Volume

#

R0253

BOOK A-253

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.....

C—151

PRELIMINARY OATHS OF ASSISTANTS.

We, [illegible]

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

[illegible]

[illegible]

Subscribed and sworn to before me this [illegible]

day of [illegible]

We, [illegible]

do solemnly swear that we will [illegible] of corners, according to the [illegible]

[illegible]

[illegible]

Subscribed and sworn to before me this [illegible]

day of [illegible]

We, [illegible]

do solemnly swear that we will [illegible] and other duties, according to [illegible]

[illegible]

[illegible]

Subscribed and sworn to before me this [illegible]

day of [illegible]

I, [illegible]

perform the duties of [illegible] survey of [illegible]

[illegible]

Subscribed and sworn to before me this [illegible]

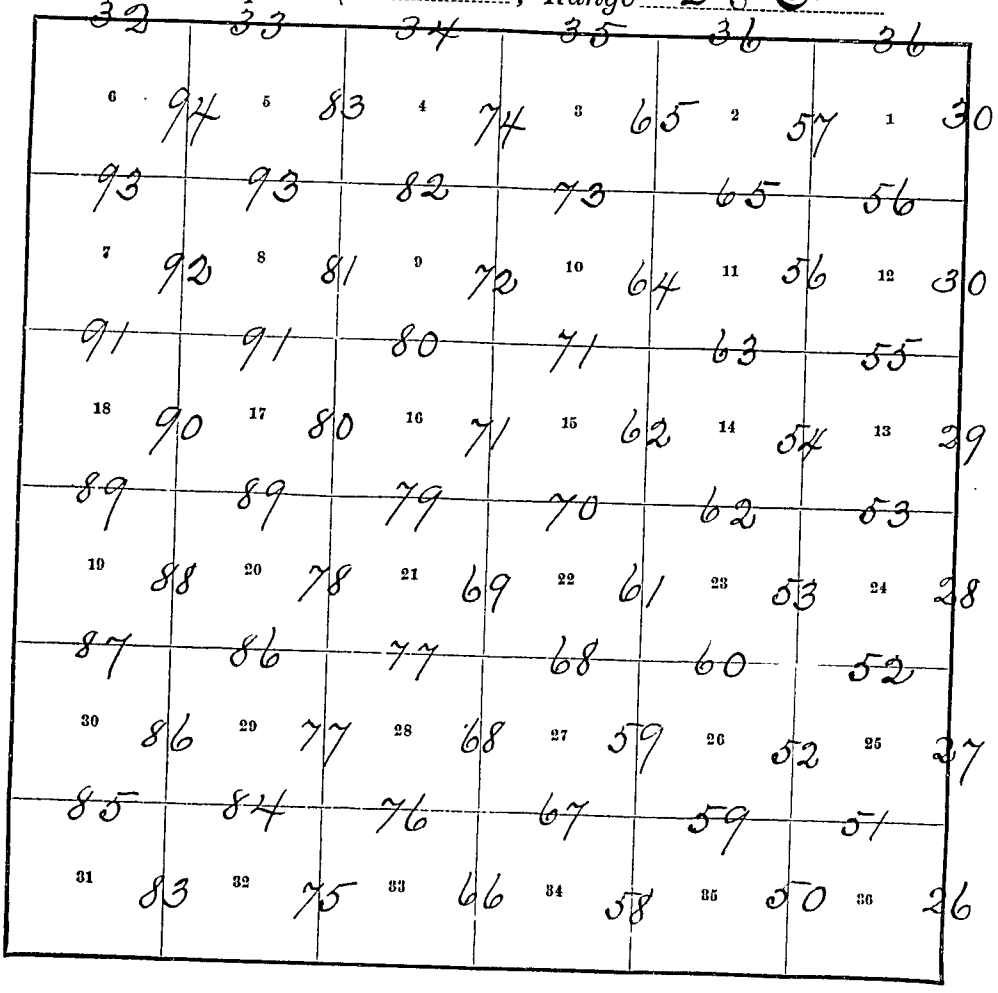
day of [illegible]

[illegible]

BOOK A-253

INDEX DIAGRAM.

Township 40 S, *Range* 25 E.



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

.....

BOOK A-253

INDEX DIAGRAM.

Township 40 S, *Range* 26 E.

~~106~~	~~107~~	~~108~~	~~121~~		
6 142	5 151	4 166	3	2	1
~~141~~	~~151~~	~~165~~	~~166~~		
7 140	8 150	9 164	10	11	12
~~139~~	~~149~~	~~162~~	~~163~~		
18 139	17 148	16 161	15	14	13
~~138~~	~~147~~	~~159~~	~~159~~		
19 138	20 146	21 158	22	23	24
~~137~~	~~145~~	~~156~~	~~157~~		
30 136	29 144	28 155	27	26	25
~~135~~	~~143~~	~~153~~	~~154~~		
31 134	32 142	33 152	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

BOOK A-253

INDEX DIAGRAM.

Township 41 S., *Range* 24 E.

6	5 195	4 194	3 193	2 190	1 177
				192	191
7	8	9	10	11 191	12 178
					195
18	17	16	15	14	13 179
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Meanders Page 196 - 201

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 ....., 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

BOOK A-253

INDEX DIAGRAM.

Township 41 S., *Range* 25 E.

6 287	5 281	4 276	3 264	2 255	1 214
~~287~~	~~286~~	~~281~~	~~275~~	~~263~~	~~254~~
7 285	8 280	9 274	10 262	11 253	12 215
~~266~~	~~267~~	~~267~~	~~268~~	~~262~~	~~252~~
18 282	17 277	16 269	15 261	14 251	13 215
	~~283~~	~~278~~	~~270~~	~~260~~	~~251~~
19 284	20 279	21 271	22 259	23 250	24 216
		~~273~~	~~272~~	~~259~~	~~249~~
30	29	28 273	27 258	26 248	25 217
			~~257~~	~~257~~	~~247~~
31	32	33	34 256	35 246	36 218
			~~220~~	~~220~~	~~219~~

Meanders Page 288-293

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

BOOK A-253

INDEX DIAGRAM.

Township 41 S, *Range* 26 E

" 314 " 322 " 338 "				"	"
313	322	336	337		
" 312 " 321 " 335 "				"	"
311	320	334	334		
" 311 " 319 " 333 "				"	"
310	319	331	331		
" 309 " 318 " 330 "				"	"
309	317	328	329		
" 308 " 316 " 327 "				"	"
307	315	324	325		
" 306 " 315 " 324 "				"	"
233	234	234	235		

Meanders Page

6-121

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

BOOK A-253

INDEX DIAGRAM.

Township 42 S, *Range* 25 E.

6	5	4	3 365	2 365	1 354 366
7	8	9	10	11	12 355
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 366 - 368

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

BOOK A-253

INDEX DIAGRAM.

Township 42 S., *Range* 26 E.

6 421	5 407	4 394	3	2	1
~~421~~	~~422~~	~~407~~	~~395~~		
7 422	8 408	9 396	10	11	12
~~423~~	~~424~~	~~409~~	~~397~~		
18 425	17 410	16 399	15	14	13
~~426~~	~~426~~	~~411~~	~~400~~		
19 427	20 412	21 401	22	23	24
	~~414~~	~~413~~	~~402~~		
30 418	29 415	28 403	27	26	25
~~419~~	~~417~~	~~416~~	~~404~~		
31 419	32 420	33 405	34	35	36
	~~383~~	~~382~~	~~381~~		

Meanders Page 428-433

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

.....

BOOK A-253

INDEX DIAGRAM.

Township 40 S, *Range* 21 E.

		449	448	447	446
6	5	4 523	3 514	2 507	1
		530	523	513	506
7	8	9 522	10 513	11 505	12
		529	522	512	504
18	17	16 521	15 511	14 503	13
	536	528	519	510	502
19 535	20 527	21 519	22 508	23 501	24
	534	497	496	495	495
30 533	29 498	28 524	27 516	26 505	25
532	531	526	525	517	515
31 531	32 499	33 526	34 518	35 516	36

Meanders Page 537 - 540

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

.....

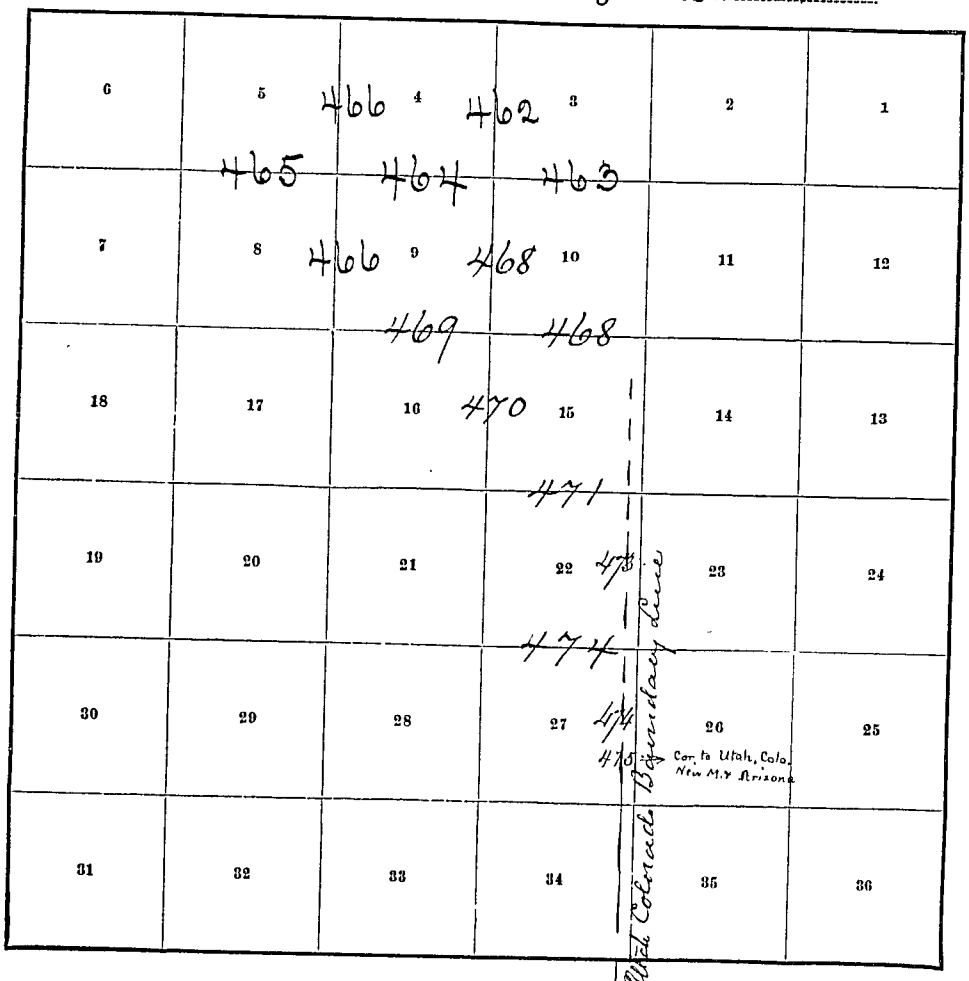
SEAL

.....

BOOK A-253

INDEX DIAGRAM.

Township 43 S., *Range* 26 E.



Meanders Page 477-480

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

.....

BOOK A-253

R.J.B.

FIELD NOTES

OF THE re SURVEY OF THE

East and North

Boundaries of

Township 40 South Range 25 East

Of the Salt Lake Base and Meridian,

State of Utah

AS re SURVEYED BY

Hubert D. Page and James M. Lentz, United States Deputy Surveyors

Spl. Inst. dated Sept 14 1899

nder ~~his~~ their Contract No. 215, dated October 29 1897 and Nine Fortune 189

rvey commenced February 3rd, 1899

rvey completed February 8th, 1899

6—151

Recovery E. Bldg — high M. Cor. [illegible] 3-00-00

" N. do — high 5-79-53

POOK A-253

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer — Chairman

Peter Allen — "

Harry Erwin — "

Walter O McCune — "

John R Lumpkin — Moundman

George W Dalton — "

John R Lumpkin — Axeman

George W Dalton — "

For preliminary affidavit see book "B"

6—151

BOOK A-253

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 boundary of T. 40 S., R. 25 E.

Survey commenced Feb 3rd 1899 and executed with the instruments described in book "A"

Then to test the solar apparatus by comparing its indications resulting from solar observations made during a. m. and p. m. hours, with a true meridian determined by observation on Polaris, we proceed as follows:

At the standard c.o.r. of T 40 S., Rs 25 & 26 E. Lat. 37°16 N Long 109°12 W.
set by us. under this contract

At 4 p.m., l. m.t., we set off 37°16 N on lat. arc; 16° 18' S. on decl. arc; and determine a true meridian with the solar, the line thus determined falls on the mark of the true meridian made by Polaris observation Jany 21st 1899

Feb 3rd 1899

Feby 4th 1899

At 8 a.m., l. m.t., we set off 37°16' N. on lat. arc; 16° 06 S. on decl. arc; and determine a true meridian with the solar the line thus determined falls on the mark of the true meridian made by Polaris observation Jan 21st 1899

The solar apparatus by p.m. and a.m., observations, defines the position of the true meridian the same as by Polaris observation therefore we conclude the

East boundary of T. 40 S., R. 25 E., continued.

Chains.	
	adjustments of the instrument are satisfactory.
	The magnetic bearing of the true meridian at 8 a. m. is N. 14° 20' W. the angle thus determined, reduced by the table page 100, gives the mean magnetic declination 14° 18' E.
	We begin at the standard cor. of T. 40 S., Rs. 25 and 26 E., which we established Jan 21st 1899.
	Thence We run North bet. secs. 31 and 36.
	Ascending over rolling land, soil sandy.
30.00	Begin descending,
40.00	set a sand stone 16×10×6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 36 on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable. Destroyed old cor. See statement page 1 Book "d"
60.00	Spur of hill projects S. E.
	Descend,
69.50	Intersection of two ravines from N. W. and N. Course S. E.
	Along ravine,
79.50	Near Junction of two ravines, from N. E. and N. 0° E.
80.00	Set a sand rock 16×8×6 ins. 11 ins. in the ground, for cor. to secs. 25, 30, 31 and 36. Marked with 5 notches on the N. and 1 notch on the S. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable Destroyed old cor. See P. 1 Book
	Land, Mountainous.

East boundary of T. 40 S., R. 25 E.

Chains	
	Soil, sandy and stony 2nd and 3rd rate. No timber. Mountainous land 80.00 chs.
	North bet. secs. 25 and 30. Ascending along ravine.
12.00	Leave ravine, begin ascending over rolling hills.
40.00	On a saddle between hills N.E. & S.W. set a sand stone 12 x 12 x 4 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable destroyed all cor. dep. Book a.
114.00	Descend,
47.50	Bottom of ravine, 50 ft deep. course S.W. ascend,
60.00	top of ridge, bears N.E. and S.W.
74.00	Old road, bears N.E. and S.W.
76.00	Drain, course E. ascend along ridge. bears N. and S.
80.00	on East side of ridge. set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground for cor. of secs. 19, 24, 25 and 30. Marked with 4 notches on the N. and 2 notches on the S. edges, raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable destroyed all cor. dep. Book a. Land mountainous. Soil, stony and sandy 2nd rate. No timber. Mountainous land, 80.00 chs.

East boundary of T. 40 S. R. 25 E. continued.

Chains	
	Feby 4 1899. At this cor. N.E. set off 16°05' S. on decl. arc; and at 12 h. 14 m. l. m. t. observe the sun on the meridian the resulting lat. is 37°17' N.
	North. bet. secs. 19 and 24. ascend along steep slope.
20.00	Sand stone ledges 25 ft high. bear N. 20 E. and S 20° W. Enter scattering cedar.
22.00	Dense cedar.
36.00	Leave heavy cedar.
38.00	Begin steep descent over broken sand stone ledges. bear N. W. and S. E.
40.00	on E. side of Mountain. Set a sand stone 16×10×4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 24 on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable destroyed old cor. See p. 1 Book "d".
55.00	Leave cedars.
56.00	Foot of steep descent bears E. and W.
57.40	Wagon road Bluff city to Colorado bears E. and W.
80.00	Set a sand stone 16×8×6 ins. 11 ins in the ground for cor. of secs. 3, 18, 19 and 24. Marked with 3 notches on the N. and S. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable destroyed old cor. See p. 1 book "d". Land, mountainous. Soil, stony. 3rd rate. Cedar timber. Mountainous land, 80.00 chs.

