 ins.; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 27, 28, 33 and 34.
	Land level.
	Soil alkali; 4th rate.
	No timber.

June 25: At 8 h 00 m a.m. l.m.t. I set Sol 41° 23' N. on the lat. arc. 23° 26' N. on the decl. arc. and determined a true meridian with the solar at the cor. of secs. 27, 28, 33, and 34.

Thence 9 links

N. 0° 02' W. bet. secs. 27 and 28.

Over level land.

40.00 Set a quartzite stone 6 x 7 x 15 ins.; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

80.00 Set a quartzite stone 4 x 9 x 16 ins, 11 ins. in the ground for cor. of secs. 21, 22, 27 and 28. marked with 2 notches on S. and 3 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.

Land level.

Soil alkali; 4th rate.

No timber.

Subdivision of T8 N., R13 W.

Chains	S. 89°57' E. on a random line bet secs. 22 and 27.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 7 lks S. of cor of secs. 22, 23, 26, and 27.
	Thence I run
	West on a true line bet secs. 22 and 27.
	Over level land.
40.00	Set a quartzite stone 4X7X18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18X18X12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high N. of cor.
80.00	The cor of secs. 21, 22, 27, and 28.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0°02' W. bet secs 21 and 22.
	Over level land
40.00	Set a lava stone 5X10X12 ins; 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high W. of cor.
80.00	Set a pine post 4 ft. long, 4 ins sq. with quart of charcoal 36 ins. in the ground for cor of secs. 15, 16, 21, and 22. marked
	T8 N S15 on N E.,
	R13 W S22 on S E.,
	S21 on S W., and
	S16 on N W. face; with 3 notches on S. and E. edges; dig pits 18X18X12 ins in each sec. 5 1/2 ft dist; and raise a mound of earth 4 ft. base, 2 ft high W. of cor.
	Land level.

Chains	
	Soil alkali; 4th rate.
	No timber.
	East on a random line bet secs. 15 and 22.
40.00	Set temp 1/4 sec. cor.
80.08	Intersect N. and S. line 9 lks. N. of cor of secs. 14, 15, 22, and 23.
	Thence, I run
	N. 89° 56' W. on a true line bet secs. 15 and 22.
	Over level land.
40.04	Set a porphyry stone 6X8X13 ins; 8 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18X18X12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
80.08	The cor. of secs. 15, 16, 21, and 22.
	Land level.
	Soil, alkali; 4th rate.
	No timber.
	N. 0° 02' W. bet secs. 15 and 16.
	Over level land.
15.00	Enter sand knolls and white sage.
40.00	Set a lava stone 6X8X15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 ins N. and S. of stone, 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
80.00	Set a trachyte stone 4X11X13 ins; 8 ins in the ground for cor of secs. 9, 10, 15 and 16. marked with 4 notches on S. and 3 notches on E. edge; dig pits 18X18X12 ins in each sec. 5 1/2 ft dist.

Chains	and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level and rolling.
	Soil alkali and sandy; 4th rate.
	Timber.
	June 25: At this cor. I set ☉ at 23° 25' N. on the decl. arc, and at 12h 00m m. l. mt observe the sun on the meridian the resulting lat is 41° 26'.
	S. 89° 36' E. on a random line set pcce. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 9 lks E. of cor of secs. 10, 11, 14, and 15.
	Thence I run
	West on a true line set pcce. 10 and 15.
	Over level land.
40.00	Set a quartzite stone 4 x 8 x 18 ins; 12 ins. in the ground for 1/4 sec. cor.; marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
60.00	Enter sand knolls and white sage.
80.00	The cor of secs. 9, 10, 15 and 16.
	Land level and rolling.
	Soil alkali and sandy; 4th rate.
	Timber.
	N. 0° 02' W. set pcce. 9 and 10.
	Through sand knolls and white sage.
20.00	Leave sand knolls and white sage.
40.00	Set a trachyte stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins.

