Volume

#

R0302

BOOK A-302

INDEX DIAGRAM.

Township 5 N., *Range* 17 W.

~~20~~		~~20~~		~~21~~		~~21~~		~~22~~		~~22~~	
6	61	5	54	4	49	3	44	2	39	1	17
~~61~~		~~60~~		~~54~~		~~49~~		~~44~~		~~38~~	
7	60	8	53	9	48	10	43	11	38	12	17
~~59~~		~~59~~		~~53~~		~~48~~		~~43~~		~~37~~	
18	58	17	52	16	48	15	42	14	37	13	18
~~58~~		~~58~~		~~52~~		~~47~~		~~42~~		~~37~~	
19	57	20	51	21	47	22	42	23	36	24	18
~~57~~		~~56~~		~~51~~		~~46~~		~~41~~		~~35~~	
30	56	29	51	28	46	27	40	26	35	25	17
~~55~~		~~55~~		~~50~~		~~46~~		~~40~~		~~34~~	
31	55	32	50	33	45	34	39	35	34	36	17

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

We,

do solemnly swear that we will well and [illegible]
chain over even and uneven ground, and place [illegible]
we will report the true distances to all [illegible]
measuring, to the best of our skill and ability [illegible]

Subscribed and sworn to before me [illegible]

day of [illegible]

SEAL

We,

do solemnly swear [illegible]
of [illegible]

Subscribed and sworn to before me [illegible]

day of [illegible]

SEAL

We,

do solemnly [illegible]
and other [illegible]

Subscribed and sworn to before me [illegible]

day of [illegible]

SEAL

I,

perform the duties [illegible]
surveyor [illegible]

Subscribed and sworn to before me this

day of [illegible], 190[illegible]

SEAL

[illegible]

BOOK A-302

INDEX DIAGRAM.

Township 6 N., *Range* 17 W.

~~74~~		~~74~~		~~75~~		~~75~~		~~76~~		~~76~~	
6	118	5	110	4	104	3	98	2	92	1	73
~~118~~		~~117~~		~~110~~		~~104~~		~~98~~		~~92~~	
7	117	8	109	9	103	10	97	11	91	12	73
~~116~~		~~115~~		~~109~~		~~103~~		~~97~~		~~91~~	
18	115	17	108	16	102	15	96	14	90	13	72
~~114~~		~~114~~		~~107~~		~~102~~		~~96~~		~~89~~	
19	113	20	107	21	101	22	95	23	89	24	72
~~113~~		~~112~~		~~107~~		~~101~~		~~94~~		~~89~~	
30	112	29	106	28	100	27	94	26	88	25	71
~~111~~		~~111~~		~~106~~		~~100~~		~~93~~		~~88~~	
31	110	32	105	33	99	34	93	35	87	36	71

Meanders Page

G—151

PRELIMINARY OATHS OF ASSISTANTS.

We, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level th
[illegible] 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
[illegible] according to the best of our skill and ability, and in accordance with instructions given us, in the survey o

..... *Chainma*

..... *Chainma*

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 establishme
of corners, according to the instructions given us, to the best of our skill and ability, in the survey

..... *Moundma*

..... *Moundma*

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 corne
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 ....., 190

SEAL

I ..... do solemnly swear that I will well and tru
[illegible] according to instructions given me, to the best of my skill and ability, in t
[illegible]

..... *Flagma*

[illegible] this .....
[illegible], 190

SEAL

BOOK A-302

INDEX DIAGRAM.

Township 7 N., *Range* 17 W.

6	172	5	165	4	160	3	154	2	148	1	130
~~172~~		~~171~~		~~164~~		~~159~~		~~154~~		~~148~~	
7	171	8	164	9	158	10	153	11	147	12	131
~~171~~		~~170~~		~~163~~		~~158~~		~~152~~		~~146~~	
18	169	17	163	16	158	15	152	14	146	13	131
~~169~~		~~169~~		~~163~~		~~157~~		~~151~~		~~145~~	
19	168	20	162	21	157	22	151	23	145	24	131
~~168~~		~~167~~		~~162~~		~~156~~		~~151~~		~~145~~	
30	167	29	161	28	156	27	150	26	144	25	132
~~166~~		~~166~~		~~161~~		~~155~~		~~150~~		~~144~~	
31	165	32	160	33	155	34	149	35	143	36	132

Meanders Page

C—151

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 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

BOOK A-302

INDEX DIAGRAM.

Township 5 N., *Range* 16 W.

~~183~~	~~184~~	~~184~~	~~184~~	~~185~~	~~185~~
6 221	5 215	4 210	3 205	2 200	1
~~221~~	~~221~~	~~214~~	~~209~~	~~204~~	~~200~~
7 220	8 214	9 209	10 204	11 199	12
~~220~~	~~220~~	~~213~~	~~208~~	~~204~~	~~198~~
18 219	17 213	16 208	15 203	14 198	13
~~219~~	~~218~~	~~212~~	~~207~~	~~203~~	~~198~~
19 218	20 212	21 207	22 202	23 197	24
~~217~~	~~217~~	~~212~~	~~207~~	~~202~~	~~197~~
30 216	29 211	28 206	27 201	26 196	25
~~216~~	~~216~~	~~211~~	~~206~~	~~201~~	~~196~~
31 215	32 210	33 205	34 201	35 195	36

Meanders Page

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and ..... do solemnly swear that we will well and faithfully execute the duties of [illegible] the chain over even and uneven ground, and plumb the tally pins, either by [illegible] dropping the [illegible], that we will report the true distances to all notable objects, and the true length [illegible] measuring, to the best of our skill and ability, and in accordance with [illegible] 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 [illegible] of corners, according to the instructions given us, to the best of [illegible] ability, 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 [illegible] and other duties, according to instructions given us, to the best [illegible] the survey of .....

Chainman.

Chainman.

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

6—151

BOOK A-302

INDEX DIAGRAM.

Township 6 N., *Range* 16 W

~~232~~	~~232~~	~~233~~	~~233~~	~~234~~	~~234~~
6 272	5 265	4 260	3 255	2 250	1
~~272~~	~~271~~	~~265~~	~~260~~	~~254~~	~~249~~
7 271	8 264	9 259	10 254	11 249	12
~~270~~	~~270~~	~~264~~	~~259~~	~~253~~	~~249~~
18 270	17 263	16 258	15 253	14 248	13
~~269~~	~~269~~	~~263~~	~~258~~	~~253~~	~~248~~
19 268	20 262	21 257	22 252	23 247	24
~~268~~	~~267~~	~~262~~	~~257~~	~~252~~	~~247~~
30 267	29 261	28 256	27 251	26 246	25
~~267~~	~~266~~	~~261~~	~~256~~	~~251~~	~~246~~
31 266	32 261	33 255	34 250	35 245	36

Meanders Page

6—151

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 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

6—151

BOOK A-302

INDEX DIAGRAM.

Township 7 N, *Range* 16 W

6	311	5	303	4	298	3	293	2	288	1	
~~310~~		~~310~~		~~302~~		~~297~~		~~292~~		~~287~~	
7	309	8	302	9	297	10	292	11	287	12	
~~309~~		~~308~~		~~302~~		~~296~~		~~291~~		~~286~~	
18	308	17	301	16	296	15	291	14	286	13	
~~307~~		~~307~~		~~301~~		~~295~~		~~290~~		~~285~~	
19	306	20	300	21	295	22	290	23	285	24	
~~306~~		~~306~~		~~300~~		~~294~~		~~289~~		~~285~~	
30	305	29	299	28	294	27	289	26	284	25	
~~305~~		~~304~~		~~299~~		~~294~~		~~289~~		~~284~~	
31	304	32	298	33	293	34	288	35	283	36	

Meanders Page

6—151

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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

4—679.

FILED

FEB 1 1904

S

BOOK A-302

FIELD NOTES

OF THE SURVEY OF THE

East and North Boundaries

of

Township No 5 North Range No 17 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hansen, United States Deputy Surveyor,

under his Contract No. 261, dated March 18 1903, ~~189~~

Survey commenced May 25, 1903, ~~189~~

Survey completed May 26, 1903, ~~189~~

8—151

E-Bdry-Low- 6-03-24 ✓

N- " " 5-79-06 ✓

72 02.30

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - - - - - Chainman
R J Froiseth - - - - "
J F Hoffman - - - - - Moundman
Frank Hoffman Jr - - "
R J Froiseth - - - - - Axman
Frank Hoffman Jr. "
B R Lawrence - - - Flagman

For preliminary affidavits see book I. F. S. M. R. C. W.

6—151

Volume
#
R0302

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

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, measure, and measure 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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

.....

.....

East Boundary of T 5 N R 17 W.

Chains	Survey commenced May 26. 1903 and executed with a W. & L. E. Gurley light mountain transit with solar attachment. — The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs. —
	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 6. 1903
	Having tested the adjustments of the instrument May 24. on a meridian established from Polaris and found them correct as described at end of field notes of subdivision of T. 6 N. R. 18 W. Book R. I consider it unnecessary to repeat the test at this time. —
	At 7 h 30 m a.m. M.T. I set off 41° 7' N. on the lat. arc 20° 49' 30" N. on the decl. arc and determine a meridian with the solar at the Standard Cor. of Tps. 5 N. Rs. 16 and 17 W. established by me April 17. 1903 Thence I run
	North bet. secs. 31 and 36
	Over level land
40.00	Set a granite stone 18 x 9 x 5 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 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a tufa stone 16 x 8 x 6 ins. 11 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 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 flat alkali desert
	Soil sticky clay and salts — 4th rate
	No vegetation
	North bet. secs. 25 and 30
	Over level land
40.00	Set a granite stone 18 x 8 x 7 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. —
80.00	Set a limestone 16 x 8 x 6 ins. 11 ins. in the ground for

East Boundary of T. 3 N. R. 17 W.

Chains	
	Cor. of secs. 19-24-25 and 30 marked with 2 notches on S. and 4 notches on N. edges; dig pits 18x18x12 inches in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat alkali desert
	Soil sticky clay and salts 4th rate
	No vegetation
	North bet. secs. 19 and 24
	Over level land
20.00	Earlier than growth of saltgrass and shadscale bears E. and W.
40.00	Set a lifa stone 17x7x6 inches 11 inches in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18x18x12 inches N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
58.00	A reef of granite rock extends easterly and westerly about 5 chs. 10 ft. high
80.00	Set a limestone 16x8x6 inches 11 inches in the ground for cor. of secs. 13-18-19 and 24 marked with 3 notches on N. and S. edges; dig pits 18x18x12 inches in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat alkali desert
	Soil miry clay and salts 4th rate
	No timber
	Sparse growth of saltgrass and shadscale
	North bet. secs. 13 and 18
	Over level land
11.46	Wash 50 ft. wide 7 ft. deep miry and water in hollows, drains S. 85° E.
40.00	Set a granite stone 16x8x6 inches 11 inches in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18x18x12 inches N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
66.42	Wash 50 ft. wide 6 ft. deep water in hollows drains S. 60° E.
80.00	Set a granite stone 15x9x6 inches 10 inches in the ground for cor. of secs. 7-12-13 and 18 marked with 2 notches on N. and 4 notches on S. edges; dig pits 18x18x12 inches in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat alkali desert
	Soil sticky clay and salts 4th rate
	No timber

East Boundary of T. 5 N. R. 18 W.

Chains	Spare growth of saltgrass and sprigs of shadscale
	North bet. secs. 7 and 12.
	Over level land
4000	Set a granite stone 18 x 7 x 6 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.
8000	Set a granite stone 16 x 8 x 5 ins 11 ins. in the ground for cor. of secs. 1-6-7 and 12 marked with 1 notch on N. and 5 notches on S edges; 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 flat alkali desert
	Soil clay and salts 4th rate
	No timber
	Scattering sprigs of shadscale
	May 25 at this cor. I set off 20° 51' N. on the decl. arc. and at 11h 57m a.m. I.m.t. observe the sun on the meridian the resulting lat. is 41° 11' 16" N. –
	North bet. secs. 1 and 6
	Over level land
4000	Set a granite stone 16 x 7 x 6 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.
78,05	Dry wash 2 ft. deep. drains E. – Lenght of W. bdy. of Tp being 483.24 ch. ch.
83,24	Set a limestone 18 x 7 x 6 ins. 12 ins. in the ground for cor. of Tps. 5 and 6 N. Rs 16 and 17 W. marked 6 s
	6 N on N.E.
	16 W on S.E.
	5 N. on S.W. and
	17 W. on N.W. faces, 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. of stone 8 ft. dist. and raise a mound of earth 5 ft base 2½ ft high S. of cor. –
	Land flat alkali desert
	Soil sticky clay and salts 4th rate
	No timber
	Scattering sprigs of shadscale undergrowth

chains	From the Tp. cor. last described I run West on a random line along the N. bdy. of Tp. 5 N. R. 17 W. setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs.; and at 47.90 chs. intersect the E. bdy. of Tp. 5 N. R. 18 W. 6 chs. S. of the cor. of Tps. 5 and 6 N. Rs. 17 and 18 W., as heretofore described.- The falling answers to a correction of ten chains 30" or 1 lk. per mile, and I therefor run
	East bet. secs. 6 and 31 on true line
	Over level land
38.55	Wash drain S. 70° E.
39.06	Set a limestone 15 x 7 x 6 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.
64.95	Wash drain S. E.
79.06	Set a limestone 17 x 7 x 6 ins. 11 ins. in the ground for cor. of sec. 5-6-31 and 32 marked with 1 notch on W. 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 flat alkali desert with low hillocks
	Soil soft sticky clay and salts 4th rate
	No timber
	Scattering shadscale brush
	May 25, 1903

May 26: At 8 a.m. I set off 41°12' N. on the lat. arc 21°0' N. on the decl. arc and determine a meridian with the solar at the cor of secs. 5-6-31 and 32 thence I run

	East bet. secs. 5 and 32
	Over level land, covered with low hillocks
11.00	Wash 3 ft. deep drain S.
40.00	Set a limestone 16 x 8 x 6 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 3½ ft. base 1½ ft. high N. of cor.
43.00	Leave hillocks, bear N. and S. enter flat surface
80.00	Set a limestone 16 x 7 x 6 ins. 11 ins. in the ground for cor. of sec. 4-5-32 and 33 marked with 4 notches on E. and 2 notches on W. edges; 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.

Chains	Land level alkali desert Soil sticky clay and salts 4th rate No timber Scattering thin growth of shadscale shrub
	East bet. secs 4 and 33 Over level land
26.50	Wash 6 ft. deep 20 ft. wide, miry, water in hollow drains S.E.
40.00	Set a limestone 15 X 8 X 6 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.
60.30	Dry wash drains S 20° E
80.00	Set a limestone 16 X 6 X 6 ins. 11 ins. in the ground for cor. of secs. 3-4-33 and 34 marked with 3 notches on E. and W. edges; 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 cut with washes Soil sticky clay and alkali salts 4th rate No timber Scattering thin growth of saltgrass and shadscale
	East bet. secs. 3 and 34 Over level land
11.50	Wash drains S. 20° E
40.00	Set a limestone 16 X 7 X 6 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 3½ ft. base 1½ ft. high N. of cor.
54.80	Dry wash drains S. 15° E.
80.00	Set a limestone 17 X 7 X 5 ins. 12 ins. in the ground for cor. of secs. 2-3-34 and 35 marked with 4 notches on W. and 2 notches on E. edges; 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 alkali desert Soil, clay and salts 4th rate No timber Scattering thin growth of saltgrass and shadscale

North Boundary of T. 5 N. R. 17 W.

Chains	
	East bet. secs. 2 and 35
	Over level land
40,00	Set a limestone 17×7×5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 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 limestone 16×8×6 ins. 11 ins. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edges; dig pits 18×18×12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level alkali desert
	Soil sticky clay and salts 4th rate
	No timber
	Thin scattering growth of saltgrass and shadscale
	East bet. secs. 1 and 36
11,00	Wash 6 ft. deep 40 ft. wide water in hollows and very serpentine course E. from N. 75° W
31,00	Same wash turns N. 80° E and leaves line
40,00	Set a limestone 16×8×5 ins. 11 ins. in the ground for 1/4 sec cor. marked 1/4 on N. face; dig pits 18×18×12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
47,48	Dry wash drains N. E. 4 ft. deep 20 ft. wide, very
80,00	The cor. of Tps. 5 and 6 N. Rs. 16 and 17 W.
	Land level with scattering hillocks
	Soil clay with alkali salts 4th rate
	No timber
	Scattering growth of thorny shrub on hillocks
	May 26: at this cor I set off 21°2' N on the decl arc and at 11h 57m a.m. l.m.t. observed the sun on the meridian the resulting lat. is 41°12' N.
	For test of adjustments of the instrument made at conclusion of this survey see the following book i.e. "Book T" or subdivision notes of this Tp. reference to which is hereby made
	May 26, 1903

East and North Boundaries of T.5 N. R.17 W.

Chainer

Boundaries of T 5 N. R.17 W.

Latitudes departures and closing errors

Line Designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W
		chs.	chs.	chs.	chs.	chs.
1st St. Par. North	East	480,00			480,00	
East Boundary	North	483,24	483,24			
North "	West	479,06				479,06
West "	South	483,24		483,24		
Convergency						0,63
			483,24	483,24	480,00	479,69
Totals			483,24		479,69	
Errors			of Lat. = 0,00		of Dep. 0,31	

General Description

For general description see field notes of subdivision of this Tp in succeeding book i.e. Book T

Andrew P. Hamm

U.S. Dep. Surveyor

BLANK

PAGE

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 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.*

For final affidavits see book Z', T. 6 N. R. 6 W., *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 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 _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

For final affidavits see book Z', T. 6 N. R. 6 W., *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

_____

SEAL

_____

6—151

BOOK A-302

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 ....., 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book 1, Tp 6 S R 16 W

..... 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 ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 190

The foregoing field notes of the survey of the East & North Boundaries of Township 5 North Range 17 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hansen under his contract No. 261, dated March 18, 1903, 189 , having bee critically examined, and the necessary corrections and explanations made, the said field notes, and th surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor Gener

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 Gener

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

FEB 1 1904

T.

BOOK A-302

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 5 North Range No 17 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18 1903, 189

Survey commenced May 26 1903, 189

Survey completed June 2 1903, 189

6—151

high - 7-32-28 ✓
low - 52-63-17 ✓ 60 15-45

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - - Chainman

R J Troiseth - - - - "

J F Hoffman - - - Moundman

Frank Hoffman Jr. - - - "

R J Troiseth - - - - Axman

Frank Hoffman Jr. - - - "

B R Lawrence - - - - Flagman

The preliminary affidavits in book "L" Fp 4 N R 18 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

G—151

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 ....., 189

.....

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 ....., 189

.....

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, ..., 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 ....., 189

.....

SEAL

.....

Subdivision of T.5 N. R 17 W.

chains	Survey commenced May 26. 1903 and executed with a W & L. E. Gurley light mountain transit with solar attachment;— The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs. 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 6. 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 a m and p m hours, with a meridian determined by observations on Polaris I proceed as follows: At my camp. in sec. 24 and N. 89° W. about 1/2 mile from the cor. of secs 19-24-25 and 30 on E. bdy of T. 5 N. R 17 W. set by me May. 25. 1903; latitude 41° 8' 40" N longitude 113° 44' 43" W. I set off 41° 09' N on the lat. arc 21° 4' N. on the decl. arc and at 4h 0m p m, l. m. t. determine with the solar a meridian and mark a point thereof, on a stone firmly set in the ground 5 chs. N. of my station.— May 26. 1903
	May 27: At 3h 12.5m a.m, l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions and mark a point in the line thus determined, on a peg driven in the ground 5 chs N. of the instrument.— At 6h 50m a.m., l.m.t. I lay off the azimuth of Polaris 1° 36' to the west and mark the meridian thus determined on the stone set May 26 on, which the meridian falls. 0.7 in. east of the mark determined by the solar At 7h 5m a.m, l.m.t. I set off 41° 09' N. on the lat. arc: 21° 10' N. on the decl. arc, and mark a point in the meridian determined with the solar on the stone already set 5 chs. N. of my station; this mark falls. 0.7 in. E. 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° 40" W. and E of the meridian established by the Polaris observations: therefor

Subdivision of T. 5 N. R. 17 W.

Chains	
	I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 7h 5m a.m. is N. 17° 50' W.; the angle thus determined gives the mag. decl. 17° 50' E.
	I begin at the standard cor. of secs. 35 and 36 on S. bdy. of T 5 N. R. 17 W. set by me April 17, 1903 thence I run
	N. 0° 1' W. bet. secs. 35 and 36
	Over mountainous land
	Descending gradually to
24.00	Dry wash; drains N.E. 100 ft. below cor.
	Thence on gradual ascent to
35.00	East end of spur running E. and beginning of gradual descent to
40.00	Set a limestone 18 x 7 x 6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
46.65	Dry wash drains S. 70° E.
51.75	Dry wash drains S. 65° E.; thence ascending
62.55	Top of spur running S.E. 60 ft. high. - Descending to
67.28	Head of hollow drains S.E. 50 ft. below spur
	Begin ascent on rocky slope
80.00	Set a granite stone 18 x 14 x 12 inc. 12 inc. in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; raise a mound of stones 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable
	This cor. stands 90 ft. above head of hollow
	Land mountainous, rolling
	Soil gravely and rocky 4th rate
	No timber. - Low growing shrubs underneath
	Mountainous land 80.00 chs.
	East on a random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
80.18	Intersect E. bdy. of Tp. 10 Lks. S of cor. of secs. 25-30-31 and 36 as heretofore described
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 25 and 36
	Over level bare desert
18.00	Leave alkali desert and begin abrupt ascent on rocky slope
35.00	Top of spur ridge runs S. 80° E. 250 ft. above desert; thence along steep rocky slope to

Subdivision of T. 5 N R 17 W.

chains	
40.09	Set a granite stone 18x9x6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raise a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
80.18	The cor. of secs. 25-26-35 and 36
	Land level desert and mountainous
	Soil soft clay and alkali crust; and rocky 4th rate
	No timber.— Mountainous land 62.18 chs.—
	N. 0° 1' W. bet. secs. 25 and 26
	Over mountainous land
	Ascending abruptly in rock cliffs
7.15	Top of ridge bears E. and W. 150 ft. above cor.
	Descending abruptly
20.30	Descent becomes gradual 260 ft. below ridge course E. and W.
40.00	Set a quartzite stone 16x9x7 in. 11 in. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
56.76	Foot of slope and edge of desert cove, bears N.E. and S.E.
	Begin gradual ascent on S.E. slope
80.00	Set a porphyry stone 18x8x7 in. 12 in. in the ground for cor. of secs. 23-24-25 and 26 marked with 2 notches on S. and 1 notch on E. edge; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands 100 ft. above cove
	Land mountainous
	Soil gravelly and rocky 4th rate—
	No timber
	Low thorny shrub undergrowth—
	Mountainous land 80.00 chs.
	N. 89° 56' E. on a random line bet. secs. 24 and 25
40.00	Set limp. 1/4 sec. cor.
80.10	Intersect E. bdy. of Tp. 7 lks. S of cor. of secs. 19-24-25 and 30 as heretofore described
	Thence I run
	S. 89° 53' W. on a true line bet. secs. 24 and 25—
	Over level alkali desert
38.50	Leave desert and begin ascent on rocky slope course N. and S.W.

.18/800

Subdivision of T. 5 N. R. 17 W.

Chains	Enter mountainous land
40.05	A stationary granite stone 18 x 16 x 15 ins above ground for 1/4 sec cor; marked 1/4 on N. face; raise a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
44.80	Top of spur runs S.E. 50 ft. high; thence along broken S. slope to
80.10	The cor. of secs. 23-24-25 and 26
	Land level bare desert and mountainous
	Soil sticky clay and alkali salts, and rocky 4th rate
	No timber
	Low thorny shrub undergrowth
	May 27: At this cor I set off 21°12' N. on the decl. arc and at 11h 57m a.m. I not observe the sun on the meridian the resulting lat. is 41° 8' 40" N.
	N 0°1' W. bet. secs. 23 and 24
	Over mountainous land
	Ascending on gradual slope
15.00	Ascent becomes abrupt course E and W.
25.05	Top of ridge bears E. and W. 200 ft. above cor. —
	Begin abrupt descent
39.50	Foot of mountain bears easterly and westerly 275 ft. below top; enter alkali desert. — Leave Mountainous land
40.00	Set a porphyry stone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
67.50	Wash 7 ft. deep 40 ft. wide, water in hollows, drains E.
80.00	Set a porphyry stone 17 x 8 x 5 ins. 11 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. 5½ ft. dist and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land mountainous, and level desert
	Soil rocky and gravelly and clay with alkali salts 4th rate
	No timber
	Low scattering thorny shrub undergrowth
	Mountainous land 39.50 chs. —
	N. 89°53' E. on a random line bet. secs. 13 and 24
40.00	Set temp. 1/4 sec. cor.
80.22	Intersect E. bdy. of Tp. 16 lks. S. of cor. of secs. 13-18-19 and 24 as heretofore described

.50
40.50

Subdivision of T. 5 N. R. 17 W.

chains	
	Thence I run
	S 89° 46' W. on a true line bet. secs. 13 and 24
	Over level land
30.30	Wash drain N. 25° E 8 ft. deep 40 ft. wide, water in hollow
40.11	Set a porphyry stone 16 x 8 x 5 inc. 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 3½ ft. base 1½ ft. high N. of cor.
80.22	The cor. of secs. 13-14-23 and 24
	Land level alkali desert with low hillocks
	Soil clay and salts 4th rate
	No timber
	Low scattering thorny shrub and saltgrass
	N 0° 1' W bet secs. 13 and 14
	Over level land
40.00	Set a limestone 17 x 6 x 5 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.
80.00	Set a porphyry stone 16 x 8 x 6 ins. 11 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. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level alkali desert covered with low hillocks
	Soil clay and salts 4th rate
	No timber
	Scattering low thorny shrub undergrowth
	N. 89° 46' E. on a random line bet. secs. 12 and 13
40.00	Set temp 1/4 sec. cor.
80.16	Intersect E. bdy of Tp. 15 bet. N. of cor. of secs 7-12-13 and 18 as heretofore described
	Thence I run
	S. 89° 52' W. on a random line bet. secs. 12 and 13
	Over level land
19.60	Wash 6 ft. deep 50 ft. wide drain S. E.; water in hollow
40.05	Deposit a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit; In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the

Subdivision of T. 6 N. R. 17 W.

chains	
	ground marked
	1/4 S. 12 on N. face and 13 on S. face
80,16	The cor. of secs. 11-12-13 and 14
	Land level desert with low hillocks
	Soil clay and alkaline salts 4th rate
	No timber
	Scattering sprigs of shadscale undergrowth
	N. 0°1' W. bet. secs. 11 and 12
	Over level land
36,30	Wash 5 ft. deep 50 ft. wide drains S.E.; water in hollows
40,00	Set a porphyry stone 18×6×5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 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 18×7×5 ins 12 ins. in the ground for cor. of secs. 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges; dig pits 18×18×12 ins. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level desert covered with hillock 2 to 4 ft. high
	Soil clay and alkaline salts 4th rate
	No timber
	Scattering sprigs of thorny shrub
	May 27, 1903
	May 28 At 7h 18m a.m. I set off 41°11'16" N. on the lat. arc. 21°21' N. on the dec. arc and determine a meridian with the solar at the cor. of secs. 1-2-11 and 12 thence I run
	N. 89°52' E. on a random line bet. secs. 1 and 12
40,00	Set temp. 1/4 sec. cor.
80,20	Intersect E. bdy. of Tp. 5 lks. S. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence I run
	S. 89°50' W. on a true line bet. secs. 1 and 12
	Over level land.
40,10	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec cor.; dig pits 18×18×12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins in the ground marked

Subdivision of T. 5 N. R. 17 W.

0.00	1/4 S. 1 on N face and 12 on S. face
80.20	The cor. of secs. 1-2-11 and 12
	Land level desert with hillocks 3 to 4 ft. high
	Soil clay and alkaline salts 4th rate
	No timber
	Scattering thin growth of thorny shrub
	N 0°1' W on a random line bet. secs. 1 and 2
40.00	Set temp. 1/4 sec. cor.
83.37	Intersect N. bdy. of Tp. 36 N. R. 17 W. of cor. of secs. 1-2-35 and 36 as heretofore described
	Thence O run
	S. 0°14' W on a true line bet. secs. 1 and 2
	Over level land
43.37	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. On S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 2 on W. face and 1 on E. face
83.37	The cor. of secs. 1-2-11 and 12
	Land level desert with hillocks 3 to 4 ft. high
	Soil clay and alkaline salts 4th rate -
	No timber
	Scattering growth of thorny shrub. -
	From the standard cor. of secs. 34 and 35 on S. bdy of Tp. set by me April 17, 1903 O run.
	N. 0°2' W. bet. secs. 34 and 35
	Over mountainous land
	Along mountain ridge to
25.00	Begin descent on N.W. slope
40.00	Set a limestone 18 x 10 x 7 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor. stands at the head of ravine draining W.
	Ascending gradually to
58.50	Top of spur runs W. 130 ft. above 1/4 sec. cor.
	Descending to
71.00	Head of hollow drains W. 200 ft. deep; ascending
80.00	Set a black basaltic stone 18 x 10 x 7 inc. 12 inc. in the

Subdivision of T. 5 N. R. 17 W.

chains	ground for cor. of sec. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edge; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous about 700 ft. above desert Soil rocky, barren black lava mainly, 4th rate No timber.— Mountainous land 80.00 chs
	East on a random line bet. secs. 26 and 35
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 25-26-35 and 36
	Thence Snow
	West on a true line bet. secs. 26 and 35
	Over mountainous land
15.00	Top of spur runs S.E 200 ft. above cor.
	Thence along broken S slope and gradual ascent
40.00	Set a dark basaltic stone 18 x 10 x 6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable Ascent becomes abrupt on S.E. slope
57.60	Top of ridge bears S. 20° W and N. 20° E about 500 ft. above sec cor. Begin abrupt descent
80.00	The cor. of secs. 26-27-34 and 35 This cor stands 200 ft. below ridge Land mountainous Soil rocky 4th rate.— No timber Mountainous land 80.00 chs. May 28: The sky being overcast during the noon hour I was unable to observe the sun while on the meridian
	N 0° 2' W. bet. secs. 26 and 27 Over mountainous land Along W. slope to
15.10	Top of rocky spur runs N. 70° W. Begin abrupt descent
37.00	Descent becomes gradual; soil changing from rock to gravel, course E. and W.
40.00	Set a quartzite stone 17 x 9 x 7 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Subdivision of T5N R17W.

Chains	
60.00	Foot of slope; enter level white desert course E and W. 500 ft. below sec. cor.
	Leave mountainous land
80.00	Set a porphyry stone 18×7×6 ins. 12 ins. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges; dig pits 18×18×12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land mountainous and level desert
	Soil, barren rock, gravely, and clay with salt crust 4th rate
	No timber.
	Low thorny shrub undergrowth
	Mountainous land 60.00 chs.
	East on a random line bet. secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 5 lks. S. of cor of secs. 23-24 25 and 26
	Thence I run
	S 89°58' W. on a true line bet. secs. 23 and 26
	Over mountainous land
	Ascending to
11.00	Top of slope, and low ridge running N. and S. 60 ft above cor.
14.50	Begin descent on rolling slope
40.03	Set a granite stone 16×8×5 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raise a mound of stones 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable
42.00	Foot of slope bears N.W. and S.W. 140 ft. below ridge
	Enter white alkali desert
	Leave mountainous land
80.06	The cor. of secs. 22-23-26 and 27
	Land mountainous and level
	Soil gravely wash, and clay with crust of salts 4th rate
	No timber
	Low thorny shrub undergrowth
	Mountainous land 42.00 chs.

Subdivision of T.5 N.R.17 W.

Chains	N. 0° 2' W. bet. secs. 22 and 23
9.75	Dry wash 4 ft. deep, drains E
23.80	Dry wash 4 ft. deep 20 ft. wide drains E
40.00	Set a porphyry stone 18×6×6 ins. 12 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
50.72	Wash 8 ft. deep 40 ft. wide drains E.; water in hollows
80.00	Set a porphyry stone 18×6×6 ins. 12 ins. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges; dig pits 18×18×12 ins in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.—
	Land level desert
	Soil clay and alkaline salts 4th rate
	No timber.-
	A few thorny shrub scattering
	N 89° 58' E on a random line bet. secs. 14 and 23
40.00	Set lateh. 1/4 sec. cor.
80.00	Intersect N and S. line 12 lks N. of cor. of secs 13-14-23 and 24
	Thence Drain
	N. 89° 57' W. on a true line bet. secs. 14 and 23
	Over level land
31.60	Dry wash drains S.
37.77	Dry wash drains S.
40.00	Set a porphyry stone 17×5×5 ins 12 ins in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 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. 14-15-22 and 23
	Land level alkali desert
	Soil clay and salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	N. 0° 2' W. bet. secs. 14 and 15
	Over level land
40.00	Set a porphyry stone 16×6×6 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 ins.

Subdivision of T. 5 N. R. 17 W.

N and S of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
65.20 Dry wash 12 ft. wide drains S.E.
80.00 Set a porphyry stone 17 x 6 x 6 in. 12 in. in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges; dig pits 18 x 18 x 12 in. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land level, alkali desert
Soil clay and salts 4th rate
No Vegetation

May 28, 1903

May 29: At 7h 16m a.m. I set off 41°10'24" N. on the lat. arc 21°31' N. on the decl. arc and determine a meridian with the solar at the cor of secs. 10-11-14 and 15
Thence I run
S 89°57' E on a random line bet. secs. 11 and 14
40.00 Set temp. ¼ sec. cor.
79.96 Intersect N. and S. line at cor. of secs. 11-12-13 and 14
Thence I run
N. 89°57' W. on a true line bet. secs. 11 and 14
Over level land
23.14 Dry wash drains S.E.
39.98 Deposit a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
¼ S. 11 on N. face and 14 on S. face
79.96 The cor. of secs. 10-11-14 and 15
Land, level desert
Soil clay and alkaline salts 4th rate
No vegetation

N 0°2' W bet. secs. 10 and 11
Over level land
40.00 Set a porphyry stone 16 x 6 x 6 in 11 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of

Subdivision of T. 5 N. R. 17 W.

chains	earth 3½ ft base 1½ ft high W. of cor.
80,00	Set a porphyry stone 16 x 7 x 5 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 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 desert with hillocks 2 to 4 ft. high
	Soil clay and alkaline salts 4th rate
	No timber
	Scattering, low growth of thorny shrub
	S 89° 57' E. on a random line bet. secs. 2 and 11
40,00	Set temp. 1/4 sec. cor
80,00	Intersect N. and S. line 7 lks. S of cor of secs. 1-2-11 and 12
	Thence I run
	West on a true line bet. secs. 2 and 11
	Over level land
40,00	Set a porphyry stone 16 x 8 x 5 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 3½ ft. base 1½ ft. high N. of cor.
57,11	Dry wash drains S.E.
80,00	The cor. of secs. 2-3-10 and 11
	Land level desert with low hillocks
	Soil clay and alkaline salts 4th rate
	No timber
	Scattering, low, thorny shrub
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40,00	Set temp. 1/4 sec. cor.
83,26	Intersect N. bdy. of Tp. 26 lks. W. of cor. of secs. 2-3-34 and 35 as heretofore described
	Thence I run
	S. 0° 9' W. on a true line bet. secs. 2 and 3
	Over level land
43,26	Set a porphyry stone 16 x 7 x 6 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.
55,40	Dry wash 4 ft. deep 10 ft. wide drains S.E.
83,26	The cor. of secs. 2-3-10 and 11

Subdivision of T. 5 N. R. 77 W.

chains	Land, level desert with hillocks 2 to 3 ft. high close together soil clay and alkaline salts 4th rate No timber Low thorny shrub scattering
	From the standard cor. of secs. 33 and 34 on S. bdy of Tp. set by me April 16, 1903 I run N. 0° 2' W. bet. secs. 33 and 34 Over level land
4,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/4 S. 33 on W. face and 34 on E. face
8,00	Set a limestone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 27-28-33 and 34 marked with 1 notch on S. and 3 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 desert Soil clay and alkaline salts 4th rate No vegatation May 29: At this cor. I set off 21° 32' N. on the declare and at 11h 57m a.m. tmt. observe the sun on the meridian the resulting lat. is 41° 8' N.
	East on a random line bet. secs. 27 and 34
4,00	Set a temp 1/4 sec. cor.
79,90	Intersect N. and S. line 5 lks. S. of cor. of secs 26-27-34 and 35 Thence I run S. 89° 58' W on a true line bet. secs. 27 and 34 Over mountainous land Descending abruptly along ravine draining W.
20,00	Ravine turns N. 70° W: thence on N. W. slope
39,95	A perpendicular limestone ledge running E. and W. 3 ft. high 30 ft. long I mark 1/4 on N face 1 ft. above ground under a cross (+) for exact cor point; for 1/4 sec. cor. raise a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable.—

Subdivision of T. 3 N. R. 17 W.

chains	
47.60	Foot of mountain bears N. 20° E. and S. 20° W. 55.0 ft. below sec cor.
	Leave mountainous land
	Entire level alkali desert
79.90	The cor of secs. 27-28-33 and 34
	Land Mountainous and level
	Soil rocky, and clay with alkali salts 4th rate
	No timber
	Mountainous land 47.60 chs.
	N 0° 2' W. bet. secs. 27 and 28.
	Over level land
40.00	Set a limestone 15x8x6 inc. 10 inches in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x7x6 inc. 11 inc. in the ground for cor of secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges; dig pits 18x18x12 inc. in each sec 3½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level desert
	Soil clay and alkaline salts 4th rate
	No vegetation
	N 89° 58' 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 5 lks N. of cor. of secs. 22-23-26 and 27
	Thence I run
	Western a true line bet. secs. 22 and 27
	Over level land
17.66	Dry wash drains N.E.
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor.; dig pits 18x18x12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 22 on N. face and 27 on S. face
80.00	The cor of secs. 21-22-27 and 28
	Land level desert
	Soil clay and alkaline salts 4th rate

Subdivision of T. 5 N. R. 17 W.