East boundary of T. 40 S., R. 25 E., continued.

chains	
	North bet. secs 13 and 18.
	Gradually ascending.
10.00	Begin steep ascent bears N.E. and N.
18.00	Top of sand stone ledges bear E. and N. 250 ft. above cor.
	Enter scattering cedar.
38.00	Ravine 75 ft deep. Course S.E.
40.00	Set a sand stone 14×14×6 ins 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 13. on N. face raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable destroyed old cor. See p. 1. book "A"
44.00	Top of ridge, bears E. and N.
	Descending along the broken sand stone edge of mesa.
80.00	Set a sand stone 20×10×5 ins. in a mound of rock. for cor. of secs. 7, 12, 13 and 18. marked, with 4 notches on the S. and 2 notches on the N. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable destroyed old cor. See p. 1. book "A".
	Land, mountainous
	soil, stony 3rd and 4th rate
	Cedar.
	Mountainous land 80.00 chs.
	Feby 4. 1899

Feby 5. 1899 At 8 a.m., l.m.t., N.E. set off 37° 19' N. on lat. arc; 15° 48' S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 12, 13 and 18.
Thence N.E. run

East boundary of T. 40. S, R. 25 E, continued.

Chains.	
	North bet. secs. 7 and 12.
	Ascending over broken
	sand stone ledges, scattering cedar;
13.00	Top of ledges, bear N.E. and S.W.
	Descend,
20.00	Leave Ledges, bear N.W. and S.E.
	Leave cedar, Enter dense artimisia
38.50	Drain, course E.
	ascend,
40.00	Set a sand stone 18 x 8 x 6 ins.
	12 ins. in the ground, for 1/4 sec.
	cor. marked 1/4 S. on W. face,
	raised a mound of stone 2 ft.
	base, 1 1/2 ft. high W. of cor.
	Pits impracticable, [illegible] "a"
75.00	Begin steep ascent
80.00	Set a sand stone 16 x 6 x 6 ins. 12 ins.
	in the ground for cor. to secs. 1, 6, 7,
	and 12. marked with 5 notches on
	the S. and 1 notch on the [illegible] edges,
	raised a mound of stone 2 ft. base,
	1 1/2 ft. high W. of cor.
	Pits impracticable, [illegible] "a"
	Land, mountainous.
	Soil, stony and sandy loam [illegible]
	Cedar.
	Mountainous land 80.00 chs.
	North bet. secs. 1 and 6.
	Ascending.
1.00	Sand stone ledges, bear N.E. and S.W.
4.00	Begin descending.
	Enter scattering cedar.
15.00	Sand stone ledges bear N.W.
	and S.E. Leave cedar.
22.00	Begin ascending over rolling
	sandy soil.

East boundary of T. 40 S., R. 25 E. Concluded.

Chains	
40.00	Set a sand stone 16 x 8 x 7 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable destroyed old cor. Sup. 1 Book "A"
46.00	Enter dense artimesa.
75.00	Drain in bottom of ravine course S. W. ascend.
80.00	On top of ridge bears N. E. and S. W. Set a sand stone 18 x 10 x 4 ins. 12 ins. in the ground for cor. of T. 39 and 40 S. Rs. 25 and 26 E. (marked, 39 S on N. E., 26 E on S. E., 40 S. on S. W., and 25 E. on N. W. faces, with 6 notches on the N. E. S. and W. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor. Pits impracticable destroyed old cor. Sup. 1 book "A" Land, mountainous soil, loam and stones 2nd and 3rd rate cedar timber. Mountainous land and [illegible] undergrowth. 80.00 chs.

North boundary of T. 40 S., R. 25 E.

Feby 5. 1899. At 2 p. m. l. m. t. N. C. set off 37° 21' N. on lat. arc; 15° 45' S. on decl. arc; and determine a true meridian with the solar at the cor. of T. 39 and 40 S., Rs. 25 and 26 E.

North boundary of T. 40 S., R. 25 E., Continued.

Chains.	
	Thence We run, West on a random line along the N. bdy. of T. 40 S., R. 25 E., setting temp. 1/4 sec. and sec. cors. at intervals of 40.00 chs. and at 47.953 chs. Intersect E. bdy. of Tp. at the cor. of Tps. 39 and 40 S. Rs. 24 and 25 E. Set by us. Feby 6. 1899
	Feby 7. 1899. At 8 a.m., l.m.t., We set off 37°21' N on lat. arc; 15°11' S. on decl. arc; and determine a true meridian with solar at the cor. of Tps. 39 and 40 S., Rs. 24 and 25 E. Already described, Thence We run East bet. secs. 6 and 31. Descending through dense artimesa, scattering cedar.
10.00	Bottom of ravine 100 ft deep. Course N. ascend,
19.00	Sand stone ledges, bears N.W. and S.E. Leave dense artimesa, Begin steep descent.
25.50	Bottom of cañon 200 ft deep. Course N. ascend,
39.53	set a sand stone 20 x 8 x 5 ins. in a mound of rock, for 1/4 sec. cor. marked, 1/4 S. 31 on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable destroyed old cor. see p. 1. book "A"
51.50	Top of spur projects N.
51.50	descend,
63.50	Bottom of ravine 100 ft deep

North boundary of T. 40 S, R. 25 E, continued.

Chains.	
	Course N. ascend.
77.00	Top of steep ascent. bears N.W. and S.E.
75.75	Top of sand stone ledges. bear N.W. and S.E. descend.
	Point for Cor. falls among broken stone, which would be hard to identify. therefore at this point we cut a c on ledge, for W.C. to cor. of secs. 5, 6, 31 and 32. Marked W.C. with 5 notches on E. and 1 notch on N. sides raised a mound of stone 2 ft. base, 1½ ft. high N. of C.
	Pits impracticable destroyed old cor. see p. 1 book "A".
79.53	Cor of secs 5.6.31 and 32 falls in broken ledges and is not sch.
	Sand, mountainous
	Soil stony 3rd rate.
	Scattering cedar,
	Mountainous land, 79.53 chs.
	East bet. secs. 5 and 32.
	Descending over broken sand stone ledges and boulders.
30.00	Bottom of ravine. drains N.E. ascend.
	Leave ledges and boulders.
36.00	Drain course N.N.
40.00	Set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft base, 1½ ft. high N. of Cor.
	Pits impracticable destroyed old cor. see p. 1 book "A".
	Over broken hills.
80.00	Set a sand rock 14 x 10 x 4 ins. 10 ins. in the ground for Cor. to secs. 4 5 32 and 33. Marked th 4 notches on the E. and

North boundary of T. 40 S., R. 25 E., Continued

Chain.	
	2 notches on the N. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. Land, mountainous soil stony, 3rd & 4th rate. No timber. Mountainous land 8000 chs
	Febry. 7th 1899 — At this cor. we set off 15° 10' S. on decl. arc; and at 12h 05 m. l. m. t. observe the sun on the meridian, the resulting lat. is 37° 21' N.
	East bet. secs. 4 and 33. Ascending over broken sand stone ledges. scattering cedar.
3.00	Top of steep ascent, and edge of mesa, dense artimesa.
40.00	Set a sand stone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable [illegible]
	From which a cedar tree 8 ins. in diam. bears S. 6 lks distant. Marked 1/4 S. 4. B. T.
47.00	Drain course N.
54.50	Top of ridge, bears, N. 1/2 and S. E. Leave mesa, dense artimesa. Descend over broken sand-stone ledges.
80.00	Set a sand stone 22 x 7 x 6 ins. in a mound of stone, for cor. to secs. 34, 33 and 34. marked with 3 notches on the E. and N. edges

North boundary of S. 40 S., R. 25 E., continued.

Chains.	
	raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable destroyed old cor. See p. 1 book "a" Land, mountainous Soil stony 2nd and 3rd rate Mountainous land and dense, under-growth 80.00 chs.
	East bet. secs. 3 and 34. Descending along South side of cañon, over broken sand-stone ledges through scattering cedar.
4.00	Bottom of cañon 300. ft deep. Course N. 80° W. ascend along the N. side of cañon.
40.00	Set a sand stone 18 x 8 x 5 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable destroyed old cor. see p. 1 book "a"
80.00	Set a sand rock 20 x 11 x 8 ins. in a mound of rock for cor. to secs. 2, 3, 34 and 35. marked with 4 notches on the N. and 2 notches on the E. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable destroyed old cor. see p. 1 book "a". Land, mountainous Soil stony, 3rd and 4th rate. Cedar timber Mountainous land 80.00 chs. February 7th 1899
	Feb. 8th 1899 — At 8 a.m., l.m.t., Wt set.

North boundary of T. 40 S., R. 25 E., continued.

Chains.	
	off 37°21' N. on lat. arc; 14°52' S on decl. arc; and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35.
	Thence We run
	East bet. secs. 2 and 35.
	Ascending, through scattering cedar.
21.00	Drain course S. 40° W.
30.00	Cross spur, bears N. W. and S. E.; descend,
40.00	In bottom of ravine, 100 ft deep, course N. W.
	Set a sand stone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor., marked 1/4 S. 35 on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable destroyed old cor. see p. 1 book "A".
	Begin steep ascent.
44.00	Top of steep ascent, bears N. W. and S. E.
64.00	Top of ridge, bears N. W. and S. E.
	Over rolling land leave cedar.
	through dense artimesia.
80.00	Set a sand stone 22 x 8 x 8 ins. 16 ins in earth and rock. for cor. to secs. 1, 2, 35 and 36, marked with 5 notches on the W. and 1 notch on the E. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable destroyed old cor. see p. 1 bo.
	Land, mountainous,
	Soil sandy and stony 2nd and 3rd rate,
	Scattering cedar.
	Mountainous land, 80.00 chs.

East bet. secs. 1 and 36.

North boundary of T. 40 S., R. 25 E., Concluded.

Chains.	
	Over rolling Mesa, dense artimesa, and sandy loam.
40.00	Set a sand stone 18 x 7 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high. N. of cor. Pits impracticable destroyed old cor. see p. 1. book "d".
44.00	Bottom of ravine 100 ft. deep course S. ascend.
52.00	Top of ridge bears N. and S.
5[illegible]	descend
68.00	Bottom of ravine 75 ft. course S. ascend,
80.00	The cor. of T. ps. 39 and 40 S., Rs. 25 and 26. E.
	Land, mountainous.
	Soil, sandy loam and stony 1st and 3rd rate
	No timber.
	Mountainous land and dense under growth. 80.00 chs.
	Feb. 8th 1899

Latitudes, departures and closing errors.

Line designated	True bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
8th Standard Parallel South.	East.	480.00			480.00	
East bdy. T. 40 S. R. 25 E.	North.	480.00	480.00			
N. bdy. T. 40 S. R. 25 E.	West.	479.53				479.53
E. bdy. T. 40 S. R. 24 E.	South.	480.00		480.00		
Convergency.						.55
Totals			480.00	480.00	480.00	480.08
Error in departure						480.00
						.08 ✓

For General discription see book of subdivisions of this township.

Hubert D Page
James M. Lentz
Ms. Deputy survey

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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.*

....., *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 February 17th 1900 ~~189~~

The foregoing field notes of the re survey of East & North Boundaries of Township 40 South Range 25 East of the Salt Lake Base and Meridian Utah

executed by Hubert D Page & James M Lentz under ~~his~~ their contract No. 215, dated October 29th 1897 (Thence prefixed Inst. dated Sept 14 1899), having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B
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

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4—679.

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township No. 40 South.

Range no. 25 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Hubert D Page and James M. Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated Oct 29, 1897

Survey commenced Feb 8, 1899

Survey completed Feb 18, 1899

6—151

Subs. high M. Chs. Obs. 56-53-56 ✓

low - 3-25-25 ✓

59 78-81

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer chainman
Peter Allen "
Harry Erwin "
Walter O McCuen "
John R Lumpkin moundman
George W Dalton "
John R Lumpkin axman
George W Dalton "

For preliminary affidavits see Book D

6—151

BOOK A-253

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

.....

6—151

Subdivision of T. 40 S., R. 25 E.—

Survey commenced Feb. 8th 1899 and executed with the instruments described in "Book D."

Then to test the solar apparatus by comparing their indications resulting from solar observations made during a. m. and p. m. hours with a true meridian determined by observations on Polaris. We proceed as follows:

At the standard cor. of secs. 35 and 36. on the S. bdy. of T. 40 S. R. 25 E.: Latitude 37° 16' N. Longitude 109° 13' W.: We set off 37° 16 N. on the lat arc: 14° 46' S. on the decl arc: and at 4h p. m. l. m. t., determine with the solar, with one of the instruments, a true meridian and mark a point thereof on a stone firmly set in the ground 5 ch N. of the cor.

With the second instrument placed the same initial point We set off 37° 16 N. on the lat arc: 14° 46' S. on the decl arc: and at 4hrs 10m p. m. l. m. t., determine with the solar a true meridian and mark a point there of on the stone already set 5 chs. of our station. this point falls identical with that of the 1st instrument

At 10hrs 0 m. p. m. l. m. t., We observe Polaris at western elongation with the 1st instrument 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 our station.

Feb 8th 1899

Feb 9th 1899.

At 7:30 a. m. l. m. t., We lay off the azimuth of Polaris 1° 33' to the east. the true meridian thus determined falls on

the marks set by p.m. solar observations of both instruments Feb. 8, 1899

At 8 a.m. l.m.t., We set off 37°16' N. on the lat. arc; 14°33' S on the decl. arc; of the 1st instrument and determine a true meridian with the solar, which falls on the mark set on the true meridian established by the Polaris observations.

At 8 hrs 10m a.m. l.m.t., We set off 37°16' N on the lat. arc; 14°33' S. on the decl arc; of the second instrument and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

The solar apparatus of each instrument by p.m. and a.m. observations defines positions for true meridians. Therefore We conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is, N. 14°20' W. the angle thus determined reduced by the table page 100 gives the mean mag. decl. 14°18' E.

We commence at the standard cor of secs 35 and 36 S. bdy of T. 40 S. R. 25 E. which We established Jan. 20, 1899 previously described

Thence We run

N 0°, 1' W. bet secs 35 and 36.

Descending over stony land,

3.00 Ledges 10 ft high beds N.W. and S.E.

10.00 Bottom of gulch 50 ft deep course E. heads about 20 chs W. ascend.,

12.00 Top of stony knoll. thence over precipitous broken sandstone boulders

40.00 Set a sandstone, 14x12x9 ins, 10 ins

Subdivision of T.40 S., R. 25 E. Continued.

and the ground for 1/4 Sec. cor. marked 1/4
, 35 on W. face and raise a mound of
2 ft. base 1½ ft. high W. of cor. Pits

ascend over stony land.
- 80.00 Set a sandstone 16x10x6 ins. 11 ins. in the
ground for cor. of Secs. 25. 26. 35 and 36.
marked with 1 notch on S. and E. edges
and raise a mound of stone 2 ft. base 1½ ft.
W. of cor. Pits impracticable
and mountainous
Soil stony: 4th rate;
No timber
Mountainous land. 80.00 chs.

ash. on a random line bet. Secs. 25 and 36.
40.00 Set 1/4 Sec. cor.
80.00 E. bdy of the Tp. 7 chs. N. of the cor.
Secs. 25. 30. 31 and 36.
Thence We run
N. 89° 57' W. on a true line bet. Secs. 25 and 36.
dug over broken stony land.
4.00 Top of ascent. thence over rolling land
20.00 Top of spur bears N. and S., projects N. descend
29.00 Bottom of ravine course S.W.
40.00 Set a sandstone 20x7x6 ins. 15 ins. in the
for 1/4 Sec cor. marked 1/4 S. on
N. face and raise a mound of stone 2 ft
base 1½ ft. high N. of cor. Pits impracticable
Ascending over rolling land. Soil stony.
50.00 Bottom of ravine course S.W.
59.00 Bottom of ravine Course S.E.
- 80.00 The cor. of Secs. 25. 26. 35 and 36
Land mountainous.
Soil stony: 4th rate;
No timber
Mountainous land. 80.00 chs.
Feb 9, 1899. At this cor. We set off 14° 31' S. on
decl are: and at 12h 10m l. m. t. observe
the sun on the meridian, the resulting lat. is
37° 16' N.