Chains	
	N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft base, 1½ ft. high W. of cor.
80.00	Set a trachyte stone 4x10x14 ins; 9 ins in the ground for cor. of secs. 3, 4, 9, and 10. marked with 5 notches on S. and 3 notches on E. edge; dig pits 18x18x12 ins in each sec. 5½ ft dist; and raise a mound of earth 4 ft base, 2 ft high W. of cor.
	Land level and rolling.
	Soil alkali; 4th rate.
	No timber.
	Scattering white sage undergrowth 20.00 chs.
	East on a random line bet secs. 3 and 10.
40.00	Set temp ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 2, 3, 10, and 11.
	Thence I run
	West on a true line bet secs 3 and 10.
	Over level land.
40.00	Set a trachyte stone 4x10x16 ins; 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
80.00	The cor of secs. 3, 4, 9, and 10.
	Land, level.
	Soil alkali; 4th rate.
	No timber.
	N. 0° 02' W. on a true line bet. secs. 3 and 4.
	Over level land.

Subdivision of T8N., R13W.

Chains	
40.00	Set a lava stone 4x9x18 ins: 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
50.00	Slight ascent.
60.00	Top of bench bears E. and W.
91.87	Intersect 2nd Standard Parallel N. 3.19 chs. N. 89°35' E. of standard cor. of secs. 33 and 34 heretofore described. Set a lava stone 4x10x15 ins; 10 ins in the ground for closing cor of secs 3 and 4. marked C.C. on S. with 3 grooves on E. and 3 grooves on W. face; and raise a mound of stone 2 ft base, 1 1/2 ft. high S. of cor. Pits impracticable. Land level and rolling. Soil alkali and sandy; 4th rate. No timber. June 25, 1903.
	June 26: At 7h 30m a. m. l. m. t. I set off 41°23' N. on the lat arc. 23°24' N. on the decl. arc. and determine a true meridian with the solar at the cor. of secs. 4, 5, 32 and 33 on S. bdy of Tp. heretofore described. Thence I run N. 0°03' W. bet secs. 32 and 33. Over level land.
40.00	Set a quartzite stone 5x7x15 ins 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 ins N. and S. of stone 3 ft. dist and raise a mound of earth 3 1/2 ft base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 4x10x14 ins,

Chains	
	9 mis. in the ground for cor. of secs. 28, 29, 32 and 33. marked mit. / notch on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land, level.
	Soil, alkali; 4th rate.
	No timber.
	East on a random line bet secs 28 and 33.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 lks W. of cor. of secs. 27, 28, 33 and 34.
	Thence S. run
	N. 89° 57' W. on a true line bet secs. 28 and 33.
	Over level land.
40.00	Set a quartzite stone 6 x 6 x 17 ins., 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone, 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 28, 29, 32, and 33.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 0° 03' W. bet secs. 28 and 29.
	Over level land.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.

Chains	
80.00	Set a quartzite stone 5 x 6 x 18 ins; 12 ins. in the ground for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft dist; and raise a mound of earth 4 ft. base, 2 ft high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	S. 89° 57' E. on a random line bet. secs. 21 and 28.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks N. of cor of secs. 21, 22, 27, and 28.
	Thence, I run
	N. 89° 56' W. on a true line bet secs. 21 and 28.
	Over level land.
40.00	Set a lava stone 5 x 6 x 20 ins; 15 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 8 ft. dist; and raise a mound of earth 8 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor of secs. 20, 21, 28, and 29.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 0° 08' W. bet secs. 20 and 21.
	Over level land.
40.00	Set a quartzite stone 5 x 8 x 14 ins; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12