Chains	No Vegatation
	N 0°2' W. bet secs. 21 and 22
40,00	Set a limestone 18×6×6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft. high W. of cor. -
49,96	Wash drains E.; 8 ft. deep 30 ft. wide water in hollows
67,35	Wash 5 ft. deep 12 ft. wide drains S. E.
80,00	Set a porphyry stone 16×7×6 ins. 11 ins. in the ground for cor. of secs. 15-16-21 and 22 marked
	5 N. on N. E. and
	17 W. on S. E. faces; with - 3 notches on S. and E. edges; dig pits 18×18×12 ins in each sec 5½ ft. dist. and raise a mound of earth - 4 ft. base 2 ft. high W. of cor.
	Land, level desert
	Soil clay and alkali salts 4th rate -
	No vegatation
	East on a random line bet. secs. 15 and 22
40,00	Set temp 1/4 sec. cor.
79,92	Intersect N. and S. line at cor. of secs. 14-15-22 and 23
	Thence I run
	West on a true line bet. secs. 15 and 22
	Over level land
1,45	Dry wash 8 ft. wide drains S.
39,96	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18×18×12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft. high over deposite - In E. pit drive a pine stake 2 ft. long 2 ins sq 12 ins. in the ground marked
	1/4 S. 15 on N. face and 22 on S. face
52,10	Wash 20 ft wide drains S. E.; water in hollows
79,92	The cor. of secs. 15-16-21 and 22
	Land level, desert
	Soil clay and alkaline salts 4th rate -
	No vegatation
	May 29, 1903.
	May 30: At 7h 15m a.m. Mt. I set off 41° 9' 30" N. on the lat. arc 21° 40' N. on the decl. arc and determine a

Subdivision of T. 5 N. R. 17 W.

chains	
	Meridian with the solar at the cor. of secs. 15-16-21 and 22
	Thence S. run
	N. 0° 2' W bet. secs. 15 and 16
	Over level land
38.25	Wash drain S.E. 18 ft wide 5 ft deep water in hollow
40.00	Set a limestone 16 x 8 x 5 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 3½ ft. base 1½ ft. high N. of cor.
80.00	Set a red porphyry stone 17 x 7 x 6 ins. 12 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 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, desert
	Soil clay and alkaline salts 4th rate
	No vegetation
	East on a random line bet. secs. 10 and 15
40.00	Set temp. 1/4 sec. cor
80.00	Intersect N. and S. line at cor. of secs. 10-11-14 and 15
	Thence S. run
	West on a true line bet. secs. 10 and 15
	Over level land
17.50	Dry wash drain S.E.
40.00	Deposit a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 10 on N. face and 15 on S. face
80.00	The cor. of secs. 9-10-15 and 16
	Land level, desert
	Soil clay and alkaline salts 4th rate
	No vegetation
	N. 0° 2' W. bet. secs. 9 and 10
	Over level land
40.00	Set a limestone 16 x 7 x 6 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.

Subdivision of T 5 N R 17 W.

chains	N and S of chain 3 ft. diet. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor
75,50	Wash 5 ft. deep 30 ft. wide drains S.E.; water in hollow
80,00	Set a limestone 17 x 8 x 6 ins. 11 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 5½ ft diet. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level, desert, covered with hillocks 2 to 3 ft. high
	Soil clay and alkali salts & sale
	No timber
	Low thorny shrub undergrowth scattering
	Exact on a random line bet. secs. 3 and 10
40,00	Set a temp. ¼ sec cor
79,94	Intersect N. and S. line 10 chs. N. of cor. of secs. 2-3-10 and 11
	Thence Drive
	N. 89° 56' W. on a true line bet. secs. 3 and 10
39,97	Deposite a quart of broken glass 12 ins. in the ground for ¼ sec cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor 4 ft. diet. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a firm stake 2 ft. long 2 ins sq 12 ins. in the ground marked
	¼ S. 3 on N. face and 10 on S. face
66,00	Dry wash drains S
79,94	The cor. of secs 3-4-9 and 10
	Land level, desert, covered with hillocks 2 to 3 ft. high
	Soil clay and alkaline salts & sale
	No timber
	Scattering, low thorny undergrowth
	N. 0° 2' W. on a random line bet. secs. 3 and 4
40,00	Set temp. ¼ sec. cor.
83,32	Intersect N. bdy. of Tp. 7 chs. W. of cor. of secs. 3-4-33 and 34 as heretofore described
	Thence Drive
	S. 0° 1' W on a true line bet. secs. 3 and 4
	Over level land
35,06	Dry wash drains S.E.
43,32	Set a limestone 15 x 8 x 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 ins

Subdivision of T 5 N R 17 W.

chains	
	N. and S of stone 3 ft dist. and raise a mound of earth 3½ ft base 1½ ft. high W. of cor.
83.32	The cor. of secs. 3-4-9 and 10
	Land level, desert covered with low hillocks
	Soil clay and alkaline salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	May 30; at this cor I set off 21°41' N. on the decl arc and at 11h 57m a.m. I mt observe the sun on the meridian the resulting lat. is 41°11'16" N
	From the standard cor. of secs. 32 and 33 on S. bdy of Tp. set by me April 16, 1903 I run
	N. 0° 3' W. bet. secs. 32 and 33
	Over level land
40.00	Set a limestone 15x7x6 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 limestone 16x7x6 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 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. desert.
	Soil clay and alkaline salts 4th rate
	No vegatation
	East on a random line bet. secs. 28 and 33
40.00	Set temp 1/4 sec. cor.
80.10	Intersect N. and S. line 7 lks. N. of cor. of secs 27-28-33 and 34
	Thence I run
	N 89° 57' W. on a true line bet. secs. 28 and 33
	Over level land
40.05	Set a limestone 16x9x5 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. –
80.10	The cor. of secs. 28-29-32 and 33
	Land level
	Soil clay and alkaline salts 4th rate
	No Vegatation

Subdivision of T. 5 N. R. 17 W.

Chains	
	N. 0° 3' W. bet. secs 28 and 29
	Over level land
40,00	Set a limestone 17x8x5 inc. 12 inc in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x7x5 inc. 12 inc 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 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkaline salts 4th rate
	No vegatation
	S. 89° 57' E. on a random line bet. secs. 21 and 28
40,00	Set length 1/4 sec. cor.
80,00	Intersect N. and S. line 12 chs S of cor of secs 21-22-27 and 28
	Stones Down
	S. 89° 58' W. on a true line bet. secs. 21 and 28
	Over level land
40,03	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc sq 12 inches the ground marked
	1/4 S. 21 on N. face and 28 on S. face
80,06	The cor of secs. 20-21-28 and 29
	Land level
	Soil clay and alkaline salts 4th rate
	No vegatation
	N. 0° 3' W bet. secs. 20 and 21
	Over level land
40,00	Set a limestone 17x6x6 inc. 12 inc in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x5x6 inc. 12 inc in the ground for

chain	cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 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 clay and alkaline salts 4th rate
	No vegetation
	May 30. 1903
	May 31: at 7h 30m a.m. P.M.T. I set off 41° 9' 30" N. on the bot. arc 21° 49' A. on the declinat and determined a meridian with the solar at the cor. of secs. 16-17-20 and 21 thence I run N 89° 58' E on a random line bet. secs 16 and 21
40,00	Set temp. ¼ sec. cor.
80,00	Intersect N. and S. line 5 links S. of cor. of secs. 15-16-21 and 22
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 16 and 21
	Over level land
40,00	Deposit on quart of broken glass 12 ins. in the ground for ¼ sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked ¼ S. 16 on N face and 21 on S. face
52,04	Wash 5 ft. deep 40 ft. wide drain S.E.; water in hollows
80,00	The cor of secs. 16-17-20 and 21
	Land level
	Soil clay and alkaline salts 4th rate
	No vegetation
	N. 0° 3' W. bet. secs. 16 and 17
	Over level land
24,68	Dry wash 5 ft deep 12 ft. wide drain S. 80° E.
40,00	Set a limestone 16x8x6 ins. 11 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.
43,15	Wash 4 ft deep 50 ft. wide drain S.E.; water in hollows
55,25	Dry wash 15 ft. wide drains S.E.
80,00	Set a limestone 16x7x6 ins 11 ins. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on

Subdivision of T. 5 N. R. 17 W.

chains	
	S and E edges; 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 clay and alkaline salts 4th rate
	No vegatation
	N. 89° 54' E. on a random line bet. secs. 9 and 16
40,00	Set temp. ¼ sec. cor.
79,92	Intersect N. and S. line 10 lks. N. of cor. of secs. 9-10 15 and 16
	Thence I run
	West on a true line bet. secs. 9 and 16
	Over level land
22,75	Dry wash drains S E.
39,96	Deposite a quart of broken glass 12 ins. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 ins. E and W of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E pit drive a pine stake 2 ft. long 2 ins sq. 12 ins in the ground marked
	¼ S. 9 on N. face and 16 on S. face
79,92	The cor. of secs. 8-9-16 and 17
	Land level
	Soil clay and alkaline salts 4th rate
	No vegatation
	N. 0° 3' W bet. secs. 8 and 9
	Over level land
40,00	Set a limestone 17 x 7 x 6 ins. 11 ins. in the ground for ¼ sec cor. marked ¼ 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. of cor.
80,00	Set a limestone 17 x 7 x 6 ins. 12 ins. in the ground for cor. of secs. 4-5-8 and 9 marked with 4 notches on E. and 5 notches on S. 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, desert with hillocks 2 to 3 ft. high
	Soil clay and alkaline salts 4th rate
	No timber

Subdivision of T. 5 N. R. 17 W.

chains	Thorny shrub undergrowth scattering
	East on a random line bet. secs 4 and 9
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line at cor. of secs 3-4-9 and 10
	Thence I run
	West on a true line bet. secs. 4 and 9
0,75	Walk 3 ft. deep, 20 ft. wide drain S.E.; water in hollow
40,00	Set a limestone 16 x 8 x 6 ins. 14 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.
80,00	The cor of secs. 4-5-8 and 9
	Land level desert with low hillocks
	Soil clay and alkaline salts 4th
	No timber
	Low thorny shrub undergrowth scattering
	May 31: The sky being overcast during the morn hours I was unable to observe the sun on the meridian
	N 0° 3' W on a random line bet. secs. 4 and 5
40,00	Set temp. 1/4 sec. cor.
83,24	Intersect N. bdy. of Tp. at cor. of secs. 4-5-32 and 33 as heretofore described
	Thence I run
	S 0° 3' E. on a true line bet. secs. 4 and 5
	Over level land
43,24	Deposit a quart of broken glass 12 ins in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. N and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In S. pit. drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked.
	1/4 S 5 on W. face and 4 on E. face
83,24	The cor. of secs. 4-5-8 and 9
	Land level, desert, with low hillocks
	Soil clay, and alkali salts 4th rate
	No timber
	Low, thorny shrub, undergrowth scattering
	From the standard cor. of secs. 31 and 32 on S. bdy. of Tp.

Subdivision of T.5 N.R.17 W.

Chains	
	Set by me April 16, 1903 I run
	N 0°4' W bet. secs. 31 and 32
	Over level land
4,000	Set a limestone 15×8×7 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 ins N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
8,000	Set a limestone 16×7×6 ins. 11 ins. in the ground for cor. of secs. 29-30-31 and 32 marked with 1 notch on S. and 5 notches on E edges; dig pits 18×18×12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat alkali desert
	Soil clay and salts 4th rate
	No vegatation
	East on a random line bet. secs. 29 and 32
4,000	Set temp. 1/4 sec. cor.
8,000	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
4,000	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18×18×12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq 12 ins. in the ground marked
	1/4 S. 29 on N. face and 32 on S. face
8,000	The cor. of secs. 29-30-31 and 32
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No vegatation.
	I sight the cor. of secs. 26-30-31 and 36 on W. bdy of Tp. and run
	West bet. secs. 30 and 31
	Over level land
4,000	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18×18×12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft.

chain	high over deposite.-
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 30 on N. face and 31 on S. face
79.90	Intersect W. bdy. of Tp. at cor. of secs. 25-30-31 and 36 as heretofore described
	Land flat, desert.-
	Soil clay and alkali salts 4th rate
	No vegetation
	N. 0°4' W. bet. secs. 29 and 30
	Over level land
40.00	Set a limestone 16 x 8 x 7 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 15 x 8 x 6 inc. 10 inc. in the ground for cor. of secs. 19-20-29 and 30 marked with 2 notches on S. and 5 notches on E edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegetation.-
	East on a meandered line bet. secs. 20 and 29
40.00	Set limes. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor. of secs. 20-21-28 and 29
	Thence Trans
	West on a true line bet. secs. 20 and 29
	Over level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.-
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 20 on N. face and 29 on S. face
80.00	The cor. of secs. 19-20-29 and 30
	Land flat, desert
	Soil clay and alkali salts 4th rate

Subdivision of T.5 N.R.17 W.

chains	
	No vegatation
	May 31. 1903
	June 1. At 7h 15m a.m. I set off 41°8'40" N on the lat. arc 21°55' N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 19-20-29 and 30. thence I sight the cor. of secs. 19-24-25 and 30 on W bdy of Tp and run
	West bet. secs. 19 and 30
	Over level land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 19 on N. face and 30 on S. face
79.84	Intersect the cor. of secs. 19-24-25 and 30 on W. bdy of Tp. as heretofore described. —
	Land, flat, desert. —
	Soil clay and alkali salts 4th rate
	No vegatation
	N 0°4' W bet. secs. 19 and 20
	Over level land
40.00	Set a limestone 16x9x8 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 limestone 17x9x6 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, flat, desert. —
	Soil clay and alkali salts 4th rate —
	No vegatation
	East on a random line bet. secs. 17 and 20.
40.00	Set limp. 1/4 sec. cor.
80.04	Intersect N. and S. line 5 lks S. of cor. of secs 16-17-20

chains	
	and 21
	Thence I run
	S 89° 58' W on a true line bet. secs 17 and 20
	Over level land
40.02	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins sq. 12 ins. in the ground marked
	1/4 S. 17 on N. face and 20 on S. face
80.04	The cor. of secs. 17-18-19 and 20.
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation
	I sight the cor. of secs. 13-18-19 and 24 on W. bdy. of Tp. and run
	N 89° 57' W bet. secs. 18 and 19
	Over level land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 ins sq. 12 ins. in the ground marked
	1/4 S. 18 on N. face and 19 on S. face
79.70	Intersect cor. of secs 13-18-19 and 24 on W. bdy. of Tp. as heretofore described
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation
	N. 0° 4' W bet. secs. 17 and 18
	Over level land
40.00	Set a limestone 16x8x5 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 limestone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 7-8-17 and 18 marked with 4 notches on S.

chains	
	and 21
	Thence I run
	S 89° 58' W on a true line bet. secs 17 and 20
	Over level land
40.02	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins sq. 12 ins. in the ground marked
	1/4 S. 17 on N. face and 20 on S. face
80.04	The cor. of secs. 17-18-19 and 20.
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation
	I sight the cor. of secs. 13-18-19 and 24 on W. bdy. of Tp. and run
	N 89° 57' W bet. secs. 18 and 19
	Over level land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 ins sq. 12 ins. in the ground marked
	1/4 S. 18 on N. face and 19 on S. face
79.70	Intersect cor. of secs 13-18-19 and 24 on W. bdy. of Tp. as heretofore described
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation
	N. 0° 4' W bet. secs. 17 and 18
	Over level land
40.00	Set a limestone 16x8x5 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 limestone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 7-8-17 and 18 marked with 4 notches on S.

chains	
39.58	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 7 on N. face and 18 on S. face
79.58	The cor. of secs. 7-8-17 and 18. Land mountainous and level. Soil gravely, and clay with alkali salts 4th rate. No timber. Low stunted shrub undergrowth on slope. Mountainous land 21. chs. —
	N. 0° 4' W. bet. secs. 7 and 8. Over level land.
21,80	Wash drains S.E.
40,00	Set a limestone 16x10x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 16x8x6 inc. 11 inc. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; dig pits 18x18x12 inc. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level, desert. Soil clay and alkali salts 4th rate. No vegatation.
	N. 89° 58' 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 12 chs. N. of cor. of secs. 4-5-8 and 9. Thence S. run N. 89° 57' W. on a true line bet. secs. 5 and 8. Over level land
39,98	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in

1.00
58.58

chains	
	the ground marked
	1/4 S. 5 on N. face and 8 on S. face
45,00	Wash 3 ft deep 60 ft. wide drains S.E.; water in hollows
79,96	The cor. of secs. 5-6-7 and 8
	Land level, desert covered with hillocks 2 to 3 ft. high
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	N 89° 57' W on a random line bet. secs. 6 and 7
40,00	Set temp. 1/4 sec. cor.
79,30	Intersect W. bdy of Tp. 7 bet. N. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence S 1 mile
	East on a true line bet. secs. 6 and 7
	Descending to
7,50	Foot of slope bears N. and S.E.; enter gravelbar
22,00	Enter alkali desert course N.W. and S.E.
39,30	Deposit a quart of broken glass 12 inches in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inches E. and W. of cor. 4 ft. deep and raise a mound of earth 3½ ft. base 1½ ft. high over deposits.
	In E. pit drive a pine stake 2 ft. long 2 inches sq. 12 inches in the ground marked
	1/4 S. 6 on N. face and 7 on S. face
79,30	The cor. of of secs. 5-6-7 and 8
	Land rolling and level
	Soil gravelly, and clay with alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 0° 4' W. on a random line bet. secs. 5 and 6
40,00	Set temp. 1/4 sec. cor.
83,16	Intersect N. bdy of Tp. at cor. of secs. 5-6-31 and 32 as heretofore described
	Thence I mile
	S. 0° 4' E. on a true line bet. secs. 5 and 6
	Over level land
20,80	Wash 4 ft. deep 30 ft. wide drains S.E.; water in hollows
43,16	Set a limestone 17 x 10 x 7 inches 12 inches in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inches

Subdivision of T. 3 N. R. 17 W.

Chains	N and S of chain 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
8316	The cor. of secs. 5-6-7 and 8.
	Land, level desert, covered with bullwhip 2 to 3 ft. high
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	June 1, 1903
	June 2: I return to the meridian established May 27 from Polaris. At 7h 5m a.m. I set off 41°09' N. on the lat. arc 22°6' N. on the decl arc and test the adjustments of my solar, finding it gives the same meridian as before, and conclude the adjustments remain as at that time. —
	June 2, 1903
	General Description
	This township is made up of level alkali desert and and nearly as barren steep rocky mountain ridges, and forms a part of the Great Salt Lake Desert. It is nearly barren of vegatation; the only thing growing is a thorny shrub having a very bitter taste, and the soil is highly alkaline. — The water standing in the washes has a milky color and is very salt and bitter, and is not fit for any use; nor will animals drink it. —
	There are no indications of minerals of any kind except the alkalies; the rocks composing the mountain ridges, composed of many varieties are all to much broken and fractured to be of value. —
	There are no improvements nor settlers. —
	Andrew P. Hannon
	U.S. Dep. 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 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.*

For final affidavits see book L3 Fr 7 N R 16 W, *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 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

For final affidavits see book L3 Fr 7 N R 16 W, *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

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 ....., 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book L³ Pg 7 [illegible]

..... 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 ....., 189

.....

SEAL

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904.

The foregoing field notes of the survey of The subdivision of lines of Township 5 North Range 17 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson under his contract No. 261, dated March 18, 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.

9-[illegible]

BLANK

PAGE

BLANK

PAGE

a.b.

4—679.

U.

BOOK A-302

FILED
FEB 3 1904

FIELD NOTES

OF THE SURVEY OF THE

East and North Boundaries

of

Township No 6 North Range No 17 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Hanson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18, 1903, ~~189~~

Survey commenced June 2 1903, ~~189~~

Survey completed June 3, 1903, ~~189~~

6—151

E- Bdry- lines- 6-08-44 ✓
N- " " 3-61-46 ✓
N- " Eight- 2-18-00 ✓

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman ..... Chainman

R J Froiseth ..... "

J F Hoffman ..... Mountman

Frank Hoffman Jr. ..... "

R J Froiseth ..... Axman

Frank Hoffman Jr. ..... "

B R Lawrence ..... Flagman

For preliminary affidavits see Book I. Fp 5 N R 16 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—151

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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

.....

.....

East Bdy. T. 6 N R 17 W.

Chains

Survey commenced June 2, 1903 and executed with a W & L. E. Gurley light mountain transit with solar attachment.- The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.-
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 6, 1903
Having this date tested the adjustments of the solar on a meridian established by Polaris observation and found them correct, as described at end of Book T: subdivision notes of T. 5 N R 17 W reference to which is hereby made I consider it unnecessary to repeat the test here.-

---

I begin at the cor. of Tps. 5 and 6 N. Rs. 16 and 17 W. as heretofore described; and at 8h 12m a.m. l.m.t. set off 4° 12' N. on the lat. arc 22° 6' N. on the decl. and determine a meridian with the solar; the magnetic bearing of which is N. 17° 50' W.; which gives the magnetic declination 17° 50' E.,
Thence I run
North bet. secs. 31 and 36
Over level land
6.10 Wash 5 ft. deep 25 ft. wide drains S.E.; water in hollows
40.00 Set a limestone 16 x 7 x 5 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.
56.40 Dry wash drains S.E.
80.00 Set a conglomerate limestone 17 x 5 x 8 ins. 12 ins. in the ground for cor. of secs. 25-30-31 and 36 marked with 1 notch on S. and 5 notches on N. 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, desert, with sand and clay hillocks
Soil clay and sand, and alkali salts 4th rate
No timber
Thorny shrub undergrowth scattering

North bet. secs. 25 and 30

East Bdy. T. 6 N. R. 17 W.

chains	
	Over level land
40.00	Set a limestone 16x8x6 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
58.18	Dry wash drains E.
80.00	Set a limestone 16x8x7 ins. 11 ins. in the ground for cor. of secs. 19-24-25 and 30 marked with 2 notches on S. and 4 notches on N. 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, desert
	Soil clay and alkali salts 4th rate
	No vegetation. –
	North bet. secs 19 and 24
	Over nearly level, bare, alkali land
25.00	Land becomes rough with sand dunes and clay ridges bears N.W. and S.E.
40.00	Set a limestone 17x7x6 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 limestone 18x7x6 ins. 12 ins. in the ground for cor. of secs. 13-18-19 and 24 marked with 3 notches on N. and S. 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 flat desert and rough hillocks and ridges
	Soil clay and sand and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth – scattering
	North bet. secs. 13 and 18
	Over sand dunes and clay ridges
2.00	Enter flat surface with alkali crust
40.00	Set a limestone 16x7x6 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 limestone 16x7x5 ins. 11 ins. in the ground for cor. of secs. 7-12-13 and 18 marked with 2 notches on N.

Chains	and 4 notches on S. 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 nearly level, rough, and alkali flats Soil clay and sand with alkali salts 4th rate No timber Thorny shrub undergrowth scattering
	North bet. secs 7 and 12 Over flat alkali desert
20,00	Enter rough surface, sand and clay ridges; bears E. and W.
40,00	Set a limestone 16x7x5 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 limestone 16x7x5 ins. 11 ins. in the ground for cor. of secs. 1-6-7 and 12 marked with 1 notch on N. and 5 notches on S. 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 alkali flats and rough ridges Soil clay and sand with alkali salts 4th rate No timber Thorny shrub undergrowth — June 2: at this cor I set off 22°7' N. on the decl arc and at 11h 58' a.m. I.m.t observe the sun on the meridian the resulting lat. is 41°16'30" N.
	North bet. secs. 1 and 6 Over rough broken surface
40,00	Set a limestone 16x6x6 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.
88,44	Set a limestone 18x6x6 ins. 12 ins. in the ground for cor. of Tps. 6 and 7 N. RS. 16 and 17 W. marked T 7 N on N.E. 16 W. on S.E. 6 N on S.W and 17 W. on N.W. faces; with 6 notches on each edge; dig pits.

East Bdy. of T. 6 N. R. 17 W.

Chains	24×24×12 in. 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 2½ ft. high S. of cor.
	Land, rough broken ridges and hillocks
	Soil clay and sand, and alkali salts 4th rate
	No timber
	Rank thorny shrub undergrowth
	From the Tp. cor. last described I run
	West on a random line along the N. bdy of Tp. 6 N. R. 17 W. setting temp. ¼ sec and sec. cors. at intervals of 40.00 chs.; and at 4 79.46 chs. I intersect the E. bdy of T. 7 N. R. 18 W. 15 chs N. of the cor. of Tps. 6 and 7 N. Rs. 17 and 18 W. as heretofore described:
	The falling answers to a correction of 0°1' or 2½ chs. N. per mile counting from the N.W. cor of Tp.; therefor I run
	N 89° 59' E. bet. secs. 6 and 31 marking true line
	Over nearly level, rough land
39.46	Set a quartzite stone 16×7×6 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18×18×12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft. high N. of cor
79.46	Set a limestone 15×7×7 in. 12 in in the ground for cor. of secs. 5-6-31 and 32 marked with 1 notch on W. and 5 notches on E. edge; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth - 4 ft. base 2 ft. high W. of cor.
	Land level, but rough; cut by gullies
	Soil clay and some alkali 4th rate
	No timber
	Thorny shrub undergrowth
	N. 89° 59' E bet. secs. 5 and 32
	Over rough, nearly level land
40.00	Set a limestone 16×6×6 in. 11 in. in the ground for ¼ sec cor. marked ¼ on N. face; dig pits 18×18×12 in. 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 limestone 15×7×6 in. 10 in. in the ground for cor. of secs. 4-5-32 and 33 marked with 2 notches on W. and 4 notches on E. edge; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base

North - 13 day of T 6 N. R 17 W

Claim	2 ft. high N. of cor.
	Land rough nearly level
	Soil, clay and some alkali. 4th rate
	No timber
	Thorny shrub undergrowth
	June 2, 1903
	June 3: At 7h 30m A.M. I set off 41°17'30" N. on the lat. arc 22°14' N on the decl. arc and determine a meridian with the solar at the cor of secs 4-5-32 and 33 on N. bdy of Tp.
	Thence I run
	N 89°59' E. bet. secs. 4 and 33
	Over nearly level, rough land
40,00	Set a limestone 17x6x6 inc. 11 inc. in the ground for 1/4 sec cor. marked 1/4 on N. face; dig pits 18x18x12 inc. E and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
59,00	Dry wash drain. S 30° E
80,00	Set a limestone 16x7x6 inc. 11 inc. in the ground for cor. of secs 3-4-33 and 34 marked with 3 notches on E. and W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft base 2 ft. high N. of cor. —
	Land rough nearly level.
	Soil, clay, sand, and some alkali 4th rate
	No timber
	Thorny shrub undergrowth —
	N 89°59' E bet. secs 3 and 34
	Over nearly level rough land
40,00	Set a limestone 16x8x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
58,00	Foot of mountain bears N. and S.; begin ascent
	Enter mountainous land
80,00	Set a limestone 18x8x6 inc. 12 inc. in the ground for cor of secs. 2-3-34 and 35 marked with 2 notches on E and 4 notches on W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.

0,00 / 6,00

Chains	
	Land rolling and mountainous
	Soil clay and gravel 4th rate
	No timber
	Thorny shrub undergrowth 2 to 4 ft. high
	Mountainous land 18.00 chs. —
	N 89° 59' E bet. secs. 2 and 35
	Over mountainous land
	Ascending to
28.50	Top of slope, and ridge bears N. and S. 400 ft. high
	Enter plateau
40.00	Set a limestone 17 x 8 x 6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
42.75	Begin abrupt descent, bears N. and S.
64.00	Enter nearly level land, course N. and S. 400 ft. below ridge
	Leave mountainous land and
	Enter dense undergrowth
80.00	Set a limestone 18 x 7 x 6 inc. 12 inc. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor
	Land mountainous, and rough nearly level
	Soil rocky, gravel and clay 4th rate
	No timber
	Dense thorny shrub undergrowth 2 to 4 ft. high on E. 16.00 chs.
	Mountainous land and Dense undergrowth 8.00 chs. —
	N. 89° 59' E. bet. secs. 1 and 36
	Through dense undergrowth
	Over rough rolling land
40.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. 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	Intersect the cor. of Tps. 6 and 7 N. Rs. 16 and 17 W.
	Land rough, rolling
	Soil clay, gravel and some alkali 4th rate
	No timber

North Bdy. of T.6 N.R.17 W.

Dense thorny shrub undergrowth 2 to 4 ft. high
Dense undergrowth 80,00 chs

June 3, 1903

Boundaries of T.6 N.R.17 W.
Latitudes departures and closing errors

Line designated	True bearing	Distance chs	Latitudes A. chs	Latitudes S. chs	Departures E. chs	Departures W. chs
South Bdy	East	479,06			479.06	
East "	North	488.44	488.44			
North "	S 89°59' W.	479.46		0,15		479.46
West "	S 0°15' E.	488.44		488.44	2,13	
Convergency						0,63
			488.44	488.59	481.19	480.09
Totals				488.44	480,09	
Errors			of Lat.	0.15 Dep.	1.10	

General Description

For general description see field notes of subdivision of this Tp. "Book V"

Andrew P. Hanson
G.L.D.G. Surveyor

BLANK

PAGE

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 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.*

For final affidavits see book Z', Tp 6 N R 16 W, *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 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book Z', Tp 6 N R 16 W, *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

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 ....., 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book 1, Tp 6 N R 16 W

..... 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 ....., 189

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904

The foregoing field-notes of the survey of The East & North Boundaries Township 6 North Range 17 West of the Salt Lake Base & Meridian, Utah

executed by Andrew R. Hanson under his contract No. 261, dated March 18, 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.

8-131

BLANK

PAGE

BLANK

PAGE

4—679.

V

BOOK A-302

FILED FEB 3 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No. 6 N Range No. 17 W.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hansen, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18, 1903, 189

Survey commenced June 3, 1903, 189

Survey completed June 9, 1903, 189

6—151

High 35-16-50 ✓
Low - 25-23-14 ✓

60.31.6

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - - - - Chainman

R J Froisith - - - - Chainman

J F Hoffman - - - - Moundman

Frank Hoffman Jr. - - - Moundman

R J Froisith - - - - - - - Axman

Frank Hoffman Jr. Axman

B R Lawrence - - - Flagman

For preliminary affidavits see book L. Tp 4 N R 18 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—151

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 ....., 189

.....

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 ....., 189

.....

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, ..., 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 ....., 189

.....

SEAL

.....

Subdivision of T.6 N R 17 W

Chains	Survey commenced June 3rd 1903 and executed with a W & L E Gurley light mountain transit with solar attachment: The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.- The instrument was examined, tested on the true meridian at Salt Lake City, found correct and was approved by the surveyor general April 6, 1903 Having tested the adjustments of the solar June 2 1903 on a meridian established from Polaris as described at end of field notes of subdivision of T 5 N. R 17 W Book T and found them correct and being confident the instrument still remains in proper adjustment I consider it unnecessary to repeat the test at this time.-
	I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. of T.6 N.R.17 W. as heretofore described, and at 2h 40m p. m., l.m.t. set off 41°12' N. on the lat. arc 22°15' 30" N. on the decl. arc determining a meridian with the solar the magnetic bearing of which is N. 17°50' W which gives the magnetic declination 17°50' E.-
	Thence True
	N. 0°1' W. bet. secs. 35 and 36
	Over level, rough land
2.68	Wash 5 ft. deep 25 ft. wide drains E.; water in hollows
40.00	Set a limestone 16x7x6 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 limestone 16x8x5 ins 11 ins in the ground for cor. of secs. 25-26-35 and 36 marked with 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, in part covered with sand and clay hillocks
	Soil clay and sand, and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering

Subdivision of T. 6 N. R. 17 W.

chains	
	East on a random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
79.86	Intersect E. bdy of Tp. 12 lks. S of cor. of secs 25-30-31 and 36 as heretofore described
	Thence I run
	S. 89°55' W on a true line bet. secs. 25 and 36
	Over level land
39.93	Set a limestone 17x6x6 inc. 12 inc. in the ground for 1/4 sec. cor. - marked 1/4 on N. face; dig pits 18x18x12 inc. 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. 25-26-35 and 36
	Land, level, desert
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 0°1' W. bet. secs. 25 and 26
	Over level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. N. and S. of stone 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 26 on W face and 25 on E. face
80.00	Set a dark trap stone 15x7x6 inc. 10 inc. 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 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level, desert. -
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	N. 89°55' 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. 19 lks. N. of cor. of secs. 19-24-25 and 30 as heretofore described
	Thence I run

Subdivision of T. 6 N. R. 17 W.

Chains	
	N 89° 57' W on a true line bet. secs. 24 and 25
	Over level land
40.00	Set a limestone 16 x 6 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. 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. 23-24-25 and 26
	Land level, desert
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	N 0° 1' W. bet. secs. 23 and 24
	Over level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 23 on W. face and 24 on E. face
55.00	Foot of mountain bears N E and S. W.; begin ascent
	Entire mountainous land
80.00	A stationary limestone 24 x 18 x 15 inc. above ground for cor. of secs. 13-14-23 and 24 I mark with 3 notches on S. and 1 notch on E. edge; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	This cor stands 300 ft. above desert
	Land level and steep, broken mountainous slope
	Soil clay and alkali salts; and gravelly and rocky 4th rate
	No timber
	Low thorny shrub undergrowth —
	Mountainous land 25.00 chs. —
	S. 89° 57' E on a random line bet. secs. 13 and 24.
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect E. bdy. of Tp. 14 the N. of cor of secs. 13-18-19 and 24 as heretofore described
	Thence I run
	N 89° 57' W. on a true line bet. secs. 13 and 24
	Over rough land and sand dunes to

25.00/55.00

Subdivision of T 6 N R 17 W.

Chains	
3,00	Leave dunes, enter flat desert covered N.E. and S.W.
39,95	Deposit a quart of broken glass 12 in. in the ground for 1/4 sec cor; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit. In E. pit drive a fine slate 2 ft. long 2 in. sq. 12 in. in the ground marked 1/4 S. 13 on N. face and 24 on S. face
60,00	Foot of mountain bears N.E. and S.W.; begin ascent. Enter mountainous land
79,90	The cor. of secs. 13-14-23 and 24 300 ft. above desert Land level and mountainous Soil clay and sand with alkali salts and rocky 4th rate No timber Low thorny shrub undergrowth scattering Mountainous land 19.90 chs. — June 3, 1903
	June 4: At 7h 10m a.m. l.m.t. I set off 41°14'45" N. on the lat. arc. 22°21'30" N. on the decl. arc and determine a meridian with the solar at the cor of secs. 13-14-23 and 24. Thence I run N 0°1' W bet. secs. 13 and 14 Over mountainous land Ascending on abrupt slope to
6,00	Enter bench, course N.E. and S.W. 75 ft. above cor.
40,00	Set a slate stone 17x7x5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
49,00	Begin abrupt descent, course N.W. and S.E.
55,00	Descent becomes gradual on N.E. slope
80,00	Set a conglomerate limestone 18x6x5 in. 12 in. 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 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. This cor. stands 200 ft. below bench Land mountainous Soil gravelly and rocky 4th rate No timber Thorny shrub undergrowth—

Subdivision of T. 6 N. R. 17 W.