Subdivision of T. 40 S., R. 25 E. continued.

chains.	N. 0° 1' W. bet secs. 25 and 26.
	Ascend over rolling land soil gravelly and stony.
40.00	Set a sandstone 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 26 on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
80.00	Set a sandstone 12 x 10 x 10 ins. 8 ins. in the ground for cor. of secs. 23. 24. 25 and 26 marked with 1 notch on E and 2 notches on S. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
	Land mountainous.
	Soil gravelly and stony: 2nd and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	S. 89° 57' E. on a random line bet secs 24 and 25.
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect E bdy of Tp. 9 chs. S. of the cor of secs 19. 24 & 25 and 30.
	Thence we run
	S 89° 59' W. on a true line bet secs 24 and 25.
	Ascending
0.50	Top of low ridge bears N and S. descend,
2.00	Bottom of ravine. course S. ascend. soil stony.
9.70	Top of spur bears N. and S. projects N. 200 ft. above sec. cor. descend over rolling land,
40.01	Set a sandstone 18 x 7 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
41.00	Ravine 60 ft. deep course S. ascend,
80.02	The cor. of secs. 23. 24. 25 and 26.
	Land mountainous
	Soil gravelly and stony: 2nd and 4th rate.
	No timber.
	Mountainous land. 80.02 chs.
	Feby 9th 1899
	Feby 10th 1899: At 8 a.m. l. m. t., we sch of 37° 17' N. on the lat. arc; 14° 13 S. on the decl arc: and determine a true meridian with the solar at the cor.

Subdivision of T. 40 S., R. 25 E. Continued.

cors. of secs. 23. 24. 25 and 26.
Thence We run
N. 0° 1' W. bet. secs. 23 and 24.
Over rolling land. soil stony and gravelly
32.60 Wagon road bet. Bluff city & Colorado
bears N.E. and S.W. thence ascending
over rolling land
40.00 a sandstone 12x10x10 ins., 8 ins. in
ground for 1/4 sec. cor. marked 1/4 S.
on W. face, and raise a mound of
stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Ascending over broken land. soil. stony
69.75 Top of spur bears N.E. and S.W. projects
N.E. 100 ft above 1/4 sec. cor. Descend,
80.00 a sandstone 16x14x6 ins., 11 ins. in
ground for cor. of secs. 13. 14. 23 and
24. marked with 3 notches on S. and
1 notch on E. edges. and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Land mountainous
gravelly and stony; 2nd and 4th rate.
No timber.
Mountainous land 80.00 chs.

N. 89° 59' E. on a random line bet. secs.
13 and 24.
40.00 temp. 1/4 sec. cor.
80.06 Intersect the E. bdy of the Tp. 9 lks. N. of
the cor. of secs. 13. 18. 19 and 24.
Thence We run
N. 89° 57' W. on a true line bet. secs. 13 and
24.
Ascending over rolling land. soil clay
and sand.
40.03 a sandstone 14x10x8 ins., 10 ins. in
the ground for 1/4 sec. cor. marked 1/4 S.
on N. face and raise a mound of
2 ft. base 1 1/2 ft. high N. of cor.

chains	Pits impracticable
	This cor. is on South side of stony knoll
	Ascending over stony rolling land.
73.10	Top of ledges and stony knoll 300 ft.
	above 1/4 sec. cor. begin steep descent
77.00	Foot of steep descent. thence over rolling
	sandy land.
80.06	The cor. of secs. 13. 14. 23 and 24
	This cor. is 200 ft below top of knoll
	Land mountainous.
	Soil. sandy. clay. and stony. 1st 3rd and 4th qualy.
	No timber.
	Mountainous land. 80.06 chs.
	Feb 10. 1899. At this cor. the set off
	14° 12' S. on the decl. arc. and at 12 hrs 10'
	m. l. m. t., observe the sun on the
	meridian the resulting lat. is 37° 18' N.

	N. 0° 1' W. bet. secs. 13 and 14.
	Ascending over rolling land. Soil sandy
40.00	Set a sandstone 14 x 8 x 6 ins., 10 ins. in the
	ground for 1/4 sec. cor. marked 1/4 S. on W.
	face and raise a mound of stone 2 ft.
	base 1 1/2 ft high W. of cor. Pits impractic-
	able.
	Begin steep ascent over broken
	sandstone ledges and boulders
46.47	Top of broken sandstone ledges 100 ft above
	1/4 sec. cor. and edge of mesa bears N.
	and S. thence over smooth sandstone
	floor near the north edge of mesa
52.55	Top of broken sandstone ledges and
	boulders 100 ft high and edge of mesa
	bears N.E. and S.W. begin precipitous
	descent over broken sandstone ledges
	and boulders
57.00	Foot of precipitous descent. Thence
	over rolling land. through dense
	artemesia. Soil sandy.
80.00	Set a sandstone 14 x 10 x 8 ins., 10 ins.

Subdivision of T. 40 S., R. 25 E. Continued.

ains.	the ground for cor. of secs. 11, 12, 13 and 14, marked with 4 notches on S. and 1 notch on E. edges and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable Land mountainous. Soil sand and stony: 1st and 4th rate. No timber. Mountainous land. 80.00 chs.
	S 89° 57' E. on a random line bet. secs. 12 and 13.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect the E. bdy of the Tp. 6 Ro. S. of the cor. of secs. 7, 12, 13 and 18. Thence We run West on a true line bet. secs. 12 and 13. Ascending over broken stony land through scattering cedars
32.00	Leave scattering cedars. thence over rolling mesa soil sandy.
40.00	Set a sandstone 12 x 10 x 9 ins., 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
65.00	Top of broken sandstone ledges 100 ft. high and edge of mesa bears N. and S. Begin precipitous descent over broken sandstone ledges and boulders
70.00	Foot of precipitous descent. thence over rolling land. soil sandy.
80.00	The cor. of secs. 11, 12, 13 and 14. Land mountainous sandy and stony; 1st and 4th rate Timber: cedar scattering Mountainous land. 80.00 chs Feb. 10, 1899.

Subdivision of T. 40 S., R. 25 E. Continued.

chains.	
	Feb. 11. 1899.
	At 8 a. m. l. m. t., We set off 37° 19' N. on the lat. arc: 13° 34' S. on the decl. arc: and determine a true meridian with the polar at the cor. of secs. 11. 12. 13 and 14.
	Thence We run
	N 0° 1' W. bet. secs. 11 and 12.
	Ascending over rolling sandy land
6.00	Begin ascend over precipitous broken sandstone ledges and boulders
12.60	Top of ledges 30 ft. high and edge of mesa bears E. and W. 150 ft. above sec. cor. thence gradually ascending land rolling. Soil sandy. through scattering cedars.
40.00	Set a sandstone 14 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 11 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
67.75	Top of broken sandstone ledge and boulders 20 ft. high and edge of mesa bears N.E. and S.W. Descend over stony land leave scattering cedars
80.00	Set a sandstone 14 x 12 x 5 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. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable Land mountainous. Soil sandy and stony: 1st and 4th rate Timber cedar. scattering. Mountainous land 80.00 chs.
	East on a random line bet. secs. 1 and 12.
40.00	Set a temp. 1/4 sec. cor.

Subdivision of T. 40 S., R 25 E. Continued.

ains
80.00 — — the E. bdy of the Tp. at the
of secs. 1, 6, 7 and 12,
Thence We run
West on a true line bet. secs. 1 and 12
Ascending over stony land,
2.50 Point of spur projects N.
6.50 Bottom of ravine 50 ft. deep. Course N.
ascend
11.00 Top of ridge bears N. and S.
thence over rolling land gradually
ascending soil sandy and gravelly
40.00 a sandstone 14 x 12 x 6 ins., 10 ins.
the ground for 1/4 sec. cor. marked
1/4 S. on N. face and raise a
mound of stone 2 ft. base 1 1/2 ft. high
N. of cor. Pits impracticable.
inter. dense artimesa. ascending
soil sandy
78.00 Bigin descend. leave artimesa
80.00 The cor of secs. 1, 2, 11, and 12,
Land mountainous
sandy, gravelly and stony; 1st 2nd
and 4th rate.
No timber
Mountainous land, 80.00 chs.
Feb. 11, 1899. At this cor. We set
off 13° 52' S. on the decl arc; and
at 12 hrs. 14 m. l. m. t., observe the
sun on the meridian the resulting
is 37° 20' N.

N. 0° 1' W. on a random line bet. secs.
1 and 2.
40.00 temp. 1/4 sec. cor.
79.90 Intersect the N. bdy. of the Tp. 5 lks. E.
of the cor. of secs. 1 and 2
Thence We run
0° 3' E. on a true line bet. secs. 1 and
2.
Descending over rolling land.

Subdivision of T. 40 S., R. 25 E. Continued.

chains	
	Soil sandy and gravelly.
39.90	Set a sandstone 14×12×6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 2 on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
79.90	The cor. of secs. 1, 2, 11 and 12. Land mountainous Soil sandy and gravelly; 1st and 2nd rate No timber. Mountainous land. 79.90 chs. Feb. 11. 1899.

Feb. 9. 1899.

At 9 hrs. 00 m. l. m. t., the set off 37° 16' N. on the lat. arc: 14° 33' S. on the decl. arc: and determine a true meridian with the solar at the standard cor. of secs. 34 and 35 on the S. bdy. of the Tp. which the established ~~heretofore~~ previously described

Thence the run

N. 0° 1' W. bet. secs. 34 and 35

Ascending over rolling mesa soil sandy and gravelly

chains		
8.00	Wagon road	bears S.W. and N.E.
14.00	Ravine	Course S.W.
	Thence along ravine	ascending
20.00	Leave ravine	Course S.
40.00	Set a sandstone 18×8×5 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.	
60.00	Wagon road	bears N.E. and S.W.
80.00	Set a sandstone 18×10×6 ins., 12 ins. in the ground for cor. of secs. 26, 27, 34 and 35 marked with 1 notch on S. and 2 notches on E. edge and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous.	

Subdivision of T. 40 S., R. 25 E. Continued.

and. sandy and gravelly: 1st and 2nd rate.
No timber.
Mountainous land. 80.00 chs.

ash on a random line bet. secs. 26 and 35'
40.00 temp. 1/4 sec. cor.
79.96 Intersect N. and S. line 3 chs. S. of the cor. of 25. 26. 35 and 36.
Thence We run
89°59' W. on a true line bet. secs. 26 and 35'
Over rolling land. ascending. soil sandy and gravelly
39.98 d sandstone 15x10x8 ins., 10 ins. in the ed for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound, 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
59.85 Wagon road bet. Holyoake and Olorado bears N. and S.
75.00 Old wagon road bears N.E. and S.W. ce over stony land
79.96 The cor. of secs. 26. 27. 34 and 35'
Land mountainous
Soil sandy gravelly and stony: 1st 2- and 4th rate.
No timber.
Mountainous land. 79.96 chs.
Feb. 9. 1899: At this cor. We set off 14° 31' S. on the decl. arc: and, 2 hrs. 08 m. l.m.t., observe the on the meridian the resulting lat. is 39° 16' N.

N. 0° 1' W. bet. secs. 26 and 27
Ascending over rolling land. soil andy and gravelly.
4.00 Begin steep ascent over broken sand-stone ledges and boulders.
13.70 Top of ascent and sandstone ledges 15 ft.

Chains high. and edge of mesa bears E and W.
360 ft. above sec. cor.
Thence over rolling land soil sandy.
gradually ascending. through scattering
cedars
40.00 Set a sandstone 18x12x6 ins., 12 ins. in
the ground for 1/4 sec. cor. marked 1/4 S.
on W. face and raise a mound of
stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
52.00 Begin gradual descent.
80.00 Set a sandstone 18x14x8 ins., 12 ins.
in the ground for cor. of secs. 22. 23.
26 and 27. marked with 2 notches
on S. and E. edges. and raise a mound
of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
Land mountainous
Soil sandy and stony. 1st and 4th rate.
Timber cedar scattering.
Mountainous land. 80.00 chs.

N. 89° 59' E. on a random line bet. secs.
23 and 26.
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. bdy at the cor. of secs. 23. 24
25 and 26
Thence He runs
S. 89° 59' W. on a true line bet secs 23 and
26.
Descending over rolling gravelly land
22.00 Wagon Road bears N.E. and S.W.
40.00 Set a sandstone 16x8x6 ins., 11 ins. in
the ground for 1/4 sec. cor. marked 1/4
S. on N. face and raise a mound
of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable. Ascending
over rolling land
58.00 Begin steep ascent over broken
sandstone ledges and boulders

Chains	
68.00	Top of broken sandstone ledges and boulders 25 ft. high and edge of mesa bears N. and S. 300 ft. above 1/4 Sec. cor.
	Thence over rolling mesa soil sandy
80.00	The cor. of secs. 22. 23. 26 and 27
	Land mountainous
	Soil sandy and stony: 1st and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	Feb. 9. 1899.

Feb. 10. 1899.

At 8 a. m. l. m. t. We set off 3° 19' N. on the lat. arc: 14° 13' S. on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 22. 23. 26 and 27.

Thence We run

N. 0° 1' W. bet. secs. 22 and 23

Over rolling mesa soil sandy

Through scattering cedars

40.00	Set a sandstone 18 x 10 x 5 ins., 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
60.00	Begin descend over stony land
71.00	Sandstone ledges and boulders 20 ft. high and edge of mesa bears N. W. and S. E. leave scattering cedars. begin steep descent.
80.00	a sandstone 18 x 12 x 8 ins., 12 ins. the ground for cor. of secs. 14. 15. 22 and 23 marked with 3 n on S. and 2 notches on E. edges. and a mound of stone 2 ft. 1 1/2 ft. high W. of cor. Pits impracticable.

This cor. stands on steep slope to the east about 50 ft. below

Subdivision of T. 40 S., R. 25 E. Continued.

Chains	the top of mesa.
	Land mountainous.
	Soil sandy and stony: 1st and 4th rate.
	Timber. cedar scattering.
	Mountainous land 80.00 chs.
	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 4 lks. N. of the cor. of secs. 13. 14. 23 and 24
	Thence, We run
	N. 89° 59 W. on a true line bet. secs. 14 and 23
	Ascending over rolling land. soil sandy and gravelly
40.00	Set a sandstone 16×12×10 ins., 11 ins. in the ground for 1/4 Sec. cor. marked 1/4 S. on N. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable
	Begin descend over rolling land
49.00	Begin ascend
74.00	Foot of steep ascent over very stony land large broken sandstone boulders
80.00	The cor. of secs 14. 15. 22 and 23
	Land mountainous
	Soil sandy and stony: 1st and 4th rate.
	No timber.
	Mountainous land 80.00 chs.
	Feb. 10. 1899. At this cor. We set off 14° 12' S. on the decl arc: and at 12 hrs. 08 m. l. m. t., observe the sun on the meridian, the resulting lat. is 37° 18' N.
	N. 0° 1' W. bet. secs. 14 and 15.
	Steep precipitous ascent over broken sandstone ledges and boulders. along S.E. edge of mesa

Subdivision of T. 40 S., R. 20 E. Continued.

Chains

4.00 Top of ledges and precipitous accent. 150 ft above sec. cor. and edge of mesa bears N.E. and S.W. thence over rolling land. soil sandy. through scattering cedars

38.40 Top of broken sandstone ledges, and bow 30 ft high and edge of mesa bears N.W. and S.E. leave cedars Descend

40.00 Pouch for 1/4 sec. cor. falls, on sandstone boulder in place 40 ins. x 30 ins. on which

We cut a cross for 1/4 sec. cor. marked 1/4 S. on N. side of cross; and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable

thence descending over stony land along east side of mesa. rolling foothills.