Chains	
	nive. N. and S. of stone 3 ft. diet; and raise a mound of earth 8½ ft. base 1½ ft. high W. of cor.
80.00	Set a quartzite stone 5 X 7 X 15 inc; 10 inc in the ground for cor of secs. 16, 17, 20, and 21. marked with 3 notches on S. and 4 notches on E. edge; dig pits 18 X 18 X 12 inc in each sec. 5½ ft. diet; and raise a mound of earth 4 ft base, 2 ft high W. of cor.
	Land level
	Soil alkali; 4th rate.
	For timber.
	S. 89° 56' E. on a random line bet. secs. 16 and 21.
40.00	Set temp ¼ sec. cor.
79.90	Intersect N. and S. line at the cor. of secs. 15, 16, 21, and 22.
	Thence I pass
	N. 89° 56' W. on a true line bet sec. 16 and 21.
	Over level land.
39.95	Set a lava stone 5 X 7 X 17 inc; 12 inc in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18 X 18 X 12 inc E. and W. of stone 3 ft diet; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
79.90	The cor of secs. 16, 17, 20, and 21,
	Land level.
	Soil, alkali; 4th rate.
	For timber.
	N. 0° 03' W. bet secs 16 and 17.
	Over level land.
40.00	Set a quartzite stone 4 X 7 X 18 inc; 12 inc

Chains	
	in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a quartzite stone 6X6X14 ins; 9 ins. in the ground for cor of secs. 8, 9, 16 and 17. marked with 4 notches on S. and 4 notches on E. edge; dig pits 18X18X12 ins in each sec. 5½ ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	June 26: At this cor I set off 23°24' N. on the decl. arc, and at 12h 00m m. l. m. t. observe the sun on the meridian; the resulting lat. is 41°26'.
	S. 89°56' E. on a random line bet. secs. 9 and 16.
40.00	Set temp 1/4 sec. cor.
80.04	Intersect N. and S. line 2 lks S. of cor of secs 9, 10, 15 and 16.
	Thence I run
	N 89°57' W. on a true line bet secs. 9 and 16.
	Through sand knolls and white sage.
40.02	Set a lava stone 6X7X16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18X18X12 ins E. and W. of stone 3 ft. dist; and raise a mound of earth 3½ ft. base, 1½ ft. high N. of cor.
77.00	Leave sand knolls and white sage.
80.04	The cor of secs. 8, 9, 16, and 17.

Chains	
	Land level and rolling. Soil alkali and sandy; 4th rate. No timber. Scattering white sage undergrowth. 77.00 chs.
	N. 0° 03' W. Set rece 8 and 9. Over level land.
3.00	Enter sand knolls and white sage.
40.00	Set a lava stone 5 x 7 x 15 ins.; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins. N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high W. of cor. Leave sand knolls and white sage.
80.00	Set a quartzite stone 6 x 8 x 15 ins; 10 ins in the ground for cor. of secs. 4, 5, 8, and 9. Land level and rolling. Soil alkali and sandy; 4th rate. No timber.
	S. 89° 57' E. on a random line set secs. 4 and 9.
40.00	Set temp. 1/4 sec. cor.
80.08	Intersect N. and S. line 10 lks N. of cor. of secs. 3, 4, 9, and 10. Thence I run N. 89° 55' W. on a true line set rece. 4 and 9. Over level land.
40.04	Set a quartzite stone 6 x 8 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone, 3 ft. dist; and raise a mound of earth

Chains	
80.08	3½ ft- face, 1½ ft- high N. of cor. The cor of secs. 4, 5, 8, and 9. Land level. Soil alkali; 4th rate. No timber.
	N. 0° 03' W. on a true line bet secs. 4 and 5. Over level land.
40.60	Set a lava stone 4 x 9 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3½ ft- face 1½ ft- high N. of cor
90.60	Intersect 2nd Standard Parallel N. 4.04 chs N 89° 03' E. of standard cor. of secs. 32 and 33 heretofore described. Set a lava stone 6 x 8 x 16 ins; 11 ins in the ground for closing cor. of secs. 4 and 5. marked C. C. on S. with 4 grooves on E. and 2 grooves on N. face; dig pits 24 x 18 x 12 ins. crosswise on each line E. and N. 3 ft. and S. of stone 7 ft dist; and raise a mound of earth 4 ft- face, 2 ft. high S. of cor. Land level. Soil alkali; 4th rate. No timber.
	From cor of secs. 31 and 32 on S. bdy of Tp. heretofore described Run N. 0° 04' W. bet secs. 31 and 32. Over level land.
40.00	Set a quartzite stone 5 x 8 x 15 ins; 10 ins