Chains	Mountainous land 80.00 chs.
	S 89° 51' 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 as heretofore described. –
	Thence I run
	N 89° 51' W. on a true line bet. secs. 12 and 13
	Over level land
22.50	Foot of mountain bears N. and S.; begin gradual ascent on rolling slope. –
	Enter Mountainous land
40.00	Set a limestone 16 x 6 x 6 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 3½ ft. base 1½ ft. high N. of cor
80.00	The cor. of secs. 11-12-13 and 14
	This cor stands 175 ft. above the desert
	Land level and mountainous
	Soil clay with alkali salts and gravely 4th rate –
	No timber.
	Low thorny shrub undergrowth –
	Mountainous land 57.50 chs. –
	N. 0° 1' W. bet. secs. 11 and 12
	Over mountainous land
	Descending gradually over rolling slope
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 11 on W face and 12 on E. face
80.00	Set a limestone 15 x 6 x 6 ins. 10 ins. in the ground for cor. of secs. 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges; 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
	This cor stands 175 ft. below cor of secs. 11-12-13 and 14
	Land Mountainous broken slope
	Soil gravely drift. 4th rate

7.50
22.50

Subdivision of T. 6 N. R. 17 W.

chains	No timber Thorny shrub undergrowth Mountainous land 80.00 chs. –
	S. 89° 51' E. on a random line bet. secs. 1 and 12
4.00	Set temp. 1/4 sec cor.
79.94	Intersect E. bdy. of Tp. 22 chs. S. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence S. run
	West on a true line bet. secs. 1 and 12
	Over level land, but rough
39.97	Set a limestone 16 x 7 x 6 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 3½ ft. base 1½ ft. high N. of cor.
52.00	Foot of mountain bears N. and S.W.; begin abrupt ascent
	Enter mountainous land
61.60	Top of rocky spur runs S. and breaks abruptly to descent at 3 chs. – 120 ft. high
	Begin abrupt descent on rocky slope to
64.10	Foot of slope 100 ft. below ridge: thence along S. slope to
76.60	Dry wash drains S.E. and gradual ascent to
79.94	The cor. of secs 1-2-11 and 12
	Land level and mountainous
	Soil clay and sand with alkali salts and rocky 4th nate
	No timber
	Low thorny shrub undergrowth
	Mountainous land 27.94 chs.
	N. 0° 1' W. on a random line bet. secs. 1 and 2
4.00	Set temp. 1/4 sec cor.
58.66	Intersect N. bdy. of Tp. at cor of secs. 1-2-35 and 36 as heretofore described
	Thence S. run
	S. 0° 1' E. on a true line bet. secs. 1 and 2
	Through dense undergrowth
	Over nearly level rough surface
38.00	Foot of mountain bears N.W. and S.E.; begin ascent
	Leave dense undergrowth; and enter mountainous land
48.66	Set a limestone 16 x 8 x 6 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

27.94 / 52.00

Subdivision of T. 6 N. R. 17 W.

Chains	1½ ft. high W. of cor.
72.05	Top of ridge bears N.W. and S.E. 250 ft. high
	Descending on broken slope
85.10	Dry wash drains S.E. at foot of slope
88.66	The cor. of sec. 1-2-11 and 12.
	Land nearly level rough, and mountainous
	Soil clay and alkali salts, and gravely and rocky 4th rate
	No timber
	Dense growth of thorny shrub on level and low on Mountain
	Dense undergrowth on mountainous land 88.66 chs.
	June 4: The sky being overcast during the noon hour I could obtain no observation on the sun, on the Meridian. —
	From the cor. of sec. 2-3-34 and 35 on S. bdy. of Tp. as heretofore described I run
	N. 0° 2' W. bet. secs. 34 and 35
	Over nearly level land
24.70	Wash drains S. 80° E.; water in hollows
40.00	Deposite a quart of broken glass 12 inc. in the ground for ¼ sec. cor.; dig pits 18x18x12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. — In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	¼ S 34 on W. face and 35 on E. face
80.00	Set a limestone stone 18x7x6 inc. 12 inc. in the ground for cor. of secs. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough and covered with hillocks
	Soil clay and sand, and alkali salts 4th rate
	No timber
	Rank growth of thorny shrub undergrowth —
	East on a random line bet. secs. 26 and 35
40.00	Set temp ¼ 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

Subdivision of T.6 N.R.17 W.

chains	
	Over nearly level, rough land
40,00	Set a limestone 16x7x6 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.
78,05	Dry wash bearing S.20° E.
80,00	The cor. of secs. 26-27-34 and 35
	Land rough, gullied and covered with hillocks
	Soil clay, and some alkali salts 4th rate
	No timber
	Rank growth of thorny undergrowth
	N.0°2' W. bet. secs. 26 and 27
	Over nearly level, rough land
5,00	Dry wash from N. turns S.E.; thence along wash
30,00	Dry wash from N.W. turns S.; leave wash
40,00	Deposite a quart of broken glass 12 ins in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. N and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a fine stake 2 ft long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 27 on W. face and 26 on E. face
70,00	Foot of mountain bears N.W. and S.E.; begin ascent
	Enter mountainous land
80,00	Set a dark basaltic stone 17x6x6 ins. 11 ins. in the ground for cor. of secs. 22-23-26 and 27 marked with 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 rough, covered with hillocks and gullies and
	Mountain slope
	Soil clay and gravel, and alkali salts 4th rate
	No timber
	Dense growth of thorny shrub undergrowth
	Mountainous land 80,00 chs.
	East on a random line bet. secs. 23 and 26
40,00	Set temp. 1/4 sec. cor.;
80,04	Intersect N. and S. line at cor of secs 23-24-25 and 26
	Thence S run
	West on a true line bet. secs. 23 and 26

Subdivision of T. 6 N. R. 17 W.

Chains	
	Over level land.
30.00	Foot of mountain bears N. and S.; begin ascent
	Enter mountainous land
40.02	Set a quartzite stone 16 x 7 x 5 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 cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
56.50	Top of mountain bears N. and S. 180 ft. high
60.00	Begin descent on broken slope
80.04	The cor. of secs. 22-23-26 and 27
	Land level and mountainous
	Soil clay and alkali salts, and gravely and rocky, 4th rate
	No timber
	Low thorny shrub undergrowth
	N. 0° 2' W. bet. secs. 22 and 23
	Over mountainous land
	Along rolling W. slope near bottom
30.00	Leave mountainous land, bears S. 10° W. and N. 10° E.
	Enter rough, rolling, land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.—
	In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 22 on W. face and 23 on E. face
80.00	Set a limestone 16 x 7 x 6 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. edges; 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 mountainous slope and rolling
	Soil, clay and gravel, with alkali salts 4th rate
	No timber
	Dense thorny shrub undergrowth
	Mountainous land 30.00 chs.—
	June 4, 1903
	June 5: at 7h 15m a.m., T.M.T. I set off 41° 14' 45" N. on the lat arc 22° 29' N. on the decl. arc and determine

30.00
50.00

Subdivision of T. 6 N R 17 W

Chains	
	a meridian with the solar at the cor of secs. 14-15-22 and 23
	Thence I run
	East on a random line bet. secs. 14 and 23
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 7 lks. S of cor. of secs. 13-14-23 and 24
	Thence I run
	S. 89°57' W on a true line bet. secs. 14 and 23
	Over mountainous land
	Ascending abruptly on rocky slope to
3.00	Ascent becomes gradual, course N 30° E and S. 30° W.
11.00	Top of mountain bears N. and S 115 ft. above cor.
13.00	Begin descent on broken slope
42.05	Set a sandstone 18x9x6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 in. 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	Foot of mountain bears N. and S. 400 ft. below top
	Leave mountainous land
	Enter rolling surface
80.10	The cor. of secs. 14-15-22 and 23
	Land mountainous and rolling
	Soil gravely, rocky and clay, 4th rate
	No timber.

	N. 0° 2' W. bet. secs. 14 and 15
	Through dense undergrowth
11.76	Wash drains S.W.
40.00	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18x18x12 in. N and S. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 15 on N. face and 14 on E. face
80.00	Set a limestone 18x8x5 in. 12 in. in the ground for cor of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	This cor stands at foot of mountain, course N. 20° W. and S. 20° E.

Subdivision of T. 6 N. R. 17 W.

chains	Land, rough covered with hillocks and ridges Soil clay and some alkali salts 3rd rate No timber Dense thorny shrub undergrowth 2 to 4 ft. high Dense undergrowth - 80.00 chs. —
	N 89° 57' E. on a random line bet. secs. 11 and 14
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect N and S. line 14 chs. N of cor of secs 11-12-13 and 14
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 11 and 14
	Over mountainous land
	Ascending rolling slope
39.96	Set a conglomerate limestone 20 x 15 x 4 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 3½ ft. base 1½ ft. high N. of cor.
48.50	Top of ridge course N. 20° W. and S. 20° E. 240 ft. above sec. cor.
	Descending to
53.60	Bottom of hollow 50 ft. deep drain S 10° E.: Ascending
58.00	Top of ridge bears N 20° W and S 20° E 60 ft. above hollow
	Descending steep slope to
75.00	Perpendicular bluff 40 ft. high bears N. 25° 0 chs.
79.92	The cor. of secs. 10-11-14 and 15
	This cor stands 225 ft. below ridge
	Land mountainous
	Soil gravelly and rocky 4th rate
	No timber
	Mountainous land 79.92 chs.
	N. 0° 2' W bet. secs. 10 and 11
	Over mountainous land
	Ascending to
15.20	Top of spur running W. 100 ft. high
	Thence on gradual descent over broken slope
27.00	Ravine 40 ft. deep drain W. — Ascending
40.00	Set a limestone 15 x 7 x 6 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. —
	This cor. stands on top of spur running W.

Chains	
80.00	Descending gradually over rolling slope to— Set a limestone 16x6x6 in. 11 in. in the ground for cor. of secs. 2-3-10 and 11 marked with 5 notches on S. and 2 notches on E. edges: dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land mountainous rich broken slope
	Soil gravely 4th rate
	No timber
	Low thorny shrub undergrowth—
	Mountainous land 80.00 chs.—
	S. 89° 57' E. on a random line bet. secs. 2 and 11
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 8 chs. S. of cor. of secs. 1-2-11 and 12
	Thence I run
	West on a true line bet. secs. 2 and 11
	Over mountainous land
	Ascending on rolling slope
40.00	Set a limestone 16x8x5 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on N. face: dig pits 18x18x12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
66.60	Top of mountain bears N. and S. 4.00 ft. above sec. cor.
	Descending abruptly to
80.00	The cor. of secs. 2-3-10 and 11
	This cor stands 290 ft. below ridge
	Land mountainous
	Soil gravely and rocky 4th rate.— No timber
	Mountainous land 80.00 chs.—
	June 5: At this cor. I set off 22° 29' W on the declinator and at 11h 58m a.m. l.m.t. observe the sun on the meridian; the resulting lat. is 41° 16' 30" N.
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40.00	Set temp. ¼ sec. cor.
88.54	Intersect N. bdy. of Tp. 7 N. R. 1 E. of cor. of secs. 2-3-34 and 35 as heretofore described
	Thence I run
	S. 0° 5' E on a true line bet. secs. 2 and 3
	Over mountainous land

Subdivision of T. 6 N. R. 17 W.

Chains	
	Ascending gradually on rolling W. slope
20,00	Top of spur runs W.
	Thence on gradual descent
48,54	Set a limestone 16 x 8 x 6 inc. 11 inc in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
	This cor. stands on a rocky spur running W.
50,50	Bottom of hollow drains W. 60 ft. deep.
	Ascending to
64,80	Top of spur runs W.
	Descending steep slope to
88,54	The cor. of secs. 2-3-10 and 11
	This cor. stands 170 ft. below spur
	Land mountainous
	Soil gravelly 4th rate
	No timber
	Mountainous land 88.54 chs

	From the cor of secs. 3-4-33 and 34 on S. bdy. of Tp. as heretofore described I run
	N. 0° 2' W. bet. secs. 33 and 34
	Over rough surface
18,00	Dry wash drains S. E.
40,00	Deposite a quart of brown glass 12 inc in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
77,18	Dry wash drains S. E.
79,37	Dry wash drains S. E.
80,00	Set a limestone 16 x 8 x 8 inc. 11 inc. in the ground for cor. of secs. 27-28-33 and 34 marked with 1 notch on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, but rough
	Soil clay and alkali salts 4th rate
	No timber
	Rank growth of stunted shrub undergrowth

	East on a random line bet. secs. 27 and 34

Subdivision of T. 6 N. R. 17 W.

Chains	
40,00	Set temp. 1/4 sec. cor.
80,04	Intersect N. and S. line at cor. of secs. 26-27-34 and 35
	Thence I run
	West on a true line bet. secs. 27 and 34
	Over nearly level land
40,02	Set a limestone 16x8x5 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.
77,30	Dry wash 4 ft. deep 10 ft. wide drains S.E.
80,04	The cor. of secs. 27-28-33 and 34
	Land rough, gullied and full of hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub undergrowth
	N. 0°2' W. bet. secs. 27 and 28
	Through dense undergrowth
	Over nearly level land
14,14	Dry wash drains S.E.
40,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor; dig pits 18x18x12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 28 on W. face and 27 on E. face
80,00	Set a limestone 18x7x6 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. edges; dig pits 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land rough gullied and covered with hillocks
	Soil clay and alkali salts 4th rate
	Heavy growth of thorny shrub 2 to 4 ft. high
	Dense undergrowth 8,000 chs.
	June 5. 1903

June 6: at 7h 15m a.m. I set off 41°14' N. on the lat. arc 22°35' N. on the decl arc and determine a

Subdivision of T. 6 N. R. 17 W.

chains	
	Meridian with the solar at the cor. of sec. 21-22-27 and 28
	Thence Drawn
	East on a random line bet. sec. 22 and 27.
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line 12 lks. S. of cor. of sec. 22-23-26 and 27
	Thence Drawn
	S. 89°55' W. on a true line bet. sec. 22 and 27
	Over nearly level land; descending gradually
	Through dense undergrowth
3,00	Foot of mountain bears N. and S. 20 ft. below cor.
17,50	Wash drains S. water in hollows
40,00	Set a limestone 16 x 12 x 8 inc. 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 3½ ft. base 1½ ft. high N. of cor.
71,00	Wash drains S.
80,00	The cor. of sec. 21-22-27 and 28
	Land rough gullied and covered with hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth 80,00 chs. —

	N. 0°2' W. bet. sec. 21 and 22
	Through dense undergrowth
	Over rough land
40,00	Deposit a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 21 on W. face and 22 on E. face
59,25	Dry wash drains S. 25° E.
80,00	Set a limestone 16 x 7 x 5 ins. 11 ins. in the ground for cor. of sec. 15-16-21 and 22 marked
	6 N. on N. E. and
	17 W. on S. E. faces with 3 notches on S. and E. edges; 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 rough covered with washes and ridges

Subdivision of T. 6 N. R. 17 W.

chains	Soil clay and alkali salts 4th rate No timber Heavy growth of thorny shrub 2 to 5 ft. high Dense undergrowth - 80.00 chs
	N. 89° 55' E. on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 12 chs. N. of cor. of secs. 14-15-22 and 23
	Thence S. on
	West on a true line bet. secs. 15 and 22
	Through dense undergrowth
	Over rough land
5.00	Wash drain S.; water in hollow
30.00	Wash drains S.
40.00	Set a limestone 16 x 8 x 6 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 3½ ft. base 1½ ft. high N. of cor
80.00	The cor. of secs. 15-16-21 and 22
	Land rough covered with ridges and hillocks
	Soil clay, and loose sand, with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth 80.00 chs.
	N. 0° 2' W. bet. secs. 15 and 16
	Through dense undergrowth
	Over rough land
40.00	Set a limestone 16 x 7 x 5 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 cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
45.65	Dry wash drains S.E.
80.00	Set a limestone 16 x 7 x 6 ins. 11 ins in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges; 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 rough covered with ridges and hillocks
	Soil clay and loose sand, with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high

Subdivision of T. 6 N. R. 17 W.

chains	
	Dense undergrowth - 80.00 chs
	East on a random line bet. secs. 10 and 15
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at cor of secs. 10-11-14 and 15
	Thence S. run
	West on a true line bet. secs. 10 and 15
	Through dense undergrowth
	Over rough land
5.15	Dry wash drains S.
34.65	Dry wash drains S. 15° E.
40.00	Set a limestone 16x8x6 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.
63.36	Dry wash drains S.
80.00	The cor. of secs. 9-10-15 and 16
	Land rough, covered with ridges and hillocks
	Soil clay and sand, with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth - 80.00 chs
	June 6: at this cor I set off 22° 36' N. on the decl. arc and at 11h 58m a.m. I put observe the sun on the meridian; the resulting lat. is 41° 16' 30" N.
	N. 0° 2' W. bet. secs. 9 and 10
	Through dense undergrowth
	Over rough surface
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 B.9 on W. face and 10 on E. face
80.00	Set a limestone 16x7x5 ins. 11 ins. in the ground for cor. of secs. 3-4-9 and 10 marked with 5 notches on S. and 3 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.

Subdivision of T. 6 N. R. 17 W.

Chains	Land rough, covered with ridges and hillocks Soil clay and loam sand, with alkali salts 4th rate No timber. Heavy growth of thorny shrub 2 to 5 ft. high Dense undergrowth 80.00 chs.
	East on a random line bet secs. 3 and 10
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 5 lks. N. of cor. of secs 2-3-10 and 11
	Thence Trav
	N. 89° 58' W. on a true line bet. secs. 3 and 10
	Over mountainous land
	Descending to
4.00	Foot of mountain bears N. and S
	Leave mountainous land and
	Enter dense undergrowth and nearly level land
40.03	Set a limestone 15 x 6 x 6 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.
45.40	Dry wash drains S.
50.05	Dry wash drains S.
80.06	The cor. of secs 3-4-9 and 10
	Land mountainous and rough, broken with ridges
	Soil clay and sand, and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 4 ft. high
	Mountainous land and dense undergrowth 80.06 chs.
	N. 0° 2' W. on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec. cor
88.60	Intersect N. bdy. of Tp. 10 lks. E. of cor. of secs. 3-4-33 and 34 as hereto for described
	Thence Trav
	S. 0° 6' E. on a true line bet. secs. 3 and 4
	Over nearly level land
48.60	Deposite a quart of broken glass 12 ins in the ground for 1/4 sec cor; dig pits 18 x 18 x 12 ins. N and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft long 2 ins sq. 12 ins.

Subdivision of T. 6 N. R. 17 W.

Chains	
	in the ground marked
	1/4 S. 4 on N. face and 3 on E. face
68.64	Dry wash drains S. E.
88.60	The cor. of secs. 3-4-9 and 10
	Land rough, covered with ridges and hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Rank growth of thorny shrub undergrowth
	From the cor. of secs. 4-5-32 and 33 on S. bdy. of Tp. as heretofore described I run
	N 0° 3' W. bet. secs. 32 and 33
	Over nearly level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high over deposite
	In S. pit drive a fence stake 2 ft. long 2 inc sq. 12 inc. in the ground marked
	1/4 S 32 on W. face and 33 on E. face
55.76	Wash 6 ft deep 15 ft. wide drains S. E.; water in hollows
80.00	Set a limestone 16 x 7 x 5 inc. 11 inc in the ground for cor of secs. 28-29-32 and 33 marked with 1 notch on S and 4 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough covered with hillocks and gullies
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub undergrowth
	June 6, 1903
	June 7: At 7h 30m a m, I m.t. I set off 41° 13' N. on the lat. arc, 22° 41' 30" N, on the decl. arc. and determine a meridian with the solar, at the cor of secs. 28-29-32 and 33 thence I run
	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 5 lks N of cor. of secs. 27-28-33 and 34
	Thence I run

Subdivision of T. 6 N. R. 7 W.

Chains	
	N 89° 58' W. on a true line bet. secs. 28 and 33.
	Over nearly level land.
1,40	Dry wash drains S 65° E.
1,90	Dry wash drains S. E.
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E and W of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 28 on N. face and 33 on S. face
80,00	The cor. of secs. 28-29-32 and 33
	Land rough.
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub undergrowth.
	N. 0° 3' W. bet. secs. 28 and 29
	through dense undergrowth.
	Over nearly level land
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 29 on N. face and 28 on E. face
80,00	Set a limestone 18 x 9 x 6 inc. 12 inc. in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land rough covered with hillocks and low ridges
	Soil clay and alkali salts 4th rate
	No timber.
	Heavy growth of thorny shrub 2 to 4 ft. high.
	Dense undergrowth 80,00 chs. —
	S. 89° 58' E. on a random line bet. secs. 21 and 28.
40,00	Set limestone 1/4 sec. cor.
79,92	Intersect N. and S. line 5 chs. S. of cor. of secs. 21-22-27 and 28

Subdivision of T. 6 N. R. 17 W.

Chains	
	Thence I run
	West on a true line bet. secs 21 and 28
	Through dense undergrowth –
	Over nearly level land
36.45	Dry wash drains S.
38.50	Dry wash drains S. 10° E.
39.96	Set a tiefa stone 18x9x6 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
79.92	The cor. of secs. 20-21-28 and 29
	Land, rough covered with ridges and hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorney shrub 3 to 4 ft. high
	Dense undergrowth 79.92 chs. –
	N. 0° 3' W bet. secs 20 and 21
	Through dense undergrowth –
	Over nearly level land
40.00	Set a limestone 18x7x6 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 limestone 16x8x7 ins. 11 ins. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 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 rough covered with hillocks and ridges
	Soil clay and alkali salts 4th rate –
	No timber
	Heavy growth of thorny shrub 2 to 4 ft. high
	Dense undergrowth 80.00 chs. –
	East on a random line bet secs. 16 and 21
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 15-16-21 and 22
	Thence I run
	West on a true line bet. secs. 16 and 21
	Through dense undergrowth –

Subdivision of T. 6 N. R. 17 W.

chains	Over nearly level land
9.00	Dry wash drains S. 20° E.
30.91	Dry wash drains S. E.
39.96	Deposited a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit. Set E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/4 S. 16 on N. face and 21 on S. face
79.96	The cor. of secs. 16-17-20 and 21.
	Land, rough, covered with low ridges and hillocks
	Soil clay and loose sand, with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 4 ft. high
	Dense undergrowth — 79.96 chs. —
	June 7: at this cor I set off 22° 42' N. on the decl. arc and at 11h 58m a. m. I m. T. observed the sun on the meridian the resulting lat. is 41° 14' 45" N.
	N 0° 3' W bet. secs. 16 and 17
	through dense undergrowth —
	Over nearly level land
40.00	Set a limestone 16 x 7 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on the W. face; dig pits 18 x 18 x 12 ins. N. and S. of chain 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
73.20	Dry wash drains S. 25° E.
80.00	Set a limestone 15 x 7 x 6 ins. 10 ins. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; 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 rough covered with low ridges and hillocks
	Soil clay gravel and loose sand with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth — 80.00 chs. —
	East on a random line bet. secs. 9 and 16
4.00	Set birch 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 9-10-16 and 15

Subdivisions T. 6 N. R. 17 W.

Chains	
	Thence 0 mm
	West on a true line bet. secs. 9 and 16
	Through dense undergrowth
	Over nearly level land
20.30	Dry wash drains S.
39.98	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor. dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 9 on N. face and 16 on S. face
53.05	Dry wash drains S. E.
79.96	The cor. of secs. 8-9-16 and 17
	Land rough, covered with low hillocks and ridges
	Soil clay, gravel and loose sand, with alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth - 79.96 chs. -
	N. 0° 3' W. bet. secs. 8 and 9
	Through dense undergrowth -
	Over nearly level land
4.00	Set a limestone 17x6x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor
8.00	Set a limestone 16x8x5 inc. 11 inc. in the ground for cor. of secs. 4-5-8 and 9 marked with 5 notches on S. and 4 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, covered with low ridges and hillocks
	Soil clay and alkali salts 4th rate -
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth - 8.00 chs. -
	East on a random line bet. secs. 4 and 9
4.00	Set temp. 1/4 sec. cor.
8.00	Intersect N. and S. line 7 lks. S. of cor. of secs. 3-4-9 and 10:

Subdivision of T.6 N.R.17 W.

chains	
	Thence I run
	S 89°57' W on a true line bet. secs. 4 and 9
	Through dense undergrowth—
	Over nearly level land
26,00	Dry wash drains S.
35,45	Dry wash drains S.
40,00	Set a limestone 16x6x6 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. 4-5-8 and 9
	Land rough covered with low ridges and hillocks.
	Soil clay and alkali salts 4th rate—
	No timber
	Heavy growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth—80,00 chs.—
	N 0°3' W. on a random line bet. secs. 4 and 5—
40,00	Set temp. 1/4 sec cor
88,56	Intersect N. bdy. of Tp. at cor of secs. 4-5-32 and 33 as heretofore described
	Thence I run
	S. 0°3' E. on a true line bet. secs. 4 and 5—
	Over nearly level land
48,56	Set a limestone 16x8x6 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.
88,56	The cor. of secs. 4-5-8 and 9
	Land nearly level, rough
	Soil clay and some alkali salts 4th rate—
	No timber
	Heavy growth of thorny shrub, undergrowth—
	June 7, 1903
	June 8: At 7h 30m a.m. I set off 41°12' N. on the lat. arc 22°47'30" N. on the decl. arc and determine a true meridian with the solar at the cor. of secs 5-6-31 and 32 on S. bdy of Tp. as heretofore described thence I run
	N. 0°4' W. bet. secs. 31 and 32
	Over nearly level land

Subdivision of T. 6 N. R. 17 W.

Chains	
40,00	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit. In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S 31 on W. face and 32 on E. face
80,00	Set a limestone 15 x 8 x 5 inc. 10 inc. 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 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level but rough. Soil clay and alkali salts 4th rate. No timber. Dense growth of thorny shrub.—
	East on a random line bet. secs. 29 and 32
40,00	Set temp. 1/4 sec. cor.
80,12	Intersect N. and S. line at cor. of secs. 28-29-32 and 33. Thence I run Westerly a true line bet. secs. 29 and 32. Over nearly level land
12,00	Wash drain S.
40,06	Set a limestone 15 x 7 x 5 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
5.5.5.2	Wash 5 ft. deep 12 ft. wide drain S.E.; water in hollows
80,12.	The cor. of secs. 29-30-31 and 32. Land level, but rough. Soil clay and alkali salts 4th rate. No timber. Dense growth of thorny shrub.
	West on a random line bet. secs. 30 and 31
40,00	Set temp. 1/4 sec. cor.
79,12	Intersect W. bdy. of Tp. at cor. of secs. 25-30-31 and 36 as heretofore described. Thence I run East on a true line bet. secs. 30 and 31

Subdivision of T.6 N.R.17 W.

chain	
	Over nearly level land
0.72	Dry wash drain S.E.
39.12	Set a limestone 15x8x5 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.
79.12	The cor of secs. 29-30-31 and 32
	Land, nearly level, rough.
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub
	N. 0° 4' W. bet secs. 29 and 30
	Over nearly level land
18.00	Dry wash drain S 70° E
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 30 on W face and 29 on E. face
80.00	Set a limestone 15x8x7 ins. 12 ins. in the ground for cor. of secs. 19-20-29 and 30 marked with 2 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, but rough
	Soil clay and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub
	East on a random line bet secs. 20 and 29
40.00	Set temp. 1/4 sec. cor.
80.38	Intersect N. and S. line 33 lks. N. of cor. of secs. 20-21-28 and 29
	Thence I run
	N. 89° 46' W. on a true line bet. secs. 20 and 29
	Through dense undergrowth
	Over nearly level land
21.40	Wash 5 ft. deep 1.0 ft. wide drain S.; water in hollows
40.19	Set a limestone 18x7x6 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

Subdivision of T 6 N. R 17 W.

Chains	3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80,38	The cor. of secs. 19-20-29 and 30.
	Land nearly level, rough
	Soil clay, gravel and alkali salts 4th rate
	No timber
	Heavy growth of thorny shrub
	June 8: at this cor. I set off 22°48' N. on the decl. arc and at 11h 59' a.m. P.M.T. observe the sun on the meridian: the resulting lat. is 41°14' N.
	I right a flag at the cor. of secs. 19-24-25 and 30 on W. bdy of Tp and run
	S 89°52' W bet. secs. 19 and 30
	Over nearly level land
4,48	Dry wash drains S.
15,15	Dry wash drains S.
18,20	Dry wash drains S.
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor. dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 19 on N. face and 30 on S. face
51,30	Dry wash drains S.
79,20	Intersect W. bdy of Tp. at cor of secs. 19-24-25 and 30 as heretofore described
	Land nearly level, rough
	Soil clay and gravel with alkali salts 4th rate
	No timber
	Dense thorny shrub undergrowth
	N. 0°4' W bet. secs. 19 and 20.
	Through dense undergrowth
	Over nearly level land
4,20	Dry wash drains S. 20° W.
40,00	Set a limestone 15x8x5 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face: dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.

Chains	
80.00	Set a limestone 15 x 8 x 7 in. 10 in. 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 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land rough covered with ridges and hillocks.
	Soil clay, gravel and sand, and alkali salts 4th rate.
	No timber.
	Heavy growth of thorny shrub 2 to 4 ft. high.
	Dense undergrowth. 80.00 chs. —
	S 89° 46' E on a random line bet. secs. 17 and 20
40.00	Set temp. ¼ sec. cor.
80.28	Intersect N. and S. line 3 links S of cor. of secs. 16-17-20 and 21.
	Thence I run
	N 89° 47' W on a true line bet. secs. 17 and 20
	Through dense undergrowth.
	Over nearly level land
32.00	Dry wash drains S.
40.14	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 17 on N face and 20 on S face.
80.28	The cor. of secs. 17-18-19 and 20
	Land rough, low ridges and hillocks.
	Soil clay gravel and sand with alkali salts, 4th rate.
	No timber
	Dense growth of thorny shrub 2 to 5 ft. high.
	Dense undergrowth. 80.28 chs.
	I sight the cor. of secs. 13-18-19 and 24 on W. bdy of Tp. and run
	S. 89° 56' W. bet. secs. 18 and 19
	Over nearly level land
24.38	Dry wash drains S.
26.44	Dry wash drains S.
28.26	Dry wash drains S.
30.90	Dry wash drains S
33.60	Dry wash drains S.
40.00	Deposite a quart of broken glass 12 in. in the ground for

Subdivision of T. 6 N. R. 17 W.

Chains	
	1/4 sec. cor. dig. pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over depositing In E. pit drive a pine stake 2 ft long 2 inc. sq. 12 ins. in the ground marked 1/4 S 18. on N. face and 19 on S. face
79.22	Intersect W. bdy. of Tp. at cor. of secs. 13-18-19 and 24 as heretofore described
	Land nearly level, rough
	Soil clay and some alkali salts 3rd rate
	No timber
	Dense growth of thorny shrub and sagebrush
	N. 0° 4' W bet. secs. 17 and 18
	Through dense undergrowth
	Over nearly level land
40.00	Set a limestone 16 x 7 x 5' inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 18 x 6 x 5' inc. 12 inc. 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 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough
	Soil clay and alkali salts 3rd rate
	No timber
	Dense thorny shrub undergrowth 2 to 4 ft. high
	Dense undergrowth 80.00 chs. —
	June 8, 1903
	June 9: At 7h 26m a.m., l.m.t. ☉ set off 41° 15' 30" N. on the lat. arc 22° 53' N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 7-8-17 and 18
	Thence I run
	S 89° 49' E on a random line bet. secs. 8 and 17
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect N. and S. line 4 lks. S. of cor. of secs. 8-9-16 and 17
	Thence I run N 89° 50' W. on a true line bet. secs. 8 and 17
	Through dense undergrowth
	Over nearly level land

Subdivision of T. 6 N. R. 17 W.

chains	
14.05	Dry wash drains S.E.
40.08	Deposited a quart of broken glass 12 inches in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 inches. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor. In E. pit drive a fence stake 2 ft. long 2 inches sq. 12 inches in the ground marked
	1/4 S 8 on N. face and 17 on S. face
61.00	Dry wash drains S.
80.16	The cor. of secs. 7-8-17 and 18
	Land nearly level, rough
	Soil clay gravel and sand 3rd rate
	No timber
	Dense growth of thorny shrub 2 to 5 ft. high
	Dense undergrowth 80.16 chs.
	Raised a flag on the corner of secs. 7-12-13 and 18 on W. bdy. of Tp.
	And run
	S 89°55' W. bet. secs. 7 and 18
	through dense undergrowth
	Over nearly level land
7.12	Dry wash drains S.
18.32	Dry wash drains S.
30.00	Dry wash drains S.
32.45	Dry wash drains S.
34.85	Dry wash drains S.
40.00	Deposited a quart of broken glass 12 inches in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inches E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits
	In E. pit drive a fence stake 2 ft. long 2 inches sq. 12 inches in the ground marked
	1/4 S. 7 on N. face and 18 on S. face
65.00	Dry wash drains S.
79.28	Intersect W. bdy. of Tp. at cor. of secs. 7-12-13 and 18 as heretofore described
	Land nearly level, rough
	Soil clay and some alkali with 3rd rate
	Dense undergrowth of thorny shrub 3 to 5 ft. high. No timber
	Dense undergrowth 79.28 chs. —

Subdivision of T. 6 N. R. 17 W.

Chains	N. 0° 4' W bet secs. 7 and 8
	Through dense undergrowth-
	Over nearly level land
40,00	Set a limestone 17 x 6 x 5' inc 11 inc in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth- 3± ft. base 1± ft. high W. of cor.
80,00	Set a limestone 17 x 7 x 6 inc. 11 inc in the ground for cor. of secs. 5-6-7 and 8 marked with 5' notches on S. and E. edge dig pits 18 x 18 x 12 inc. in each sec 5 1/2 ft. dist. and raise a mound of earth- 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough
	Soil clay and some alkali salts 3rd rate
	No timber
	Dense undergrowth of thorny shrub 3 to 5 ft. high
	Dense undergrowth- 80,00 chs
	S. 89° 50' E. on a random line bet. secs. 5 and 8
40,00	Set temp. 1/4 sec. cor
80,10	Intersect N. and S. line 23 lks S. of cor. of secs. 4-5-8 and 9
	Thence I run
	West on a true line bet. secs. 5 and 8
	Through dense undergrowth
	Over nearly level land
24,00	Dry wash drains S. 20° E.
40,05	Set a limestone 17 x 7 x 6 inc. 11 inc in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth- 3± ft. base 1± ft. high N. of cor.
68,80	Dry wash drains S. 10° E
80,10	The cor. of secs. 5-6-7 and 8
	Land nearly level, rough
	Soil clay and some alkali salts 3rd rate —
	No timber
	Dense undergrowth of thorny shrub 2 to 4 ft. high
	Dense undergrowth- 80,10 chs. —
	June 9: At this cor. I set off 22° 53' 30" N. on the decl. arc and at 11h 59' a.m. I m.t. observe the sun on the meridian the resulting lat. is 41° 16' 30" N.
	S. 89° 56' W. on a random line bet secs. 6 and 7

Subdivision of T. 6 N. R. 17 W.