80.00 Set a sandstone 14 x 10 x 9 ins., 10 ins. in the ground for cor. of secs. 10. 11. 14 and 15 marked with 4 notches on S. and 2 notches on E. edges, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Land mountainous

Soil sandy and stony: 1st and 4th rate.

Timber. cedars. scattering.

Mountainous land 80.00 chs.

89° 59' E. on a random line bet. secs. 11 and 14.

40.00 ch. temp. 1/4 sec. cor.

80.02 Intersect N. and S. line 3 chs. S. of ne cor. of secs. 11. 12. 13 and 14

Thence We run

West on a true line bet. secs. 11 and 14.

Ascending over rolling land. soil sandy

Subdivision of T. 24 S., R. 25 E. Continued.

Chains

20.00 Point of spur near foot project S.
Descend over rolling land.
25.00 Enter artimesa
40.01 Set a sandstone 12x8x6 ins., 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
43.00 Begin ascend over rolling land
soil sandy.
80.02 The cor. of secs. 10. 11. 14 and 15.
Land rolling.
Soil sandy: 1st rate
No timber. dense artimesa 55.02 chs.
Feb. 10. 1899.

Feb. 11. 1899.
At 8 a.m. l.m.t., We set off 37° 19' N. on the lat. arc; 13° 54' S. on the decl. arc; and determine a true meridian with the solar, at the cor. of secs. 10. 11. 14 and 15.
Thence We run
N. 0° 1' W. bet. secs. 10 and 11.
Ascending over rolling land soil sandy through dense artimesa.
7.00 Begin steep ascent to top of mesa over broken sandstone ledges, and boulders.
8.75 Top of sandstone ledges 5 ft. high and edge of mesa bears N.E. and S.W. 150 ft. above sec. cor. thence over rolling mesa through dense artimesa. Soil sandy. gradually descending.
40.00 Set a sandstone 12x10x10 ins., 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
80.00 Set a sandstone 14x8x6 ins., 10 ins. in the ground for cor. of secs 2. 3. 10 and 11.

Subdivision of T. 40 S. R. 25 E. Continued.

chains marked with 5 notches on S. and 2 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
Land rolling.
oil sandy and stony: 1st and 4th rate.
No timber. dense artimesa 71.25 chs.

ast. on a random line bet. secs. 2 and 11.
40.00 Set temp. ¼ sec. cor.
79.96 Intersect N. and S. line 7 lks. S. of the cor. of secs. 1. 2. 11 and 12.
Thence We run
S. 89° 57' W. on a true line bet. secs. 2 and 11.
Ascending over rolling land. soil clay and stony
39.98 Set a sandstone 16 x 12 x 5 ins., 11 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
50.00 Leave clay soil. thence over sandy loam through dense artimesa.
ascending
79.96 The cor. of secs. 2. 3. 10 and 11.
Land mountainous.
oil sandy and clay: 1st and 3rd rate.
No timber.
Mountainous land. 79.96 chs.
Feb. 11. 1899: At this cor. We set off 13° 52' S. on the decl. arc: and at 12 hrs. 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 20' N.

No° 1' W. on a random line bet. secs. 2 and 3
40.00 Set temp. ¼ sec. cor.
80.03 Intersect the N. bdy. of the Tp. 2 lks. E.

Subdivision of T. 40 S., R. 25 E. continued.

Chains. of the cor. of secs. 2 and 3
Thence We run
S. 0° 2' E. on a true line bet. secs. 2 and 3.
Descending over gravelly and stony land
5.50 Bottom of ravine. Course W.
Begin ascend over broken sandstone ledges and boulders
26.80 Top of sandstone ledges and boulders. and edge of mesa 500 ft. above sec cor. bears E and W.
Thence over rolling mesa soil sandy through dense artemesia. ascending
40.03 Set a sandstone 14 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable.
80.03 The cor. of secs. 2, 3, 10 and 11.
Land mountainous.
Soil sandy and stony: 1st and 4th rate.
No timber.
Mountainous land. 80.03 chs.
Feb. 11. 1899.

Feb. 13. 1899
At 8 a.m., l.m.t., We set off 37° 16' N. on the lat. arc: 13° 14' E. on the decl. arc; and determine with the solar a true meridian at the standard cor. of secs. 33 and 34 on the S. bdy. of the Tp. which We established Jan 20 1899 previously described.
Thence We run
N. 0° 2' W. bet. secs. 33 and 34.
Ascending over broken stony land
7.75 Wagon road bears N. E. and S. W.
20.00 Top of stony knoll 200 ft above sec cor. Descend
40.00 Set a sandstone 14 x 12 x 10 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, and raise a mound of

Subdivision of T. 40 S., R. 25 E. Continued.

Chains — 2 ft. base 1½ ft. N. of cor.
Pits impracticable
Thence over rolling, gravelly and mesa
8.0.00 Sandstone 16 x 8 x 6 ins., 11 ins. in ground for cor. of Secs 27. 28. 33 and 34. marked with 1 notch on S and 3 notches on E. edges. and raise a of stone 2 ft. base. 1½ ft. high of cor. Pits impracticable.
Land mountainous.
Stony. gravelly and clay. 2nd 3rd and 4th rate.
No timber.
Mountainous land. 80.00 chs.

as on a random line bet. Secs. 27 and 34
40.00 temp. ¼ Sec. cor.
80.00 Intersect N. and S. line at the cor of 26. 27. 34 and 35
Thence We run
West on a true line bet. Secs. 27 and 34.
Over rolling land, soil gravelly.
20.00 Point of spur projects S. 100 ft above cor. Descend
over stony land
34.35 Wa road bears N. W. and S. E.
40.00 Sandstone 15 x 10 x 8 ins., 10 ins. in ground for ¼ Sec. cor. marked ¼ on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
40.10 Bottom of ravine 20 ft deep course S.E. Ascend
over rolling land,
80.00 The cor. of Secs. 27. 28. 33 and 34.
Land mountainous.
gravelly and stony 3rd and 4th rate
No timber.

Subdivision of T. 40 S., R. 25 E. Continued.

Chains	
	Mountainous land. 80.00 chs.
	Feb. 13. 1899. At this cor. We set off 13° 12' S. on the decl. arc: and at 12 hrs. 12 m. l. m. t., observe the sun on the meridian. the resulting lat. is 37° 16' N.
	N. 0° 21' W. bet. secs. 27 and 28
	Ascending over rolling land soil clay and stony.
35.00	Top of ridge 175 ft above sec. cor. bears E. and W. descend over rolling land
40.00	Set a sandstone 14 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable
49.25	Wagon road bears E. and W. ascend
80.00	Set a sandstone 14 x 10 x 8 ins., 10 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. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Land mountainous
	Soil clay and stony: 3rd and 4th rate
	No timber.
	Mountainous land. 80.00 chs.
	Back 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. S. of the cor. of secs. 22. 23. 26 and 27.
	Thence we run
	S. 89° 58' W. on a true line bet. secs. 22 and 27.
	Over rolling mesa soil sandy. through scattering cedars
4.00	Top of broken sandstone ledges 10 ft

Subdivision of T. 40 S., R. 25 E. Continued.

ann. high and edge of mesa bears N and S.
Begin steep descent over stony land
leave scattering cedars.
36.00 Foot of descent 200 ft below top of
mesa. thence over rolling land
soil clay and gravelly.
40.02 a Sandstone 16x8x6 ins., 11 ins. in
ground for 1/4 Sec. cor. marked 1/4 S.
on N. face and raise a mound of
stone 2 ft base 1 1/2 ft high N. of cor.
Pits impracticable. begin ~~ascend~~
80.04 The cor. of secs. 21. 22. 27 and 28
Land mountainous.
Soil sandy, clay, and stony. 1st 3rd and 4th
pale.
Timber. cedar scattering 40.00 chs.
Mountainous land. 80.04 chs.
Feb. 13. 1899.

Feb. 14. 1899.
At 8 a. m. l. m. t., We set off
7° 17' N. on the lat. arc; 12° 55' S. on
decl arc: and determine a true
meridian with the solar at the cor.
of secs. 21. 22. 27 and 28,
Thence We run
N. 0° 2' W. bet. secs. 21. and 22.
Ascending over rolling land soil gravelly
40.00 Sandstone 14x10x5 ins., 10 ins.
the ground for 1/4 sec. cor. marked
1/4 S. on W. face and raise a mound
of stone 2 ft. base 1 1/2 ft high W. of cor
Pits impracticable
70.00 Begin steep descent
74.50 Bottom of ravine 100 ft deep course
begin steep ascent
78.90 Top of ascent Thence over rolling
mesa
80.00 Sandstone 18x8x6 ins, 12 ins.
the ground for cor. of secs. 15. 16.
21 and 22. marked 40 S. on N. & ~~S.~~ and

Subdivision of T. 40 S., R. 25 E. Continued.

chains | 25 E. on S.E. faces, with 3 notches on S. and E. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
Land mountainous.
Soil gravelly: 2nd rate.
No timber.
Mountainous land. 80.00 chs.

N. 89°58' 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 4 chs. N. of the cor of secs. 14, 15, 22 and 23.
Thence West
West on a true line bet. secs. 15 and 22.
Begin steep ascent over stony soil
1.00 Top of ascent 50 ft above sec cor and edge of mesa bears N.E. and S.W.
Thence over rolling mesa soil sandy
24.00 Top of precipitous broken sandstone ledges and boulders and edge of mesa bears N. and S. precipitous descent
33.75 Foot of precipitous descent 200 ft below top of mesa Thence over rolling land
40.00 Set a sandstone 14 x 8 x 6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1½ ft high N. of cor. Pits impracticable.
50.00 Foot of precipitous ascent over broken sandstone ledges and boulders
60.00 Top of precipitous ascent and edge of mesa bears N.E. and S.W.
Thence over rolling mesa soil sandy
80.00 The cor. of secs. 15, 16, 21, and 22
Land mountainous.
Soil sandy and stony: 1st and 4th.

Subdivision of T. 40 S., R. 20 E. - continued

Chains rate.
No timber
Mountainous land, 80.00 chs.
Feb. 14, 1899. At this cor. We set off 12° 52' S. on the decl. arc; and at 12 hrs. 14 m., l. m. t., observe the sun on the meridian the resulting lat. is 37° 18' N.

No° 2' W. bet. secs. 15 and 16
Ascending over stony land
4.00 Top of ledges 10 ft. high, bears E. and W.
Thence over rolling land through scattering cedars
8.00 Leave cedars, enter dense artemisia
40.00 Set a candelabra 14x10x5 ins., 10 ins in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Thence over rolling mesa soil sandy.
80.00 Set a candelabra 14x10x6 ins., 10 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 and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
Land mountainous
Soil sandy: 1st rate
Timber. cedar scattering.
Mountainous land. 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 3 chs. S. of the cor. of secs. 10, 11, 14, and 15:
Thence We run
S. 89° 59' W. on a true line bet. secs. 10

Chains and 15.
Ascending over broken sandstone ledges, and boulders.
8.00 Top of ascent 50 ft. above sec. cor. and edge of mesa bears N. and S.
Thence over rolling sandy mesa through dense artimesa.
40.00 Set a sandstone 16 x 8 x 6 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable.
70.00 Enter scattering cedars. Descending
76.00 Leave scattering cedars.
= 80.00 The cor. of secs. 9. 10. 15 and 16.
Land mountainous.
Soil sandy; 1st rate.
Timber cedar scattering.
Mountainous land. 80.00 chs.
Feb. 14. 1899.

Feb. 15. 1899.
At 8 a.m. l.m.t. We set off 37° 19' N. on the lat. arc; 12° 33' S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 9. 10. 15 and 16.
Thence We run
N. 0° 2' W. bet. secs. 9 and 10
Over rolling mesa soil sandy through dense artimesa
20.00 Top of broken sandstone ledges and boulders 50 ft. high and edge of mesa bears N.E. and S.W. begin precipitous descent over ledges and boulders
24.00 Foot of precipitous descent 200 ft. below edge of mesa. Thence over rolling land soil sandy and gravelly.
40.00 Set a sandstone 14 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S.; on W. face and raise a mound

Subdivision of T. 40 S., R. 25 E. Continued.

Chains of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
Begin gradual ascent over rolling land.

76.00 Begin steep ascent over broken sandstone ledges and boulders

80.00 Top of ledges and edge of mesa 250 ft ft above ¼ sec. cor. bears N.E. and S.W.
Point for sec. cor. falls on solid sandstone on which
We cut a cross for cor. of secs. 3. 4. 9 and 10. marked with 5 notches on S. and 3 notches on E. sides of cross and raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable.
Land mountainous.
Soil sandy and stony. 1st and 4th rate.
No timber.
Mountainous land. 80.00 Chs.

N. 89° 59' E. on a random line bet. secs. 3 and 10.

40.00 Set temp. ¼ sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 2. 3. 10 and 11.
Thence We run
S. 89° 59' W. on a true line bet. secs. 3 and 10
Over rolling mesa through dense artimesa. Soil sandy

18.00 Ravine 50 ft deep course N. ascend over rolling mesa.

40.00 Set a sandstone 16 x 8 x 6 ins., 11 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face, and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable.
Begin descend over rolling mes soil sandy

60.00 Inter scattering cedar

Subdivision of T. 40 S., R. 25 E. Continued

Chains.	
75.00	Top of perpendicular cliffs 50 ft high and edge of mesa bears N.W. and S.E. To pass the cliffs we offset as follows N. 0° 2' W., 4.00 chs. S. 89° 59' W., 5.00 chs. to a point 4.00 chs. N of the cor. of secs. 3. 4. 9 and 10. thence S. 0° 2' E., 4.00 chs. to
80.00	The cor. of secs. 3. 4. 9 and 10. Land mountainous. Soil sandy. 1st rate. Timber cedar scattering. Mountainous land. 80.00 chs. Feb. 15. 1899. At this cor. we set off 12° 31' S. on the decl. arc; and at 12 hrs. 14 m. l. m. t. observe the sun, on the meridian the resulting lat. is 37° 20' N.
	N. 0° 2' W. on a random line bet. secs. 3 and 4.
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect the N. bdy. of the Tp. at the cor. of secs. 3 and 4. Thence we run S. 0° 2' E. on a true line bet. secs. 3 and 4. Ascending over broken sandstone ledges and boulders
10.00	Top of ascent and edge of mesa bears N.W. and S.E. thence over rolling sandy mesa. through dense artimesa.
30.00	Bottom of ravine 50 ft deep course N.W. ascending. through scattering cedars
40.02	Set a sandstone 14 x 12 x 9 ins., 10 ins. in the ground for 1/4 sec cor. in 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
71.50	Top of ridge bears E and W. 200 ft above 1/4 sec. cor. descending over

Subdivision of T. 40 S., R. 25 E., Continued.

Chains	rolling mesa soil sandy
79.00	Leave sandy soil thence over solid sandstone floor. Leave cedars
80.02	The cor. of secs. 3. 4. 9 and 10. Land mountainous. Soil sandy and stony: 1st and 4th rate Timber cedars scattering. Mountainous land. 80.02 chs. Feb. 15. 1899.

Feb. 13. 1899.

At 8 a. m., G. M. T., the sch off 37" 16' N. on the lat. arc: 13° 14' S. on the decl. arc: and determine a true meridian with the polar at the standard cor. of secs. 32 and 33 on the S. bdy. of the Tp. which we established Jan 20, 1899. previously described Thence we run

N. 0° 3' W. bet. secs. 32 and 33.

	Step ascent along the E. side of ravine 250 ft. deep over broken sandstone ledges and boulders
10.00	Top of step ascent. thence over stony land ascending
40.00	Set a sandstone 14 x 10 x 6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
41.00	Top of spur projects W. descend over stony land
54.00	Bottom of ravine 250 ft deep course S. W. ascending over rolling land
80.00	Set a sandstone 18 x 8 x 6 ins., 10 ins. in the ground for cor. of secs. 28. 29. 32 and 33. marked with 1 notch on W. 4 notches on E. edges. and a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits imprac-

Subdivision of T. 40 S., R. 25 E. Continued.