Chains	
	in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	Set a quartzite stone 5 x 6 x 18 ins; 12 ins in the ground for cor. of secs. 29, 30, 31 and 32. marked with 1 notch on S. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base, 2 ft high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	East on a random line bet secs. 29 and 32.
40.00	Set temp 1/4 sec. cor.
79.96	Intersect N. and S. line 7 lks W. of cor. of secs. 28, 29, 32 and 33.
	Thence I run
	N. 89° 57' E. on a true line bet secs. 29 and 32.
	Over level land.
39.98	Set a quartzite stone 4 x 8 x 18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft high N. of cor.
79.96	The cor. of secs. 29, 30, 31 and 32.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	June 26, 1903

Subdivision of T. 8 N., R. 13 W.

Chains	
	June 27: at 8h 00m a.m. l.m.t. I set on 41° 23' N. on the lat. arc 23° 22' N. on the decl. arc. and determine a true meridian with the solar at the cor of secs. 29, 30, 31 and 32.
	Thence I run
	West on a random line bet secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
88.65	Intersect N. bdy of Tp. 9 N. on S. of cor. of secs. 25, 30, 31 and 36. heretofore described.
	Thence I run
	S. 89° 56' E. on a true line bet secs. 30 and 31.
	Over level land.
48.65	Set a quartzite stone 7 x 7 x 18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
88.65	The cor of secs. 29, 30, 31 and 32.
	Land level.
	Soil alkali; 4th rate.
	No timber.

	N 0° 04' W. bet secs 29 and 30.
	Over level land.
40.00	Set a quartzite stone 5 x 8 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
80.00	Set a quartzite stone 5 x 7 x 15 ins 10 ins in the ground for cor of secs 19, 20, 29 and 30. marked with 2 notches on S. and 5 notches on E. edge; dig

Chains	Pits 18 x 18 x 12 ins. in each sec. 3 1/2 ft. dist. and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	S. 89° 57' E. on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 20, 21, 28, and 29.
	Thence Drew
	N. 89° 57' W. on a true line bet. secs. 20 and 29.
	Over level land.
40.00	Set a quartzite stone 5 x 7 x 15 ins.; 10 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; dig pits 18 x 18 x 12 ins. E. and W. of stone 3 ft. dist.; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
80.00	The cor. of secs. 19, 20, 29, and 30.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	N. 89° 56' W. on a random line bet. secs. 19 and 30.
40.00	Set temp. 1/4 sec. cor.
88.50	Intersect W. bdy. of Tp. 2 Lks. S. of cor. of secs. 19, 24, 25, and 30. heretofore described.
	Thence Drew
	S. 89° 55' E. on a True line bet. secs. 19 and 30.
	Over level land.

Subdivision of T 8 N., R 13 W.

Chains	
48.50	Set a quartzite stone 5 X 7 X 16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 X 18 X 12 ins. E. and W. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high N. of cor.
88.50	The cor. of secs. 19, 20, 29, and 30. Land level. Soil alkali; 4th rate. Timber
	N. 0° 04' W. bet. secs. 19 and 20. Over level land.
40.00	Set a quartzite stone 5 X 8 X 15 ins; 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 X 18 X 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
80.00	Set a quartzite stone 4 X 10 X 14 ins 9 ins in the ground for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S. and 3 notches on E. edge; dig pits 18 X 18 X 12 ins in each sec. 3 1/2 ft. dist; and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level. Soil alkali; 4th rate. Timber.
	S. 89° 57' E. on a random line bet. secs. 17 and 20.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line 2 lks W. of cor. of secs. 16, 17, 20, and 21. Thence S. on