40.00	Set temp. 1/4 sec. cor.
79.32	Intersect W. bdy. of Tp. 10 lks. S. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence I run
	East on a true line bet. secs. 6 and 7
	Through dense undergrowth-
	Over nearly level land
55.55	Dry wash drains S. 10° E.
39.92	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 6 on N. face and 7 on S. face
45.60	Dry wash drains S.
67.30	Dry wash drs. S.
79.32	The cor. of secs. 5-6-7 and 8
	Land nearly level, rough
	Soil clay 3rd rate
	No timber
	Dense undergrowth - of thorny shrub 2 to 5 ft. high
	Dense undergrowth - 79.32 chs.
	N. 0° 4' W. on a random line bet. secs. 5 and 6
40.00	Set temp. 1/4 sec. cor.
88.40	Intersect N. bdy. of Tp. 15 lks. E. of cor. of secs. 5-6-31 and 32 as heretofore described
	Thence I run
	S. 0° 10' E. on a true line bet. secs. 5 and 6.
	Over nearly level land
48.40	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft long 2 inc sq. 12 inc. in the ground marked
	1/4 S. 6 on W. face and 5 on E. face
58.95	Dry wash drains S. 20° E.
88.40	The cor. of secs. 5-6-7 and 8
	Land nearly level, rough
	Soil clay 3rd rate
	No timber

Subdivision of T. 6 N. R. 17 W.

Dense thorny shrub undergrowth –
For test of adjustment of the transit commenced this day see following book; i.e. "Book X".

June 9 1903

General Description

This township is composed of, roughly nearly level and mountainous land; it is all desert in character, the soil is highly alkaline and unproductive excepting for the several species of thorny shrub, mainly grease wood which is indigenous to that soil and climate.
The township has no nutritious grasses nor any water fit for use for the water in the washes has a whitish color and is exceedingly bitter and salt. –
There are no quarries nor mines nor are there any settlers nor improvements of any kind. –

Andrew P. Stinson
U. S. Dep. Surveyor

BLANK

PAGE

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 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.*

For final affidavits see book L³ Fr. 7 N R 16 W ....., *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 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book L³ Fr. 7 N R 16 W ....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

SEAL

.....

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from United States Surveyor General for ....., bearing date of " ..... day of ....., 189 , I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States Surveyo General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of

.....

For final affidavits see Book Z³ Tp 7 N R 16 W

..... 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 solemnl 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 Surveyo 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surve

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904.

The foregoing field notes of the survey of the subdivisional lines of Township 6 North Range 17 West of the Salt Lake Base & Meridian, Utah

executed by Andrew L. Hanson under his contract No. 261, dated March 18, 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 G

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

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

W.

BOOK A-302

FILED

FEB 10 1904

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

Township No. 1 North Range No. 17 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Swenson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18 1903, 189

Survey commenced June 9 1903, 189

Survey completed June 10 1903, 189

6—151

High – 1-00-00

Low – 5-04-29

6-04-29

NAMES AND DUTIES OF ASSISTANTS.

J. F. Stoffman - - - - Chainman

R. J. Froiseth - - - - "

J. F. Stoffman - - - Moundman

Frank Stoffman Jr. "

R. J. Froiseth - - - Axman

Frank Stoffman Jr. - - "

B. R. Lawrence - - - Flagman

For preliminary affidavits see book I. F. S. M. Co.

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

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 , 189

SEAL

We, and

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

, Monumentman

, Monumentman

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 [illegible] 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, 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 , 189

SEAL

East Boundary of T. 7 N. R. 17 W.

Chain

Survey commenced June 9, 1903 and executed with a W & L.E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

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 6, 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 a.m. and p.m. hours with a meridian determined by observation on Polaris I proceed as follows.—

At the cor. of secs. 1-2-35 and 36 on N. bdy. T. 6 N. R. 17 W.: (this being convenient to my camp in sec 35 T. 7 N. R. 17 W.) latitude 41° 17' 22" N. longitude 113° 45' 19" W. I set off 41° 17' 30" N. on the lat. arc 22° 55' S. on the decl. arc and at 4h 32m p.m. P.M.T. determine a meridian with the solar and mark a point thereof on a stake firmly set in the ground 5 chs. N. of the cor.

At 9h 50m p.m. P.M.T. I observe Polaris in accordance with Manual of Instructions and mark a point in the line thus determined on a peg driven in the ground 5 chs. N. of the instrument

June 9, 1903

Asbrow. P.M.T. of obs. June 9 ---------- 9h 50m

U.C. Polaris June 1 ---------- 20h 44m.1 ✓

Reduced to June 8 ---------- 27.4 ✓

U.C. Pol. -- June 8 ---------- 20h 16m.7 ✓ — 20 16.7 ✓

Hour angle of Pol. at obs. ---------- 13h 33m.3 ✓

Subtract from ---------- 23 56.1 ✓

Time Argument for Table VII ---------- 10 22.8 ✓

Azimuth of Polaris at obs ---------- 0° 39' E ✓

June 10: At 6h 55m a.m. I lay off the azimuth of Polaris 0° 39' to the west and mark the meridian thus determined on the stake set June 9 at 5 chs. N. of my station, and on which the meridian falls 0.5 in. E.

Chains	of the mark determined by the solar.— At 7h 10m a.m., l.m.t. I set off 41°17'30" N. on the lat. arc 22°58'30" N. on the decl. arc and mark a point in the meridian determined by the solar on the state already set 5 chs. N. of the instrument; this mark falls 0.6 in. east of the meridian determined by the Polaris observation.— The solar apparatus by p.m. and a.m. observations defines positions for meridians within 0°30" west and east of the meridian established by Polaris observation therefor I conclude that the adjustments of the instrument are satisfactory.— The magnetic bearing of the true meridian at 7h 10m a.m. is N. 17°50' W.; the angle thus determined gives the mag. decl. 17°50' E.
	I begin at the cor. of Tps. 6 and 7 N. Rs. 16 and 17 W. as heretofore described; and at 7h 40m a.m., l.m.t. set off 41°17'30" N. on the lat. arc 22°58' N. on the decl. arc and determine a meridian with the solar. Thence I run; on a calculated course N 0°16' W on a random line along the E. bdy. of Tp. 7 N. R. 17 W., setting temp. 1/4 sec and sec. cors. at intervals of 40.00 chs.; and at 484.29 chs. intersect the S. bdy. of Tp. 8 N. R 16 W. 15 lks. S. 89°41' E. of the cor of Tps. 7 and 8 N Rs. 16 and 17 W as heretofore described.— The falling answers to a correction of 0°5' or 2⅓ lks. W. per mile counting from the S. E. cor. of the Tp. Therefore I run S. 0°17' E. bet. secs. 1 and 6 marking true line Over nearly level land, through undergrowth—
44.29	Set a limestone 17 x 7 x 6 ins. 11 in. 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.—
84.29	Set a limestone 17 x 6 x 6 ins. 12 in. in the ground for cor of secs. 1-6-7 and 12 marked with 1 notch on N. and 5 notches on S. edges; 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 rough nearly level

chains	
	Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth 2 to 4 ft. high June 10: at this cor. I set off 22°58'30" N. on the decl arc and at 11h 59m a.m. l.m.t. observe the sun on the meridian The resulting lat. is 41° 21'30" N
	S. 0° 17' E. bet. sec. 7 and 12 Over nearly level land, through undergrowth
40.00	Set a limestone 16x8x6 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 limestone 17x8x6 ins. 12 ins. in the ground for cor. of sec. 7-12-13 and 18 marked with 2 notches on N. and 4 notches on S. 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 rough nearly level Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth 2 to 4 ft. high
	S. 0° 17' E. bet. sec. 13 and 18 Over rough nearly level land; through undergrowth
40.00	Set a limestone 16x8x6 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
48.09	Telegraph line runs south easterly and north westerly
49.02	Centre of track of Lucin Cut-Off C.P.R.R. bears south easterly and north westerly
80.00	Set a limestone 16x7x6 ins. 11 ins in the ground for cor. of sec. 13-18-19 and 24 marked with 3 notches on N. and S. 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 rough, nearly level Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth 2 to 4 ft high
	S. 0° 17' E. bet. sec. 19 and 24

East Bdy. of T. 7 N. R. 17 W.

chains	
	Over nearly level rough land; through undergrowth—
0.60	Wash 2 ft. deep. drain E.
40.00	Set a limestone 15x8x6 in. 10 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. 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 limestone 16x8x6 in. 11 in. in the ground for cor. of secs. 19-24-25 and 30 marked with 4 notches on N. and 2 notches on S. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, nearly level
	Soil clay and alkali salts
	No timber
	Thorny shrub undergrowth 2 to 4 ft. high
	S. 0° 17 E. bet. secs. 25 and 30
	Over nearly level, rough land; through undergrowth—
39.10	Dry wash drain E.
40.00	Set a limestone 16x8x7 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. 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 limestone 16x7x6 in. 11 in. in the ground for cor. of secs. 25-30-31 and 36 marked with 5 notches on N. and 1 notch on S. 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 rough, nearly level
	Soil clay and alkali salts 4 lb. rate
	No timber
	Thorny shrub undergrowth 2 to 5 ft. high
	S. 0° 17' E. bet. secs. 31 and 36
	Through dense undergrowth—
	Over rough surface
27.40	Dry wash drain E.
40.00	Set a limestone 17x7x6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. 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	Intersect the cor. of Tps. 6 and 7 N. Rs. 16 and 17 W.
	Land rough covered with ridges and hillocks

East Bdy. of T. 7 N. R. 17 W.

Chains — Soil clay and alkali salts 4th rate
No timber
Dense growth of thorny shrub 2 to 5 ft. high
Dense undergrowth 80.00 chs
For test of adjustments of the instrument see the following book i.e. "Book Y."

June 10, 1903

Boundaries of T. 7 N. R. 17 W.
Latitudes departures and closing errors

Line designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W
		chs.	chs	chs	chs	chs
West Bdy.	N. 1° 40' W	40.16	40.14			1.17
" "	N 0° 17' E.	40.00	40.00		0.20	
" "	N 0° 10' W	40.32	40.32			0.12
" "	N. 0° 50' W.	39.57	39.56			0.58
" "	N 0° 58' W	40.52	40.51			0.68
" "	N. 1° 41' W.	39.68	39.66			1.18
" "	N. 0° 15' W	40.46	40.46			0.18
" "	N 0° 23' W	39.86	39.86			0.27
" "	N 1° 10' W	79.48	79.46			1.62
" "	N. 0° 32' W.	40.26	40.26			0.37
" "	N. 1° 17' E	39.10	39.07		0.85	
North Bdy.	N. 89° 49' E	40.16	0.13		40.16	
" "	N. 89° 33' E	40.18	0.32		40.18	
" "	East	80.88			80.88	
" "	N. 89° 50' E.	80.62	0.23		80.62	
" "	N. 85° 51' E	39.48	2.86		39.37	
" "	N. 89° 17' E	39.76	0.50		39.75	
" "	N 89° 17' E	39.76	0.50		39.75	
" "	N 89° 9' E	40.02	0.59		40.01	
" "	N. 89° 54' E.	40.68	0.07		40.68	
" "	East	40.87			40.87	
East Bdy.	S. 0° 17' E.	484.29		484.29	2.40	
South Bdy.	S. 89° 59' W.	479.46		0.14		479.46
Convergency					0.63	
Totals			484.52 / 484.43	484.43	486.38 / 485.63	485.63
Errors			of Lat. 0.09		of Dep. 0.75	

General Description

For general description see field notes of subdivision of this

East Bdy. of T. 7 N. R. 17 W.

Tp. in the book following i.e. "Book Y."
Andrew P. Hanson
U.S. Dep. Surveyor

Volume
#
R0302

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 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.*

For final affidavits see book Z' Tp 6 N R 16 W, *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 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavits see book Z' Tp 6 N R 16 W, *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

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

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, h
solemnly swear that, in pursuance of a contract received from
United States Surveyor General for ....., bearing date of th
..... day of ....., 189 , 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 t
United States, surveyed all those parts or portions of

.....

For final affidavit see book L. Tp 6 N. R. 6 W.
..... of the
..... meridian, in the ..... of ....., which are represented in th
foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnl
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 Survey
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 suff
the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Surveyo

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 19

The foregoing field notes of the survey of the East Boundary
Township 7 North Range 17 West of the Salt Lake
Base & Meridian, Utah

executed by Andrew P. Hanson
under his contract No. 261, dated March 18, 1903, 189 , having
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 office.

.....
United States Surveyor Gen

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

X.

BOOK A-302

FILED

FEB 10 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No. 7 North Range No. 17 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hansen, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18 1903, 189

Survey commenced June 11 1903, 189

Survey completed June 17 1903, 189

6—151

high - 10-33-45 ✓
low - 49-65-01 ✓
diag - 7-75 ✓

60-18-46

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - Chainman
R J Froiseth - - - - "
J F Hoffman - - - Monedman
Frank Hoffman Jr - - - "
R J Froiseth - - - Axman
Frank Hoffman Jr - - - "
B R Lawrence - - - - Flagman

For preliminary affidavits see book L.F.4 M.R. 18th

6—151

Volume
#
R0302

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—131

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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

Subdivision of T. 7 N. R. 17 W.

Chains

Survey commenced June 11. 1903 and executed with a W. & L. E. Gurley light mountain transit with solar attachment.— The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.—

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 6. 1903.—

At 7h 30m a.m., l.m.t. I set off 41° 17' 30" N. on the lat. arc 23° 3' N. on the decl. arc and test the adjustments of the transit on the meridian established from Polaris observation, June 10, 1903 at the cor. of secs. 1-2-35 and 36 on S. bdy. of Tp. 7 N. R. 17 W., and fully described in the beginning of field notes of E. bdy of this Tp. "Book W" referred to which is hereby made.—

The solar indicates the true meridian as at this time, or within 30" of the Polaris meridian; from which I conclude the adjustments are correct and consider further tests at this time unnecessary.

I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. of Tp. 7 N. R. 17 W. as heretofore described; thence I run

N. 0° 18' W. bet. secs. 35 and 36

Through dense undergrowth—

Over rough, rolling land

40.00 Set a limestone 17x8x6 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 limestone 17x6x6 ins. 12 ins. in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; dig pits 18x18x12 ins. in each sec. 5½ dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.—

Land rough, ridges and hillocks

Soil clay, with some alkali salts 4th rate

No timber

Dense thorny shrub undergrowth 2 to 4 ft. high

chains	
	Dense undergrowth - 80.00 chs.
	N. 89° 59' E. on a random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.
89.16	Intersect E. bdy. of Tp. 3 Nth. N. of cor. of secs. 25-30-31 and 36 as heretofore described
	Thence I run
	West on a true line bet. secs. 25 and 36
	Through dense undergrowth, -
	Over nearly level, rough land
40.08	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E and W. of cor. 4 ft dist. and raise a mound of earth - 3½ ft. base 1½ ft high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked.
	1/4 S. 25 on N. face and 36 on S. face
52.02	Dry wash 2 ft deep drains S.E.
80.16	The cor. of secs. 25-26-35 and 36
	Land rough, low ridges and hillocks
	Soil clay, and alkali salts 4th rate
	No timber
	Dense undergrowth of thorny shrub 2½-4 ft. high
	Dense undergrowth 80.16 chs. -
	N. 0° 18' W. bet. secs. 25 and 26
	Over nearly level land
29.15	Dry wash 2 ft deep 5 ft. wide drains E.
40.00	Set a limestone 17 x 7 x 6 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. -
80.00	Set a limestone 18 x 8 x 7 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 5½ ft. dist and raise a mound of earth - 4 ft. base 2 ft. high W. of cor.
	Land rough, nearly level
	Soil, clay, and some alkali, 4th rate
	No timber
	Thorny shrub undergrowth - 2½-3 ft. high

Subdivision of T.7 N.R.17 W.

Chains	
	East 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 as heretofore described.
	Thence I run
	West on a true line bet. secs 24 and 25
	Over nearly level land
40,00	Set a limestone 15x10x6 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. 23-24-25 and 26
	Land nearly level, rough
	Soil, clay, with some alkali 4th rate
	No timber
	Thorny shrub undergrowth - 2 to 4 ft. high
	N.0 18' W. bet. secs. 23 and 24
	Over nearly level land
40,00	Set a quartzite stone 17x8x7 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 limestone 17x8x6 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. 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 nearly level, rough
	Soil, clay, and some alkali 4th rate
	No timber
	Thorny shrub undergrowth 2 to 3 ft. high
	June 11 at this cor. I set off 23°3' N on the decl. arc and at 11h 59m a.m., 1 m.t. observe the sun on the meridian; the resulting lat. is 41°20' N
	East on a random line bet. secs. 13 and 24.
40,00	Set temp. 1/4 sec. cor.
79,86	Intersect E. bdy of Tp. 16 lks. S. of cor. of secs. 13-18-19 and 24 as heretofore described.

Subdivision of T. 7 N. R. 17 W.

chains	
	Thence 0 mm
	S. 89° 53' W on a true line bet. sec. 13 and 24.
	Over nearly level land
39.93	Set a limestone 16 x 8 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
79.56	The cor. of sec. 13-14-23 and 24
	Land nearly level rough
	Soil, clay and some alkali 4th rate
	No timber
	Thorny shrub undergrowth 2 to 3 ft. high
	N. 0° 18' W. bet. sec. 13 and 14
	Over nearly level land
40.00	Set a limestone 17 x 8 x 6 inc. 12 inc. in the ground for 1/4 sec. cor marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of cor. 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor
42.78	Centre of track Lucin Cut-Off C.P.R.R. bears south easterly and north westerly
43.70	Telegraph line runs parallel to track
66.00	Begin ascent course E. and W.
	Enter mountainous land
80.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for cor. of sec. 11-12-13 and 14 marked with 4 notches on S. and 1 notch on E. edge; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, nearly level, rough; and gradual mountainous slope
	Soil, clay and alkali salts; and gravely wash 4th rate
	No timber
	Thorny shrub undergrowth
	Mountainous land 14.00 chs. —
	N. 89° 53' E. on a random line bet. sec. 12 and 13.
40.00	Set temp. 1/4 sec. cor.
79.82	Intersect E. bdy. of Tp. 19 lks S. of cor of sec. 7-12-13 and 18 as heretofore described.
	Thence 0 mm
	S. 89° 45' W. on a true line bet. sec. 12 and 13
	Over nearly level, rough land

14.00 / 66.00

Subdivision of T. 7 N. R. 17 W.

Chains	
30.55	Begin gradual ascent course N.E. and S.W.
	Enter mountainous land
39.91	Set a limestone 17x6x6 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.
79.82	The cor. of secs. 11-12-13 and 14
	Land rough, nearly level and gradual, mountainous slope
	Soil, clay, and alkali salts; and gravely wash 4th rate.
	No timber
	Thorny shrub undergrowth
	Mountainous land 49.27 chs.
	N. 0° 18' W. bet. secs. 11 and 12
	Over mountainous land
	Ascending
40.00	Set a quartzite stone 18x8x6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
40.60	Top of spur ridge runs E. 250 ft. above sec. cor.
	Descending to
44.00	Hollow drains E. 40 ft. deep.
	Begin abrupt ascent in cliffs and large bowlders
59.00	Top of cliffs runs E. and W. 600 ft. above hollow
	Thence over broken E. slope 2 chs. below ridge; gradual ascent to
80.00	Set a limestone 17x8x6 ins. 12 ins. in the ground for cor. of secs. 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous
	Soil gravely and rocky 4th rate
	No timber
	Low thorny shrub and sage undergrowth
	Mountainous land 80.00 chs.
	June 11, 1903.
	June 12: At 7h 20m a.m., 1 mt. I set off 41° 21' 30" N. on the lat. arc 23° 7' 30" N. on the decl. arc and determine

49.27 / 30.55

Subdivision of T. 7 N. R. 17 W.

Chains	a meridian at the cor. of secs. 1-2-11 and 12.
	Thence I run
	N. 89°45' E. on a random line bet. secs. 1 and 12.
40.00	Set limb 1/4 sec. cor.
79.78	Intersect E. bdy. of Tp. 12 chs. N. of cor. of secs. 1-6-7 and 12 as hereafter described
	Thence I run
	S. 89°50' W. on a true line bet. secs. 1 and 12
	Over rough land to
16.00	Begin ascent course N. and S.
	Enter mountainous land
31.75	Begin abrupt ascent in cliffs, course N. and S.
36.35	Top of cliffs and spur ridge running N. 10° E. 500 ft. high
	Descending gradually
39.87	Set a limestone 18 x 9 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits in practicable
	This cor. stands in head of a hollow 40 ft. deep draining N.
	Ascending rough rocky slope to
79.78	The cor. of secs. 1-2-11 and 12
	This cor. stands 950 ft. above foot of slope
	Land, nearly level, rough, and mountainous
	Soil clay and alkali salts, and rocky with some gravel with rate
	No timber
	Thorny shrub undergrowth - scattering
	Mountainous land 63.78 chs. -
	Knowing from the reserves of N. sides of Tp. I can not close on cor. of secs. 1-2-35 and 36 within limits, I run N. 0°18' W. bet. secs. 1 and 2. -
	Over mountainous land
	Ascending gradually in broken E. slope to
9.00	Top of spur runs E. from highest point of Pigeon Mountain which bears W. about 3 chs. dist. and is 1000 ft. high above surrounding level country. -
	Descending on steep broken slope facing N.E.
36.60	Spur runs N.W.; thence on N. slope to
40.00	Set a limestone 17 x 7 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. -
84.50	Intersect N. bdy. of Tp. 220 chs. N. 89°54' E. of cor. of secs.

63.78 / 7.6.00

1-2-35 and 36 as heretofore described
Set a limestone 16x8x5 ins. 11 ins. in the ground for closing cor. of secs. 1 and 2 marked C.C. on S. face with 1 groove on E. and 3 grooves on W. faces; dig pits 24x18x12 ins. crosswise on each line E and W. 3 ft. and S. of stone 4 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high S. of cor. -
And remove all markings from old cor. of secs. 1-2-35 and 36 refering to secs. 1 and 2
This cor. stands 400 ft. below cor of secs. 1-2-11 and 12
Land Mountainous
Soil rocky and gravelly 4th rate
No timber - Low thorny shrub and sage undergrowth
Mountainous land 84.50 chs.

From the cor. of secs. 2-3-34 and 35 on S. bdy. of Tp. as heretofore described I run
N. 0° 19' W. bet. secs. 34 and 35
Over mountainous land
Descending gradually on N.W. slope
40.00 Set a limestone 18x6x6 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.
52.00 Bottom of hollow drains W. 150 ft. below sec cor.
Ascending abruptly to
53.50 Top of rocky spur 60 ft. high runs W. -
Descending, rolling slope to
69.00 Bottom of wash drains N.W.
Begin abrupt ascent
74.25 Top of rocky spur runs N.W. 60 ft. above wash
Descending
77.00 Foot of mountain bears E. and W. 230 ft. below sec. cor
Leave mountainous land
80.00 Set a limestone 18x8x16 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. 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 Mountainous and gently sloping
Soil gravelly and rocky 4th rate

7.7/3

Chains	
	No timber Thorny shrub undergrowth Mountainous land 7200 chs.
	N. 89° 59' E. on a random line bet. secs. 26 and 35
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect N. and S. line 7 lks. S. of cor. of secs. 25-26-35 and 36
	Thence True
	S. 89° 56' W. on a true line bet. secs. 26 and 35
	Over nearly level, rough land
39.96	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. —
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 26 on N. face and 35 on S. face
79.92	The cor. of secs. 26-27-34 and 35
	Land nearly level, rough
	Soil clay and wash gravel with alkali salts 4th rate.
	No timber
	Thorny shrub undergrowth 2 to 3 ft. high
	N. 0° 19' W bet. secs. 26 and 27
	Over nearly level land
23.80	Dry wash 3 ft. deep 5 ft. wide drains E.
40.00	Set a limestone 18 x 8 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
69.60	Dry wash 3 ft. deep 10 ft. wide drains E.
80.00	Set a limestone 18 x 8 x 7 in. 12 in. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land rough, nearly level
	Soil clay; and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	June 12: The sky being overcast during the morn

Subdivision of T. 7 N. R. 17 W.

Chains	
	how I was unable to observe the sun on the meridian
	N. 89° 56' E. on a random line bet. secs. 23 and 26.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 chs. N. of cor. of secs. 23-24-25 and 26
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 23 and 26
	Over nearly level land.
40.00	Set a limestone 16 x 7 x 6 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 3½ ft. base 1½ ft. high N. of cor.
80.00	The cor. of secs. 22-23-26 and 27
	Land nearly level, rough
	Soil clay and alkali salts 4th rate
	No timber
	Thinly shrub undergrowth
	N. 0° 19' W. bet. secs. 22 and 23
	Over nearly level land
40.00	Set a limestone 17 x 5 x 5 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.
80.00	Set a limestone 18 x 9 x 7 ins. 12 ins. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges; 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 nearly level, rough
	Soil clay and alkali salts 4th rate
	No timber
	Thinly shrub undergrowth 2 ft. high
	N. 89° 59' 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 3 chs. N. of cor. of secs. 13-14-23 and 24
	Thence I run
	West on a true line bet. secs. 14 and 23.
	Over nearly level land.
40.00	Deposit a quart of broken glass 12 ins. in the ground for

Subdivision of T. 7 N. R. 17 W.

Chains	
	14 sec. cor.; dig pits 18×18×12 inc. E and W of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits
	On E. pit drive a fence stake 2 ft. long 2 inc. sq., 12 inc. in the ground marked
	14 S 14 on W. face and 23 on S face
80.00	The cor. of secs. 14-15-22 and 23
	Land nearly level, rough
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub and some sage undergrowth –
	N. 0° 19' W. bet. secs. 14 and 15
	Over nearly level land
40.00	Set a limestone 18×8×7 inc. 12 inc. in the ground for 14 sec. cor. marked 14 on W. face; dig pits 18×18×12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
50.97	Dry wash drains S. 70° E. 3 ft. deep.
53.76	Centre of track, Lucin Cut-off C.P.R.R., bears North westerly and south easterly
54.68	Telegraph line runs parallel to track
80.00	Set a limestone 16×8×5 inc. 11 ins. in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges; dig pits 18×18×12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth – alternating with alkali flats
	June 12, 1903
	June 13: At 7h 15m a.m., I set off 41° 21' N. on the lat. arc 23° 11' W. on the decl. arc and determine a meridian with the solar at the cor. of secs. 10-11-14 and 15
	Thence S. 1 mile
	East on a random line bet. secs. 11 and 14
40.00	Set temp. 1/4 sec. cor.
80.14	Intersect N. and S. line 12 lks. N. of cor. of secs. 11-12-13 and 14
	Thence S. 1 mile
	N. 89° 55' W. on a true line bet. secs. 11 and 14
	Over mountainous land.

Subdivision of T. 7 N. R. 17 W.

Chains	
	Ascending to-
9.10	Top of rocky spur runs S 60 ft. high.- Descending
10.70	Foot of slope bears N. and S.; enter nearly level land
	Leave mountainous land
40.07	Set a limestone 16x8x5 ins. 11 ins in the ground for 1/4 sec. cor marked 1/4 on N. face; dig pits 15x15x12 ins. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
62.10	Dry wash drains S
80.14	The cor. of secs. 10-11-14 and 15
	Land mountainous and nearly level, rough
	Soil clay and gravel, and barren rock 4th rate
	No timber
	Thorny shrub undergrowth - and alkali flats alternating
	Mountainous land 10.70 chs.-
	N. 0° 19' W bet. secs. 10 and 11
	Over nearly level land to-
30.00	Foot of slope bears E. and W.; begin ascent
	Enter mountainous land
40.00	Set a quartzite stone 15x5x6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x15x12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor
50.05	Ravine drains S.W. 40 ft. deep; begin abrupt ascent
62.00	Top of spur runs S.W. 300 ft. above sec. cor.
	Thence along N. slope to-
80.00	Set a quartzite stone 17x7x5 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. edges; raise a mound of stones 2 ft. base 1½ ft. high W. of cor. Pits included
	Land nearly level, rough; and mountainous
	Soil clay, gravel and barren rock, 4th rate
	No timber
	Thorny shrub undergrowth
	Mountainous land 50.00 chs.-
	S. 89° 55' E. on a random line bet. secs 2 and 11
40.00	Set temp. 1/4 sec. cor
50.20	Intersect N. and S. line 9 lks. S. of cor. of secs. 1-2-11 and 12
	Thence S. on

10.70 / 69.44

50.00 / 30.00

Subdivision of T. 7 N. R. 17 W.

Chains	N 89°56' W on a true line bet. secs. 2 and 11
	Over mountainous land
	Ascending abruptly
0.70	Top of Pegiow Mountain, ridge bears N and S.
	Descending on broken slope facing S.W.
40.10	Set a limestone 17x7x5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raise a mound of stones 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	This cor stands in head of a ravine draining S.W.
	Thence along S. slope and gradual descent to
69.50	Top of spur runs S.W. and beginning of abrupt descent
80.20	The cor. of secs. 2-3-10 and 11
	This cor stands 625 ft. below ridge
	Land mountainous
	Soil rocky and gravelly 4th rate
	No timber
	Mountainous land 80.20 chs.—
	From resurvey of N. bdy. of Tp. I know I can not close on cor. of secs. 2-3-34 and 35 within the limit therefor I run N. 0°19' W. bet. secs. 2 and 3
	Over mountainous land
	Ascending to
5.50	Top of spur ridge runs W. 70 ft. above cor
	Thence over broken slope on gradual descent to
37.60	Dry wash drains W. 130 ft. below spur
	Begin abrupt ascent
40.00	Set a quartzite stone 16x7x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; raise a mound of stones 2 ft. base 1½ ft. high W. of cor.
51.50	Top of spur runs W. 350 ft. above wash.-
55.00	Head of hollow draining N.W. 50 ft. deep
72.00	Top of ridge bears N 20° W and S 20° E.
	Thence on N.W. slope; descending gradually to
83.86	Intersect N. bdy. of Tp. 146 chs N. 89°17' E. of cor of secs. 2-3-34 and 35 as heretofore described
	Set a quartzite stone 18x8x5 ins. 12 ins. in the ground for closing cor. of secs. 2 and 3 marked C.C. on S. face with 2 grooves on E. and 4 grooves on W. faces; raise a mound of stones 2 ft. base 1½ ft. high S. of cor. Pits impracticable
	And remove all markings from old cor. of secs 2-3-34 and 35 referring to secs. 2 and 3

Subdivision of T. 7 N. R. 17 W.

Chains	
	Land Mountainous Soil gravely and rocky 4th rate. - No timber Mountainous land 8.386 chs. - June 13: at this cor. I set off 23°11' N on the decl arc and at 12h m. I mt. observe the sun on the meridian; the resulting lat. is 41°22'30" N.
	From the cor. of secs. 3-4-33 and 34 on S. bdy. of Tp. as heretofore described I run N. 0°19 W. bet. secs. 33 and 34 Over nearly level land
4,00	Dry wash drains S.E.
40,00	Set a limestone 17×7×5 in. 12 in. in the ground for 1/4 sec cor marked 1/4 on W. face; dig pits 18×18×12 in. 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 limestone 17×6×6 in. 12 in. in the ground for cor of secs. 27-28-33 and 34 marked with 1 notch on S. and 3 notches on E. edges; dig pits 18×18×12 in. in each sec 5½ ft dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. - Land rough, nearly level Soil clay and sand with some alkali 3rd rate - No timber Thorny shrub undergrowth -
	N. 89°59' E. 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 cor. of secs. 26-27-34 and 35 - Thence I run S 89°59' W. on a true line bet. secs. 27 and 34 Over nearly level land
40,00	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor; dig pits 18×18×12 in. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked: 1/4 S. 27 on N. face and 34 on S. face
80,00	The cor. of secs. 27-28-33 and 34 Land, rough, nearly level

Chains	
	Soil clay and sand with some alkali 3rd rate
	No timber
	Thorny shrub undergrowth –
	N. 0° 19' W. bet. secs. 27 and 28
	Over nearly level land
21,60	Dry wash drains E.
40,00	Set a limestone 16 x 8 x 5 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 3½ ft. base 1½ ft. high W. of cor.
80,00	Set a limestone 17 x 7 x 5 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. edges; 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, rough, nearly level
	Soil clay and sand with some alkali 3rd rate –
	No timber
	Thorny shrub undergrowth –
	N. 89° 59' E. on a random line bet. secs. 22 and 27
40,00	Set lime. 1/4 sec. cor.
79,96	Intersect N. and S. line 3 lks. N of cor of secs. 22-23-26 and 27
	Thence O run
	West on a true line bet. secs. 22 and 27
	Over nearly level land
39,98	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit drive a pine stake 2 ft long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 22 on N. face and 27 on S. face
79,96	The cor. of secs. 21-22-27 and 28
	Land, rough, nearly level
	Soil clay and sand and some alkali 3rd rate –
	No timber
	Thorny shrub undergrowth –

Chains	N. 0° 19' W. bet. secs. 21 and 22.
	Over nearly level land
4.00	Set a limestone 15 x 8 x 6 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor. —
8.00	Set a limestone 18 x 9 x 9 inc. 12 inc. in the ground for cor. of secs. 15-16-21 and 22 marked 7 N. on N.E. and 17 W. on S.E. faces; with 3 notches on S. and E. edges: dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land, rough, nearly level
	Soil clay and some alkali salts 3rd rate
	No timber
	Thorny shrub undergrowth —
	June 13, 1903
	June 14: At 7h 30m a.m. I set off 41° 20' N. on the lat. arc 23° 14' 30" N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 15-16 21 and 22; thence I run
	East on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line 5 chs. S. of cor. of secs. 14-15-22 and 23
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 15 and 22
	Over nearly level land
39.98	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 15 on N. face and 22 on S. face
79.96	The cor. of secs. 15-16. 21 and 22
	Land rough, nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —

Subdivision of T. 7 N. R. 17 W.

Chains	
	N. 0° 19' W. bet. secs. 15 and 16
	Over nearly level land
40.00	Set a limestone 17 x 7 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor
41.30	Dry wash drains E.
65.04	Centre of track Lucin Cut-Off C.P.R.R., bears north westerly and south easterly
65.95	Telegraph line runs parallel to track
80.00	Set a limestone 18 x 8 x 6 in. 12 in. in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land rough nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —

	N. 89° 58' E. on a random line bet. secs. 10 and 15
40.00	Set a temp. 1/4 sec. cor
79.92	Intersect N. and S. line 3 lks. S. of cor. of secs. 10-11-14 and 15
	Thence 0 runs
	S. 89° 57' W. on a true line bet. secs. 10 and 15
	Over nearly level land
39.96	Set a limestone 16 x 7 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
79.92	The cor. of secs. 9-10-15 and 16
	Land nearly level
	Soil clay and alkali 4th rate —
	No timber
	Thorny shrub undergrowth —

	N. 0° 19' W. bet. secs. 9 and 10
	Over nearly level land
40.00	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the

Subdivision

Chains	
	ground marked
	1/4 S. 9 on W. face and 10 on E. face
	Begin gradual ascent, course easterly and westerly
50.00	Gravel pit, and steam shovel belonging to C.R.R.R. bears W. about 30. chs.
60.00	Top of slope and spur runs W. 50 ft. high.
	Descending gradually on broken slope to
80.00	Set a limestone 17x7x6 ins. 12 ins. in the ground for cor of secs. 3-4-9 and 10 marked with 5 notches on S. and 3 notches on 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.
	This cor. stands at foot of slope course N. and S.W.
	Land nearly level; and gradual slope
	Soil clay and alkali and wash gravel 4th rate
	No timber
	Low thorny shrub undergrowth
	N. 89°57' E. on a random line bet. secs. 3 and 10
40.00	Set temp. 1/4 sec. cor.
79.98	Intersect N. and S. line 8 lks. N. of cor. of secs. 2-3-10 and 11
	Thence I run
	West on a true line bet. secs. 3 and 10
	Over mountainous land
	Descending abruptly on rocky slope to
20.00	Descent becomes gradual on broken surface, course N. and S.
39.99	Set a quartzite stone 16x8x6 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.
79.98	The cor. of secs. 3-4-9 and 10
	This cor. stands 300 ft. below cor. of secs. 2-3-10 and 11
	Land mountainous
	Soil gravelly and rocky 4th rate
	No timber
	Low thorny shrub undergrowth
	Mountainous land 79.98 chs.
	June 14: At this cor. I set off 23°14'30" N on the lat. arc and at 12h m, l.m.t. observe the sun on the meridian; the resulting lat. is 41°21'30" N.
	Knowing from resurvey of N. bdy. I can not close on

Chains	Cor. of secs. 3-4-33 and 34 within limit. I run
	N. 0° 19' W. bet. secs. 3 and 4
	Over nearly level land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In S. pit drive a pine stake 2 ft long 2 ins. sq. 12 ins. in the ground marked 1/4 S. 4 on W. face and 3 on E. face
52.90	Dry wash drains N.W.
75.00	Dry wash drains N.W.
80.90	Intersect N. bdy. of Tp. 6 links N. 85° 51' E. of cor. of secs. 3-4-33 and 34 as heretofore described.—
	Set a limestone 16x9x6 ins. 11 ins. in the ground for closing cor. of secs. 3 and 4 marked C.C. on S. face with 3 grooves on E. and W. faces; 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.
	And remove all markings from old cor. of secs. 3-4-33 and 34 referring to secs. 3 and 4
	Land rough, nearly level
	Soil clay and wash gravel with some alkali 4th rate
	No timber
	Thorny shrub and sage undergrowth—
	From the cor. of secs. 4-5-32 and 33 on S. bdy. of Tp. as heretofore described I run
	N. 0° 20' W. bet. secs. 32 and 33
	Over nearly level land
40.00	Set a limestone 16x8x6 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.
54.60	Dry wash drains S.E.
63.50	Dry wash drains S.E.
78.40	Dry wash drains S.E.
80.00	Set a limestone 17x7x6 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. 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.