Chains — able.
This cor. stands near bottom of a ravine 100 ft deep S.W. side
Land mountainous.
Soil stony; 4th rate.
No timber.
Mountainous land. 80.00 chs.

ash on a random line bet. secs. 28 and 33.
40.00 et. temp. 1/4 sec cor.
79.96 Intersect N. and S. line at the cor. of secs. 27. 28. 33 and 34.
Thence We run
est on a true line bet secs. 28 and 33.
Over rolling mesa soil sandy and gradually descending
39.98 a sandstone 15 x 10 x 4 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable
This cor. is in bottom of small about 30 ft deep. course S.W. thence over rolling mesa ascending.
5.25 Begin descend rapidly into ravine 100 ft deep.
9.25 Bottom of ravine Course S.E.
Ascend.
79.96 The cor. of secs, 28. 29, 32 and 33.
Land mountainous.
Soil sandy, clay and stony; 1st 3rd and 4 rate.
No timber
Mountainous land. 79.96 chs.
Feb. 13: 1899. At this cor. We set off 13° 12' S. on the decl arc: and at 12 hrs. 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 16' N

Subdivision of T. 40 S., R. 25 E. Continued.

ans. N. 0° 3' W. bet. secs. 28 and 29
Descending
1.50 Bottom of ravine 100 ft deep. course S.E. ascending over broken stony hills
18.00 Top of stony knoll, 200 ft above sec. cor. thence over rolling land soil clay and stony,
40.00 a sandstone 14 x 10 x 6 ins, 10 ins, the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable,
80.00 a sandstone 14 x 10 x 8 ins, 10 ins, the ground for cor. of secs. 20. 21. 28 and 29. marked with 2 notches on S. and 4 notches on E. edges, and a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
Land mountainous
Soil clay and stony: 3rd and 4th rate.
No timber.
Mountainous land. 80.00 chs.

ash on a random line bet. secs. 21 and 28.
40.00 1/4 sec. cor.
79.94 Intersect N. and S. line 4 chs. N. of the cor. of secs. 21, 22, 27 and 28.
Thence we run
N. 89° 58' W. on a true line bet. secs. 21 and 28.
Ascending over sandy and gravelly land
8.00 Begin descend over rolling land soil gravelly.
16.00 Foot of descent thence over rolling land soil clay and gravelly
39.97 a sandstone 14 x 10 x 5 ins, 10 ins

Subdivision of T. 40 S., R 25 E. Continued.

	in the ground for 1/4 sec cor on 1/4 S. on N face and raise a mound of stone 2 ft. base 1 1/2 ft. N. of cor. Pits impracticable
56.00	Wagon road. bears S.E. and N.
79.94	The. cor. of secs. 20. 21. 28 and 29.
	Land. rolling
	Soil clay and gravelly: 2nd and 3rd rate.
	No timber
	Feb. 13. 1899.

Feb. 14. 1899.

At 8 a.m. l.m.t., We set off 37° 17' N. on the lat. arc: 12° 53' S. the decl. arc: and determine a true meridian with the solar at the cor. of secs. 20. 21. 28 and 29.

Thence We run

N. 0° 3' W. bet secs. 20 and 21,

Ascending over rolling land soil stony

13.00	Ravine 30 ft deep course W.
22.75	Wagon road bears S.E. and N.
40.00	Set a sandstone 12 x 10 x 6 ins., 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
50.00	Begin steep ascent over broken sandstone ledges and boulders
58.00	Top of ascent and edge of mesa 300 ft above 1/4 sec cor. bears N.E. and S.W.
	thence over rolling mesa. Soil gravelly.
64.00	A point from which old Indian ruins comprising several houses and the appearance of at one time being a fortification. bears E. about 660 dist. in the head of small ravine. course S.
78.00	Head of ravine 60 ft deep course S.W.
80.00	sandstone 16 x 12 x 5 ins., 11 ins.

Subdivision of T. 40 S., R 25 E. Continued.

Chains.	in the ground for cor. of secs. 16. 17. 20 and 21. Marked with 3 notches on S. and 4 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land mountainous.
	Soil gravelly and stony: 2nd and 4th rate.
	No timber.
	Mountainous land. 80.00 Chs.
	S. 89° 58' E. on a random line bet. secs. 16 and 21
40.00	Set temp. ¼ sec. cor.
80.04	Intersect N. and S. line 5 lks. S. of the cor. of secs. 15. 16. 21 and 22.
	Thence We run
	West, on a true line bet. secs. 16 and 21.
	Over rolling mesa soil sandy. gradually descending
14.50	Begin steep descent over broken sandstone ledges and boulders.
19.00	Bottom of ravine 100 ft. below sec. cor. Course S. E. ascend over stony land
24.50	Top of broken sandstone ledge. and edge of mesa bears N. and S. thence over rolling sandy mesa
40.02	Set a sandstone 14 x 12 x 6 ins., 10 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
80.04	The cor. of secs. 16. 17. 20 and 21.
	Land mountainous.
	Soil sandy and stony; 1st and 4th rate.
	No timber.
	Mountainous land. 80.04 Chs.
	Feb. 14. 1899. At this cor. We set

Subdivision of T. 40 S., R. 25 E. continued.

ains. off 12° 52' S. on the decl. arc: and at 2 hrs 55 m. l. m. t., observe the sun on the meridian. the resulting lat. is 37° 18' N.

N. 0° 3' W. bet. secs. 16 and 17,
Ascending over rolling sandy mesa through scattering cedars.
4.50 Ledges 6 ft high bears E. and W.
Descend
20.26 Top of broken sandstone ledges and boulders. and edge of mesa bears N. E. and S. W. begin steep descent along N. W. side of mesa. bare
40.00 Set a sandstone 14 x 12 x 6 ins., 10 ins, in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable,
63.00 Foot of descent 200 ft. below 1/4 sec cor. thence over rolling sandy land,
80.00 Set a sandstone 14 x 12 x 5 ins., 12 ins, in the ground for cor. of secs. 8. 9. 16 and 17. marked with 4 notches on S. and E. edges, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
Land mountainous.
Soil. sandy and stony: 1st and 4th rate.
Timber cedars scattering,
Mountainous land. 80.00 chs.

East on a random line bet. secs. 9 and 16.
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. line 3 lks. S. of the cor. of secs. 9. 10. 15 and 16
Thence We run
S. 89° 59' W. on a true line bet. secs. 9 and 16.

Subdivision of T. 40 S., R 25 E. Continued.

chains. Descending over rolling sandy mesa
scattering cedars
7.75 Top of broken sandstone cliffs and
boulders 150 ft high and edge of
mesa bears N. and S. begin precipitous
descent over broken sandstone ledges
and boulders. leave scattering cedar
8.50 Foot of precipitous descent. thence
over level land soil sandy.
40.00 to a sandstone 14 x 8 x 6 ins., 10 ins.
in the ground for 1/4 sec. cor. marked
1/4 S. on N. face and raise a
of stone 2 ft. base 1 1/2 ft. high. N of cor.
Pits impracticable.
80.00 The cor. of secs. 8. 9. 16 and 17.
8.50/7.50 Land level and mountainous.
Sandy: 1st rate.
Timber cedar scattering.
Mountainous land. 8.50 chs
Feb. 14. 1899.

Feb. 15. 1899.
At 8 a.m. L.m.t., We set off
7° 19' N. on the lat. arc: 12° 22' S. on
the decl. arc: and determine a true
meridian with the solar at the
cor. of secs. 8. 9. 16. and 17.
Thence We run
N. 0° 3' W. bet secs. 8 and 9.
Over rolling land soil sandy. gradual
ascent.
14.00 Foot of steep precipitous ascent over
broken sandstone boulders and ledges
18.00 Top of precipitous ascent 300 ft above
sec. cor. and edge of mesa. bears
and W. thence ascending over
sandy mesa through
dense artemisia
40.00 a sandstone 14 x 10 x 8 ins., 10 ins.
in the ground for 1/4 sec. cor.
marked 1/4 S. on W. face and raise

Subdivision of T. 40 S., R. 25 E. Continued.

Chains.	a mound of stone 2 ft. base 1½ ft. high W of cor. Pits impracticable
62.00	Begin descend over rolling sandy mesa dense artimesa
80.00	Set a sandstone 14 x 10 x 9 ins., 10 ins. in the ground for cor. of secs. 4. 5. 8. and 9 marked with 5 notches on S. and 4 notches on E. edges. and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous. Soil sandy: 1st rate. No timber. Mountainous land. 80.00 chs.
	N. 89° 59' 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 3 chs. N. of the cor. of secs. 3. 4. 9 and 10. Thence We run West. on a true line bet. secs. 4. and 9. Over rolling mesa. Soil sandy. Through dense artimesa
40.00	Set a sandstone 16 x 10 x 4 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a m of stone 2 ft. base 1½ ft. high N. of cor Pits impracticable
68.00	Ravine 40 ft deep course N. Ascend.
80.00	The cor of secs. 4. 5. 8 and 9. Land rolling Soil sandy. No timber. dense artimesa 80.00 chs. Feb. 15, 1899. At this cor. We set off 12° 31' S. on the decl. arc: and at 12 hrs 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 20' N.

Subdivision of T. 40 S., R. 20 E. Continued.

Chains	
	N. 0° 3' W. on a random line bet. secs. 4 and 5;
40.00	Set temp. 1/4 sec. cor.
80.02	Intersect the N. bdy. of the Tp at the cor. of secs. 4 and 5
	Thence We run
	S. 0° 3' E. on a true line bet. secs. 4 and 5,
	Ascending over broken sandstone ledges and boulders
2.00	Top of ledges and boulders 200 ft above sec. cor. and edge of mesa bears E and W. Thence over rolling mesa, soil sandy. through dense artimesa and scattering cedars.
39.90	Bottom of ravine 60 ft deep course N. W. ascend
40.02	Set a sandstone 14 x 12 x 4 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Thence over rolling sandy mesa through dense artimesa ascending.
80.02	The cor. of secs. 4. 5. 8 and 9.
	Land rolling
	Soil sandy: 1st rate.
	No timber: dense artimesa 80.02 chs.
	Feb. 16: 1899.

Feb. 16. 1899.

At 8 a.m. l.m.t. We set off 37° 16' N. on the lat. arc: 12° 12' S. on the decl arc: and determine a true meridian with the solar at the standard cor of secs 31 and 32, on the S. bdy. of the Tp. which We established Jan 20. 1899, previously described

Thence We run

N. 0 3' W. bet. secs. 31 and 32

Ascending over very stony land.

Subdivision of T. 40 S., R. 25 E. Continued.

Chains.	
25.95	Top of ridge bears E. and W. 200 ft above sec. cor. thence over stony and broken land. ascending
40.00	Set a sandstone 14 x 12 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
72.00	Begin descend
80.00	Set a sandstone 18 x 12 x 6 ins., 12 ins. in the ground for cor. of secs. 29. 20 31 and 32. marked with 1 notch on S. and 5 notches on E. edges, and raise a mound of stone 2 ft base 1 1/2 ft. high W of cor. Pits impracticable Land mountainous. Soil stony: 4th rate. No timber. Mountainous land. 80.00 chs.
	Cast on a random line bet secs 29 and 32.
40.00	Set a temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 3 chs. S of the cor. of secs. 28. 29, 32 and 33. Thence W. run S 89° 59' W. on a true line bet secs. 29 and 32. Begin steep ascent over stony land
4.00	Top of steep ascent 100 ft above sec cor. thence over broken stony hills. ascending
39.00	Begin descend over broken stony hills.
40.00	Set a sandstone 16 x 12 x 8 ins., 12 ins in the ground for 1/4 sec. cor. marked 1/4 S. on N. face. and raise a mound of stone 2 ft

Subdivision of T. 40 S., R. 20 E. Continued.

ans. base 1½ft. N. of cor. Pits impracticable

80.00 The cor. of secs. 29, 30, 31 and 32.
Laid mountainous.
stony: 4th rate
No timber.
Mountainous land. 80.00 chs.

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

40.00 Temp. 1/4 sec. cor.

79.95 Intersect the W. bdy of the Tp at the of secs. 25, 30, 31 and 36.
Thence We run
ash. on a true line bet. secs. 30. and 31.
Descending over stony land

9.90 Ravine 40 ft deep course N.
Ascend over broken sandstone ledges and boulders

15.00 Top of ascent and ridge bears N. W. and S.E. thence ascending over rolling mesa. through dense artimesa

39.95 a sandstone 14 x 12 x 9 ins., 10 ins the ground for 1/4 sec. cor. marked 1/4 S. on N. face, and raise a mound of stone 2ft. base 1½ft high N. of cor. Pits impracticable.

79.95 The cor. of secs. 29, 30, 31 and 32
Land mountainous,
Soil sandy and stony: 1st and 4th rate,
No timber
Mountainous land. 79.95 chs.
Feb. 16. 1899. At this cor. We set off 12° 10' S. on the decl arc: and at 12 hrs. 05 m. l. m. t. observe the sun on the meridian the resulting lat is 37° 16' N.

Subdivision of T. 40 S., R. 25 E. - Continued.

Chains.	
	N. 0° 3' W. bet secs. 29 and 30
	Descending over rolling land soil clay and stony
36.00	Ravine 30 ft deep course N.W., ascend over rolling clay and stony hills
40.00	Set a sandstone 14 x 10 x 7 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
61.50	Begin descend
80.00	Bottom of ravine 200 ft below 1/4 sec cor. course S.W.
	Set a sandstone 18 x 8 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. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil clay and stony: 3rd and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	N. 89° 59 E. on a random line bet secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
79.94	Intersect N. and S. line 6 chs. N. of the cor of secs. 20. 21. 28 and 29
	Thence We run
	N. 89° 58' W. on a true line bet. secs. 20 and 29.
	Over rolling land soil stony.
7.00	Head of ravine course W. begin steep descent along the south side
35.00	Junction of a ravine 30 ft deep course N.W. 150 ft. below sec. cor. ascend.
39.97	Set a sandstone 14 x 8 x 4 ins., 10 ins. in the ground for 1/4 sec. cor. m

Subdivision of T.40 S., R. 25 E. Continued.

ans. 1/4 S. on N. face and raise a mound
stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
74.00 Begin descend.
- 79.94 The cor. of secs. 19. 20. 29 and 30.
Land mountainous
stony; 4th rate.
No timber.
Mountainous land. 79.94 chs.

West, on a random line bet secs 19 and
30.
40.00 temp. 1/4 sec cor.
79.87 Intersect the W. bdy. of the Tp. 5 chs
N. of the cor. of secs. 19. 24. 25 and 30.
Thence West
89°58' E. on a true line bet. secs. 19 and 30.
Ascending over rolling land soil
sandy and stony.
5.50 Ledges bearing N and S.
27.00 Top of spur bears N. and S. projects N.
Descend
36.00 stone ledges 20 ft high bears S.E. and N.W.
39.87 Permit for 1/4 sec. cor. falls on sandstone
ledge in place 8 x 5 x 3 ft. on which
West end, a cross for 1/4 sec. cor. marked
1/4 S. on N. and raise a mound
of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
47.00 Bottom of ravine 100 ft deep. Course
ascend over broken stony land
59.85 Begin descend over stony land.
79.87 Bottom of ravine course S.W.
The cor. of secs. 19. 20. 29. and 30.
Land mountainous
Soil stony; 4th rate.
No timber.
Mountainous land. 79.87 chs.
Feb 16 1899

Subdivision of T. 40 S., R. 25 E. Continued.

is. Feby. 17: 1899.
At 8 a.m. l. m. t. We set off 37° 17'
N. on the lat. arc: 11° 51' S. on the
arc: and determine a true meridian
the solar at the cor. of secs. 19.
20. 29 and 30.
Thence We run
N. 0° 3' W. bet. secs. 19 and 20.
Ascending over stony land broken
sandstone ledges and boulders.
11.00 T, of spur bears E. and W. projects E.
over rolling land, descending
31.50 Bottom of ravine 40 ft. deep course
ascend.
40.00 a sandstone 16 x 8 x 6 ins., 11 ins. in
ground for 1/4 sec. cor. marked 1/4
on W. face and raise a mound of
stone, 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable
Thence ascending over rolling land
soil clay and stony.
57.00 Ravine 75 ft. deep. Course S.E.
Ascend.
71.00 Wagon road bears E.
80.00 Set a sandstone 12 x 8 x 7 ins. 8 ins. in
the ground for cor. of secs. 17. 18. 19. and
20. marked with 3 notches on
5 notches on E. edges, and raise a
mound of stone 2 ft. base 1 1/2 ft. high
W. of cor. Pits impracticable
Land mountainous.
Soil clay and stony: 4th rate.
No timber.
Mountainous land. 80.00 chs.