Chains	
	N. 89° 56' W. on a true line bet secs. 17 and 20.
	Over level land.
40.02	Set a quartzite stone 4 x 10 x 14 ins; 9 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base 1 1/2 ft high N. of cor.
80.04	The cor. of secs. 17, 18, 19 and 20.
	Land level.
	Soil alkali; 4th rate.
	Winter.
	N. 89° 55' W. on a random line bet. secs. 18 and 19.
40.00	Set temp 1/4 sec. cor.
88.51	Intersect W. bdy of Tp. 20 N. at cor of secs. 13, 18, 19 and 24. heretofore described.
	Thence N.
	N. 89° 57' E. on a true line bet secs. 18 and 19.
	Over level land.
48.51	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
88.51	The cor of secs 17, 18, 19, and 20.
	Land level.
	Soil alkali; 4th rate.
	Winter.
	June 27. At this cor I set Δ 23° 22' N. on the decl arc and at 12h 00m m. l. m. t. observe the sun on the meridian; the resulting lat was 41° 25'.

Subdivision of T8N., R13W.

Chains	
	N. 0° 04' W. Set secs 17 and 18.
	Over level land.
40.00	Set a quartzite stone 5"x6"x18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18"x18"x12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3½ ft base 1½ ft high W. of cor.
80.00	Set a quartzite stone 5"x7"x16 ins, 11 ins in the ground for cor. of secs. 7, 8, 17, and 18. marked with 4 notches on S. and 5 notches on E. edge; dig pits 18"x18"x12 ins in each, sec 5½ ft dist; and raise a mound of earth 4 ft base, 2 ft high W. of cor.
	Land level.
	Soil alkali; 4th rate.
	Fortuitous.
	S. 89° 56' E. on a random line set. secs. 8 and 17.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line 2 lks E. of cor of secs. 8, 9, 16, and 17.
	Thence, N. 89° 57' W. on a true line set secs. 8 and 17.
	Over level land.
40.00	Set a quartzite stone 5"x7"x16 ins; 11 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18"x18"x12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
80.00	The cor of secs 7, 8, 17, and 18.
	Land level
	Soil alkali; 4th rate.
	Fortuitous.

Chains	
	S. 89° 57' W. on a random line bet secs. 7 and 18.
40.00	Set temp. 1/4 sec. cor.
88.33	Intersect N. bdy of Tp & lake S. of cor. of secs. 7, 12, 13, and 18, heretofore described thence N. run East on a true line bet secs. 7 and 18, over level land.
48.33	Set a quartzite stone 6 x 6 x 18 ins; 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high N. of cor.
88.33	The cor of secs. 7, 8, 17, and 18. Land level. Soil alkali; 4th rate. No timber.

	N. 0° 04' W. bet secs. 7 and 8. Over level land.
40.00	Set a quartzite stone 5 x 7 x 15 ins; 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft dist; and raise a mound of earth 3 1/2 ft base, 1 1/2 ft high W. of cor.
80.00	Set a quartzite stone 6 x 6 x 16 ins; 11 ins in the ground for cor. of secs. 5, 6, 7 and 8, marked with 5 notches on S. and 5 notches on E. edge; dig pits 18 x 18 x 12 ins in each sec. 5 1/2 ft dist; and raise a mound of earth 4 ft base, 2 ft high W. of cor. Land level. Soil alkali; 4th rate. No timber.

Subdivision of T 8 N., R 13 W.