Subdivision of T. 7 N. R. 17 W.

Chains	
	Land rough nearly level.
	Soil clay and sand, with alkali salts 4th rate
	No timber
	Thorny shrub and sage undergrowth —
	N. 89° 59' E. on a random line bet. secs. 28 and 33
40.00	Set limestone ¼ sec. cor.
79.96	Intersect N. and S. line 3 lks. N of cor of secs. 27-28-33 and 34
	Thence S. run
	West on a true line bet. secs. 28 and 33
	Over nearly level land
39.98	Deposit a quart of broken glass 12 inc. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high over deposit
	On E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	¼ S. 28 on N. face and 33 on S. face
79.96	The cor. of secs. 28-29-32 and 33
	Land, rough, nearly level
	Soil clay and alkali salts 3rd rate
	No timber
	Thorny shrub undergrowth —
	N. 0° 20' W. bet. secs. 28 and 29
	Over nearly level surface
6.00	Dry arroyo drains S 60° E.
35.77	Dry arroyo drains S 75° E.
40.00	Set a limestone 18 x 10 x 6 inc. 12 inc. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 18 x 8 x 7 inc. 12 inc. in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land, rough, nearly level
	Soil clay and sand, and alkali 3rd rate
	No timber
	Thorny shrub undergrowth and some sage

Subdivision of T. 7 N R 17 W.

Chains	
	East on a random line bet. secs. 21 and 28
40.00	Set limest. 1/4 sec cor.
80.00	Intersect N. and S. line 8 lks. S of cor. of secs. 21-22-27 and 28
	Thence I run
	S. 89°57' W. on a true line bet. secs. 21 and 28
	Over nearly level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 21 on N. face and 28 on S. face
80.00	The cor. of secs. 20-21-28 and 29
	Land, rough, nearly level
	Soil, clay and sand, with some alkali, 3rd rate
	No timber
	Thorny shrub undergrowth and some sage
	June 14, 1903
	June 15: At 7h 15m a.m. I set off 41°19' N. on the lat. arc 23°18'30" N. on the decl. arc and determine a meridian with the solar at the cor of secs. 20-21-28 and 29; Thence I run
	N 0°20' W. bet. secs. 20 and 21
	Over nearly level land
40.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x8x7 inc. 12 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 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft base 2 ft. high W. of cor.
	Land rough nearly level
	Soil clay and sand and alkali salts 3rd rate
	No timber
	Thorny shrub undergrowth and some sage

Subdivision of T. 7 N. R. 17 W.

Chains.	
	N. 89° 57' E. on a random line bet. secs. 16 and 21
40.00	Set temp. 1/4 sec cor.
80.12	Intersect N. and S. line at cor. of secs. 15-16-21 and 22
	Thence Orun
	S. 89° 57' W. on a true line bet. secs. 16 and 21
	Over nearly level land
40.06	Set a limestone 16 x 8 x 6 inc. 14 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80.12	The cor. of secs. 16-17-20 and 21
	Land rough nearly level
	Soil clay and alkali 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 0° 20' W. bet. secs. 16 and 17
	Over nearly level land
29.96	Dry wash drains E.
40.00	Set a fortifying stone 15 x 5 x 6 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
75.74	Centre of track, Lucin Cut-Off C.P.R.R. course northwesterly and southeasterly
76.66	Telegraph line runs parallel to track
80.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough nearly level
	Soil clay and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	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 7 lks. N. of cor. of secs. 9-10-15 and 16
	Thence Orun
	West on a true line bet. secs. 9 and 16
	Over nearly level land
40.00	Set a limestone 18 x 12 x 7 inc. 12 inc. in the ground for

Chain	1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 in. 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. 8-9-16 and 17.
	Land, rough, nearly level
	Soil clay and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 0° 20' W. bet. secs. 8 and 9
	Over nearly level land
12.10	Track to gravel pit bears N.E. and S.W.
40.00	Set a limestone 16x8x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 6 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
74.00	Dry wash drains N. 80° E.
80.00	Set a limestone 18x8x5 in. 12 in. 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 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, rough, nearly level
	Soil clay and sand and alkali salts 3rd rate
	No timber. –
	Thorny shrub and sage undergrowth
	East on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line 3 chs. N. of cor. of secs. 3-4-9 and 10
	Thence I run
	N. 89° 59' W. on a true line bet. secs. 4 and 9
	Over nearly level land
40.02	Set a limestone 18x6x6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
65.75	Dry wash drains N. 20° E.
80.04	The cor. of secs. 4-5-8 and 9.
	Land, rough, nearly level
	Soil clay and sand and alkali salts 3rd rate

Subdivision of T. 7 N. R. 17 W.

Chains	No timber Thorny shrub and sage undergrowth June 15: at this cor I set off 23°17'30" N. on the decl. arc and at 12h m, 1 m. T. observe the sun on the meridian the resulting lat. in 41° 21'30" N.
	Knowing from resurvey of N. bdy. of Tp. I can not close on cor. of secs. 4-5-32 and 33 within limit, I run N. 0°20' W. bet. secs. 4 and 5 Over nearly level land
40,00	Set a limestone 17×8×6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
68,16	Dry wash drains E.
80,64	Intersect N. bdy. of Tp. 1,24 chs N. 89°50' E. of cor of secs. 4-5-32 and 33 as heretofore described Set a limestone 16×9×8 inc. 11 inc. in the ground for closing cor. of secs. 4 and 5 marked C, C. on S. face with 2 groves on N and 4 groves on E. faces; dig pits 24×18×12 inc. crosswise on each line E. and cor 3 ft. and S of stone 7 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high S. of cor. — And remove all markings from old cor. of secs. 4-5-32 and 33 refering to secs. 4 and 5 Land, rough, nearly level Soil clay and sand: and alkali salts 3rd rate No timber Thorny shrub and sage undergrowth
	From the cor. of secs. 31 and 32 on S. bdy. of Tp. as heretofore described I run N. 0°21' W. bet. secs 31 and 32 Over nearly level land
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18×18×12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 31 on W. face and 32 on E. face. —

Subdivision of T 7 N R 17 W.

Chains	
60.50	Dry wash drains S 60° E
80.00	Set a limestone 16 x 7 x 6 inc. 11 inc. 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 inc. in each sec 3½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, nearly level
	Soil clay and sand; and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth —
	N. 89° 59' E. on a random line bet. secs. 29 and 32
40.00	Set temp. ¼ sec. cor.
80.06	Intersect N. and S. line 9 lks N. of cor. of secs. 28-29-32 and 33
	Thence I run
	N. 89° 57' W on a true line bet. secs 29 and 32
	Over level, rough land
1.05	Dry wash drains S.E.
28.20	Dry wash drains S 60° E.
40.03	Set a limestone 17 x 9 x 5 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. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80.06	The cor. of secs. 29-30-31 and 32
	Land rough, nearly level
	Soil clay and sand; and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth —
	S 89° 59' W. on a random line bet. secs. 30 and 31
40.00	Set temp. ¼ sec. cor.
80.16	Intersect W. bdy of Tp. 12 lks. S. 0° 17' W. of cor of secs. 25-30-31 and 36 as heretofore described
	Thence I run
	S 89° 56' E. on a true line bet. secs. 30 and 31
	Over nearly level land
4.00	Grouse Creek 5 lks wide in wash 10 ft deep 30 ft wide, flows S. Water salt and bitter unfit for use
40.16	Deposite a gravel of broken glass 12 inc. in the ground for ¼ sec. cor. dig pits 18 x 18 x 12 inc. E and W. of cor. 4 ft.

drain	dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 in. sq. 12 in. in the ground marked
	¼ S. 30 on N. face and 31 on S. face
80,16	The cor. of secs. 29-30-31 and 32
	Land rough cut with gullies
	Soil clay and some alkali 3rd rate
	No timber
	Thorny shrub and some sage undergrowth
	N. 0° 21' W. bet secs. 29 and 30
	Over nearly level land
35,80	Dry wash drains S.E.
40,00	Set a limestone 16 x 7 x 6 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
61,70	Dry wash drains S.E.
75,80	Dry wash drains S 65° E.
80,00	Set a limestone 18 x 7 x 6 in. 12 in. in the ground for cor. of secs. 19-20-29 and 30 marked with 2 notches on S and 5 notches on E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough nearly level
	Soil clay and sand and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	June 15, 1903
	June 16: At 7h 15m a.m., t.m.t. I set off 41° 17' N. on the lat. are 23° 26' 30" N on the declare and determine a meridian with the solar at the cor. of secs. 19-20-29 and 30; thence I run
	S. 89° 57' E. on a random line bet. secs. 20 and 29
40,00	Set temp. ¼ sec. cor.
80,10	Intersect N. and S. line at cor of secs. 20-21-28 and 29
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 20 and 29
	Over nearly level land

Subdivision of T. 7 N. R. 17 W.

Chains	
40,05	Set a limestone 16x6x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. E. and W of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
80,10	The cor. of secs. 19-20-29 and 30 Land rough, nearly level Soil clay and sand; and alkali salts 3rd rate No timber Thorny shrub and sage undergrowth—
	N 89°56' W on a random line bet. secs. 19 and 30
40,00	Set temp. 1/4 sec. cor.
80,70	Intersect W bdy. of Tp. 7 Nth. N. of cor. of secs. 19-24-25 and 30 as heretofore described Thence I run S 89°59' E. on a true line bet. secs. 19 and 30 Over nearly level land
9,60	Grove Creek wash 8 ft. deep 25 ft. wide drains S. stream 3 lks.
40,70	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high N. of cor
80,70	The cor. of secs. 19-20-29 and 30 Land rough nearly level Soil clay and sand; and alkali salts 3rd rate No timber Thorny shrub and sage undergrowth—
	N. 0°21' W. bet. secs. 19 and 20 Over nearly level land.
40,00	Set a limestone 18x8x5 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 15x9x8 inc. 10 inc. 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 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rough, nearly level

Subdivision of T. 7 N. R. 17 W.

Chains	Soil clay and loose sand 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	S. 89° 57' E. on a random line bet. secs. 17 and 20
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 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 nearly level land
40.00	Set a limestone 16 x 7 x 6 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 3½ ft. base 1½ ft. high N. of cor.
80.00	The cor. of secs. 17-18-19 and 20
	Land rough, nearly level
	Soil clay and loose sand; and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 89° 59' W. on a random line bet. secs. 18 and 19
40.00	Set temp. 1/4 sec. cor.
82.42	Intersect W. bdy. of Tp. 21 lks. S. of cor. of secs. 13-18-19 and 24 as heretofore described
	Thence I run
	S. 89° 50' E. on a true line bet. secs. 18 and 19
	Over rolling land
12.42	West bank of Grouse Creek wash 10 ft. deep bears N. and S.
17.67	Stream 3 lks. wide drains S.; water very bitter and salt
18.18	East bank of channel bears N. and S.
42.42	Set a limestone 18 x 8 x 4 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 3½ ft. base 1½ ft. high N. of cor.
82.42	The cor. of secs. 17-18-19 and 20
	Land rough, nearly level
	Soil clay and sand 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 0° 21' W. bet. secs. 17 and 18

Subdivision of T. 7 N. R. 17 W.

Chains	
	Over nearly level land
40.00	Set a limestone 15×9×8 in. 10 in. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18×18×12 in. 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 limestone 16×6×6 in. 11 in. in the ground for cor. of secs. 7-8-17 and 18 marked with 4 notches on S. and 5 notches on E. edges; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough nearly level
	Soil clay and sand: and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	June 16: At this cor. I set off 23°20' N. on the deel arc and at 12h M, T.m.T. observe the sun on the meridian; the resulting lat. is 41°21'. N.
	East on a random line bet secs. 8 and 17
40.00	Set a temp. 1/4 sec cor.
80.00	Intersect N. and S. line at cor. of secs. 8-9-16 and 17
	Thence I run
	West on a true line bet. secs 8 and 17
	Over nearly level land
23.35	Telegraph line bears north westerly and south easterly
29.60	Centre of track, Lucin Cut-Off C.P.R.R. bears north westerly and south-easterly
40.00	Set a quartzite stone 16×8×7 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
	This cor. stands in borrow pit of R.R. grade 3 ft. deep.
80.00	The cor. of secs. 7-8-17 and 18
	Land rough nearly level
	Soil clay and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 89°50' W. on a random line bet. secs. 7 and 18
40.00	Set temp. 1/4 sec. cor.
82.34	Intersect W. bdy. of Tp. 26 lks. S. of cor. of secs 7-12-13 and 18 as heretofore described
	Thence I run

Subdivision of T7 N R17 W.

Chains	S 89° 39' E. on a true line bet. secs. 7 and 18
	Over nearly level land
42,34	Set a limestone 16 x 6 x 6 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 3½ ft. base 1½ ft. high N. of cor.
82,34	The cor. of secs. 7-8-17 and 18.
	Land rough, nearly level
	Soil clay and loose sand and some alkali, 3rd rate
	No timber
	Thorny shrub and sage underneath
	N. 0° 21' W. bet. secs. 7 and 8
	Over nearly level land
6,70	Centre of track, Lucin Cut-Off C.P.R.R., course north-westerly and south easterly
7,62	Telegraph line bears parallel to track
40,00	Set a quartzite stone 18 x 16 x 7 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 3½ ft. base 1½ ft. high W. of cor.
58,40	Road to R.R. Ranch bears N.W. and S.E.
80,00	Set a limestone 15 x 8 x 6 ins. 12 ins. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; 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 rough, nearly level
	Soil clay and loose sand 3rd rate
	No timber
	Thorny shrub and sage underneath
	East on a random line bet. secs. 5 and 8
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line 5 chs. N. of cor. of secs. 4-5-8 and 9
	Thence 0 mm
	N. 89° 58' W. on a true line bet. secs. 5 and 8
	Over nearly level land
40,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	On E. pit, drive a pine stake 2 ft. long 2 ins. sq. 12 ins.

Chains	
	in the ground marked
	1/4 S. 5 on N. face and 8 on S face
8.00	The cor. of secs. 5-6-7 and 8
	Land rough nearly level
	Soil clay and loose sand; and alkali salts 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	N. 89° 39' W. on a random line bet. secs. 6 and 7
4.00	Set temp. 1/4 sec. cor.
83.46	Intersect W. bdy. of Tp. 16 chs. N. of cor. of secs. 5-6-7 and 12 as heretofore described
	Thence I run
	S. 89° 46' E. on a true line bet. secs. 6 and 7
	Over nearly level land
12.50	Road from Lucin to R.R. camp bears N.W. and S.E.
43.46	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 6 on N. face and 7 on S. face
83.46	The cor. of secs. 5-6-7 and 8
	Land rough, nearly level
	Soil clay and loose sand 3rd rate
	No timber
	Thorny shrub and sage undergrowth
	Knowing from resurvey of N. bdy. of Tp. I can not close on cor. of secs. 5-6-31 and 32 within limit I run
	N. 0° 21' W. bet. secs. 5 and 6
	Over rolling land
4.00	Set a limestone 16 x 10 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
47.46	Dry creek drains N. 75° E.
80.50	Intersect N. bdy. of Tp. 2.16 chs. E. of cor. of secs. 6-6-31 and 32 as heretofore described
	Set a limestone 18 x 8 x 7 in. 12 in. in the ground for closing

cor. of secs. 5 and 6 marked C.C. on S. face with 1 grove on W. and 5 groves on E. faces; dig pits 24x18x12 in. 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.
And remove all markings from old cor. of secs. 5-6-31 and 32 refering to secs. 5 and 6
Land gently rolling
Soil clay and loose sand; and alkali salts 3rd rate
No timber
Thorny shrub and sage undergrowth.

June 16, 1903

June 17, I return to the meridian established from Polaris observation at the cor of secs. 1-2-35 and 36 on S. bdy of this Tp. and at 8h 30m a.m. 1 mt set off 41° 17' 30" N. on the lat are 23° 22' 30" N. on the decl. testing the adjustments of the transit and find it gives the same meridian as before which proves the adjustments correct.—

June 17, 1903

General Description

This township is composed of nearly level but rough land and some mountainous.— All is of poor quallity and produces very little except thorny shrub which grows to the hight of 2 ft. or more.
Interspersed with patches of alkali
There is no water within the township except Grouse Creek along the western edge but its waters are very soon made unfit for use after entering the level country owing to the great amount of alkali in the soil.—
There are no improvements other than the railroad heretofore described and which maintains at present a temporary camp near the steam shovel in sec. 9
There are no permanent settlers within the township.—

Andrew P. Hanson
U.S. Dep. Surveyor

BLANK

PAGE

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 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.*

For final affidavits see book Z³ Tp 7 N R 16 W, *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 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 _____

_____, *Chainman.*

_____, *Chainman.*

_____, *Moundman.*

For final affidavits see book Z³ Tp 7 N R 16 W, *Moundman.*

_____, *Axman.*

_____, *Axman.*

_____, *Flagman.*

_____

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

SEAL

6—151

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 ....., 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 Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of .....

For final affidavits see book L³, Tp. 7 N. R. 16 W.

..... 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 ....., 189

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah, March 31, 1904

The foregoing field notes of the survey of the Subdivisional lines of Township 7 North Range 17 West of the Salt Lake Base & Meridian Utah

executed by Andrew P. Hanson under his contract No. 261, dated March 18, 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.

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

Y

BOOK A-302

FILED

FEB 12 1904

R.S.B.

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

Township No. 5 North Range No. 16 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hansen, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18 1903, 189

Survey commenced June 17 1903, 189

Survey completed June 17 1903, 189

6—151

Low - 5-79-32 ✓

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - Chainman

R J Froiseth - - - - - Chainman

J F Hoffman - - - Moundman

Frank Hoffman Jr. - - - Moundman

R J Froiseth - - - - Axman

Frank Hoffman Jr. - - Axman

B R Lawrence - - - Flagman

For preliminary affidavits see book I Tp 5 N R 16 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—151

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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

6—151

North Bdy. T. 5 N. R. 16 W.

Chains	Survey commenced June 17, 1903 and executed with a W. & L. E. Gurley light mountain transit with solar attachment; the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.
	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 6, 1903
	Having this this day tested the adjustments of the solar on a meridian established from Polaris observation and found them true as described at end of field notes of subdivisions, T. 7 N. R. 17 W. Book Y. reference to which is hereby made, I consider it unnecessary to repeat the test at this time.—
	I begin at the cor. of Tps. 5 and 6 N. Rs. 15 and 16 W. as heretofore described and at 9h 56m a.m. lmt. set off 41°12' N. on the lat. arc 23°22'30" N. on the decl. arc and determine a meridian with the solar
	Thence I run
	West on a random line along the N. bdy. of Tp. 5 N. R. 16 W.; setting temp. 1/4 sec. and sec. cor. at intervals of 4000 chs. and at 479.32 chs. intersect the E. bdy of Tp. 6. N. R. 17 W. 18 lks. N. of cor. of Tps. 5 and 6 N. Rs. 16 and 17 W as heretofore described.—
	The falling answers to a correction of 0°01' or 3 lks. S. per mile counting from the N. E. cor of Tp. therefor I run N. 89°59' E. bet. secs. 6 and 31 marking true line
	Over level land
4,26	Wash 5 ft. deep, 30 ft. wide drains S. 20° E.; water in hollows
39,32	Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.—
79,32	Set a limestone 16x8x5 in. 11 in. in the ground for cor. of secs. 5-6-31 and 32 marked with 1 notch on W. and 5 notches on E. edges; dig pits 18x18x12 in. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.—

Chains	Land level
	Soil clay and alkali salts 4th rate
	No vegetation
	N. 89° 59' E., bet. secs. 5 and 32
	Over level land
35.00	Wash drains S.
40.00	Set a limestone 16 x 9 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
70.20	Wash drains S. E.
80.00	Set a limestone 17 x 8 x 7 in. 12 in. in the ground for cor. of secs. 4-5-32 and 33 marked with 4 notches on E. and 2 notches on W. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No vegetation
	June 17: At this cor. I set off 23° 22' 30" N. on the decl. arc and at 12h m.t.m.t. observed the sun on the meridian; the resulting lat. is 41° 12' N. —
	N. 89° 59' E. bet. secs. 4 and 33
	Over level land
40.00	Set a limestone 17 x 8 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. 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 limestone 16 x 8 x 7 in. 11 in. in the ground for cor. of secs. 3-4-33 and 34 marked with 3 notches on E. and W. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No vegetation
	N. 89° 59' E. bet. secs. 3 and 34
	Over level land
40.00	Set a limestone 16 x 8 x 7 in. 11 in. in the ground for 1/4 sec.

North Bdy. T. 5 N. R. 16 W.

Chains	
	cor.; dig pits 18x18x12 inc. 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 limestone 17x5x7 inc. 12 inc. in the ground for cor. of secs. 2-3-34 and 35 marked with 2 notches on E. and 4 notches on W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No vegetation
	N. 89° 59' E. bet. secs. 2 and 35
	Over level land
40.00	Set a limestone 16x8x6 inc. 11 inc. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 inc. 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 limestone 18x6x5 inc. 12 inc. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few shadscale thorn scattering
	N. 89° 59' E. bet. secs. 1 and 36
	Over level land and hillocks 2 to 3 ft. high
40.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18x18x12 inc. 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	Intersect the cor. of Tps. 5 and 6 N. Rs. 15 and 16 W.
	Land level covered with round hillocks on W. ½ side
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	For list of adjustments of the transit see the following book. Z.
	June 17, 1903

North Bdy. T. 5 N. R. 16 W.

Boundaries of T. 5 N. R. 16 W.

Latitudes departures and closing errors

Line designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E.	Departures W.
		chs	chs	chs	chs	chs
First Std. Par. N.	East	480.00			480.00	
East. Bdy	North	483.24	483.24			
North "	S 89° 59' W.	479.32		0.14		479.32
West "	South	483.24		483.24		
Convergency						0.63
			483.24	483.38	480.00	479.95
Totals				483.24	479.95	
Errors			of Lat.	0.14	Lef.	0.05

General Description

For general description see field notes of subdivisions of this Tp., Book "Z".

Andrew P. Johnson
U. S. Dep. 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 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.*

For final affidavits see book L'F.C.N.R.C.W. ....., *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 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 .....

....., *Chainman.*

....., *Chainman.*

For final affidavits see book L'F.C.N.R.C.W. ....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

SEAL

.....

6—151

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 _____, 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 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 _____, 189

SEAL

_____

_____

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904

The foregoing field notes of the survey of the North Boundary of Township 5 South Range 16 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson

under his contract No. 261, dated March 18 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 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.

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

Z

BOOK A-302

FILED
FEB 12 1904

L.H.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No 5 North Range No 16 West.

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P Swanson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18, 1903, ~~189~~

Survey commenced June 17, 1903, ~~189~~

Survey completed June 23 1903, ~~189~~

6—151

low — 60-12-76 ✓

NAMES AND DUTIES OF ASSISTANTS.

J F Stoffman - - - Chainman

R J Froiseth - - - Chainman

J F Stoffman - - - Moundman

Frank Stoffman Jr. - - Moundman

R J Froiseth - - - Axman

Frank Stoffman Jr. - - Axman

B R Lawrence - - - Flagman

In preliminary affidavits see book L. F. 4 N R 18 W.

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—151

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
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; tha
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 survey o
.....

..... *Chainman*

..... *Chainman*

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 establis
of corners, according to the instructions given us, to the best of our skill and ability, in the survey
.....

..... *Moundma*

..... *Moundma*

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
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
perform the duties of flagman according to instructions given me, to the best of my skill and ability, in
survey of .....

..... *Flagm*

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

.....

SEAL

.....

6—151

Subdivision of T. 5 N R 16 W.

Claim

Survey commenced June 17, 1903 and executed with a W. & L. E. Gurley light mountain transit with solar attachment. The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the level consist of the verniers of the latitude and declination arcs. 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 6, 1903. — I examine the adjustments of the transit and correct the level and collimation errors; then, to test the solar apparatus by comparing its indication resulting from solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris I proceed as follows

At the standard cor. of Tps. 5 N. Rs. 15 and 16 W. set by me April 17, 1903. I set off 41° 7' N on the lat. arc, 23° 23' 30" N. on the decl. arc and at 4h 35m p.m, I put test the solar on the meridian established by me from Polaris observation, April 18 1903 and fully described in Book L" reference to which is hereby made; - The solar indicates the same meridian as at that time by p.m. observation. —

June 17, 1903

June 18: At 7h 30m a.m, I put I set off 41° 7' N. on the lat. arc 23° 24' N. on the decl. arc and determine a meridian with the solar, which is identical with the meridian indicated by a.m. observation April 18.
The instrument therefore, indicates meridians by p.m. and a.m. observations, respectively within 0° 30' of the meridian established from Polaris and I conclude that the adjustments are correct. —
The magnetic bearing of the meridian at 7h 30m a.m. is N. 17° 50' W.; the angle thus determined gives mag decl. 17° 50' E. —

I begin at the standard cor. of sec. 35 and 36 on S. bdy. of Tp. set by me April 17, 1903 thence I run
N. 0° 1' W. bet. secs. 35 and 36
Over flat desert

Chains	
40,00	Set a dark basaltic stone 16x7x5 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.
50,00	Set a dark basaltic stone 16x7x6 ins. 11 ins. in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; dig pits 18x18x12 ins. in each sec. 3½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat
	Soil clay and alkali salts 4th rate
	No vegetation
	East on a random line bet. secs. 25 and 36
40,00	Set high 1/4 sec. cor.
80,00	Intersect E. bdy. of Tp. at cor. of secs. 25-30-35 and 36 as heretofore described
	Thence S 2,00 W
	West on a true line bet. secs. 25 and 36
	Over flat desert
40,00	Deposit a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits. —
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 25 on N. face and 36 on S. face
80,00	The cor. of secs. 25-26-35 and 36
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegetation. —
	N 0°1' W. bet. secs. 25 and 26
	Over flat desert
40,00	Set a dark basaltic stone 16x7x5 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 dark basaltic stone 17x7x5 ins. 11 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 18x18x12 ins. in each

Chains	Sec 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation. —
	East on a random line bet. secs. 24 and 25
40.00	Set limb 1/4 sec. cor.
80.08	Intersect E. bdy. of T. 5 N. at cor. of secs. 19-24-25 and 30 as heretofore described
	Thence I run
	West on a true line bet. secs. 24 and 25
	Over flat land
40.04	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 24 on N. face and 25 on S. face
80.08	The cor. of secs. 23-24-25 and 26
	Land flat desert
	Soil sticky clay and alkali salts 4th rate
	No vegatation
	N. 0° 1' W. bet. secs. 23 and 24
	Over flat desert
40.00	Set a dark basaltic stone 17 x 6 x 6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 dark basaltic stone 16 x 7 x 5 inc. 11 inc. 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 inc. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat desert
	Soil sticky clay and alkali salts 4th rate
	No vegatation. —
	June 18. At this cor. I set off 23° 24' 30" N. on the decl. arc and at 12 h 51 m P. M. I m. T. observed the sun

Chains	
	on the meridian; the resulting lat. is 41° 9' 30" N
	East on a random line bet. secs. 13 and 24
40,00	Set temp. 1/4 sec cor
80,00	Intersect E. bdy. of Tp. at cor. of secs. 13-18-19 and 24 as heretofore described
	Thence I run
	West on a true line bet. secs. 13 and 24
	Over flat desert
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft. high over deposite
	Set E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc in the ground marked
	1/4 S. 13 on N face and 24 on S. face
80,00	The cor of secs 13-14-23 and 24
	Land flat desert
	Soil sticky clay and alkali salts 4th rate
	No vegatation
	N. 0° 1' W. bet. secs. 13 and 14
40,00	Set a dark basaltic stone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of cor. 3 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft high W. of cor.
80,00	Set a dark basaltic stone 17x7x6 inc. 11 inc. 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 18x18x12 inc in each sec. 5½ ft. dist. and raise a mound of earth - 4 ft. base 2 ft. high W. of cor
	Land flat desert
	Soil sticky clay and alkali salts 4th rate.
	No vegatation
	East 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 as heretofore described
	Thence I run
	West on a true line bet. secs. 12 and 13

Subdivision of T. 5 N. R. 16 W.

Chains	
	Over flat desert land
40,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec cor; dig pits 18X18X12 ins E. and W. of cor 4 ft. dist and raise a mound of earth 3½ ft. base 1½ ft high over deposite
	In E. pit drive a pine stake 2 ft long 2 ins sq 12 ins. in the ground marked
	1/4 S. 12 on N. face and 13 on S. face
80,00	The cor. of secs. 11-12-13 and 14
	Land flat desert
	Soil sticky clay and alkali salts 4th rate
	No vegetation. —
	N. 0° 1' W. bet. secs. 11 and 12
	Over flat desert
40,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18X18X12 ins N. and S. of cor. 4 ft dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins in the ground marked
	1/4 S. 11 on W. face and 12 on E. face
	Enter thin scattering growth of shadscale thorn
80,00	Deposite a quart of broken glass 12 ins. in the ground for cor. of secs. 1-2-11 and 12; dig pits 18X18X12 ins. in each sec. 4 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high over deposite
	In S.E. pit drive a redwood stake 2 ft. long 2 ins sq 12 ins. in the ground marked
	T. 5 N. S 1 on N. E
	R. 16 W. S. 12 on S. E.
	S 11 on S W and
	S. 2 on N W faces; with 5 notches on S. and 1 notch on E. edges. —
	Land flat desert
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering on N. ½ mile
	East on a random line bet. secs. 1 and 12
40,00	At temp. 1/4 sec cor.

Subdivision of T. 5 N. R. 16 W.

Chains	
80,00	Intersect E. bdy. of Tp. 3 lks. S. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence I run
	S. 89° 59' W. on a true line bet. secs. 1 and 12
	Over flat desert
40,00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. S. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 1 on N. face and 12 on S. face
80,00	The cor. of secs. 1-2-11 and 12
	Land flat desert
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	N. 0° 1' W. on a random line bet. secs. 1 and 2
40,00	Set temp. 1/4 sec. cor.
82,94	Intersect N. bdy. of Tp. at cor. of secs. 1-2-35 and 36 as heretofore described
	Thence I run
	S. 0° 1' E. on a true line bet. secs. 1 and 2
	Over level land
42,94	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high, over deposite
	In S. pit drive a pine stake 2 ft long 2 ins. sq. 12 ins in the ground marked
	1/4 S. 2 on N. face and 1 on E. face
82,94	The cor. of secs. 1-2-11 and 12
	Land level with low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn, scattering
	June 18, 1903

June 19: at 7h 30m a.m. I start. I set off 41° 9' N. on the

Subdivision of T. 5 N. R. 16 W.

Chain	Lat. arc 23°26' N. on the decl arc and determine a meridian with the solar at the standard cor of sec. 34 and 35 on S. bdy of Tp.; set by my self April 17, 1903
	Thence I run
	N. 0°2' W. bet. secs. 34 and 35
	Over flat desert
40,00	Set a limestone 16x8x5 inc. 11 inc in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x6x6 inc 12 inc 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 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegetation
	Easton a random line bet. secs. 26 and 35
40,00	Set temp. 1/4 sec. cor
80,12	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 flat desert
40,06	Deposite a quart of broken glass 12 inc in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor 11 ft. dist and raise a mound of earth 3½ ft. base 1½ ft. high
	Over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc sq. 12 inc. in the ground marked
	1/4 S. 26 on N. face and 35 on S. face
80,12	The cor. of secs. 26-27-34 and 35
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegetation.
	N. 0°2' W. bet. secs. 26 and 27
	Over flat land.
40,00	Set a limestone 17x6x6 inc 11 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N.

Chains	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 conglomerate limestone 17×7×6 inc. 11 inc. in the ground for cor of secs. 22-23-26 and 27; marked with 2 notches on S. and E. edges; dig pits 18×18×12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation. –
	East on a random line bet. secs. 23 and 26
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line 5 chs. N. of cor. of secs. 23-24-25 and 26
	Thence O run
	N. 89° 58' W. on a true line bet. secs. 23 and 26
	Over flat land
40.05	Deposite a quart of broken glass 12 inc. in the ground for ¼ sec. cor.; dig pits 18×18×12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	¼ S. 23 on N. face and 26 on S. face
80.10	The cor. of secs. 22-23-26 and 27
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation. –
	N. 0° 2' W. bet. secs. 22 and 23
	Over level land
15.00	Enter loose fine sand in dunes 3 ft. high course E. and W.
25.00	Leave sand course E. and W.
40.00	Set a limestone 17×7×6 inc. 12 inc. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18×18×12 inc. 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 limestone 16×7×6 inc. 11 inc. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges; dig pits 18×18×12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. –

Subdivision of T. 5 N. R. 16 W.

Chains	
	Land level
	Soil, clay, and sand; and alkali salts 4th rate
	No vegatation
	June 19: At this cor. I set off 23°25'30" N on the decl arc and at 12h 1m p.m., 1 m.t. observe the sun on the meridian; the resulting lat. is 41°9'30" N.
	S. 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. lines 14 lks. S. of cor of secs. 13-14-23 and 24
	Thence I run
	S. 89°56' W. on a true line bet. secs. 14 and 23
	Over flat desert
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 14 on N. face and 23 on S. face
80.00	The cor. of secs. 14-15-22 and 23
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation.
	N 0°2' W. bet. secs. 14 and 15
	Over flat desert
40.00	Set a limestone 16x8x6 inc. 11 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x7x6 inc. 12 inc. in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation.
	N. 89°56' E. on a random line bet. secs. 11 and 14

Subdivision of T. 5 N. 12 16 W.

Chains	
40.00	Set temp. 1/4 sec. cor
80.04	Intersect N. and S. line 10 chs. N. of cor of secs. 11-12-13 and 14
	Thence I run
	West on a true line bet. secs. 11 and 14.
	Over flat desert
40.02	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.-
	On E. pit drive a pine stake 2 ft long 2 inc. sq. 12 inc in the ground marked
	1/4 S. 11 on N. face and 14 on S. face
80.04	The cor. of secs. 10-11-14 and 15
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegetation
	N 0°2' W. bet. secs. 10 and 11
	Over white desert
40.00	Set a limestone 16 x 16 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 18 x 6 x 6 inc. 12 inc. in the ground for cor. of secs. 2-3-10 and 11 marked with 5 notches on S. and 2 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.-
	Land level desert
	Soil clay and alkali salts 4th rate
	No timber
	A few shadscale bushes scattering
	East on a random line bet. secs. 2 and 11
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 8 chs. N. of cor. of secs 1-2-11 and 12
	Thence I run
	N. 89° 57' W. on a true line bet. secs. 2 and 11
	Over level, white desert
40.03	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor.; dig pits 18 x 18 x 12 inc E. and W. of cor. 4 ft. dist.