S. 89° 58' 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 14 lks. N. of
the cor. of secs. 16. 17. 20 and 21.

Subdivision of T. 40 S., R 25 E., Continued

Chains. Thence We run
N 89° 52' W. on a true line bet. secs. 17 and 20.
Descending over sandy mesa,
5.00 Begin steep descent over stony land. large broken sandstone boulders
12.00 Begin ascend over rolling land
25.00 Point of stony spur projects S.
Descending
40.00 a sandstone 18 x 8 x 3 ins., 12 ins. in the ground for 1/4 Sec. cor. marked 1/4 on N. face, and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
64.00 Begin steep descent over stony land
68.00 Foot of steep descent. thence over rolling sandy and clay land.
80.00 The cor of secs. 17. 18. 19 and 20
Land mountainous.
Soil sand. clay. and stony: 1st 3rd and 4th rate.
No timber
Mountainous land. 80.00 chs.

S. 89° 58 W. on a random line bet. secs. 18 and 19
40.00 set temp. 1/4 sec. cor.
79.77 Intersect the W. bdy. of the Tp. 19 ers. of the cor. of secs. 13. 18. 19 and 24.
Thence We run
S. 89° 52' E. on a true line bet. secs. 18 and 19
Descending over rolling land.
19.77 Head of ravine course S.
29.75 Ravine 50 ft. deep course S.E.
35.75 Ravine 40 ft deep course S.W.
Ascending over rolling land
39.77 Set a sandstone 14 x 7 x 6 ins., 10 ins. the ground for 1/4 Sec. cor. on 1/4 S. on N. face and raise a

Subdivision of T. 40 S. R 25 E. Continued.

chains	mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
67.43	Wagon road bears N.W. and S.E.
76.75	Head of ravine course N.W.
– 79.77	The cor. of secs. 17. 18. 19 and 20.
	Land mountainous.
	stony: 4th rate.
	No timber.
	Mountainous land. 79.77 chs.
	Feb. 17, 1899: At this cor. We set off 11° 49' S. on the decl. arc: and at 12 hrs. 05 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 18' N.
	N. 0° 3' W. bet. secs. 17 and 18.
	Ascending over rolling land soil clay and stony.
10.50	Ravine 30 ft. deep course W.
38.00	Top of low sand ridge bears N.E. and S.W. descend.
40.00	Set a sandstone 18 x 7 x 6 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on W. face. and raise a mon of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
48.00	Begin ascend over rolling land
56.00	Top of stony knoll
– 80.00	Set a sandstone 16 x 8 x 5 ins., 11 ins. in the ground for cor. of secs. 7. 8. 17 and 18. marked with 4 notches on S. and 5 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil clay and stony: 3 and 4th rate
	No timber.
	Mountainous land. 80.00 chs.
	89° 52' E. on a random line bet. secs. 8 and 17.

Subdivision of T. 40 S., R 25 E. - continued

chs.

40.00 temp. 1/4 Sec. cor.

80.06 Intersect N. and S. line 12 chs S. of cor. of secs. 8. 9. 16 and 17

Thence We run

N. 89° 57' W. on a true line bet. secs. 8 17

over rolling land. soil sandy and gravelly. gradually descending

40.03 Sandstone 14 x 10 x 6 ins., 10 ins. in ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Ascending over rolling land

80.06 The cor. of secs. 7. 8. 17 and 18.

Land rolling.

Soil sandy and gravelly 1st and 2nd rate.

No timber

N. 89° 54 W. on a random line bet. 7 and 18.

40.00 temp. 1/4 sec cor.

79.66 Intersect the W. bdy of the Tp. 14 chs N. of the cor. of secs. 7. 12. 13 and 18.

Thence We run

ash on a true line bet. secs. 7 and 18.

Ascending over rolling land

29.50 Foot of precipitous ascent over broken sandstone ledges and boulders.

32.75 Top of precipitous ascent 300 ft. above sec. cor. and edge of mesa bears N. W. and S. E. Thence over rolling sandy mesa

39.66 Set a sandstone 16 x 9 x 7 ins., 11 ins. in the ground for 1/4 sec. cor. in 1/4 S.; on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Subdivision of 9 to 5, R. 25 E. Continued.

chains	
61.00	Top of broken sandstone ledges and boulders and edge of mesa, bears N.E. and S.W. begin precipitous descent
65.50	Foot of precipitous descent. thence over broken stony land, descending
73.65	Bottom of ravine 60 ft. deep course S.W. ascend
79.66	The cor of secs. 7. 8. 17 and 18,
	Land mountainous.
	Soil sandy and stony: 1st and 2 rate
	No timber
	Mountainous land. 79.66 chs.
	Feb. 17. 1899.

Feb. 18. 1899.

At 8 a.m. l.m.t., We set off 37° 19' N. on the lat arc: 11° 30' S. on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 7. 8. 17 and 18.

Thence We run

N. 0° 3' W. bet secs. 7 and 8.

Descending over stony land.

11.00	Bottom of ravine 60 ft. deep course S.W. begin steep ascent over broken sandstone ledges and boulders
14.90	Top of steep precipitous ascent 300 ft. above sec cor. and edge of mesa, bears N.E. and S.W. thence over rolling sandy mesa, through dense artemisia ascending
40.00	Set a sandstone 16 x 10 x 4 ins, 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
56.00	Top of sandy ridge bears E. and W. Descend.
80.00	Set a sandstone 12 x 10 x 8 ins, 10 ins in the ground for cor of secs. 5. 6.

Subdivision of T. 40 S., R. 25 E. Continued.

hains. 7 and 8. marked with 5 notches on S. and E. edges. and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
Land mountainous.
Soil sandy and stony: 1st and 4th rate.
No timber.
Mountainous land. 80.00 chs.

S. 9°57' E. on a random line bet. secs. 5 and 8.
40.00 temp. ¼ sec. cor.
80.00 Intersect N. and S. line 6 chs. S. of the cor. of secs. 4. 5. 8 and 9
Thence We run
West, on a true line bet. secs. 5 and 8.
Over rolling sandy mesa. through dense artimesa
40.00 to a sandstone 16×10×6 ins., 11 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
78.00 Head of small ravine. course N.E.
80.00 The cor. of secs. 5. 6. 7 and 8.
Land rolling
Soil sandy. 1st rate
No timber dense artimesa. 80.00 chs.

West on a random line. bet. secs. 6 and 7.
40.00 Set temp. ¼ sec. cor.
79.55 Intersect the West bdy. of the Tp. 4 chs. S. of the cor. of secs. 1. 6. 7. and 12.
Thence WE run
S. 89°58' E. on true line bet. secs 6 & 7
Ascending over rolling sandy mesa. through dense artimesa.

Subdivision of T. 40 S., R. 25 E. Continued.

Chains.

31.55 Drain 10. ft deep course S. ascend over rolling sandy mesa

39.55 Set a sandstone 18 x 10 x 6 ins., 10 in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.

Thence ascending over rolling sandy mesa. through dense artemesa.

79.55 The cor. of secs. 5. 6. 7 and 8.

Land rolling.

Soil sandy: 1st rate.

No timber: dense artemesa 79.55 chs.

Feb. 18. 1899: At this cor. We set off 11° 28' S. on the decl. arc: and at 12 hrs. 10 m. l. m. t., observe the sun on the meridian the resulting lat is 37° 20' N.

N. 0° 3' W. on a random line bet. secs 5 and 6.

40.00 Set temp. 1/4 sec. cor.

80.04 Intersect the N. bdy. of the Tp. 3 chs. W. of the cor of secs. 5 and 6.

Thence We run

S. 0° 2' E on a true line bet. secs. 5 and 6.

Begin precipitous ascent over broken sandstone ledges and

5.00 Top of precipitous ascent and ledges 20 ft high 150 ft above sec. cor. bears N.W. and S.E. Thence over rolling land descending

20.00 Ravine. 50 ft deep. course N.W. ascend. over rolling mesa soil sandy. through dense artemesa

40.04 Set a sandstone 20 x 8 x 4 ins., 15 ins. in the ground for 1/4 sec. cor. marked 1/4 S.: on W. face and raise a of stone 2 ft. base 1 1/2 ft. high W. of cor.

Subdivision of T. 40 S. R 25 E. Continued

chains. its impracticable,
Thence over rolling sandy mesa
ascending through dense artimesa
80.04 The cor. of secs. 5. 6. 7 and 8,
Land rolling
Soil sandy; 1st rate
No timber. dense artimesa. 80.04 chs.
Feb. 18. 1899.

General description

This township is rough and mountainous in the southern art. while in the northern portion it is generally comprised of high rolling mesa lands.
The soil ranges from sandy to stony. The entire township affords fine graising and range lands; the lower as well as the high mesa lands growing abund and nutricious grasses.
There is no timber except the cedar which grows on the higher mesa lands and in some loc grows very dense.
In the northwest quarter of sec. 21 there are ancient Aztec or Cliff dwellers ruins, comprising several houses, one of which is 2 or 3 stories high containing numerous apartments. while near this large structure there is two circular buildings. built upon large boulders and having the appearance of being sentry lookouts, fortifications or places of refuge, and only accessable with ladders. All of the buildings are in a fair state of preservation.
There are no settlers in this township.

B0

There are no indications of mine

Hubert D. Page.
James M. Lentz.
U.S. Deputy Surveyors.

Volume

#

R0253

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.*

_____, *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.*

_____, *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 ..... day of ....., 189 , I have well, faithfully, and truly, in my o proper person, and in strict conformity with the instructions furnished by the United States Surve General for ....., the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of .....

.....

.....

.....

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

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

.....

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 February 17th 1

The foregoing field notes of the survey of the Subdivisions Township 40 South Range 25 East of the Salt Lake Base & Meridian, Utah

.....

.....

.....

executed by Hubert D Page & James M. Lentz under ~~his~~ their contract No. 215, dated October 29, 1897, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B Bl

United States Surveyor Gen

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

.....

United States Surveyor Gen

6-151

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4—679.

BOOK A-253

K.T.B.

FIELD NOTES

OF THE re SURVEY OF THE

North Boundary

of

Township 40 South Range 26 East

Of the Salt Lake Base and Meridian,

State of Utah

AS re SURVEYED BY

Hubert D Page & James M Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated October 29 1897 & Nunc pro tunc Spl Inst dated Sept 14 1899, 189

Survey commenced February 19th, 1899

Survey completed " 21st, 1899

6—151

Resuming W. Bdry high 3-00-00 ✓

BOOK A-253

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer	Chaeunian
Peter Allen	"
Harry Erwin	"
Walter A McEwen	"
John R Lumpkin	Woundman
George W Dalton	"
John R Lumpkin	Axeman
George W Dalton	"

For preliminary affidavit see book "B"

6—151

Resurvey – M – A-253

(102)

N – Bdry –
high
M. Chalks –
1 – 00 – 00 ✓
1 – 00 – 00 ✓
1 – 00 – 00 ✓

3 –

✓

Volume

#

R0253

BOOK A-253

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

.....

....., *Chainm*

....., *Chainm*

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

SEAL

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

.....

....., *Mound*

....., *Mound*

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 co
and other duties, according to instructions given us, to the best of our skill and ability, in the surv

.....

....., *Axm*

....., *Axm*

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, i
survey of .....

....., *Flag*

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

SEAL

North boundary of T. 40 S, R. 26 E.

Chains.

Survey commenced Feb 19. 1899 and executed with the instruments described in book. "A".

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 observation on Polaris, we proceed as follows: Feby 19. 1899 At the cor. of Tps. 39 and 40 S. Rs. 25 and 26 E. set by us Feby 5th 1899.

We set off 37°21' N. on lat. arc; 11° 02' S. on decl. arc; and at 4. p.m. l.m.t., determine a true meridian, and mark the point thereof, on a stone firmly set in the ground 5 chs. N. of the cor.

At 9h 17m p.m. l.m.t., we observe Polaris at Western elongation in accordance with the manual of instructions, and mark a point in the line thus determined, on a plug driven in the ground 5 chs. N. of the cor.

Feb 19. 1899

Feb 20. 1899 At 7 a.m. l.m.t., we lay off the Azimuth of Polaris 1°33' to the E. and mark the True Meridian thus determined, by cutting a small groove in the stone set last night.
On which the True Meridian falls, 0.20"

North boundary of T. 40 S., R. 26 E., continued

Chains.

ins. East of the mark determined by the solar.
Feb 20. 1899 at 8 a.m., l.m.t., We set off 37°21' N. on the lat. arc; 10° 48' S. on decl. arc; and mark a point in the true meridian determined with the solar, by a cross on the stone already set 5 chs. N. of the c.o.r. this falls 0.20 ins East of the true meridian established by Polaris observation.

The solar apparatus, by p.m. 2nd a.m. observations defines position for true meridian about 0' 16" East and West of the meridian established by the Polaris observation.

Therefore, We conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is N. 14° 1' W. the angle thus determined reduced by the table page 100, gives the mean mag. decl., 14° 08' E.

From the cor.
already described
We run
East bet. secs. 6 and 31.
Descending over rolling land,
3.50 Ravine 50 ft. deep. Course S. W.
ascend,
24.00 Sandstone ledges bear N. and S.
40.00 Set a sand stone 16 x 7 x 4 ins. 11 in the ground, for 1/4 sec. Cor. marked 1/4 S. on N. face.

boundary of T. 40 S., R. 26 E., continued.

chains

a mound of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable destroyed old cor. See S. Book "U."
42.00 Begin steep descent over broken ledges, bears N. and S.
55.00 Bottom of steep slope. leave ledges. through dense artimesia
65.50 Indian trail bears N. W. and S. E.
80.00 Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for cor. to secs. 5, 6, 31 and 32. Marked 1 notch on the W. and 5 notches on the E. edges. raised a mound of stone W. base, 1½ ft. high W. of cor.
Pits impracticable destroyed old cor. See S. Book "U."
Land, mountainous
Soil, sandy and stony 2nd and 3rd rate.
No timber.
Mountainous land, & dense under growth. 80.00 chs.

East bet. secs. 5 and 32.
Ascending.
3.00 Begin steep ascent over broken sand stone ledges. bears N. and S.
4.00 Top of steep ascent leave ledges, enter dense artimesia.
8.00 Begin steep descent
25.50 Bottom of ravine 100 ft deep course S. ascend
35.00 Sand stone ledges, bears N. and S.
40.00 Set a sand stone 18 x 8 x 3 ins. 12 ins. in the ground. for 1/4 sec. cor. marked 1/4 S. on W. face.
a mound of stone 2 ft base 1½ ft high N.

North boundary of T. 40 S. R. 26 E. continued.

chains	
	of cor. Pits impracticable, destroyed old cor. See page 1 Book "A" ascend.
60.00	Drain. Course S.
75.00	Top of ridge, bears N. W. and S. E. descend.
80.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground, for 6 Cor to secs. 4, 5, 32 and 33, marked with 2 notches on the N. and 4 notches on the E. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable, destroyed old cor. See p. 1
	Sand, mountainous
	Soil, sandy & stony 1st and 3rd rate.
	No timber
	Mountainous land 80.00 chs.
	Feby 20. 1899 At this cor. We set off 10° 45' S. on the decl. arc, and at 12 h 10 m. observed the sun on the meridian, the resulting lat. is 37° 21' N.
	East bet. secs. 4 and 33.
	Over rolling mesa
	through dense artimesa
34.00	Top of ridge bears N. and S.
40.00	Set a sand stone 22 x 10 x 3 ins. in a mound of stone and earth, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable destroyed old cor. See p. 1 Book "A"
48.00	Enter scattering cedar.
54.00	Leave dense artimesa, cedar, and descend over broken sandstone ledge, bears N. W. and S. E. A vein of coal underlays this

way.