Chains	
	S. 89°57' E. on a random line bet. secs. 5 and 8.
40.00	Set temp 1/4 sec. cor.
79.96	Intersect N. and S. line 2 lks S of cor of secs. 4, 5, 8 and 9.
	Thence I run
	N 89°58' W. on a true line bet secs. 5 and 8.
	Over level land.
39.98	Set a quartzite stone 6x6x14 ins; 9 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
79.96	The cor of secs 5, 6, 7 and 8.
	Land level.
	Soil alkali; 4th rate.
	No timber.
	West on a random line bet secs. 6 and 7.
40.00	Set temp 1/4 sec. cor.
88.70	Intersect W. bdy of T/p at the cor. of secs. 1, 6, 7 and 12 heretofore described.
	Thence I run
	East on a true line bet secs. 6 and 7
	Through sand knolls.
48.70	Set a trachyte stone 4x10x16 ins; 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 ins E. and W. of stone 3 ft dist; and raise a mound of earth 3½ ft base, 1½ ft high N. of cor.
	Leave sand knolls.
88.70	The cor of secs. 5, 6, 7 and 8.
	Land level.
	Soil alkali and sandy; 4th rate.
	No timber.

Subdivision of T 8 N., R 13 W.

Chains	
	N. 0° 04' W. on a true line bet secs. 5 and 6. Over level land.
40.00	Set a quartzite stone 3 x 7 x 15 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 ins N. and S. of stone 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high W. of cor.
89.55	Intersect 2nd Standard Parallel N. 5.50 chs N. 89° 10' E. of Standard cor of secs 31 and 32. heretofore described. Set a quartzite stone 5 x 8 x 15 ins; 10 ins in the ground for closing cor. of secs. 5 and 6. marked C. C. on S. side 5 grooves on E. and 1 groove on W. face; dig pits 24 x 18 x 12 ins crossing on each line E. and W. 3 ft. and N. and S. of stone 7 ft. dist; and raise a mound of earth 4 ft. base, 2 ft. high S. of cor.
	Land level.
	Soil alkali; 4th rate
	Timber

June 27, 1903.

General Description.

The soil in this township is sandy and alkali. Vegetation exists except some scattering white sage. and grass wood.

The East Bdy. runs along the foot-hills and is mountainous broken by gulches and ridges.

There is no water or indications of mineral in the township.

There are no settlers in the township.

John W Dongall
U. S. Deputy Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by John N. Dougall, 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 Subdivision of T6N., R15W. T5N., R14W. T7N., R14W. T6N., R13W. and T8N., R13W. of the Salt Lake Base and Meridian Utah.

showing the respective capacities in which they acted:

John N. Chase, Chainman.
William N. Evans, Chainman.
Otto B. Konarz, Moundman.
, Moundman.
, Axman.
, Axman.
Thomas M. Gallup, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John N. Dougall, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision of T6N., R15W. T5N., R14W. T7N., R14W. T6N., R13W. and T8N., R13W. of the Salt Lake Base and meridian, State of Utah, which 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.

John N. Chase, Chainman.
William C. Evans, Chainman.
Otto B. Konarz, Moundman.
, Moundman.
, Axman.
, Axman.
Thomas M. Gallup, Flagman.

Subscribed and sworn to before me this 6 day of July 1903.

SEAL

Hughlette Dougall
Notary Public

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John W Dougall, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Edward H Anderson United States Surveyor General for the State of Utah, bearing date of t 23d day of March 1903, 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Survey General for the State of Utah, the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of the subdivisional lines of Townships 6 North Range 15 West, Township 5 North Range 14 West, Township 6 North Range 13 West & Township 8 North Range 13 West

of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes in books I.O.S.W & Z3 as having been surveyed by me, and under my direction; and I do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for the State of Utah and in the specific manner described in the field notes, and t the foregoing are the original field notes of such survey; and should any fraud be detected, I will su the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John W Dougall
United States Deputy Survey

Subscribed by said John W Dougall, and sworn to before me this 30th day of November 1903, 189

Edward H Anderson
U.S. Surveyor General
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah March 5 1904, 189

The foregoing field notes of the survey of the subdivisional lines of Township 8 North Range 13 West of the Salt Lake Base and Meridian, Utah

executed by Alfredo R Salamantes and John W Dougall under ~~his~~ their contract No. 262, dated March 23 1903, 189 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor Gene

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

United States Surveyor Gene

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U. S. Deputy Surveyor