Chain	and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a redwood stake 2 ft. long 2 in. sq. 12 in.
	in the ground marked
	1/4 S. 2 on N. face and 11 on S. face
80.06	The cor. of secs. 2-3-10 and 11
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale, thorn scattering
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40.00	Set limes. 1/4 sec. cor.
82.90	Intersect N. bdy of Tp. at cor. of secs 2-3-34 and 35 as
	heretofore described
	Thence S. on
	S. 0° 2' E. on a true line bet. secs. 2 and 3
	Over level land
42.90	Set a limestone 16 x 8 x 7 in. 11 in. in the ground for 1/4 sec
	cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S.
	of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft.
	high W. of cor.
82.90	The cor. of secs. 2-3-10 and 11
	Land level, desert, white. —
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering. —
	June 19, 1903
	June 20: At 7h 26m a.m., L.M.T. I set off 41° 7' N. on the lat.
	arc 23° 27' N. on the decl. arc. and determined a meridian
	with the solar at the standard cor. of secs. 33 and 34 on S. bdy.
	of Tp. as by sec. April 17, 1903 thence S. on
	N. 0° 2' W. bet. secs. 33 and 34
	Over level land
8.95	Misty wash. drain S.E.
40.00	Set a limestone 16 x 9 x 5 in. 11 in. in the ground for 1/4 sec. cor
	marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3
	ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high
	W. of cor.
47.00	Misty wash. 3 ft. deep 40 ft. wide drain S.E. water in bottom
80.00	Set a limestone 16 x 8 x 6 in. 11 in. in the ground for cor. of

Claim	sec. 27-28-33 and 34 marked with 1 notch on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land, level, white, desert Soil clay and alkali salts 4th rate No vegetation. —
	East on a random line bet. sec. 27 and 34
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 5 chs. S. of cor of sec. 26-27-34 and 35
	Thence 2 miles
	S. 89° 55' W. on a true line bet. sec. 27 and 34
	Over flat, white, desert
39.96	Deposite a quart of broken glass 12 inc. in the ground for ¼ sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit. drive a fence stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked ¼ S. 27 on N. face and 34 on S. face
79.92	The cor. of sec. 27-28-33 and 34
	Land, flat, desert
	Soil clay and alkali salts 4th rate
	No vegetation
	N. 0° 2' W. bet. sec. 27 and 28
	Over flat, white desert
40.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 17 x 7 x 6 inc. 12 inc. in the ground for cor of sec. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land flat white desert Soil clay and alkali salts 4th rate No vegetation
	N. 89° 58' E. on a random line bet. sec. 22 and 27

Subdivision of T. 5 N. R. 16 W.

Chains	
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 lks. N. of cor. of secs. 22-23-26 and 27
	Thence O run
	West on a true line bet. secs. 22 and 27
	Over flat white desert
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 22 on N. face and 27 on S. face
80.00	The cor. of secs. 21-22-27 and 28
	Land flat white desert
	Soil clay and alkali salts 4th rate.
	No vegetation
	N 0° 2' W. bet. secs. 21 and 22
	Over flat white desert
40.00	Set a limestone 18x6x5 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
45.00	Enter loose sand in dunes and ridges 8 ft. high, and low thorny shrub; course N.W. and S.E.
80.00	Set a limestone 17x8x5 inc. 12 inc. in the ground for cor. of secs. 15-16-21 and 22 marked
	5 N. on N.E. and
	16 W. on S.E. faces with 3 notches on S. and E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay with alkali salts and loose gray sand 4th rate
	No timber
	Low thorny shrub scattering
	East on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 14-15-22 and 23
	Thence O run
	West on a true line bet. secs. 15 and 22

Chains	
	Over level land
39.98	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor X dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 15 on N. face and 22 on S. face
	Enter loose sand in hillocks and ridges course N.W. and S.E.
79.96	The cor of sec. 15-16-21 and 22
	Land level
	Soil clay and alkali salts, and loose sand
	No timber
	Low shadscale thorn scattering
	June 20; At this cor. I set off 23°26'30" N on the decl arc and at 12h 1m p.m. A.M.T. observe the sun on the meridian; the resulting lat. is 41°9'30" N.
	N. 0°2' W. bet. sec. 15 and 16
	Over level land and sand hillocks
40.00	Set a limestone 16 x 8 x 6 inc. 11 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
50.00	Leave sand course E. and W. enter alkali flat.
80.00	Set a limestone 16 x 8 x 7 inc. 11 inc. in the ground for cor. of sec. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil sand and clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	East on a random line bet. secs. 10 and 15
40.00	Set temp 1/4 sec. cor.
80.04	Intersect N. and S. line 3 chs. N. of cor. of secs. 10-11-14 and 15
	Thence I run
	N. 89°59' W. on a true line bet. secs. 10 and 15
	Over level land
40.02	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist.

Chains	
	and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 in. sq 12 in. in the
	ground marked
	1/4 S. 10 on W. face and 15 on S. face
80,04	The cor. of secs. 9-10-15 and 16
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	N. 0° 2' W. bet. secs. 9 and 10
	Over level land
40,00	Set a limestone 16×8×8 in. 11 in. in the ground for 1/4 sec
	cor. marked 1/4 on W. face; dig pits 18×18×12 in N. and S.
	of stone 3 ft. dist. and raise a mound of earth 3½ ft. base
	1½ ft. high W. of cor.
63,60	Dry wash drains S. E.
80,00	Set a limestone 17×8×8 in. 12 in. 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 18×18×12 in. in each sec;
	5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high
	W. of cor.
	Land level, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	S. 89° 59' E. on a random line bet. secs. 3 and 10
40,00	Set temp. 1/4 sec. cor
80,00	Intersect N. and S. line 3 lks. N. of cor. of secs. 2-3-10 and 11
	Thence S. run
	N. 89° 58' W. on a true line bet. secs. 3 and 10
	Over level land
40,00	Deposite a quart of broken glass 12 in. in the ground
	for 1/4 sec. cor.; dig pits 18×18×12 in E. and W. of cor.
	4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high
	over deposite
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the
	ground marked
	1/4 S. 3 on N. face and 10 on S. face
80,00	The cor. of secs. 3-4-9 and 10

Chains	
	Land level, desert
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	N 0° 2' W. on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec. cor.
82.96	Intersect N. bdy. of Tp. 3 lks. E. of cor. of secs. 3-4-33 and 34 as heretofore described
	Thence I run
	S. 0° 3' E. on a true line bet. secs. 3 and 4
	Over level land
42.96	Set a limestone 17 x 7 x 7 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
82.96	The cor. of secs. 3-4-9 and 10
	Land level, desert
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	June 20, 1903
	June 21: At 7h 30m a.m., I m.t. I set off 41° 7' N. on the lat. arc 23° 27' 30" N. on the decl. arc and determine a meridian with the solar at the standard cor. of secs. 32 and 33 on S. bdy. of Tp. set by me April 17, 1903
	Thence I run
	N. 0° 3' W. bet. secs. 32 and 33
	Over level land
19.25	Mary wash drains E.
40.00	Set a limestone 17 x 7 x 5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. 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 limestone 18 x 6 x 6 in. 12 in. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land flat desert

Subdivision of T. 3 N. R. 16 W.

Chains	Soil clay and alkali salts 4th rate —
	No vegetation
	East on a random line bet. secs. 28 and 33
4,00	Set limst. 1/4 sec. cor.
8,00	Intersect N. and S. line at cor of secs. 27-28-33 and 34
	Thence S. 0 min
	West on a true line bet. secs. 28 and 33
	Over flat desert
28,50	Rising ground 3 ft deep, 40 ft. wide drains S. E.
40,00	Deposite a quart of bottles glass 12 inches in the ground for 1/4 sec cor.; dig pits 18 x 18 x 12 inches S and W of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In S. pit drive a pine stake 2 ft. long 2 inches sq. 12 inches in the ground marked
	1/4 S. 28 on N. face and 33 on S. face
50,00	The cor of secs 28-29-32 and 33
	Land flat desert
	Soil clay and alkali salts 4th rate —
	No vegetation. —
	N. 0° 3' W. bet. secs. 28 and 29
	Over level land
41,00	Set a limestone 16 x 8 x 3 inches 11 inches in the ground for 1/4 sec cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inches N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
57,40	Rising ground 3 ft. deep 60 ft. wide drains E.
80,00	Set a limestone 16 x 12 x 6 inches 11 inches 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 inches in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No vegetation. —
	East on a random line bet. secs. 21 and 28
40,00	Set limst. 1/4 sec. cor.
80,00	Intersect N. and S. line 8 chs. S. of cor. of secs. 21-22-27 and 28

Chains	
	Thence I run
	S.89°57' W. on a true line bet. secs. 21 and 28
	Over level land
40,03	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18X18X12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.—
	In E. pit drive a pine stake 2 ft long 2 in. sq. 12 in in the ground marked
	1/4 S. 21 on N. face and 28 on S. face
80,06	The cor. of secs. 20-21-28 and 29
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation
	N 0°3' W. bet. secs. 20 and 21
	Over level land
40,00	Set a limestone 16X7X6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18X18X12 in 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 limestone 16X7X5 in. 11 in in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 notches on E. edges; dig pits 18X18X12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.—
	Land flat desert
	Soil clay and alkali salts 4th rate
	No vegatation.—
	June 21: At this cor. I set off 23°27' N on the decl arc and at 12h 1m p.m. ?m.t. observe the sun on the meridian; the resulting lat. is 41°9'30" N.
	N. 89°57' E on a random line bet. secs. 16 and 21
40,00	Set temp 1/4 sec. cor.
80,04	Intersect. N. and S. line at cor of secs. 15-16-21 and 22
	Thence I run
	S 89°57' W on a true line bet. secs. 16 and 21
	Over level land, and loose sand
40,02	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18X18X12 in. E. and W. of cor. 4 ft. dist.

Subdivision of T.5 N.R.16 W.

diagm.	and raise a mound of earth 3½ ft. base 1½ ft. high over defaulted
	Pit E. feet drive a fence stake 2 ft. long 2 in. sq. 12 in. in the
	ground marked; 1/4 S 16 on N face and 21 on S face
4,00	Leave sand and enter clay and alkali. bearing W. and S.
8,00	The cor. of sec. 16-17-20 and 21
	Land flat desert
	Soil clay and alkali salts 4th rate
	Low shadscale thorn scattering
	N.0°3' W. bet. secs. 16 and 17
	Over level land
40,00	Set a limestone 17x7x6 in. 12 in. in the ground for 1/4
	sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. 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 limestone 15x6x6 in. 12 in. in the ground for cor. of
	secs. 8-9-16 and 17 marked with 4 notches on S. and E.
	edges; dig pits 18x18x12 in. in each sec. 3½ ft. dist. and
	raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level desert
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	N.89°57' E. on a meander line bet. secs. 9 and 16
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line 3 chs. N. of cor. of secs. 9-10-15 and 16
	Stone 9 in.
	S.89°55' W. on a true line bet. secs. 9 and 16
	Over level land
40,00	Identify a quart of broken glass 12 in. in the ground for 1/4 sec.
	cor. dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise
	a mound of earth 3½ ft. base 1½ ft. high over defaulted
	Pit E. feet drive a fence stake 2 ft. long 2 in. sq. 12 in. in the
	ground marked
	1/4 S. 9 on W. face and 16 on S. face
80,00	The cor. of secs. 8-9-16 and 17
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering

Subdivision of T. 5 N. R. 16 W.

Chains	
	N. 0° 3' W. bet. secs. 8 and 9
	Over level land
40.00	Set a conglomerate stone 16 x 8 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
47.40	Wash 6 ft. deep 50 ft. wide drains S.E.
80.00	Set a limestone 17 x 7 x 6 inc. 12 inc. in the ground for cor. of secs. 4-5-8 and 9 marked with 5 notches on S. and 4 notches on E. edges; dig pits 18 x 18 x 12 inc. in each on 6½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low, shadscale thorn, scattering
	N. 89° 58' E. on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line 5 lks. N. of cor of secs. 3-4-9 and 10
	Thence I run
	West on a true line bet. secs. 4 and 9
	Over level land
20.60	Wash drains S.E.
39.97	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and N. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S 4 on N. face and 9 on S. face
79.94	The cor. of secs. 4-5-8 and 9
	Land level, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	N. 0° 3' W. on a random line bet. secs. 4 and 5
40.00	Set temp. 1/4 sec. cor.
82.86	Intersect N. bdy. of Tp. 7 lks. E. of cor. of secs 4-5-32 and 33 as heretofore described

Subdivision of T. 5 N. R. 16 W.

Chains	
	Thence I run
	S. 0° 6' E. on a true line bet. secs. 4 and 5.
	Over level land
8.96	Dry wash drains S.E.
25.68	Dry wash drains S.E.
42.86	Set a conglomerate stone 16x9x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor
45.90	Very wash drains S.E.
82.86	The cor. of secs. 4-5-8 and 9
	Land, flat, desert
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	June 21. 1903
	June 22: At 7h 24m a.m. T.m.T. I set off 41° 7' N. on the lat. arc 23° 28' N. on the decl arc and determine a meridian with the solar at the standard cor. of secs. 31 and 32 on S. bdy of Tp. set by me April 17. 1903
	Thence I run
	N. 0° 4' W. bet. secs. 31 and 32
	Over level land
40.00	Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
72.20	Wash drains S.E.
80.00	Set a limestone 17x6x6 in. 12 in. in the ground for cor. of secs. 29-30-31 and 32 marked with 1 notch on S and 5 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, flat, desert
	Soil clay and alkali salts 4th rate
	No vegatation.
	East on a random line bet. secs. 29 and 32
40.00	Set temp. 1/4 sec. cor.
80.08	Intersect N. and S. line 10 lks N. of cor of secs. 28-29-32

Chains	and 33
	Thence I run
	N 89° 56' W on a true line bet. secs. 29 and 32
	Over level land
40.04	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S 29 on N face and 32 on S. face
80.08	The cor. of secs. 29-30-31 and 32
	Land flat, desert
	Soil clay and alkali salts 4th rate
	No vegatation
	I right the cor. of secs. 25-30-31 and 36 on W. bdy. of Tp.
	Thence I run
	West bet. secs. 30 and 31
	Over level land
17.35	Miry wash drains S.E.
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 30 on N. face and 31 on S face
79.86	Intersect W bdy. of Tp. at cor. of secs. 25-30-31 and 36 as heretofore described
	Land, flat, desert
	Soil clay and alkali salts 4th rate
	No vegatation
	N 0° 4' W. bet. secs. 29 and 30
	Over level land
40.00	Set a limestone 16x8x6 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 conglomerate stone 16x8x5 ins. 11 ins. in the

Chains	
	ground for cor. of secs. 19-20-29 and 30 marked with 2 notches on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land, flat, desert
	Soil sticky clay and alkali salts 4th rate
	No vegatation.
	S 89° 56' E. on a random line bet. secs. 20 and 29
4.00	Set temp. ¼ sec. cor.
8.00	Intersect N. and S. line 5 chs. S. of cor. of secs. 20-21-28 and 29
	Thence I run
	N 89° 58' W. on a true line bet. secs. 20 and 29
	Over level land
4.00	Deposite a quart of broken glass 12 inc. in the ground for ¼ sec. cor., dig pits 18 x 18 x 12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	¼ S. 20 on N. face and 29 on S. face
6.25	Cross creek 5 ft. deep 50 ft. wide drains S.E. Water in hollow
8.00	The cor. of secs. 19-20-29 and 30
	Land, flat, desert
	Soil sticky clay and alkali salts 4th rate
	No vegatation
	June 22: At this cor. I set off 23° 27' 30" N. on the decl. arc and at 12h 1m p.m. mean time observed the sun on the meridian the resulting lat. is 41° 8' 30" N
	Right the cor. of secs. 19-24-25 and 30 on W. bdy. of Tp.
	Thence I run
	West bet. secs. 19 and 30
	Over level land
4.00	Deposite a quart of broken glass 12 inc. in the ground for ¼ sec. cor., dig pits 18 x 18 x 12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	¼ S. 19 on N. face and 30 on S. face

Chains	
79.70	Intersect W. bdy. of Tp. at cor. of secs. 19-24-25 and 30 as heretofore described Land level Soil sticky clay and alkali salts 4th rate No vegetation
	N. 0°4' W. bet. secs. 19 and 20
7.55	Dry wash drains E.
20.00	Enter bend in wash from N.E. turns S.E.
22.00	Leave wash
32.46	Large wash 4 ft. deep 60 ft. wide drains S.E.; water standing
40.00	Set a limestone 16×7×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18×18×12 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 limestone 17×7×6 ins. 12 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 18×18×12 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 clay and alkali salts 4th rate No timber A few low thorny shrub scattering
	S. 89°58' E. on a random line bet. secs. 17 and 20
40.00	Set birch. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 lks. S. of cor. of secs. 16-17-20 and 21 Thence S. runs West on a true line bet. secs. 17 and 20 Over level land
40.00	Set a limestone 16×6×6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 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. 17-18-19 and 20 Land level Soil clay and alkali salts 4th rate No timber A few thorny shrub scattering. —

Subdivision of T. 5 N. R. 16 W.

Chains	
	I right the cor. of sec. 13-18-19 and 24 on W. bdy of Tp.
	And run; over level land
	S. 89°58' W. bet. secs. 18 and 19
26.06	Wash 4 ft. deep 50 ft. wide drain S. 20° E.; water standing
40.00	Set a limestone 18 x 6 x 5 in. 12 in in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
79.56	Intersect W. bdy. of Tp. at cor. of secs. 13-18-19 and 24 as heretofore described
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low thorny shrub scattering
	N. 0°4' W. bet. secs. 17 and 18
	Over level land
40.00	Set a granite stone 16 x 9 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. 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 16 x 8 x 6 in. 11 in. in the ground for cor. of secs. 7-8-17 and 18 marked with 4 notches on S. and 5 notches on E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low thorny shrub scattering
	June 22, 1903
	June 23: At 7h 32m a.m. T.m.t. I set off 41°10'30" N. on the lat. arc 23°27'30" N. on the decl arc and determine a meridian with the solar at the cor. of secs. 7-8-17 and 18
	Thence I run
	East on a random line bet. secs. 8 and 17
40.00	Set lench. 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 8-9-16 and 17
	Thence I run

Subdivision of T. 5 N. R. 16 W.

Chains	
	West on a true line bet. secs. 8 and 17
	Over level land
39.98	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 8 on N. face and 17 on S face
79.96	The cor. of secs. 7-8-17 and 18
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low, thorny shrub scattering
	I right the cor. of secs. 7-12-13 and 18 on W. bdy of Tp. and runs N. 89° 57' W. bet. secs. 7 and 18
	Over level land
40.00	Set a limestone 16 x 8 x 5 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 3½ ft. base 1½ ft. high N. of cor.
79.40	Intersect W. bdy. of Tp. at cor of secs. 7-12-13 and 18 as heretofore described
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low thorny shrub scattering
	N. 0° 4' W. bet. secs. 7 and 8
	Over level land
40.00	Set a granite stone 16 x 9 x 6 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. W. and S. of cor 6 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a tufa stone 16 x 8 x 6 ins. 11 ins. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; 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 clay and alkali salts 4th rate

Subdivision of T. 5 N. R. 16 W.

Chains	
	No timber Scattering thorney shrub on low hillocks
	East on a random line bet. secs. 5 and 8
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect N. and S. line 9 lks. S. of cor. of secs. 4-5-8 and 9
	Thence I run
	S. 89° 56' W. on a true line bet. secs. 5 and 8
	Over level land
39.96	Set a lime stone 16x10x4 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± ft. base 1± ft. high N. of cor.
56.10	Wash drain S.E. 3 ft. deep 40 ft. wide; water in hollow
79.92	The cor. of secs. 5-6-7 and 8
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Low thorney shrub scattering
	I sight the cor. of secs. 1-6-7 and 12 on W. bdy. of Tp. and run
	West bet. secs. 6 and 7
	Over level land
40.00	Set a lime stone 15x9x6 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± ft. base 1± ft. high N. of cor.
79.36	Intersect W. bdy. of Tp. at cor. of secs. 1-6-7 and 12 as heretofore described
	Land level, with low hillocks
	Soil clay and alkali salts, 4th rate
	No timber
	Low thorney shrub on hillocks
	N. 0° 4' W. on a random line bet. secs. 5 and 6
40.00	Set temp. 1/4 sec. cor.
82.90	Intersect N. bdy. of Tp. 14 lks. E. of cor. of secs. 5-6-31 and 32 as heretofore described
	Thence I run
	S. 0° 10' E. on a true line bet. secs. 5 and 6
	Over level land

Chains	
42,90	Set a tufa stone 16 x 7 x 5 in. 12 in. in the ground for 1/4 sec. cor marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
62,40	Miry wash 3 ft. deep 40 ft. wide drains S.E.
82,90	The cor. of secs. 5-6-7 and 8
	Land level with low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub scattering
	June 23: The sky being overcast during the noon hour I was unable to observe the sun on the meridian.—
	For test of adjustments of the solar see following book i.e. Book Z.
	June 23, 1903

General Description

This township is all alkali desert land; very level, and flat except for hillocks 2 to 3 ft high in the N. W and N.E. Cor. It contains no vegatation except scattering sprigs of shadscale thorn.—

The water standing in the washes is very alkaline and unfit for any use whatever.—

There are no settlers nor improvements and the whole township is, a trackless white waste; which also fully describes the land adjoining on the S. and E. as far as the eye can reach.—

Andrew P Hanson
U.S. Dep. 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 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.*

For final affidavits see book L³ Tp 7 N R 16 W, *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 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 .....

....., *Chainman.*

....., *Chainman.*

For final affidavit see book L³ Tp 7 N R 16 W, *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

6—151

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 t ..... day of ....., 189 , 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 t United States, surveyed all those parts or portions of

.....

For final affidavit see book L3 Tp 7 N R 16 W

..... 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 sole 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 S y 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surveyo

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

SEAL

.....

.....

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904.

The foregoing field notes of the survey of the Subdivisional Line of Township 5 North Range 16 West of the Salt Lake Base & Meridian Utah

executed by Andrew P Hanson under his contract No. 261, dated March 18, 1903, 189 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and th 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 General

6—151

BLANK

PAGE

BLANK

PAGE

a.6.

4—679.

Z'.

BOOK A-302

FILED
FEB 18 1904

FIELD NOTES

OF THE SURVEY OF THE

North Boundary

of

Township No. 6 North Range No. 16 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hansen, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18, 1903, ~~189~~

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

Survey completed June 24, 1903, ~~189~~

6—151

Loc. 5-79-16

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - Chainman

R J Froiseth - - - - "

J F Hoffman - - - Moundman

Frank Hoffman Jr - - - "

R J Froiseth - - - Axman

Frank Hoffman Jr. - - - "

B R Lawrence - - - Flagman

For preliminary affidavits see book S. Sp 5 N R 16 W.

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

Meanders Page.....

6—151

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 ....., 189

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 ....., 189

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, ..., 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 ....., 189

SEAL

North Bdy. of T. 6 N. R. 16 W.

Chains

Survey commenced June 23, 1903 and executed with a W. & L. E. Gurley light mountain transit with solar attachments; the horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc; which is also the least count of the verniers of the latitude and declination arcs.—
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 6, 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 a m and p m hours with a meridian determined by observations on Polaris I proceed as follows:
At the cor. of Tps. 6 and 7 N. Rs 15 and 16 W. latitude 41°17' 22" N. longitude 113°37'16" W.; I set off 41°17'30" N. on the lat. arc; 23°27'30" N. on the decl. arc and at 3h30m p.m. l.m.t. determine with the solar a meridian and mark a point thereof on a stake firmly set in the ground 5 chs. N. of the cor.
At 9h50m p.m. l.m.t. I observe Polaris, in accordance with Manual of Instructions, and mark a point in the line thus determined on a plug driven in the ground 5 chs. N. of my station

Astron. l.m.t. of obs. June 23		9h 50m
U C Polaris June 15	19h 49.3m	
Red. to June 22	27.4	
U. C. Polaris June 22	19h 21.9m	19. 21.9
Stowe angle of Polaris at obs.		14 28.1
Subt. from		23 56.1
Time argument for table VII		9 28.0
Azimuth of Polaris at obs.	0° 59'00" E.	

June 23, 1903

June 24: At 7h30. a.m. l.m.t. I lay off the azimuth of Polaris 1°28' to the west and mark the meridian thus determined by a tack driven in the stake set June 23 on which the meridian falls 0.6 in. W. of the mark determined by the solar.—
I then set off 41°17'30" N. on the lat. arc 23°27'00" N.

chains	on the decl. arc and mark a point in the meridian determined by the solar, on the stake already set 5 chs N. of the instrument; this mark falls 0.6 ins. west of the meridian established by the Polaris observation.— The solar apparatus by p.m. and a.m. observation defines positions for meridians respectively about 32" east and west of the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.— The magnetic bearing of the meridian at 7h 30m a.m., l.m.t. is N. 17°50' W.; the angle thus determined gives the mag. decl. 17°50' E.
	I begin at the cor. of Tps. 6 and 7 N. Rs. 15 and 16 W. as heretofore described Thence I run West on a random line along the N. bdy. of T. 6 N. R. 16 W., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 79.16 chs. intersect E. bdy. of T. 6 N. R. 17 W. 82 lks. S. of cor. of Tps. 6 and 7 N. Rs. 16 and 17 W. as heretofore described:— The falling answers to a correction of 0°6' or 14 lks. N. per mile counting from the N.E. cor. of Tp. therefor I run S. 89°54' E. bet. secs. 6 and 31 marking true line Over rough land; through undergrowth
39.16	Set a limestone 16x7x6 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.
79.16	Set a limestone 16x8x7 ins. 11 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 18x18x12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rough, hillocks and low ridges Soil, clay and alkali salts, and some gravel 4th rate No timber Thorny shrub undergrowth—
	S. 89°54' E. bet. secs. 5 and 32 Over rough land; through undergrowth—

North Bdry. of T. 6 N. R. 21 6 W.

Chains	
40,00	Set a limestone 16x8x7 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. 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 limestone 18x7x6 inc. 12 inc. in the ground for cor. of secs. 4-5-32 and 33 marked with 4 notches on E. and 2 notches on W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W of cor.
	Land nearly level, rough, ridges and hillocks
	Soil clay and alkali with 4th rate - No timber
	Thorny shrub undergrowth
	—
	S. 89°54' E. bet. secs. 4 and 33
	Over nearly level rough land
40,00	Set a limestone 17x7x6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. 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 limestone 18x6x6 inc. 12 inc. in the ground for cor. of secs. 3-4-33 and 34 marked with 3 notches on E. and W. edges; dig pits 18x18x12 inc. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough
	Soil clay and alkali with 4th rate
	No timber
	Thorny shrub undergrowth - 80,00 chn. -
	—
	S 89°54' E. bet. secs. 3 and 34
	Over nearly level land
40,00	Set a limestone 17x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 inc. 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 limestone 16x6x6 inc. 11 inc. in the ground for cor. of secs. 2-3-34 and 35 marked with 2 notches on E. and 4 notches on W. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Chains | Land nearly level, rough
Soil clay and alkali salts 4th rate
No timber
Low thorny shrub undergrowth — 80.00 chs.

S. 89° 54' E. bet. secs. 2 and 35
Over nearly level, rough land
34.90 Dry wash drains S.E.
40.00 Set a limestone 18 x 6 x 6 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 3½ ft. base 1½ ft. high N. of cor.
80.00 Set a limestone 16 x 7 x 6 ins. 11 ins. in the ground for cor. of secs. 1-2-35 and 36 marked with 1 notch on E. and 5 notches on W. edges; 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 nearly level, rough, low hillocks
Soil clay and alkali salts 4th rate
No timber
Low thorny shrub undergrowth — 80.00 chs.
June 24: The sun being obscured by clouds during the noon hour I was unable to observe the sun while on the meridian

S. 89° 54' E. bet. secs. 1 and 36
Over rough land
40.00 Set a limestone 16 x 7 x 6 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 3½ ft. base 1½ ft. high N. of cor.
80.00 Intersect the cor. of Tps. 6 and 7 N. Rs. 15 and 16 W.
Land rough, hillocks and sand dunes, with alkali flats
Soil clay and alkali salts and loose fine sand 4th rate
No timber
Thorny shrub undergrowth — scattering
For test of adjustments of the solar see the following book i.e. "Book Z²⁴".

June 24, 1903

North Boundary of T. 6 N. R. 16 W.

Boundaries of T. 6 N. R. 16 W.

Latitudes departures and closing errors.

Line designated	True bearing	Distances	Latitudes N	Latitudes S	Departures E	Departures W.
		chs	chs	chs	chs	chs
West Bdy.	North	488.44	488.44			
North Bdy.	S. 89° 54' E.	479.16		0.82	479.16	
East Bdy.	South	488.74		488.74		
South Bdy.	S. 89° 59' W.	479.32		0.14		479.32
Convergency					0.63	
Totals			488.44	489.70	479.79	479.32
				488.44	479.32	
Errors				1.26	0.47	

General Description

For general description see field notes of subdivision of this Tp. "Book Z."

Andrew F. Hanson
U. S. Deputy Surveyor

BLANK

PAGE

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Hanson 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 S. and E. bdys. T. 4 N. Rs. 18 and 17 W. — E. and N. bdys. T. 5 N. Rs. 18-17 and 16 W. — E. bdy. T. 6 N. R. 15 W. — E. and N. bdys. T. 6 N. Rs. 17 and 16 W. and E. bdy. of T. 7 N. Rs. 17 and 16 W. of the Salt Lake Base and Meridian states. showing the respective capacities in which they acted:

J. F. Hoffman	Chainman.
R. J. Faviette	Chainman.
J. F. Hoffman	Moundman.
Frank Hoffman Jr.	Moundman.
R. J. Faviette	Axman.
Frank Hoffman Jr.	Axman.
B. R. Lawrence	Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Hanson United States Deputy Surveyor, in surveying all those parts or portions of the S. and E. bdys. T. 4 N. Rs. 18 and 17 W. — E. and N. bdys. T. 5 N. Rs. 18-17 and 16 W. — E. bdy. T. 6 N. R. 15 W. — E. and N. bdys. T. 6 N. Rs. 17 and 16 W. and E. bdys. of T. 7 N. Rs. 17 and 16 W. 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.

J. F. Hoffman	Chainman.
R. J. Faviette	Chainman.
J. F. Hoffman	Moundman.
Frank Hoffman Jr.	Moundman.
R. J. Faviette	Axman.
Frank Hoffman Jr.	Axman.
B. R. Lawrence	Flagman.

Subscribed and sworn to before me this seventh day of July 1903., ~~189~~

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P. Hanson, United States Deputy Surveyor, solemnly swear that, in pursuance of a contract received from Ed[illegible] United States Surveyor General for Utah, bearing date of 18, day of March 1903, ~~189~~, I have well, faithfully, and truly, in my c[illegible] proper person, and in strict conformity with the instructions furnished by the United States S[illegible] General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the S and E [illegible] T 4 N R 18 [illegible] E and N. Bdy T 5 N R 18 W — E. Bdy T 6 N R 18 W — E and N. Bdys of T 5 and 6 N R 17 W E. Bdy. of T 7 N R 17 W — E and N. Bdys of T 5 and 6 N R 16 W, and E. Bdy of T 7 R 16 W,

of the [illegible] and meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further [illegible] 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 Survey General for Utah 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P. Hanson
United States Deputy Surve[illegible]

Subscribed by said Andrew P. Hanson, and sworn to before me this 18th day of February, 1904

Edward H. Anderson
U. S. Surveyor Gene[illegible]
for Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 1904.

The foregoing field notes of the survey of the North Boundary of Township 6 North Range 16 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hanson under his contract No. 261, dated March 18, 1903, ~~189~~, having b[illegible] critically examined, and the necessary corrections and explanations made, the said field notes, and t[illegible] 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

6—151

BLANK

PAGE

BLANK

PAGE

4—679.

Z.2.

BOOK A-302

FILED

FEB 18 1904

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township 6 North Range No. 16 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18, 1903, ~~189~~

Survey commenced June 24 1903, ~~189~~

Survey completed June 29 1903, ~~189~~

6—151

low - 60-40-83-✓

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - - - Chainman

R J Froiseth - - - "

J F Hoffman - - - - - Monuman

Frank Hoffman Jr. - - - "

R J Froiseth - - - Axman

Frank Hoffman Jr. - - - "

B R Lawrence - - - Flagman

For preliminary affidavits see book L. Tp. 4 N R 18 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township....., *Range*.....

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

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 ....., 189

.....

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 ....., 189

.....

SEAL

.....

WE, ...and.....
do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corne
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, ..., 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 th
survey of .....

.....*Flagm*

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

.....

SEAL

.....

6—151

Subdivision of T.6 N.R.16 W.

Marine	Survey commenced June 24, 1903 and executed with a W & L E Gurley light mountain transit with solar attachment.— The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.— 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 6, 1903 At 2h 0m p.m. I.m.T. I set off 41° 17' 30" N. on the lat. arc 23° 26' 30" N on the decl. arc and test the adjustments of the solar on the meridian established this day from Polaris at the cor. of Tps. 6 and 7 N. Rs. 15 and 16 W. as described at beginning of field notes of survey of N. bdy. of this Tp. Book 7. reference to which is hereby made.— And finding the solar indicates a meridian within 0' 30" of said meridian obtained from Polaris observations I conclude the adjustments of the instrument are correct and that further tests at this time are unnecessary.—
	I begin at the cor. of secs. 1-2-35 and 36 on S. bdy. of T.6. N.R.16 W. as heretofore described, and at 3h 30m p.m. I.m.T. set off 41° 12' N. on the lat. arc 23° 27' N. on the decl. arc and determine a meridian with the solar, the magnetic bearing of which is N. 17° 50' W.; the angle then determined gives the mag decl. 17° 50' E. Thence I run N. 0° 1' W. bet. secs. 35 and 36 Over level land
40,00	Set a limestone 18 x 6 x 5 in. 12 in. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. 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 limestone 16 x 7 x 6 in. 11 in. in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land level with scattering hillocks 2 to 3 ft. high soil clay and alkali salts 4th rate

Subdivision of T. 6 N. R. 3 & 4 W.

Chains	No timber Low shadscale thorn scattering
	I sighted the cor. of secs. 25-30-31 and 36 on E bdy of Tp. and run East on a random line bet. secs. 25 and 36
40.00	Set limp. 1/4 sec. cor.
80.00	Intersect E. bdy of Tp. at cor. of secs. 25-30-31 and 36 as heretofore described
	Thence I run
	West on a true line bet. secs. 25 and 36
	Over level land
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor.: dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 25 on N. face and 36 on S. face
78.00	Dry wash drains S. 80° E.
80.00	The cor. of secs. 25-26-35 and 36
	Land level with low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	N. 0° 1' W. bet. secs. 25 and 26
	Over level land
0.67	Dry wash drains S. E.
40.00	Set a limestone 16x7x5 inc. 11 inc. in the ground for 1/4 sec cor marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
58.80	Dry wash drains E. 3 ft. deep 10 ft. wide
80.00	Set a limestone 17x7x5 inc. 12 inc. 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 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level, with low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering

Subdivision of T. 6 N. 12, 16 W.

Chains	
	I sight the cor. of secs. 19-24-25 and 30 on E. bdy of Tp. and run N. 89°57' E. on a random line bet. secs. 24 and 25
14.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. at cor. of secs 19-24-25 and 30 as heretofore described
	Thence I run
	S 89°57' W on a true line bet. secs. 24 and 25
	Over nearly level land
40.00	Deposite a quart of broken glass 12 ins in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit drive a pine stake 2 ft. long 2 ins. sq 12 ins. in the ground marked
	1/4 S. 24 on W. face and 25 on S. face
80.00	The cor of secs. 23-24-25 and 26
	Land nearly level; low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	N. 0°1' W. bet. secs. 23 and 24
	Over nearly level land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On S. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 23 on W. face and 24 on E. face
45.60	Dry wash drains E.
80.00	Set a limestone 16 x 6 x 6 ins. 11 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. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level with scattering low hillocks.
	Soil clay and alkali salts 4th rate
	No timber
	A few shadscale thorn scattering
	June 24, 1903
	June 25: At 7.26 a.m. P.M.T. I set off 41°14'30" N. on the

chains	lat. are 23° 26' N. on the decl. are and determine a meridian with the solar at the cor. of secs. 13-14-23 and 24; thence I might the cor. of secs. 13-18-19 and 24 on E. bdy. of Tp. and run
	S. 89° 58' E. on a random line bet. secs. 13 and 24.
40.00	Set limestone 1/4 sec. cor.
79.94	Intersect E. bdy. of Tp. at cor. of secs. 13-18-19 and 24 as heretofore described.
	Thence I run
	N. 89° 58' W. on a true line bet. secs. 13 and 24
	Over level land
39.97	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 13 on N. face and 24 on S. face
79.94	The cor. of secs. 13-14-23 and 24
	Land level, with low hillocks scattering
	Soil clay and alkali salts, and sand, 4th rate
	No timber
	Scattering low shadscale thorn
	N. 0° 1' W. bet. secs. 13 and 14
	Over level land
40.00	Set a limestone 17 x 6 x 6 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.
68.86	Dry wash drains E.
80.00	Set a limestone 16 x 7 x 6 ins. 11 ins. in the ground for cor. of secs. 11-12-13 and 14 marked with 4 notches on S. and 1 notch on E. edges; 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 with low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Scattering low shadscale thorn
	S. 89° 58' E. on a random line bet. secs. 12 and 13
40.00	Set limestone 1/4 sec. cor.
79.96	Intersect E. bdy. of Tp. 5 chs. S. of cor. of secs. 7-12-13 and 18 as

Subdivision of T. 6 N. R. 16 W.