North boundary of T. 40 S., R. 26 E. concluded.

Chains.

ridge.

64.00 Foot of slope, 400 ft. below top bears N. W. and S. E.

Over rolling land.

80.00 Falls in bend of wash, drains on N. W. to N. E. banks 2½ ft., this point is subject to odes, therefore we set cor. at a point 15 lks. S.

Set a sand stone 14 x 12 x 4 ins. 10 ins. in the ground, for witness cor. to Secs. 3, 4, 33 and 34.

Marked W. C. on N. E. face with 3 notches on the E. and W. edges, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Pits impracticable.

Destroyed old cor. see statement Page 1. Book "A".

Land, mountainous.

Soil, sandy and stony, 1st and 3rd rate scattering cedar.

Mountainous land 80.00 chs.

Feb. 20th 1899.

For General discription see Subdivision of this township.

Hubert D. Page,
James M. Lentz
U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by ..... United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of .....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all those parts or portions of the ..... of the ..... meridian, ... of ....., which are represented 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.

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, February 17th 1900, 189

The foregoing field notes of the survey of the North Boundary of Township Fifth Range 26 East of the Salt Lake Base and Meridian, Utah

executed by Herbert S. Page and James M. Lentz under his contract No. 215, dated October 29th, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Bell

United States Surveyor General

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

.....

United States Surveyor General

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4—679.

BOOK A-253

FIELD NOTES

K.J.B.

OF THE SURVEY OF THE

North Boundary

of

Township 40 South Range 26 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Hubert D. Page & James M. Lentz, United States Deputy Surveyors

under ~~his~~ their Contract No. 215, dated October 29th, 1897

urvey commenced February 20th, 1899

urvey completed February 20th, 1899

6—151

N. Bdry - high m. Cho Cko - 60.25 ✓

1/2 closings - 5.60 ✓

BOOK A-253

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer	Chairman
Peter Allen	"
Harry Erwin	"
Walter O. McCuen	"
John R. Lumpkin	Moundman
George W. Dalton	"
John R. Lumpkin	Axeman
George W. Dalton	"

[illegible]

6—151

BOOK A-253

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.....

C—151

BOOK A-2[illegible]

PRELIMINARY OATHS OF ASSISTANTS.

We, Peter Meyer, Peter Allen, Harry Erwin, and Walter O. McCuen 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 [illegible] & the North Boundary of T. 40 S. R. 26 E. of the Salt Lake Base & Meridian [illegible]

[illegible], Chainman

Harry Erwin, Walter O. McCuen, Chainman

Subscribed and sworn to before me this [illegible] day of [illegible], 189[illegible]

Hubert D. Page
U.S. Deputy Surveyor

SEAL

We, John R. Lumpkin and George N. Dalton 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 [illegible] & the N. Bdy of T. 40 S. R. 26 E. of the Salt Lake Base & Meridian [illegible]

[illegible], Moundman

George N. Dalton, Moundman

Subscribed and sworn to before me this [illegible] day of [illegible], 189[illegible]

Hubert D. Page
U.S. Deputy Surveyor

SEAL

We, John R. Lumpkin and George N. Dalton 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 [illegible] & the North Bdy. T. 40 S. R. 26 E. of the Salt Lake Base & Meridian [illegible]

[illegible], Axman.

George N. Dalton, Axman.

Subscribed and sworn to before me this [illegible] day of [illegible], 1898

Hubert D. Page
U.S. Deputy Surveyor

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 boundary of T. 40 S., R. 26 E.

Survey commenced Feb. 21st 1899.
and executed with the instrumen
described in book "A"
We know the instrument
to be in adjustment by
observation on Polaris.
and test recorded on Page 1
book M.

East bet. secs. 3 and 34.
Over broken hills.

22.00 Wagon road bears N. and S.
35.00 Bottom of ravine 40 ft. deep.
course S.
38.75 Wagon road bears N. and S.
40.00 Set a sand stone 16x6x6 ins.
11 ins. in the ground for 1/4 sec.
cor. Marked 1/4 S. on N. face.
raised a mound of stone
2 ft. base, 1½ ft. high N.
of cor.
Pits impracticable.

46.00 Begin steep ascent. bears N. and
S.

60.25 Near sand stone ledges, bear
N. and S. Intersect Utah, Colorado
Boundary 5.60 chs. S. of the 24th
mile cor. which we identify
by mound of stone, and
indistinct marks on ledge,
We rebuild cor. by setting
a sand stone 18x10x6 ins. in
a mound of stone for 24
mile cor. Marked 24M on S.
C. on E., U. on W. faces. raise
a mound of stone 2 ft. base
1½ ft. high S. of cor.

North boundary of T. 40 S., R. 26 E., concluded.

Chains

Pits impracticable.

Set a sand stone 18 x 6 x 7 ins. in a mound of stone for Closing Cor. to fracl. secs. 3 and 34.
Marked C. on E. C.C. U-26 E with 6 grooves on N. 40 S. with 6 grooves on S. 39 S. with 6 grooves on N. faces.
raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor.
Pits impracticable.
Land, mountainous
Soil, sandy and stony 2nd and 4th rate.
No timber
Mountainous land 60.25 chs.

Feb. 20th 1899.

For General description see ook of subdivisions of this township.

Latitude, departure and Closing errors.

Line designated.	True bearing.	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
8th Standard Parallel South.	East	300.98			300.98	
Utah Colorado bdy.	North	481.21	481.21			
N. bdy. T. 40 S., R. 26 E.	West	300.25				300.25
E. bdy. T. 40 S., R. 25 E.	South.	480.00		480.00		
Convergency						35
totals			481.21	480.00	300.98	300.6
			480.00		300.60	
Error and Lat. and departure			1.21		.38	

Hubert D. Page,
James M. Lentz
U.S. Deputy Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

pages 1 and 125 are blank.

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, February 17th 1890

The foregoing field notes of the survey of the North Boundary of Tp 40 South Range 26 East of the Salt Lake Base & Meridian Utah

executed by Hubert D Page and James M Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B

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

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4—679.

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions

of

Township No. 40 South.

Range No. 26 East.

Of the Salt Lake Base and Meridian,

In the State of Utah.

AS SURVEYED BY

Albert D. Page and James M Kentz, United States Deputy Surveyors

under ~~his~~ their Contract No. 215, dated Oct 29th, 1897

Survey commenced Feb. 21st, 1899

Survey completed Feb. 27th, 1899

6—151

Subs. [illegible] 30-45-87 ✓

" [illegible] 6-15-47 ✓

Chicago 30-24 ✓

BOOK A-253

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer, Chainman.
Peter Allen "
Harry Erwin "
Walter O McEwen, "
John R Lumpkin, Moundman
George W. Dalton. "
John R Lumpkin axman
George W. Dalton. "

Fa preliminary affidavits see book "D"

6—151

BOOK A-253

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 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

Subdivision of T. 40 S., R. 26 E. Continued

Survey commenced Feb 21. 1899. and executed with the instruments described in "Book D"

Then to test the solar apparatus by comparing their indications, resulting from solar observations made during a. m. and p. m. hours with a true meridian determined by observations on Polaris. We proceed as follows:

At the standard cor. of secs. 31 and 32 on the S. bdy. of T. 40 S. R 26 E.: Latitude 37° 16' N.: Longitude 109° 11' W.; We set off 37° 16' N. on the lat. arc: 10° 19' S. on the decl arc: and at 4 p. m. l. m. t., determine with the solar, with one of the instruments a true meridian and mark a point thereof, on a pl firmly set in the ground 5 chs. N. of the cor.

With the second instrument placed over the same initial point. We set off 37 16' N. on the lat arc: 10° 19 S. on the decl. arc: and at 4 hr 10 m p. m. l. m. t., determine, with the solar a true meridian and mark a point thereof on the stone already set 5 chs. N. of our station. This point falls identical with that of the 1st instrument.

At 9 hr 09 m p. m. We observe Polaris at western elongation with the 1st instrument in accordance with Manual of Instructions and mark a point in the line thus determined on a plug driven in the ground 5 chs. of our station

Feb 21st 1899.

Feb 22nd 1899: At 7 hr 30 m a. m. l. m. t., We lay off the azimuth of Polaris 1° 33' to the east. the true meridian thus determined falls on the mark

Subdivision of T. 40 S., R. 26 E. Continued.

ains. set by p. m. solar observations of both instruments Feb. 21, 1899.

At 8 a. m. l. m. t., WE set off 37°16' N. on the lat arc: 10°04' S. on the decl arc: of the 1st instrument and determine a true meridian with the solar which f on the mark set on the true meridian established by the Polaris observations.

At 8 hrs 10 m a. m. l. m. t., WE set off 37°16' N. on the lat arc: 10°04' S. on the decl arc: of the second instrument and determine a true meridian with the solar. which falls on the mark set the true meridian established by the Polaris observations.

The solar apparatus of each instrument by p. m. and a. m. observations defines positions for true meridians. Therefore We conclude that the of the instruments are s actory.

The magnetic bearing of the true meridian at 8 a.m. is N. 14°16' W.; the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl. 14°14' E.;

commence at the standard cor. of secs. 31 and 32 on the S. bdy. of T. 40 S. R. 26 E. which we established Jan 21, 1899. previously described.

Thence WE run

N 0°1' E. bet. secs. 31 and 32.

Descending over sandy soil. dense

1.75 eft bank of McElmo wash 10 ft high and creek 15 lks. wide. course W. along

28.25 Right bank of McElmo wash bank 6 ft. high ~~bearing N.E. and S.E.~~ leave artimes

36.10 Right bank of McElmo wash and creek 15 lks. wide course S.E. leave thence along wash.

Subdivision of T. 40 S., R 26 E. Continued.

chns	
40.00	Set a sandstone 16 x 12 x 8 ins. 11 ins. in the ground for 1/4 sec cor. marked 1/4 S. 31 on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
42.25	Left bank of McElmo wash 6 ft high bears S.E. and N.W. enter artimesia.
59.00	Left bank of McElmo wash 6 ft. high bears S.W. and N.E. leave artimesia
64.00	Right bank of McElmo wash and creek 15 lks. wide course S.W. begin precipitous ascent over stony land.
69.50	Top of ascent 200 ft above creek. thence over gravelly land, gradually ascending.
80.00	Set a sandstone 16 x 10 x 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. and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable.
	Land level and mountainous.
	Soil sandy loam and gravelly; 1st and 2nd rate;
	No timber. dense artimesia 52.85 chs;
	Mountainous land, 16.00 chs.

	Mch. on a random line bet secs. 30 and 31.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. bdy. of Tp. 3 chs. W. of the cor. of secs. 25. 30. 31 and 36.
	Thence W. c run
	N. 89° 59' E. on a true line bet. secs. 30 and 31
	Over rolling land. soil stony, ascending
21.00	Begin steep ascent over broken sandstone ledges and boulders.
25.00	Top of ridge 200 ft above sec. cor. bears N. and S. descend over stony land,
32.00	Bottom of gulch 100 ft deep course N.E.
	Ascend,
40.02	Set a sandstone 15 x 9 x 8 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 S. 30 on N. face and raise a

Subdivision of T. 40 S., R 26 E. Continued.

ans. mound of stone 2 ft base 1 1/2 ft
N. of cor. Pits impracticable
50.00 1 of stony spur 150 ft above 1/4 sec. cor.
N.E. descend over broken
and boulders.
69.00 Bottom of gulch, dry wash in
bottom. 200 ft deep Course S. begin
ascent
72.0 Top of ascent, thence over rolling
stony land gradually ascending
80.04 The cor. of secs. 29, 30, 31 and 32.
Land mountainous.
stony; 4th rate;
No timber
Mountainous land. 80.04 chs.
Feb. 22, 1899: At this cor We set off
10°02' S. on the decl arc; and at
12 hrs 10 m. l. m. t. observe the sun
on the meridian the resulting lat.
is 37°16' N.

N. 0° 1' E. bet. secs. 29 and 30
Ascending over rolling land soil

4.25 Top of ridge bears S.W. and N.E. descend
12.25 Bottom of gulch 150 ft deep course W.
gin steep ascent over ledges and
boulders
20.00 Top of stony knoll. descend
23.5 Bottom of gulch 150 ft. deep course S.W.
ascend.
29.4 Top of spur bears N.E. and S.W. projects
S.W. descend.
39.0 Bottom of gulch 70 ft deep course W.
ascend.
40.00 Set a sandstone 16 x 8 x 6 ins. 11 ins.
in the ground for 1/4 sec cor. marked
1/4 S. on W. face and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
5.00 Spur projects N.E. about 10 chs.

Subdivision of T. 40 S., R. 26 E. Continued.

Chains. Descend
49.50 Gulch or wash 40 ft. deep course N.E.
Ascend over stony and clay land
65.00 Spur bears N.E. and S.W. projects S.
W. about 12 chs. descend over
rolling land soil gravelly
80.00 Set a sandstone 14 x 10 x 8 ins., 10 ins.
the ground for cor. of secs. 19. 20
29 and 30 marked with 2 notches
on S and 5 notches on E. edges and
raise a mound of stone 2 ft. base
1½ ft. high W. of cor. Pits impracticable
Land mountainous.
Soil stony and gravelly 3rd and 4th rate
Mountainous land. 80.00 chs.

.89° 59' W. on a random line bet. secs.
19 and 30.
40.00 temp. ¼ sec. cor.
79.96 Intersect the W. bdy. of the Tp. 5 chs.
of the cor. of secs. 19. 24. 25 and
30.
Thence we run
.89° 59' E. on a true line bet. secs. 19
and 30.
Descending over clay and stony soil
land rolling
39.98 Set a sandstone 16 x 10 x 6 ins., 11 ins.
the ground for ¼ sec. cor.
marked ¼ S. on N face and raise
mound of stone 2 ft. base 1½ ft.
high N. of cor. Pits impracticable
78.00 Bottom of gulch 40 ft deep course
S.W. begin steep ascent
79.96 The cor. of secs. 19. 20. 29 and 30
Land mountainous
clay and stony: 3rd and 4th rate.
No timber
Mountainous land. 79.96 chs.
Feb. 22. 1899.

Subdivision of T. 40 S., R. 26 E. Continued.

Chains	Feb. 23. 1899.
	At 8 a.m. l.m.t., We set off 37° 17' N. on the lat. arc: 9° 42' S. on the decl. arc: and determine, a true meridian with the solar at the cor. of secs. 19. 20. 29 and 30.
	Thence We run
	No 1 E. bet. secs. 19 and 20.
	Descending over stony rolling land
40.00	Gulch 20 ft deep course S.W.
	Ascending over clay and stony soil land rolling
39.00	Ravine or wash 20 ft wide 20 ft deep course SE.
40.00	Set a sandstone 14 x 10 x 7 ins., 10 ins. in the ground for 1/4 sec cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable
	Thence over rolling land. ascending.
58.50	Wagon road bet Bluff City and Colorado bears E. and W.
80.00	Set a sandstone 16 x 8 x 8 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 and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable.
	Land rolling
	Soil clay and stony: 3rd and 4th rate
	No timber.
	N. 89° 59 W. on a random line bet. secs. 18 and 19.
40.00	Set temp. 1/4 sec cor.
80.00	Intersect the W. bdy. of the Rp 3 chs. N. of the cor. of secs. 13. 18. 19 and 24.
	Thence We run
	East on a true line bet. secs. 18 and 19
	Descending over rolling land. soil clay and gravelly

Subdivision of T. 40 S., R. 26 E. Continued.

Chains.