Chains	
	heretofore described
	Thence I run
	West on a true line bet. secs. 12 and 13
	Over nearly level land
21.10	Dry wash drains S. 60° E.
39.95	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4-S. 12 on N. face and 13 on S. face
79.96	The cor. of secs. 11-12-13 and 14
	Land nearly level; low hillocks and sand dunes
	Soil clay and alkali salts and loose sand 4th rate
	No timber
	Low shadscale thorn scattering
	N 0° 1' W. bet. secs. 11 and 12
	Over nearly level land
10.50	Dry wash drains E.
40.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
47.50	Dry wash drains E.
80.00	Set a limestone 17x6x6 inc. 11 inc. in the ground for cor. of secs. 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, with hillocks 3 to 4 ft. high
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	East on a random line bet. secs 1 and 12
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. at cor. of secs 1-6-7 and 12 as heretofore described
	Thence I run
	West on a true line bet. secs. 1 and 12
	Over rough land

Chains	
40.00	Deposite a guard of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
80.00	The cor. of secs. 1-2-11 and 12 Land rough, hillocks and sand dunes Soil clay and alkali salts and loose sand 4th rate No timber Thorny shrub undergrowth scattering
	N. 0°1' W. on a random line bet. secs. 1 and 2
40.00	Set temp. 1/4 sec. cor.
88.76	Intersect N. bdy. of Tp. at cor. of secs. 1-2-35 and 36 as heretofore described Thence I run S. 0°1' E. on a true line bet. secs. 1 and 2 Over rough land
16.45	Dry wash drains E.
48.76	Set a limestone 17x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
88.76	The cor. of secs. 1-2-11 and 12 Land rough, hillocks and sand ridges Soil, clay and alkali salts, and loose sand 4th rate No timber Thorny shrub undergrowth thin and scattering June 25: At this cor I set off 23°25' N. on the decl. arc and at 12 h 2 m p.m. l.m.t. observe the sun on the meridian the resulting lat. is 41°16'30" N.
	From the cor. of sec. 2-3-34 and 35 on S. bdy. of Tp. as heretofore described I run. N. 0°2' W. bet. secs. 34 and 35 Over level land
18.05	Dry wash drains E.
40.00	Set a limestone 17x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x7x6 inc. 11 inc. in the ground for cor.

Subdivision of T.6.N.R.16 W.

Chains	
	of secs. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few low shadscale thorn scattering
	N.89°59' E. on a random line bet. secs. 26 and 35
40,00	Set temp. ¼ sec. cor.
80,10	Intersect N. and S. line 3 lks. N. of cor. of secs. 25-26-35 and 36
	Thence S. run
	West on a true line bet. secs. 26 and 35
	Over level land
40,05	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18×18×12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 26 on N. face and 35 on S. face
80,10	The cor. of secs. 26-27-34 and 35
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	N.0°2' W. bet. secs. 26 and 27
	Over level land
9,60	Dry wash drains E.
40,00	Set a limestone 16×8×6 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18×18×12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
79,85	Dry wash drains S.75° E.
80,00	Set a limestone 17×8×6 in. 12 in. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber

Chains	a few shadscale thorn scattering
	East on a random line bet. secs. 23 and 26
40,00	Set temp. 1/4 sec. cor.
80,12	Intersect N. and S. line at cor. of secs. 23-24-25 and 26
	Thence O run
	Western a true line bet. secs. 23 and 26
	Over level land
40,06	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 23 on N. face and 26 on S. face
80,12	The cor. of secs. 22-23-26 and 27
	Land level, with low hillocks scattering
	Soil, clay with alkali salts, 4th rate
	No timber
	Low shadscale thorn scattering
	N. 0°2' W. bet. secs. 22 and 23
	Over nearly level land
40,00	Set a limestone 16x8x6 inc. 11 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
49,50	Dry wash drains E.
80,00	Set a limestone 17x7x6 inc. 12 inc. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	June 25, 1903
	June 26: At 7h 30m a.m., 1.m.t. I set off 41°14'30" N. on the lat. arc 23°24'30" N. on the decl. arc and determined a meridian with the solar at the cor. of secs. 14-15-22

Subdivision of T 6 N R 16 W.

Chains	and 23 thence 9 chains
	East on a random line bet. secs. 14 and 23
4,00	Set temp. 1/4 sec. cor.
8,00	Intersect N. and S. line at cor. of secs. 13-14-23 and 24
	Thence 9 chains
	West on a true line bet. secs. 14 and 23
	Over nearly level land
4,00	Set a limestone 16 x 7 x 6 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 3½ ft. base 1½ ft. high N. of cor.
8,00	The cor. of secs. 14-15-22 and 23
	Land level with scattering low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Shadscale thorns scattering
	N. 0° 2' W. bet. secs. 14 and 15
	Over nearly level land
4,00	Set a limestone 16 x 6 x 6 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 N. of cor
56,60	Dry wash drains E.
8,00	Set a limestone 16 x 7 x 7 ins. 11 ins. in the ground for cor. of secs. 10-11-14 and 15 marked with 4 notches on S. and 2 notches on E. edges; 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 with hillocks 3 to 4 ft. high
	Soil clay and alkali salts 4th rate
	No timber
	Scattering shadscale thorns
	East on a random line bet. secs. 11 and 14
4,00	Set temp. 1/4 sec. cor.
79,86	Intersect N. and S. line 14 chs. N. of cor. of secs. 11-12-13 and 14
	Thence 9 chains
	N. 89° 54' W. on a true line bet. secs. 11 and 14
	Over nearly level land
32,42	Dry wash drains S.E.

Chains	
39,93	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec cor.; dig pits 18×18×12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.—
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 11 on N. face and 14 on S. face
79,86	The cor. of secs. 10-11-14 and 15
	Land level with scattering hillocks 3 to 4 ft. high
	Soil clay and alkali salts 4th rate
	No timber
	Scattering shadscale thorn undergrowth
	N. 0°2' W. bet. secs. 10 and 11
	Over nearly level ground
13,18	Dry wash drains E.
27,00	Dry wash drains E.
40,00	Set a limestone 16×9×6 ins. 11 ins in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18×18×12 ins. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
65,00	Enter thin scattering growth of saltgrass bears E. and W.
80,00	Set a limestone 16×6×6 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. edges; dig pits 18×18×12 ins. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level with scattering hillocks
	Soil clay and alkali salts 4th rate
	No timber.—
	Scattering shadscale thorn, and thin growth of saltgrass
	S. 89°54' E. on a random line bet. secs 2 and 11
40,00	Set temp. 1/4 sec. cor.
79,80	Intersect N. and S. line 5 lks. N. of cor of secs. 1-2-11 and 12
	Thence I run
	N. 89°52' W. on a true line bet. secs. 2 and 11
	Over nearly level land
39,90	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18×18×12 ins. E. and W. of cor 4 ft. dist. and

Subdivision of T. 6 N. R. 16 W.

Chains	raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 in. sq 12 in. in the ground marked
	¼ S. 2 on N. face and 11 on S. face
62.05	Dry wash drains S.E.
79.50	The cor. of secs. 2-3-10 and 11
	Land nearly level, rough, ridges and hillocks
	Soil clay and loose sand, and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering and some salt grass
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40.00	Set temp. ¼ sec. cor.
88.72	Intersect N. bdy. of Tp. 23 lks. E of cor. of secs. 2-3-34 and 35 as heretofore described
	Thence I run
	S. 0° 12' E. on a true line bet. secs. 2 and 3
	Over nearly level land
48.72	Set a limestone 18 x 6 x 5 in. 12 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
85.00	Dry wash drains E.
88.72	The cor. of secs. 2-3-10 and 11
	Land rough hillocks and sand dunes
	Soil clay and loose sand and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth, and scattering salt grass
	June 26: The sun being obscured by clouds during the noon hour I was unable to observe sun on the meridian.
	From the cor of secs. 3-4-33 and 34 on S. bdy. of Tp. as heretofore described I run
	N. 0° 2' W. bet. secs. 33 and 34
	Over level land
40.00	Set a limestone 16 x 7 x 6 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18 x 18 x 12 in. 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 limestone 17 x 7 x 6 in. 12 in. in the ground for cor of secs. 27-28-33 and 34 marked with 1 notch on S. and 3

Subdivision of T. 6 N. R. 16 W.

Chains	
	notches on E. edges; dig pits 18x18x12 in. in each sec 5½ ft dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few shadscale thorn scattering
	I sight the cor. of secs. 26-27-34 and 35 and run
	S. 89° 58' E. on a random line bet. secs. 27 and 34
40.00	Set a temp. ¼ sec. cor.
79.92	Intersect N. and S. line at cor. of secs. 26-27-34 and 35
	Thence I run
	N. 89° 58' W. on a true line bet. secs. 27 and 34
	Over level land
39.96	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 in. sq. 12 in. in the ground marked
	¼ S. 27 on N. face and 34 on S. face
58.10	Dry wash drains S. E.
79.92	The cor. of secs. 27-28-33 and 34
	Land level
	Soil clay and alkali salts 4th rate.
	No timber
	A few low shadscale thorn scattering
	N 0° 2' W. bet. secs. 27 and 28
	Over level land
0.40	Dry wash drains E.
40.00	Set a limestone 16x8x5 in. 11 in. in the ground for ¼ sec cor. marked ¼ on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft base 1½ ft. high W. of cor.
	This cor stands in edge of wash 2 ft. deep 60 ft. wide drains S. 60° E.
80.00	Set a limestone 17x6x6 in. 12 in. in the ground for cor. of secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high

Subdivision of T. 6 N. R. 16 W.

Chains	
	W of cor.
	Land level with low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	Low shadscale thorn scattering
	I right the cor. of secs. 22-23-26 and 27 and run
	S. 89° 57' E. on a random line bet. secs. 22 and 27
40,00	Set temp. 1/4 sec cor.
79,94	Intersect N. and S. line at cor. of secs. 22-23-26 and 27
	Thence I run
	N. 89° 57' W. on a true line bet. secs 22 and 27
	Over nearly level land
2,40	Dry wash drains S. E.
39,97	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor.; dig pits 18x18x12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit. drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 22 on N. face and 27 on S. face
79,94	The cor. of secs. 21-22-27 and 28
	Land level with low hillocks scattering
	Soil clay and alkali salts 4th rate
	No timber
	A few shadscale thorn scattering
	N. 0° 2' W. bet. secs. 21 and 22
	Over nearly level land
10,00	Dry wash drains S. 60° E
40,00	Set a limestone 16x8x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 16x8x8 inc. 11 inc. in the ground for cor. of secs. 15-16-21 and 22 marked
	6 N. on N. E. and
	16 W on S. E. faces with 3 notches on S and E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level with hillocks 3 to 4 ft. high
	Soil clay and alkali salts 4th rate

Subdivision of T6N R16W.

Chains	
	No timber Low shadscale thorn scattering June 26, 1903
	June 27: At 7h 16m a.m., 1m + I set off 41°14'30" N. on the lat. arc 23°22'30" N. on the decl arc and determine a meridian with the solar at the cor of secs. 15-16-21 and 22 thence I run S 89°57' E. on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor
80.06	Intersect N and S. line 5 lks. S. of cor. of secs. 14-15-22 and 23 Thence I run N. 89°59' W on a true line bet. secs. 15 and 22 Over nearly level land
40.03	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E. pit drive a pine stake 2 ft. long 2 ins sq. 12 inc. in the ground marked 1/4 S. 15 on N face and 22 on S. face This cor. stands in edge of a dry wash draining S.E.
80.06	The cor of secs. 15-16-21 and 22 Land level with hillocks 2 to 3 ft. high Soil clay and alkali salts 4th rate No timber Low shadscale thorn scattering
	N. 0°2' W. bet. secs. 15 and 16 Over nearly level land
40.00	Set a limestone 16x8x5 inc. 11 inc. in the ground for 1/4 sec cor. marked 1/4 on W face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
51.82	Dry wash drains S.E.
80.00	Set a limestone 16x8x6 inc. 11 inc. in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rough, hillocks and sand dunes Soil clay and alkali salts, and loose sand 4th rate No timber

Subdivision of T.6 N.R.16 W.

Chains	
	Low thorny shrub undergrowth - scattering
	S 89° 59' E. on a random line bet. secs. 10 and 15
40,00	Set temp. 1/4 sec. cor.
80,10	Intersect N and S line 3 lks. S. of cor. of secs. 10-11-14 and 15
	Thence 0 chs
	West on a true line bet. secs. 10 and 15
	Over rough land
40,05	Deposit a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth - 3½ ft. base 1½ ft. high over deposit. In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 10 on N. face and 15 on S. face
80,10	The cor. of secs. 9-10-15 and 16
	Land rough, hillocks and sand dunes
	Soil clay and alkali salts, and loose sand 4 lks. sale
	No timber. —
	Thorny shrub undergrowth - scattering
	N. 0° 2' W. bet. secs. 9 and 10
	Over rough land
19,03	Dry wash drains E
40,00	Set a limestone 16 x 7 x 6 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 - 3½ ft. base 1½ ft. high N. of cor.
47,25	Dry wash 2 ft. deep 30 ft. wide drains S 65° E.
80,00	Set a limestone 18 x 8 x 7 ins. 12 ins. in the ground for cor. of secs. 3-4-9 and 10 marked with 5 notches on S. and 3 notches on E. edges; 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 rough, hillocks and sand dunes
	Soil clay and alkali salts, and loose sand 4 lks. sale
	No timber
	Thorny shrub undergrowth scattering
	East on a random line bet. secs. 3 and 10
40,00	Set temp. 1/4 sec. cor.
80,10	Intersect N. and S. line 7 lks. S. of cor. of secs. 2-3-10 and 11

Chains	
	Thence I run
	S.89°57' W. on a true line bet. secs. 3 and 10
	Over rough land
34.96	Dry wash drains S10°E.
40.05	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked:
	1/4 S. 3 on N. face and 10 on S. face
80.10	The cor. of secs. 3-4-9 and 10
	Land rough, hillocks and sand ridges
	Soil clay and alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth, and saltgrass, scattering
	N.0°2' W. on a random line bet. secs. 3 and 4
40.00	Set temp. 1/4 sec. cor.
88.74	Intersect N. bdy. of Tp. at cor. of secs. 3-4-33 and 34 as heretofore described
	Thence I run
	S.0°2' E. on a true line bet. secs. 3 and 4
	Over rough land
33.35	Dry wash drains E.
48.74	Set a limestone 16x8x5 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.
75.65	Dry wash drains E.
88.74	The cor. of secs. 3-4-9 and 10
	Land rough, hillocks and low ridges
	Soil, clay and wash gravel 4th rate
	No timber
	Low thorny shrub undergrowth, and scattering saltgrass
	June 27: At this cor. I set off 23°22' N. on the lat. arc and at 12h 3m p.m., t.m.t. observe the sun on the meridian the resulting lat. is 41°16'30"
	From the cor. of secs. 4-5-32 and 33 on S. bdy. of Tp. as heretofore described I run

Subdivision of T. 6 N R. 16 W.

Chorain	N. 0° 3' W. bet. secs. 32 and 33
	Over level land
3,12	Day south from N.W. turns S.W.
40,00	Set a limestone 16 x 8 x 5 inc. 11 inc in the ground for.
	1/4 sec. cor. marked 1/4 on W face; dig pits 18 x 18 x 12 inc. 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 limestone 15 x 8 x 8 inc. 10 inc. 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 inc in each sec.
	5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high
	W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	A few thorny shrub scattering
	Sight the cor. of secs. 27-28-33 and 34 and run
	East on a random line bet. secs 28 and 33
40,00	Set birch. 1/4 sec. cor.
80,00	Intersect N. and S. line at cor. of secs. 27-28-33 and 34
	Thence S. run
	West on a true line bet. secs. 28 and 33
	Over nearly level land
40,00	Deposit a quart of broken glass 12 inc. in the ground for 1/4
	sec. cor. dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and
	raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in
	the ground marked
	1/4 S. 28 on N. face and 33 on S. face
80,00	The cor. of secs. 28-29-32 and 33
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	A few thorny shrub, scattering.
	N. 0° 3' W. bet. secs. 28 and 29
	Over nearly level land
40,00	Set a limestone 18 x 6 x 5 inc. 12 inc in the ground for 1/4 sec
	cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N. and S.
	of stone 3 ft. dist. and raise a mound of earth 3½ ft. base

Chains	
	1½ ft. high W. of cor.
80,00	Set a limestone 16x7x6 in. 11 in. in the ground for cor. of sec. 20-21-28 and 29 marked with 2 notches on S. and 4 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, some hillocks and low ridges;
	Soil clay and alkali salts and some sand, 4th rate
	No timber
	Thorny shrub undergrowth, scattering
	East on a random line bet. sec. 21 and 28
40,00	Set temp. ¼ sec. cor.
80,00	Intersect N. and S. line 5 lks. N. of cor. of sec. 21-22-27 and 28
	Thence I run
	N. 89° 58' W. on a true line bet. sec. 21 and 28
	Over nearly level land
34,85	Dry wash drains S.E.
40,00	Deposit a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 21 on N. face and 28 on S. face
80,00	The cor. of sec. 20-21-28 and 29
	Land nearly level, some hillocks and sand ridges
	Soil clay, alkali salts and sand 4th rate
	No timber
	Scattering shadscale shrub
	N. 0° 3' W. bet. sec. 20 and 21
	Over nearly level land
30,20	Dry wash drains S.E.
40,00	Deposit a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 20 on W. face and 21 on E. face
80,00.	Set a limestone 16x8x6 in. 11 in. in the ground for cor. of

Subdivision of T. 6 N. R. 16 W.

Chains	secs. 16-17-20 and 21; marked with 3 notches on S and 4 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rough; clay ridges and hillocks 3 to 4 ft. high Soil clay, alkali salts and some sand 4th rate No timber Thorny shrub undergrowth - scattering June 27, 1903
	June 28: At 7h 30m a.m., I.m.T. I set off 41°14'30" N. on the lat. arc 23°20'30" N. on the decl. arc and determine a meridian with the solar at the cor of secs. 16-17-20 and 21 Thence I run S.89°58' E. on a random line bet. secs. 16 and 21
40.00	Set temp. ¼ sec. cor.
80.02	Intersect N. and S. line 3 lks. N. of cor. of secs. 15-16-21 and 22 Thence I run.— N.89°57' W. on a true line bet. secs. 16 and 21 Over rough land
40.01	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked ¼ S. 16 on N. face and 21 on S. face
80.02	The cor. of secs. 16-17-20 and 21 Land rough; low ridges and hillocks Soil clay, alkali salts, and sand 4th rate No timber Thorny shrub undergrowth—
	N. 0°3' W. bet. secs. 16 and 17 Over rough land
40.00	Deposite a quart of broken glass 12 in in the ground for ¼ sec. cor; dig pits 18x18x12 in. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked ¼ S. 17 on W. face and 16 on E. face
80.00	Set a limestone 17x7x6 in. 12 in. in the ground for cor. of

Chains	Secs. 8-9-16 and 17; marked with 4 notches on S. and E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land rough; low ridges and hillocks
	Soil clay, alkali salts and sand 4th rate
	No timber
	Thorny shrub undergrowth —
	S. 89° 57' E. on a random line bet. secs. 9 and 16
40.00	Set temp. ¼ sec. cor.
79.92	Intersect N. and S. line 3 lks. S. of cor. of secs. 9-10-15 and 16
	Thence I run
	N. 89° 58' W. on a true line bet. secs. 9 and 16 — Over rough land
39.96	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 9 on N. face and 16 on S. face
79.92	The cor. of secs. 8-9-16 and 17
	Land rough; sand dunes and clay ridges
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth —
	N. 0° 3' W. bet. secs. 8 and 9
	Over nearly level land
40.00	Deposite a quart of broken glass 12 in. in the ground for ¼ sec. cor.; dig pits 18x18x12 in. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	¼ S. 8 on W. face and 9 on E. face
78.36	Dry wash drains S. 65° E.
80.00	Set a quartzite stone 16x7x4 in. 11 in. in the ground for cor. of secs. 4-5-8 and 9 marked with 5 notches on S. and 4 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough; hillocks and low ridges

Subdivision of T. 6 N. R. 16 W.

Chains	
	Soil clay, alkali salts, and sand, 4th rate
	No timber
	Thorny shrub undergrowth
	S. 89° 58' E. on a random line bet. secs. 4 and 9
40.00	Set temp. 1/4 sec. cor.
79.82	Intersect N. and S. line 5' lks. S. of cor. of secs. 3-4-9 and 10
	Thence I run
	West on a true line bet. secs. 4 and 9
	Over nearly level land
39.91	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 4 on N. face and 9 on S. face
79.82	The cor. of secs. 4-5-8 and 9
	Land rough, low hillocks and ridges
	Soil clay, alkali salts and sand 4th rate
	No timber
	Thorny shrub undergrowth and some saltgrass
	N. 0° 3' W. on a random line bet. secs. 4 and 5
40.00	Set temp. 1/4 sec. cor.
89.10	Intersect N. bdy. of Tp. 35 lks. E. of cor. of secs. 4-5-32 and 33 as heretofore described
	Thence I run
	S. 0° 18' E. on a true line bet. secs. 4 and 5
	Over nearly level land
49.10	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. N. and S. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 5 on W. face and 4 on E. face
89.10	The cor. of secs. 4-5-8 and 9
	Land rough; hillocks and low ridges
	Soil clay, alkali salts and some wash gravel, 4th rate
	No timber

Chains	Thorny shrub undergrowth and some saltgrass June 28: The sky being overcast during the noon hour I was unable to observe the sun on the meridian
	From the cor. of secs. 5-6-31 and 32 on S. bdy of Tp. as heretofore described I run N. 0° 4' W. bet. secs 31 and 32 Over nearly level land
40,00	Set a limestone 16 x 6 x 6 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 limestone 16 x 8 x 5 ins. 11 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 rough, hillocks and low ridges. - Soil clay, alkali salts and sand, 4th rate No timber Scattering thorny shrub in N. ½ mile
	N. 89° 59' E. on a random line bet. secs. 29 and 32
40,00	Set temp. 1/4 sec. cor.
80,08	Intersect N. and S. line 8 lks. S. of cor. of secs. 28-29-32 and 33 Thence I run S 89° 56' W. on a true line bet. secs. 29 and 32 Over nearly level land
40,04	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked 1/4 S. 29 on N face and 32 on S. face
47,35	Rainy wash drains S.E.
80,08	The cor. of secs. 29-30-31 and 32 Land rough, hillocks and low ridges Soil clay, alkali salts and sand dunes 4th rate No timber Thorny shrub undergrowth scattering

Subdivision of T. 6 N. R. 16 W.

Chains	I right the cor. of secs. 25-30-31 and 36 on W. bdy of Tp. and run
	N. 89° 57' W. bet. secs. 30 and 31
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S. 30 on N. face and 31 on S. face
79.20	Intersect W. bdy. of Tp. at cor. of secs. 25-30-31 and 36 as heretofore described
	Land nearly level; low hillocks scattering
	Soil clay, alkali salts, and some loose sand 4th rate
	No timber
	Thorny shrub undergrowth scattering. –
	N 0° 4' W. bet. secs. 29 and 30
	Over nearly level land
16.95	Miry wash drains S 70° E
40.00	Set a limestone 16 x 7 x 6 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 limestone 16 x 7 x 6 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; 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 rough, sand dunes and hillocks
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth scattering and some salt grass
	N. 89° 56' E. on a random line bet. secs. 20 and 29
40.00	Set temp. 1/4 sec cor
80.04	Intersect N. and S. line 5 lks. N. of cor. of secs. 20-21-28 and 29
	Thence I run
	S. 89° 58' W. on a true line bet. secs. 20 and 29
	Over nearly level land
40.02	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor. dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite

Chain

In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
1/4 S. 20 on N. face and 29 on S. face

80.04 The cor. of secs. 19-20-29 and 30
Land rough, hillocks and low ridges
Soil clay alkali salts and sand, 4th rate
No timber
Low thorny shrub undergrowth and some saltgrass

June 28, 1903

June 29: at 7h 28m a.m. l.m.t. Set off 41°14' N. on the lat. arc 23°18' N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 19-20-29 and 30 thence;
Right the cor. of secs. 19-24-25 and 30 on W. bdy. of Tp. and run
N. 89°57' W. bet. secs. 19 and 30
Over nearly level land

40.00 Deposit a gunny of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits
In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
1/4 S. 19 on N. face and 30 on S. face

79.17 Intersect W. bdy. of Tp. at cor. of secs. 19-24-25 and 30 as heretofore described
Land nearly level, low hillocks and ridges scattering
Soil clay, alkali salts and some sand 4th rate
No timber
Low thorny shrub scattering

N. 0°4' W. bet. secs. 19 and 20
Over rough land

40.00 Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.

68.00 Dry wash drains S.E.

80.00 Set a limestone 16x8x7 in. 11 in. 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 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high

Subdivision of T. 6 N. R. 16 W.

Chains	
	W. of cor.
	Land rough, hillocks and low ridges
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth and saltgrass scattering
	N. 89° 58' E on a random line bet. secs. 17 and 20
40.00	Set temp. 1/4 sec. cor.
80.10	Intersect N. and S. line 17-18 at N. of cor. of secs. 16-17-20 and 21
	Thence S. run
	N. 89° 55' W. on a true line bet. secs. 17 and 20
	Over nearly level land
40.05	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drove a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 20 on N. face and 20 on S. face
59.90	Dry wash draines S. 15° E.
67.45	Dry wash drains S 15° E
80.10	The cor. of secs. 17-18-19 and 20
	Land rough, low hillocks and ridges
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Low thorny shrub and saltgrass scattering
	Sighted the cor. of secs. 13-18-19 and 24 on W. bdy. of Tp. and run
	N. 89° 55' W. bet. secs. 18 and 19
5.60	Dry wash drains S. 20° E.
18.50	Dry wash drains S. 20° E.
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. —
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 18 on N. face and 19 on S. face
79.14	Intersect W. bdy. of Tp. at cor. of secs. 13-18-19 and 24 as heretofore described
	Land rough, low hillocks, ridges and sand dunes
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth and saltgrass scattering

Chains	
	N. 0° 4' W. bet. secs. 17 and 18
	Over rough land
40.00	Set a limestone 17 x 7 x 6 inc. 12 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 16 x 7 x 6 inc. 11 inc in the ground for cor of secs. 7-8-17 and 18 marked with 4 notches on S. and and 5 notches on E. edges: dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. -
	Land rough, low ridges and hillocks
	Soil clay, alkali salts and sand, 4th rate -
	No timber
	Thorny shrub and saltgrass scattering. -
	S. 89° 55' E. on a random line bet. secs. 8 and 17
40.00	Set temp. 1/4 sec. cor.
80.22	Intersect N. and S. line 12 lks. N. of cor. of secs 8-9-16 and 17
	Thence I run
	N. 89° 50' W on a true line bet. secs. 8 and 17
	Over rough land
40.11	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E pit drive a pine stake 2 ft. long 2 inc sq 12 inc in the ground marked
	1/4 S. 8 on N. face and 17 on S. face
65.00	Dry wash drains S 25° E
80.22	The cor. of secs. 7-8-17 and 18
	Land rough; low ridges and hillocks
	Soil clay, alkali salts, and loose sand 4th rate
	No timber
	Thorny shrub undergrowth scattering
	June 29: At this cor. I set off 23° 16' 30" N. on the declinr and at 12h 3m p.m. 1m.t. observe the sun on the meridian; the resulting lat. is 41° 15' 30" N. -
	I right a flag at the cor. of secs. 7-12-13 and 18 on W. bdy. of Tp. and run
	N. 89° 50' W. bet. secs. 7 and 18
	Over rough land

Subdivision of T. 6 N. R. 16 W.

Chains	
19,50	Dry wash drains S.
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor; dig pits 18x18x12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc in the ground marked. 1/4 S. 7 on N. face and 15 on S. face
79,38	Intersect N. bdy. of Tp. at cor of secs. 7-12-13 and 18 as heretofore described.
	Land rough; low ridges and hillocks
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub and saltgrass scattering
	N. 0° 4' W. bet. secs. 7 and 8.
40,00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 16x7x6 inc. 11 inc. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, low ridges and hillocks
	Soil clay, alkali salts and wash gravel and sand 4th rate
	No timber
	Thorny shrub and saltgrass scattering
	S. 89° 50' E. on a random line bet. secs. 5 and 8
40,00	Set temp. 1/4 sec. cor.
80,30	Intersect N. and S. line at cor of secs. 4-5-8 and 9
	Thence I run
	N 89° 50' W. on a true line bet. secs. 5 and 8
	Over rough land
40,15	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 5 on N. face and 8 on S. face.

Chains	
80.30	The cor. of secs. 5-6-7 and 8
	Land rough, low ridges and hillocks:
	Soil clay, alkali salts and sand, 4th rate
	No timber
	Thorny shrub undergrowth; and saltgrass scattering
	I right a flag at the cor. of secs. 1-6-7 and 12 on W. bdy of Tp. and run
	N. 89° 50' W. bet. secs 6 and 7
	Over rough land
40.00	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec cor.; dig pits 18 x 18 x 12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite — Set E. pit.
	drive a pine stake 2 ft. long 2 ins. sq. 12 ins in the ground marked: 1/4 S. 6 on N. face and 7 on S. face
79.32	Intersect W. bdy. of Tp. at cor of secs. 1-6-7 and 12 as heretofore described
	Land rough, low ridges and hillocks
	Soil clay, alkali salts, gravel and sand, 4th rate
	No timber
	Thorny shrub and saltgrass scattering
	N. 0° 4' W. on a random line bet. secs. 5 and 6
40.00	Set a temp. 1/4 sec. cor.
88.90	Intersect N. bdy. of Tp. 3 lks. E. of cor. of secs. 5-6-31 and 32 as heretofore described
	Thence I run
	S. 0° 5' E. on a true line bet. secs. 5 and 6
	Over rough land
48.90	Set a limestone 16 x 8 x 5 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.
88.90	The cor. of secs. 5-6-7 and 8
	Land rough, low hillocks and ridges
	Soil clay, alkali salts, wash gravel and loose sand, 4th rate
	No timber
	Thorny shrub undergrowth scattering
	For test of adjustments of the solar, made at the close of this survey, see beginning of field notes of subdivision of T. 7 N. R. 21 6 W. in the following book i.e. "Book Z³."
	June 29, 1903

Subdivision of T. 6 N. R. 16 W.

General Description

This township contains nothing except desert land, most of which has a rough surface composed of ridges and hillocks from 2 to 6 ft. high; the south eastern portion is nearly flat. The soil is unproductive being highly alkaline and the vegetation is scant being confined to several varieties of thorny shrub and scattering patches of salt grass.— There is no water within the township standing nor running.—

There are no settlers nor improvements.—

Andrew P Hamm
U.S. Dep. Surveyor.

BLANK

PAGE

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 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.*

For final affidavits see book Z³ F. 7 M. 16 W., *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 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 .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

For final affidavit see book Z³ F. 7 M. 16 W., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

6—161

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, d solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of th ..... day of ....., 189 , I have well, faithfully, and truly, in my ow proper person, and in strict conformity with the instructions furnished by the United States Su General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of .....

For final affidavit see book 2 Tp 7 N. R. 16 W. ..... of the ..... meridian, in the ..... of ....., which are represented in t 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 wit the Manual of Surveying Instructions, and the special written instructions of the United States Surveyo General for ..... 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 suffe the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Surveyo

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

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL.

Salt Lake City Utah, March 31, 19

The foregoing field notes of the survey of the subdivision of lines of Township 6 North Range 16 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P. Hansen under his contract No. 261, dated March 18 1903 189 , having b critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys 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

6—151

BLANK

PAGE

BLANK

PAGE

a.6.

4—679.

Z3.

BOOK A-302

FILED

FEB 18 1904

FIELD NOTES

OF THE SURVEY OF THE

Subdivision Lines

of

Township No. 7 North Range No. 16 West

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Andrew P. Hanson, United States Deputy Surveyor,

Under his Contract No. 261, dated March 18 1903, ~~1903~~

Survey commenced June 30 1903, ~~189~~

Survey completed July 5 1903, ~~189~~

6—151

Lin 60.32.50 ✓

Clos 2.31 ✓

NAMES AND DUTIES OF ASSISTANTS.

J F Hoffman - - - - - Chainsman

R J Froiseth - - - - "

J F Hoffman - - - Moundman

Frank Hoffman Jr. - - - "

R J Froiseth - - - - - Axman

Frank Hoffman Jr. - - - "

B R Lawrence - - - - Flagman

For preliminary affidavits see book L. Tp. 4 N R 18 W

6—151

BOOK A-302

INDEX DIAGRAM.

Township.....*, Range*.....

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

Meanders Page.....

6—151

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; 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 survey

.....

....., *Chain..*

....., *Chainmu*

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 establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey

.....

....., *Moundmu*

....., *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 ... and other duties, according to instructions given us, to the best of our skill and ability, in the survey

.....

....., *Ax..*

....., *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 the survey of .....

....., *Flag..*

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

.....

SEAL

.....

6—151

Subdivision of T.7N.R.16W.

Chains	Survey commenced June 30.1903 and executed with a W. & L.E. Gurley light mountain transit with solar attachment.—The horizontal limb is provided with two double verniers placed opposite to each other reading to single minutes of arc which is also the least count of the verniers of the latitude and declination arcs.— The instrument was examined, tested on the true meridian at Salt Lake, found correct and was approved by the surveyor general for Utah April 6, 1903.— At 7h 32m a.m., l.m.t.— I set off 41°17'30" N. on the lat. arc 23°14'30" N. on the decl. arc and test the adjustments of the instrument on the meridian established from Polaris at the cor. of Tps. 6 and 7 N. Rs. 15 and 16 W. as fully described at beginning of field notes of N. Bdy. T. 6 N. R. 16 W. & Book Z. under date of June 23-24, 1903 reference to which is hereby made.— The solar indicates the same meridian as at that time by a.m. observation and I therefor conclude the adjustments remain as then and that further test at this time is unnecessary—
	I begin at the cor. of secs 1-2-35 and 36 on S. bdy. of T.7N. R16W. as heretofore described Thence I run N.0°1'W. bet. secs. 35 and 36 Over nearly level land
40.00	Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a limestone 16x7x6 in. 11 ins in the ground for cor. of secs. 25-26-35 and 36 marked with 1 notch on S. and E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land nearly level, low hillocks scattering Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth scattering
	S 89°54' E on a random line bet. secs. 25 and 36
40.00	Set temp. 1/4 sec. cor.

Chains	
79.88	Intersect E. bdy. of Tp. 19 lks. N. of cor. of sec. 25-30-31 and 36 as heretofore described
	Thence Run
	N. 89°46' W. on a true line bet. secs. 25 and 36
	Over nearly level land
39.94	Set a limestone 15×6×6 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 inc. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
48.96	Dry wash draining S.E.
79.88	The cor. of secs. 25-26-35 and 36
	Land nearly level, low hillocks and ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth - scattering
	N. 0°1' W. bet. secs. 25 and 26
	Over nearly level land
8.35	Dry wash drains E.
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18×18×12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. -
	On S. pit drive a fine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 26 on W. face and 25 on E. face
80.00	Set a tufa stone 17×6×6 inc. 12 inc. 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 18×18×12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub scattering
	S. 89°46' E. on a parallel line bet. secs. 24 and 25
40.00	Set temp. 1/4 sec cor.
79.94	Intersect E. bdy. of Tp. 10 lks. S. of cor of secs. 19-24-25 and 30 as heretofore described.

Claim	Thence S. run
	N. 89° 50' W. on a true line bet. secs. 24 and 25
	Over nearly level land
39.97	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 24 on N. face and 25 on S. face
79.94	The cor. of secs. 23-24-25 and 26
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 0° 1' W. bet. secs. 23 and 24
	Over nearly level land
34.80	Dry wash drains E.
40.00	Set a lime stone 17x7x6 inc. 12 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
56.09	Center of track of Lucin Cut-Off C.P.R.R. bears south-easterly and north-westerly
57.00	Telegraph line runs parallel with track
80.00	Set a lime stone 17x7x6 inc. 12 inc. 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 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	S. 89° 50' E. on a random line bet. secs. 13 and 24
40.00	Set lime 1/4 sec. cor.
79.96	Intersect E. bdy. of Tp. 7 like N. of cor. of secs. 13-18-19 and 24 as heretofore described
	Thence S. run
	N. 89° 47' W. on a true line bet. secs. 13 and 24

Subdivision of T. 7 N. R. 16 W.

Chains	
	Over nearly level land; over alkali flat
39.98	Deposit a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits. In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked 1/4 S. 13 on N. face and 24 on S. face
79.96	The cor. of secs. 13-14-23 and 24
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering, on last 20.00 chs.
	June 30: At this cor. I set off 23°13'30" N. on the decl. arc and at 12h 3m p.m. 2nd t. observe the sun on the meridian. The resulting lat. is 41°18' N.
	N. 0°1' W. bet. secs. 13 and 14
	Over nearly level land
40.00	Set a tufa stone 17 x 7 x 6 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. 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 tufa stone 17 x 8 x 6 in. 12 in. 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 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Low thorny shrub undergrowth scattering
	I sight the cor. of secs. 7-12-13 and 18 on E. bdy. of Tp. and run S. 89°44' 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 as heretofore described
	Thence I run
	N. 89°44' W. on a true line bet. secs. 12 and 13
	Over flat white desert
40.00	Deposit a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high

Chains	
	over deposits
	In E. pit drive a pine stake 2 ft long 2 in. sq. 12 in. in the ground marked
	1/4 S. 12 on N. face and 13 on S. face.
80.00	The cor. of secs. 11-12-13 and 14
	Land level
	Soil clay and white alkali crust 4 lbs rate
	No timber
	A few throwy shrub scattering
	N. 0° 1' W. bet. secs. 11 and 12
	Over flat desert land
40.00	Set a limestone 14 x 18 x 6 in. 9 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 8½ ft. base 1½ ft. high W. of cor.
55.00	Low scattering undergrowth - bears N.W. and S.E.
80.00	Set a limestone 16 x 7 x 6 in. 11 in. in the ground for cor. of secs 1-2-11 and 12 marked with 5 notches on S. and 1 notch on E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land flat, desert
	Soil clay, and white, alkali crust 4 lbs rate
	No Timber
	Low throwy shrub scattering on first 56 ch.
	S. 89° 44' E. on a random line bet. secs. 1 and 12
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. bdy. of Tp. at cor. of secs. 1-6-7 and 12 as heretofore described
	Thence I run
	N. 89° 44' W. on a true line bet. secs. 1 and 12
	Over level land
40.00	Deposit a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits. -
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 1 on N. face and 12 on S. face
80.00	The cor. of secs. 1-2-11 and 12
	Land flat white desert

Chains	
	Soil clay and alkali salts 4th rate
	No timber
	A few sprigs of shadscale thorn scattering
	N. 0° 1' W. on a random line bet. secs. 1 and 2.
40.00	Set limp. 1/4 sec. cor.
87.80	Intersect N. bdy. of Tp. 23 lks. E. of cor. of secs. 1-2-35 and 36 as heretofore described
	Thence I run
	S. 0° 11' E. on a true line bet. secs. 1 and 2
	Over level land, white desert
47.80	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits. –
	On S. pit drive a pine stake 2 ft. long 2 inc. sq 12 inc. in the ground marked
	1/4 S 2 on W. face and 1 on E. face
87.80	The cor. of secs. 1-2-11 and 12
	Land flat white desert
	Soil clay and alkali salts 4th rate
	No vegetation
	June 30, 1903
	July 1: At 7 h 15 m a.m. I set off 41° 17' 30" N. on the lat arc. 23° 11' 30" N. on the decl. arc and determine a meridian with the solar at the cor of secs. 2-3-34 and 35 on S. bdy. of Tp. as heretofore described; thence I run
	N. 0° 2' W. bet. secs. 34 and 35
	Over nearly level land
40.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
48.30	Dry wash drains S.E.
80.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for cor. of secs. 26-27-34 and 35 marked with 1 notch on S. and 2 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, nearly level, low hillocks
	Soil clay and alkali salts 4th rate

Subdivision of T. 7 N. R. 16 W.

Chains	
	No timber
	Thorny shrub undergrowth scattering
	S. 89° 54' E. on a random line bet. secs. 26 and 35
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 14 lks. S. of cor. of secs. 25-26-35 and 36
	Thence S. on
	West on a true line bet. secs 26 and 35
	Over rough nearly level land
40.00	Set a limestone 16 x 7 x 6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. 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 rough, low hillocks
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 0° 2' W. bet. secs. 26 and 27
	Over nearly level land
22.85	Dry wash drains E.
40.00	Set a limestone 16 x 8 x 5 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 in. 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 limestone 15 x 8 x 6 in. 10 in. in the ground for cor. of secs. 22-23-26 and 27 marked with 2 notches on S. and E. edges; dig pits 18 x 18 x 12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level
	Soil clay and alkali salts – white sticky, 4th rate
	No timber
	Thorny shrub undergrowth – scattering
	East on a random line bet. secs. 23 and 26
40.00	Set temp. 1/4 sec. cor
80.00	Intersect N. and S. line at cor of secs. 23-24-25 and 26
	Thence S. on
	West on a true line bet. secs. 23 and 26
	Over nearly level land

Chains	
40.00	Set a limestone 16x8x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18x18x12 in. 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. 22-23-26 and 27 Land rough nearly level Soil clay and alkali salts 4th rate No timber. – Thorny shrub undergrowth and saltgrass scattering
	N. 0° 2' W. bet. secs. 22 and 23 Over nearly level land
40.00	Set a limestone 17x6x5 in. 12 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
64.80	Centre of track of Lucin Cut-Off C.P.R.R., bears North-Westerly and south-easterly
68.73	Telegraph line runs parallel with track
80.00	Set a limestone 18x6x6 in. 12 in. in the ground for cor. of secs. 14-15-22 and 23 marked with 3 notches on S. and 2 notches on E. edges; dig pits 18x18x12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W of cor. Land nearly level Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth scattering
	East on a random line bet. secs. 14 and 23
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 7 lks. S of cor of secs. 13-14-23 and 24 Thence Drain S. 89° 57' W. on a true line bet. secs. 14 and 23 Over nearly level land
40.03	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18x18x12 in. E. and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite On E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked 1/4 S. 14 on N. face and 23 on S. face

Subdivision of T. 7 N. R. 16 W.

Chains	
80,00	The cor. of secs. 14-15-22 and 23
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	July 1: At this cor. I set off 23°10' N. on the decl arc and at 12h 3m p.m., ?m.t. observe the sun on the meridian; the resulting lat. is 41°20' N. —
	N 0°2' W. bet. secs. 14 and 15
	Over nearly level land
40,00	Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18x18x12 in. 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 16x8x5 in. 11 in. 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 18x18x12 in. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts, soft. sticky, 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 89°57' E. on a random line bet. secs. 11 and 14
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line at cor. of secs. 11-12-13 and 14
	Thence I run
	S 89°57' W on a true line bet. secs. 11 and 14
	Over level land
40,00	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18x18x12 in. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 11 on N. face and 14 on S. face
80,00	The cor. of secs. 10-11-14 and 15
	Land level
	Soil clay and alkali salts 4th rate

Subdivision of T. 7 N. R. 16 W.

Chains	
	No timber
	Thorny shrub undergrowth scattering
	N. 0° 2' W. bet. secs. 10 and 11
	Over level land
40,00	Set a limestone 15 x 8 x 5 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. distant and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
62,10	Dry wash drains N. E.
80,00	Set a tufa stone 16 x 6 x 6 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. edges: dig pits 18 x 18 x 12 ins. in each sec. 5½ ft. distant and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts, soft, miry, 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 89° 57' E. on a random line bet. secs. 2 and 11
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line 8 lks. N. of cor of secs. 1-2-11 and 12
	Thence S. 2 rods
	West on a true line bet. secs. 2 and 11
	Over level land
40,00	Set a limestone 16 x 8 x 6 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 3½ ft. base 1½ ft. high N. of cor
59,92	Miry wash drains N. E.
71,73	Miry wash drains S. E.
80,00	The cor. of secs. 2-3-10 and 11
	Land level
	Soil clay and alkali salts, soft, sticky 4th rate
	No timber
	Thorny shrub undergrowth scattering
	N. 0° 2' W. on a random line bet. secs. 2 and 3
40,00	Set a temp. 1/4 sec. cor
86,84	Intersect N. bdy. of Tp. 42 lks. N. 89° 10' E. of cor. of secs 2-3-34 and 35 as heretofore described

Subdivision of T.7 N.R.16 W.

Chains	
	Thence I run
	S 0°20' E. on a true line bet. secs. 2 and 3
	Over level land
46,84	Set a limestone 16x6x6 in. 11 in. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 in. N. and S. of stone 3 ft. dist and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
83,24	Miry wash drains E.
86,84	The cor. of secs. 2-3-10 and 11
	Land level
	Soil clay and alkali salts, soft, sticky, 4th rate
	No timber.
	Thorny undergrowth scattering
	July 1, 1903
	July 2: at 7h30m a.m., t.m.t. I set off 41°17'30" N. on the lat. arc 23°7'30" N on the decl. arc and determine a meridian with the solar at the cor of secs 3-4-33 and 34 on S. bdy. of Tp. as heretofore described; thence I run N. 0°2' W. bet. secs. 33 and 34
	Over nearly level land
40,00	Deposite a quart of broken glass 12 in in the ground for 1/4 sec. cor.; dig pits 18x18x12 in. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 in. sq 12 in. in the ground marked
	1/4 S. 33 on W. face and 34 on E. face
56,10	Dry wash drains S. 65° E
80,00	Set a limestone 16x6x6 in. 11 in. in the ground for cor. of secs. 27-28-33 and 34 marked with 1 notch on S and 3 notches on E. edges; dig pits 18x18x12 in. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, low hillocks and ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	I sight a flag at cor. of secs. 26-27-34 and 35 and run N. 89°59' E. on a random line bet. secs. 27 and 34

Subdivision of T. 7 N. R. 16 W.

Chains	
4,00	Set a limestone 1/4 sec. cor.
8,10	Intersect N. and S. line at cor of secs. 26-27-34 and 35
	Thence I run
	S 89° 59' W. on a true line bet. secs. 27 and 34
	Over nearly level land
4,05	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 27 on N face and 34 on S. face
8,10	The cor. of secs. 27-28-33 and 34
	Land rough, hillocks and low ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —
	N. 0° 2' W. bet. secs. 27 and 28
	Over nearly level land
4,00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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.
4,08	Dry wash drains S. 80° E
8,00	Set a hard stone 16x6x6 inc. 11 inc. in the ground for cor. of secs. 21-22-27 and 28 marked with 2 notches on S. and 3 notches on E. edges; dig pits 18x18x12 inc. in each sec. 5 1/2 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Lands nearly level, rough
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —
	N. 89° 59' E. on a random line bet. secs. 22 and 27
4,00	Set limes. 1/4 sec. cor.
8,00	Intersect N. and S. line 10 lks. N. of cor of secs. 22-23-26 and 27
	Thence I run
	N. 89° 59' W. on a true line bet. secs. 22 and 27

Subdivision of T. 7 N R. 16 W.

Chains	
	Over nearly level land
40.00	Deposit in quart of broken glass 12 inc in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	On E pit drive a pine stake 2 ft. long 2 inc sq. 12 inc. in the ground marked
	1/4 S. 22 on N. face and 27 on S. face
80.00	The cor. of secs. 21-22-27 and 28
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thinly stocked undergrowth
	N. 0° 21' W. bet. secs. 21 and 22
	Over level land
35.00	Dry wash course E.
40.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
78.34	Centre of track of Lucin Cut-Off C. P. R. R. course north-westerly and south-easterly
79.27	Telegraph line course parallel with track
80.00	Set a limestone 16 x 7 x 6 inc. 11 inc. in the ground for cor. of secs. 15-16-21 and 22 marked
	1/4 on N. E. and
	16 W. on S. E. faces with 3 notches on S. and E. edges; dig pits 18 x 18 x 12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thinly stocked undergrowth
	S. 89° 57' E. on a random line bet. secs. 15 and 22
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 7 lks S. of cor. of secs. 14-15-22 and 23
	Thence 0 mm
	West on a true line bet. secs. 15 and 22
	Over level land

Chains	
40.00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec cor; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. On E. pit drive a pine stake 2 ft long 2 inc. sq 12 inc in the ground marked 1/4 S. 15 on N. face and 22 on S. face
80.00	The cor of secs. 15-16-21 and 22
	Land level so
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	July 2: At this cor I set off 23°6' N. on the declinator and at 12h. 4m p.m. I m.t. observed the sun on the meridian; the resulting lat. is 41°20' N.
	N. 0°2' W. bet. secs. 15 and 16
	Over level land
40.00	Set a limestone 15x6x6 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 16x6x6 inc. 11 inc. in the ground for cor. of secs. 9-10-15 and 16 marked with 4 notches on S. and 3 notches on E. edges; dig pits 18x18x12 inc in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	East on a random line bet. secs. 10 and 15
40.00	Set birch 1/4 sec. cor.
80.04	Intersect N. and S. line at cor. of secs. 10-11-14 and 15.
	Thence O. run
	West on a true line bet. secs. 10 and 15
	Over level land
40.02	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft

Subdivision of T. 7 N R 16 W.

Chains	
	high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc sq. 12 inc. in the ground marked
	1/4 S. 10 on N. face and 15 on S. face
80.04	The cor. of sec. 9-10-15 and 16
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0° 2' W bet. secs. 9 and 10
	Over level land
31.06	Dry wash drains E.
40.00	Set a limestone 15 x 8 x 6 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. N and S. of above 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W of cor. —
41.44	Dry wash drains E.
80.00	Set a limestone 16 x 6 x 6 inc. 11 inc. 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 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	East on a random line bet. secs. 3 and 10
40.00	Set temp. 1/4 sec. cor
80.12	Intersect N. and S. line 5 lks N. of cor of secs. 2-3-10 and 11
	Thence I run
	N. 89° 58' W. on a true line bet. secs. 3 and 10
	Over level land
40.06	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pit 15 x 15 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite. —
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 3 on N. face and 10 on S. face

Chains	
80,12	The cor. of sec. 3-4-9 and 10 Land level Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth-
	N. 0° 2' W. on a random line bet. secs. 3-4
40,00	Set a temp. 1/4 sec cor.
85,76	Intersect N. bdy. of Tp. 44 bkn. N. 89° 13' E. of cor. of secs. 3-4-33 and 34 as heretofore described Thence I run S. 0° 21' E. on a true line bet. secs. 3 and 4 Over level land
45,76	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In S. pit drive a pine stake 2 ft. long 2 inc sq. 12 inc. in the ground marked 1/4 S. 4 on W. face and 3 on E. face
52,61	Dry wash drains E.
85,76	The cor. of secs. 3-4-9 and 10 Land level Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth-
	July 2, 1903
	July 3: At 7h 30m a. m., l. m. t.- I set off 41° 17' 30" N. on the lat. arc 23° 3' N. on the decl. arc and determine a meridian with the solar at the cor. of secs. 4-3-32 and 33 on S. bdy. of Tp as heretofore described; thence I run N. 0° 3' W. bet. secs. 32 and 33 over nearly level land
37,03	Dry wash drains E.
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. N. and S. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite In S. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 32 on W. face and 33 on E. face

Subdivision of T. 7 N. R. 16 W.

Chains	
80,00	Set a limestone 15×8×6 in. 10 in. in the ground for cor. of secs. 28-29-32 and 33 marked with 1 notch on S. and 4 notches on E. edges; dig pits 18×18×12 in. in each sec 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land rough, hillocks and low ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth scattering
	S. 89° 54' E. on a random line bet. secs 28 and 33
40,00	Set a temp. ¼ sec. cor.
80,00	Intersect N. and S. line 14 lks. S. of cor of secs. 27-28-33 and 34
	Thence Due
	West on a true line bet. secs. 28 and 33
	Over nearly level land
40,00	Set a limestone 16×8×5 in. 11 in. in the ground for ¼ sec. cor. marked ¼ on N. face; dig pits 18×18×12 in. 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. 28-29-32 and 33
	Land rough, low hillocks and ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0° 3' W. bet. secs. 28 and 29
	Over nearly level land
40,00	Set a limestone 15×8×6 in. 10 in. in the ground for ¼ sec. cor. marked ¼ on W. face; dig pits 18×18×12 in. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
53,50	Dry wash drains E.
80,00	Set a limestone 15×7×6 in. 10 in. in the ground for cor. of secs. 20-21-28 and 29 marked with 2 notches on S. and 4 notches on E. edges; dig pits 18×18×12 in. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level, rough
	Soil clay and alkali salts 4th rate

Subdivision of T. 7 N. R. 16 W.

Chains	
	no timber Thorny shrub undergrowth—
	East on a random line bet. secs. 21 and 28
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line at cor. of secs. 21-22-27 and 28
	Thence S. run
	West on a true line bet. secs. 21 and 28
	Over level land
39.98	Deposite a quart of broken glass 12 ins. in the ground for 1/4 sec. cor.; dig pits 18x18x12 ins. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	On E. pit drive a pine stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked
	1/4 S 21 on N. face and 28 on S. face
79.96	The cor. of secs. 20-21-28 and 29
	Land level
	Soil clay, and alkali salts 4th rate
	No timber.
	Thorny shrub undergrowth—
	N. 0° 3' W bet. secs. 20 and 21
	Over level land
40.00	Set a slate stone 15x9x6 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 quartzite stone 18x6x6 ins. 12 ins. in the ground for cor. of secs. 16-17-20 and 21 marked with 3 notches on S. and 4 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 clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth—
	East on a random line bet. secs. 16 and 21.
40.00	Set temp. 1/4 sec. cor.
79.92	Intersect N. and S. line 5 lks. N. of cor. of secs. 15-16-21

Chains	
	and 22
	Thence I run
	N 89° 58' W. on a true line bet. secs 16 and 21 – Over level land
6.34	Telegraph line runs north-westerly and south-easterly
12.58	Centre of track of Lucin-Cut-Off C.P.R.R. course north-westerly and south-easterly.
39.96	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite.
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc in the ground marked
	1/4 S. 16 on N. face and 21 on S. face
79.92	The cor. of secs. 16-17-20 and 21
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	July 3: at this cor I set off 23°1'30" N. on the decl. arc and at 12h 4m p.m. l.m.t. observe the sun on the meridian the resulting lat. is 41°20' N.
	N. 0° 3' W. bet. secs. 16 and 17
	Over level land
9.16	Centre of track of Lucin-Cut-Off C.P.R.R. course north-westerly and south-easterly
10.08	Telegraph line runs parallel with track
40.00	Set a limestone 15x7x6 inc. 10 inc. in the ground for 1/4 sec. cor.; marked 1/4 on W. face; dig pits 18x18x12 inc 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 limestone 15x7x6 inc. 10 inc. in the ground for cor. of secs. 8-9-16 and 17 marked with 4 notches on S. and E. edges; dig pits 18x18x12 inc. in each sec 6½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	S. 89° 58' E. on a random line bet. secs. 9 and 16.
40.00	Set temp. 1/4 sec. cor.

Subdivision of T. 7 N. R. 16 W.

Chains	
80.04	Intersect N. and S. line 12 lks. S. of cor. of secs. 9-10-15 and 16
	Thence I run
	S. 89° 57' W. on a base line bet. secs. 9 and 16
	Over level land
40.02	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor 4 ft. dist. and raise a mound of earth 3 1/2 ft. base 1 1/2 ft. high over deposite
	On E. pit drive a fence stake 2 ft long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 9 on N. face and 16 on S. face
80.04	The cor of secs. 8-9-16 and 17
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0° 3' W. bet. secs. 8 and 9
	Over level land
34.84	Dry wash drains E
40.00	Set a limestone 15 x 6 x 6 inc. 10 inc. in the ground for 1/4 sec cor. marked 1/4 on W. face; dig pits 18 x 18 x 12 inc. 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 limestone 15 x 7 x 5 inc. 10 inc. 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 inc. 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 clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	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 12 lks. S. of cor. of secs. 3-4-9 and 10
	Thence I run
	S. 89° 52' W. on a true line bet. secs. 4 and 9
	Over level land

Subdivision of T. 7 N. R. 16 W.

Chains	
40,00	Set a limestone 15 x 6 x 6 in. 15 in. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18 x 18 x 12 in. E and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
8,00	The cor. of secs. 4-5-8 and 9
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth –
	N. 0° 3' W. on a random line bet. secs. 4 and 5
40,00	Set temp. 1/4 sec. cor.
85,30	Intersect N. bdy. of Tp. 94 lks. E. of cor. of secs. 4-5-32 and 33 as heretofore described.-
	Deposite a quart of broken glass 12 in. in the ground for closing cor. of secs. 4 and 5; dig pits 24 x 18 x 12 in. crosswise on each line S. E. and W. 4 ft. dist. and raise a mound of earth 4 ft. base 2 ft. high over deposite
	In E. pit drive a pine stake 2 ft long 2 in. sq. 12 in. in the ground marked
	C.C. T 7 R 16 W. on S
	S. 4 on E. and
	S 5 on W. faces; with 4 grooves on E. and 2 grooves on W. faces.-
	And remove all markings from old cor. of secs. 4-5-32 and 33 refering to secs. 4 and 5
	Thence I run
	S 0° 3' E on a true line bet. secs. 4 and 5
	Over level land
45,30	Deposite a quart of broken glass 12 in. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 in. N. and S. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In S. pit drive a pine stake 2 ft. long 2 in. sq. 12 in. in the ground marked
	1/4 S. 5 on W. face and 4 on E. face
55,66	Dry wash drains E.
70,05	Dry wash drains E.
85,30	The cor. of secs. 4-5-8 and 9
	Land level

Chains	Soil clay, and alkali salts – 20 ft. sticky – 4th rate No timber Thorny shrub undergrowth – July 3, 1903
	July 4: At 7h 30m a.m. I set off 41°17'30" N. on the lat. are 22°58'30" N. on the dist. are and determine a meridian with the solar at the cor. of secs. 5-6-31 and 32 on S. bdy of Tp. as heretofore described; thence I run N. 0°4' W. bet. secs. 31 and 32 Over rough land
34.00	Dry wash drains E.
40.00	Set a limestone 16×8×6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on N. face; dig pits 18×18×12 inc. 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 limestone 17×8×5 inc. 12 inc. 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 18×18×12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor. Land rough, low hillocks and ridges Soil clay and alkali salts 4th rate No timber Thorny shrub undergrowth scattering
	S. 89°54' E. on a random line bet. secs. 29 and 32
40.00	Set temp. 1/4 sec. cor.
80.06	Intersect N. and S. line 10 lks. N. of cor. of secs. 28-29-32 and 33 Thence I run N. 89°50' W. on a true line bet. secs. 29 and 32 Over nearly level land
40.03	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18×18×12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked 1/4 S. 29 on N. face and 32 on S. face
80.06	The cor. of secs. 29-30-31 and 32 Land rough, low hillocks Soil clay and alkali salts 4th rate

Subdivision of T. 7 N. R. 16 W.

Chains	
	No timber Thorny shrub undergrowth scattering
	N. 89° 54' W. on a random line bet. secs. 30 and 31
40.00	Set temp. 1/4 sec. cor.
79.72	Intersect W. bdy of Tp. 21 lks S. of cor. of secs. 25-30-31 and 36 as heretofore described
	Thence 0 rem
	S. 89° 45' E. on a true line bet. secs. 30 and 31
	Over rough land
39.72	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 30 on N. face and 31 on S. face
79.72	The cor. of secs. 29-30-31 and 32.
	Land rough, low hillocks and ridges
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0° 4' W. bet. secs. 29 and 30
	Over nearly level land
40.00	Set a limestone 16x8x7 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
50.35	Dry wash drains E.
80.00	Set a limestone 16x8x7 inc. 11 inc. 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 pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	S. 89° 50' E. on a random line bet. secs. 20 and 29
40.00	Set temp. 1/4 sec. cor.

Subdivision of T. 7 N. R. 16 W.

Chains	
80.04	Intersect N. and S. line 12 lks. S of cor. of secs. 20-21-28 and 29
	Thence I run
	N 89° 55' W on a true line bet. secs. 20 and 29
	Over level land
40.02	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 20 on N. face and 29 on S. face
80.04	The cor. of secs. 19-20-29 and 30
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	July 4: at this cor. I set off 22° 57' N. on the declare and at 12h 44m p.m. L.M.T. observe the sun on the meridian; the resulting lat. is 41° 19' N.
	N. 89° 45' W on a random line bet. secs. 19 and 30
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect W. bdy. of Tp. 16 lks. N. of cor. of secs. 19-24-25 and 30 as heretofore described
	Thence I run
	S 89° 52' E on a true line bet. secs. 19 and 30
	Over nearly level land
40.16	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18 x 18 x 12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposite
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 19 on N. face and 30 on S. face
80.16	The cor. of secs. 19-20-29 and 30
	Land nearly level
	Soil clay and alkali salts 4th rate
	No timber.-
	Thorny shrub undergrowth.-
	N. 0° 4' W. bet. secs. 19 and 20
	Over level land

Subdivision of T 7 N R 21 E W.

Chains	
40,00	Set a limestone 16x8x6 inc. 10 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 15x7x6 inc. 10 inc. in the ground for cor of sec. 17-18-19 and 20 marked with 3 notches on S. and 5 notches on E. edges; dig pits 18x18x12 inc in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
	Land level
	Soil clay, and alkali salts, 4th rate
	No timber
	Thorny shrub undergrowth
	S 89°55' E. on a random line bet. secs. 17 and 20
40,00	Set temp. 1/4 sec. cor
80,00	Intersect N. and S. line 12 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 level land
40,00	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E and W. of cor 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposit.—
	On E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S 17 on N. face and 20 on S. face
80,00	The cor. of secs 17-18-19 and 20
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth—
	N 89°52' W. on a random line bet. secs. 18 and 19
40,00	Set temp. 1/4 sec. cor.
80,46	Intersect W. bdy. of Tp. 18 lks. N. of cor. of secs. 13-18-19 and 24 as heretofore described
	Thence I run
	East on a true line bet. secs. 18 and 19
—	Over level land
40,46	Deposite a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E and W. of cor 4 ft. dist. and raise

Chains	a mound of earth 3½ ft. base 1½ ft. high over deposit
	In E. pit. drive a pine stake 2 ft. long 2 inc sq. 12 inc in the ground marked
	1/4 S. 18 on N face and 19 on S. face
20.46	The cor. of sec. 17-18-19 and 20
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0°4' W. bet. secs. 17 and 18
	Over level land
20.01	Center of track of Lucin-Cut-Off C.P.R.R. course north-westerly and south-easterly
20.93	Telegraph line runs parallel with track
40.00	Set a limestone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. 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 limestone 17x7x6 inc. 12 inc. 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 18x18x12 inc. in each sec. 5½ ft. dist and raise a mound of earth 4 ft. base 2 ft. high W. of cor. —
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	July 4. 1903
	July 5: At 7h 32m a.m. I set off 41°21' N on the lat. arc, 22°53'30" N on the decl arc and determine a meridian with the solar at the cor. of secs. 7-8-17 and 18
	Thence I run
	East on a random line bet. secs. 8 and 17
40.00	Set temp. 1/4 sec. cor.
79.96	Intersect N. and S. line 5 lks. N. of cor. of secs. 8-9-16 and 17
	Thence I run
	N. 89°58' W. on a true line bet. secs. 8 and 17
	Over level land
39.98	Deposit a quart of broken glass 12 inc. in the ground

Chains	
	for 1/4 sec cor.; dig pits 18x18x12 inc. E and W of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 8 on N. face and 17 on S. face
79.96	The cor. of secs. 7-8-17 and 18
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	West on a random line bet. secs. 7 and 18
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect W. bdy. of Tp. at cor. of secs. 7-12-13 and 18 as heretofore described
	Thence Down
	East on a true line bet. secs. 7 and 18
	Over level land
40.16	Deposit a quart of broken glass 12 inc. in the ground for 1/4 sec. cor.; dig pits 18x18x12 inc. E. and W. of cor. 4 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high over deposits
	In E. pit drive a pine stake 2 ft. long 2 inc. sq. 12 inc. in the ground marked
	1/4 S. 7 on N. face and 18 on S. face
80.16	The cor. of secs. 7-8-17 and 18
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	N. 0° 4' W. bet. secs. 7 and 8
	Over level land
40.00	Set a quartzite stone 16x7x6 inc. 11 inc. in the ground for 1/4 sec. cor. marked 1/4 on W. face; dig pits 18x18x12 inc. N. and S. of cor. 8 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.
80.00	Set a quartzite stone 16x8x5 inc. 11 inc. in the ground for cor. of secs. 5-6-7 and 8 marked with 5 notches on S. and E. edges; dig pits 18x18x12 inc. in each sec. 5½ ft. dist. and raise a mound of earth 4 ft. base 2 ft. high W.

Subdivision of T. 7 N. 12 W.

Chains	
	of cor.
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —
	S 89°58' E. on a random line bet. secs. 5 and 8
40,00	Set temp. 1/4 sec. cor.
80,00	Intersect N. and S. line at cor. of secs. 4-5-8 and 9
	Thence O run
	N. 89°58' W. on a true line bet. secs. 5 and 8
	Over level land
40,00	Set a limestone 16x7x6 in. 11 in. in the ground for 1/4 sec cor. marked 1/4 on N. face; dig pits 18x18x12 in. 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 5-6-7 and 8
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —
	West on a random line bet. secs. 6 and 7
40,00	Set temp. 1/4 sec. cor.
81,10	Intersect W. bdy of Tp. 14 lks. S. of cor. of secs. 1-6-7 and 12 as heretofore described
	Thence O run
	S 89°54' E on a true line bet. secs. 6 and 7
	Over level land
41,10	Set a quartzite stone 16x7x6 in. 11 in. in the ground for 1/4 sec cor. marked 1/4 on N. face; dig pits 18x18x12 in. E. and W. of stone 3 ft. dist. and raise a mound of earth 3½ ft. base 1½ ft. high N. of cor.
81,10	The cor. of secs. 5-6-7 and 8
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth —
	July 5: At this cor O set off 22°57'30" N on the decl arc and at 12h 44m p.m. 1 m.t. observe the sun on the meridian the resulting lat. is 41° 21' 30" N. —

Subdivision of T. 7 N. R. 16 W.

Chains	
	N. 0°4' W on a random line bet. secs. 5 and 6
40.00	Set temp. 1/4 sec. cor.
84.52	Intersect N. bdy. of Tp. 1.37 chs N. 89°37' E. of cor. of secs. 5-6-31 and 32 as heretofore described
	Set a quartzite stone 15 x 8 x 6 ins. 10 ins. in the ground for closing cor. of secs 5 and 6 marked C.C. on S. face with 1 grove on W. and 5 groves on E. faces; 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. –
	And remove all markings from old cor. of secs 5-6-31 and 32 refering to secs. 5 and 6
	Thence I run
	S. 0°4' E. on a true line bet. secs. 5 and 6
	Over level land
44.52	Set a quartzite stone 15 x 8 x 5 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.
84.52	The cor. of secs. 5-6-7 and 8
	Land level
	Soil clay and alkali salts 4th rate
	No timber
	Thorny shrub undergrowth
	July 5: I return to the meridian established from Polaris, April 10. 1903 at the cor. of Tps. 7 and 8 N. Rs 17 and 18 W. as fully described in field notes of resurvey of N. and W. bdys. of T. 7 N. R. 17 W. "Bobk A." reference to which is hereby made; and at 4h 10m p.m. I m t set off 41° 22' 30" N. on the lat. arc 22° 51' N. on the decl. arc and test the adjustments of the solar, finding it gives the same meridian as at that time by p.m. observation and I conclude the adjustments are correct
	July 5. 1903

Subdivision of T.7N.R.16W.

Boundaries of T7NR16W
Latitudes departures and closing errors

Line designated	True bearing	Distance	Latitudes N	Latitudes S	Departures E	Departures W
		Chs	Chs	Chs	Chs	Chs
West Bdy.	S.0°17'E.	484.29		484.29	2.40	
South "	S.89°54'E.	479.16		0.84	479.16	
East "	North	488.50	488.50			
North "	89°6'W.	40.16		0.63		40.16
" "	S.89°47'W.	40.12		0.15		40.12
" "	S89°21'W	40.15		0.46		40.15
" "	S.89°10'W	40.12		0.58		40.12
" "	S89°13'W.	80.28		1.10		80.28
" "	S.88°47'W.	40.18		0.85		40.17
" "	West.	40.32				40.32
" "	S89°37'W.	80.18		0.54		80.18
" "	S89°41'W	40.10		0.22		40.10
" "	N89°41'W.	39.61	0.22			39.61
Convergency						0.63
Totals			488.72	489.66	481.56	481.84
				488.72		481.56
Errors				of Lat -0.94	of Dep.	-0.28

General Description

This township is all level, desert land and produces nothing except several varieties of thorny shrub and patches of saltgrass. – The soil is very alkaline and in most places covered with a white crust of alkali salts. – The southern edge of the township is rough; composed of hillocks 3 to 4 ft. high standing close together, and low ridges. –

There is no water within the township and like all the preceeding ones, it is of small value. –

There are no settlers nor other improvements than the R.R. track heretofore described. –

Andrew P. Hanson

U.S. Dep. Surveyor

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Andrew P. Stanton, 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 subdivision lines of T. 4 N. R. 18 and 17 W. — T. 5 and 6 N. R. 18 W. — T. 5-6 and 7 N. R. 17 W. and T. 5-6 and 7 N. R. 16 W. of the Salt Lake Base & Meridian Utah showing the respective capacities in which they acted:

J. F. Hoffman, Chainman.
R. J. Froiseth, Chainman.
J. F. Hoffman, Moundman.
Frank Hoffman Jr., Moundman.
R. J. Froiseth, Axman.
Frank Hoffman Jr., Axman.
B. R. Lawrence, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Andrew P. Stanton, United States Deputy Surveyor, in surveying all those parts or portions of the subdivision lines of T. 4 N. R. 18 and 17 W. — T. 5 and 6 N. R. 18 W. — T. 5-6 and 7 N. R. 17 W. and T. 5-6 and 7 N. R. 16 W. 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.

J. F. Hoffman, Chainman.
R. J. Froiseth, Chainman.
J. F. Hoffman, Moundman.
Frank Hoffman Jr, Moundman.
R. J. Froiseth, Axman.
Frank Hoffman Jr, Axman.
B. R. Lawrence, Flagman.

Subscribed and sworn to before me this seventh day of July, 1903, 189-.

SEAL

Sam Raney
Notary Public

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Andrew P Hanson, United States Deputy Surveyor solemnly swear that, in pursuance of a contract received from Edward H. Anderson United States Surveyor General for Utah, bearing date of 18, day of March 1903, ~~189~~, I have well, faithfully, and truly, in my proper person, and in strict conformity with the instructions furnished by the United States S General for Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of subdivisional lines of T. 4 N. RS. 1 and 17 W. — T. 5 N. RS. 16-17 and 16 W. — T. 6 N. RS. 16-17 and 16 W. and T. RS. 17 and 16 W.

of the Salt L and meridian, in the State of Utah, which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further 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 Sur General for Utah 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 the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Andrew P Hanson
United States Deputy Surve

Subscribed by said Andrew P Hanson, and sworn to before me this 18th day of February, 1904

Edward H Anderson
U S Surveyor Ge
for Uta

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City, Utah, March 31, 190

The foregoing field notes of the survey of the subdivisional lines of Township 4 North Ranges 16 West of the Salt Lake Base & Meridian, Utah

executed by Andrew P Hanson under his contract No. 261, dated March 18 1903, 189, having critically examined, and the necessary corrections and explanations made, the said field notes, an surveys they describe, are hereby approved.

Edward H Anderson
United States Surveyor G

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 offi

United States Surveyor G