40.00 Sandstone 16 x 8 x 6 ins., 11 ins., in the ground for 1/4 Sec. cor. marked 1/4 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

79.90 Wash 6 ft deep 6 ft wide course S.

80.00 The cor. of secs. 17. 18. 19 and 20.

Land rolling

Soil clay and gravelly 3rd rate.

No timber.

Feb 23. 1899, At this cor. We set off 9° 40' S. on the decl. arc: and at 12 hrs. 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 7° 18' N.

No 1 E. bet. secs. 17 and 18.

Ascending over nearly level land soil ay and gravelly.

0.15 Wash 6 ft. deep 6 ft. wide course S.W.

40.00 Set a sandstone 12 x 8 x 5 ins, 8 ins, the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft high W. of cor. Pits impracticable

80.00 sandstone 18 x 14 x 3 ins., 12 ins. the ground for cor. of secs. 7. 8. 17 and 18 marked with 4 notches on S. and 5 notches on E. edge, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable

Land level.

Soil clay and gravelly; 3rd rate.

No timber.

West on a random line bet. secs. 7 and 18.

40.00 temp. 1/4 sec. cor.

Subdivision of T. 40 S., R. 26 E. Continued

chs
80.00 Intersect the W. bdy. of the Tp. at cor. of secs. 7, 12, 13 and 18.

Thence We run
East on a true line bet. secs. 7 and 18
Descending over broken stony land through scattering cedars.

20.00 Leave scattering cedars. thence over nearly level land soil clay and gravelly.

40.00 Set a sandstone 18 x 16 x 3 ins., 12 ins. the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone. 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

80.00 The cor. of secs. 7, 8, 17 and 18.
Land level and mountainous.
Soil clay. and stony: 3rd and 4th rate.
Timber cedar scattering. 20.00 chs
Mountainous land. 20.00 chs

Feb. 23. 1899.

Feb. 24. 1899:
At 8 a. m. l. m. t., We set off 3° 19' N. on the lat. arc: 9° 20' S. on the decl. arc: and determine a true meridian with the solar, at the cor. of secs. 7, 8, 17 and 18.

Thence We run
N. 0° 1' E. bet. secs. 7 and 8.
Gradual ascent over nearly level land soil, clay and gravelly

40.00 Set a sandstone 18 x 16 x 3 ins., 12 ins. in the ground for 1/4 sec. cor. m. 1/4 S. on W. face., and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

65.00 Enter; dense, artimesa thence over sandy soil.

80.00 Set a sandstone 15 x 10 x 6 ins., 10 ins. in the ground for cor. of secs 5, 6, 7

15.00
15.00

Subdivision of T. 40 S., R. 26 E., continued.

Chains. and S. marked with 5 notches on S.
E. edges, and raise a mound of
2 ft. base 1½ ft. high W. of cor.
Pits impracticable
Land level,
sandy and clay. 1st and 3rd rate.
No timber. dense artemisia. 15.00 chs.

West on a random line bet. secs. 6
7.
40.00 temp. ¼ sec. cor.
80.05 Intersect the W. bdy. of the Rp. 6 lks.
N. of the cor. of secs. 1. 6. 7 and 12.
Thence We run
N. 89° 57' E. on a true line bet. secs. 6
7.
Descending over broken sandstone
ledges and boulders
10.00. Leave ledges and boulders. thence
over rolling land descending
40.02½ Set a sandstone 18 x 8 x 5 ins., 12 ins.
in the ground for ¼ sec. cor. m
¼ S. on N. face and raise a m
of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
41.00 Bottom of ravine 200 ft. below
sec cor. 20 ft. deep course S. ascend
60.00 over dense artemisia. soil sandy
65.00 Begin descend over rolling land
80.05 the cor of secs. 5. 6. 7 and 8.
Land mountainous
sandy and stony: 1st and 4th rate
No timber
Mountainous land. 80.05 chs.
Feb. 24. 1899. At this cor. We set off
9° 17' S. on the decl. arc and at
12 hrs. 13 m. l. m. t. observe the sun
on the meridian the resulting lat.
37° 20' N.

Subdivision of T.40 S. R.26 E. Continued.

Chains	
	N. 0° 1' E. on a random line bet. secs. 5 and 6.
40.00	Set temp. 1/4 sec. cor.
40.09	Intersect the N. bdy of the Tp at the cor. of secs. 5. 6. 31 & 32 heretofore described. Thence We run S. 0° 1' W. on a true line bet. secs. 5 6.
	Descending along the W side of mesa or high ridge over stony broken land
38.00	Leave stony land. enter dense artimesia soil sandy clay
40.09	Set a sandstone 15 x 7 x 6 ins., 10 ins. in the ground for 1/4 sec cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Begin ascend over rolling land through dense artimesia soil sandy
55.00	Top of low ridge bears S.E. and N.W.
	Descend.
80.09	The cor. of secs. 5. 6. 7 and 8.
	Land mountainous.
	Soil sandy and stony; 1st and 4th rate
	No timber
	Mountainous land. 80.09 chs.
	Feb. 24. 1899.

Feb. 22. 1899.

At 8hr 30m a. m. l. m. t., We set off 37° 16' N. on the lat. arc: 10° 04' S. on the decl. arc: and determine a true meridian at the standard cor. of secs. 32 and 33. on the S. bdy of T.40 S. R26 E which We established Jan 21, 1899, previously described

Thence We run N. 0° 1' E bet. secs. 32 and 33.

Ascending over stony land soil clay

30.00 Spur bears E and W. projects W.

Descending over very broken and

Subdivision of T. 40 S., R. 26 E. Continued

Chains	
	Stony hills
40.00	Set a sandstone 12 x 10 x 8 ins., 10 ins. in the ground for 1/4 Sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
64.00	Ravine or Gulch 300 ft below 1/4 Sec. cor. course W. begin steep accent over clay and stony land.
80.00	Set a sandstone 16 x 10 x 5 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 and raise a mound of stone 2 ft. base 1½ ft high. W. of cor. Pits impracticable
	Land mountainous
	Soil clay and stony: 3rd and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	West on a random line bet. secs. 29 and 32
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 3 chs. N. of the of secs. 29. 30. 31 and 32.
	Thence We run
	N. 89° 59' E. on a true line bet. secs. 29 32.
	Descending over rolling land soil ay and gravelly.
10.00	Gulch 100 ft deep course S. heads about 6 chs N. Ground
20.00	Begin steep descent into McElmo Wash
25.65	Righ bank of McElmo wash 12 ft high bears S.W. and N.E.
25.75	McElmo creek 15 chs wide course
37.00	Left bank of McElmo wash 4 ft. high

bears S.W. and N.E., thence over sandy land through dense artimesa

40.00 Set a sandstone 16x10x5 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2ft. base 1½ft. high N. of cor. Pits impracticable.

42.00 Cash McElmo wash 4ft. deep 10ft. wide course S.W.

43.50 Cash McElmo wash 4ft. deep 10ft. wide course N.W.

45.00 Begin steep ascent leave sandy soil and dense artimesa

46.00 Ledges 20ft. high bears N.W. and S.E.

48.00 Leave ledges ascending

65.00 Top of spur bears N. and S. projects S. Descend

72.00 Bottom of ravine 100ft. deep course S. ascend

80.00 The cor. of secs. 28, 29, 32 and 33

Land mountainous.

Soil sandy, clay and stony: 1st and 4th rate.

No timber

Mountainous land. 80.00 chs.

Feb. 22, 1899: At this cor. We set off 10°02' S. on the decl. arc: and at 12hrs 14m. l. m. t. observe the sun on the meridian the resulting lat. is 37°16' N.

N. 0°1' E. bet secs. 28 and 29,

Ascending over stony land along the W side of ridge

20.00 Top of ridge bears E. and W. 300ft. above sec. cor. descending along the West side of ridge

40.00 Set a sandstone 18x8x6 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4, on W. face and raise a mound of stone 2ft. base 1½ft. high W. of cor. Pits impracticable

Subdivision of T. 40 S., R. 26 E. Continued

Chains	
72.50	Top of spur bears E and W. projects W. about 4 chs. begin precipitous descent over broken ledges and boulders 75 ft above McElmo wash
73.50	Left bank of McElmo wash 10 ft high bears E and W.
73.75	McElmo creek 15 lks wide course W.
75.00	Right bank of McElmo wash 6 ft. high bears E and W. enter dense artimisia. soil sandy.
80.00	Set a sandstone 16 x 16 x 5 ins., 11 ins. in the ground for cor. of secs. 20, 21, 28 and 29. marked with 2 notches on S. and 4 notches on E. edge, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil sandy and stony: 1st and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	S. 89° 59' W. on a random line bet. secs. 20 and 29.
40.00	Set temp. ¼ sec. cor.
79.94	Intersect N. and S. line 5 lks. S. of the cor. of secs. 19, 20, 29 and 30
	Thence we run
	S. 89° 59' E. on a true line bet. secs. 20 and 29.
	Ascending over rolling land soil gravelly
39.97	Set a sandstone 16 x 8 x 6 ins. 10 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
55.00	Begin descend
63.35	Begin steep precipitous descent

chains.	along the S side of ridge over broken sandstone boulders into McElmo wash.
72.00	Foot of precipitous descent. thence over level land soil sandy. through dense artimesia.
79.94	The cor. of secs. 20, 21, 28 and 29. Land mountainous. Soil sandy and stony. 1st and 4th rate. No timber. Mountainous land. 79.94 chs. Feb. 22. 1899.

Feb. 23, 1899:

At 8 a. m. l. m. t., We set off 37° 17' N. on the lat. arc: 9° 42' S. on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence We run

N. 0° 1' E. bet. secs. 20 and 21

Ascending over stony land,

2.45	Ledges 20 ft high bear E and W.
11.20	Spur bears E and W. projects E. 100 ft above sec. cor. descend
25.00	Bottom of stony gulch 150 ft deep course S.E. about 10 chs N.W. Precipitous ascent over broken sandstone ledges and boulders
31.35	Top of precipitous ascent. thence over stony and clay land. ascending
40.00	Set a sandstone 18 x 10 x 6 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable thence over rolling land soil clay and stony. ascending
70.25	Wagon road bet Bluff City and Colorado bears E. and W.
80.00	Set a sandstone 14 x 8 x 6 ins., 10 ins. in

Chains

the ground for cor. of secs. 16. 17. 20 and 21. marked with 3 notches on S. and 4 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable.
Land mountainous.
Soil clay and stony; 3rd rate.
No timber.
Mountainous land. 80.00 chs.

N. 89° 59' W. on a random line bet. secs. 17 and 20.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. and S. line at the cor of secs. 17. 18. 19 and 20.
Thence the run
S. 89° 59 E. on a true line bet. secs. 17 and 20.
Over rolling land soil clay and stony. gradually ascending
31.00 Begin steep ascent over stony land
40.00 Top of ascent and spur bears N. and S. projects about 15 chs. S. 300 ft. above sec. cor.
Set a sandstone 18×10×6 ins., 12 ins. the ground for ¼ sec cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft high N. of cor. Pits impracticable
Begin steep precipitous descent over broken sandstone boulders
44.00 Foot of precipitous descent. thence over rolling land. soil clay and gravelly
80.00 The cor. of secs. 16. 17. 20 and 21
This cor. is 300 ft below ¼ sec. cor.
Land mountainous.
Soil clay and stony 3rd rate
No timber.
Land mountainous. 80.00 chs.

Subdivision of T. 40 S. R. 26 E. continued

Chains.	Feb. 23, 1899: At this cor. We set off 9° 40' S. on the decl. arc: and at 12 hrs. 14 m. l. m. t., observe the sun on the meridian. the resulting lat. is 37° 18' N.
	N. 0° 1' E. bet. secs. 16 and 17. Ascending over rolling land. soil clay and stony.
30.00	Begin steep ascent over broken sandstone boulders and ledges.
40.00	Set a sandstone. 14 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable. This cor stands on the south side of mesa about 250 ft above sec. cor. Begin steep precipitous ascent over broken sandstone ledges and boulders.
43.95	Top of precipitous ascent and edge of mesa bears N.E. and S.W. 570 ft above sec. cor. thence over rolling mesa soil sandy. enter scattering cedars.
76.00	Top of broken sandstone ledges and edge of mesa bears E and W. Precipitous descent over ledges and boulders leave cedars.
80.00	Set a sandstone 18 x 8 x 6 ins., 12 ins. in the ground for cor. of secs. 8, 9, 16 and 17, marked with 4 notches on S. and E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land mountainous. Soil sand and stony. 1st and 4th rate. Timber cedars scattering. Mountainous land. 80.00 chs.

Subdivision of T. 40 S. R 26 E. Continued

Chains. N. 89° 59' W. on a random line bet secs. 8 and 17.
40.00 et temp. 1/4 sec. cor.
80.04 Intersect N. and S. line 3 lks. N. of ie cor. of secs. 7. 8. 17 and 18.
Thence We run
ash on a true line bet secs. 8 and 17.
Ascending over rolling land oil clay and stony.
40.02 a sandstone 16 x 10 x 6 ins., 11 ins. i the ground for 1/4 sec. cor. mark 1/4 S. on N. face and raise a mon of stone 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.
43.00 Begin precipitous ascent over broke sandstone ledges and boulders to top of mesa.
50.65 Top of broken sandstone ledges and dge of mesa bears N. and S. 600 ft. above sec. cor. thence over rolling sandy mesa. through scattering cedar and dense artimesa.
74.0 Top of broken sandstone ledges and edge of mesa bears N. and S. Begin precipitous descent along the N. edge of mesa
80.04 The cor. of secs. 8. 9. 16 and 17.
Land mountainous.
Soil sandy, clay and stony: 1st and 3rd rate.
Timber cedar scattering.
Mountainous land. 80.04 chs.
Feb. 23, 1899.

Feb. 24, 1899:
At 8 a. m. l. m. t., We set off 37° 19' N on the lat arc: 9° 20' S. on the decl. arc: and determine a true meridian with the ar at the cor. of secs. 8. 9. 16 and 17.

Subdivision of T. 40 S., R. 26 E. Continued

Chains	
	Thence We run
	N. 0° 1' E. bet. secs. 8 and 9.
	Precipitous descent over broken sandstone boulders
10.00	Foot of precipitous descent. thence over rolling foot hills soil clay and stony
18.20	Bottom of descent and small wash course E. 400 ft below sec. cor. Begin ascend over rolling clay hills.
26.00	Begin steep precipitous ascent over broken sandstone ledges and boulders
36.85	Top of ledges 30 ft high and edge of mesa 500 ft high bears N.E. and S.W. Thence over rolling sandy mesa through scattering cedars
40.00	Set a sandstone 15 x 10 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
44.00	Begin descend over rolling sandy mesa
56.00	Top of broken sandstone ledges 20 ft. high and edge of mesa bears N.E. and S.W. Begin precipitous descent
57.50	Foot of precipitous descent. thence over rolling stony land. dense artimesa. descending.
80.00	Set a sandstone 16 x 8 x 6 ins., 11 ins. in the ground for cor. of secs. 4, 5 8 and 9. marked with 5 notches on S. and 4 notches on E. edges; and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	Land mountainous.
	Soil. sandy and stony: 1st and 4th rate
	Timber cedars scattering.
	Mountainous land. 80.00 chs.

Subdivision of T. 40 S., R. 26 E. Continued.

Chains. West, on a random line bet. secs. 5 and 8
40.00 Set temp. 1/4 sec. cor.
80.05 Intersect N and S. line 5 lks. S. of the cor of secs. 5. 6. 7 and 8.
Thence We run
S. 89° 58' E. on a true line bet. secs. 5 and 8.
Over nearly level land gradually ascending. soil clay and sandy.
22.00 Begin ascend over broken stony land
26.00 Begin steep ascent over large sandstone boulders
28.00 Leave boulders
30.00 Top of N. slope of stony knoll. thence over rolling land ascending
40.02 1/2 Set a sandstone 14 x 11 x 8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable
80.05 The cor. of secs. 4. 5. 8 and 9.
Land rolling.
Soil sandy and clay; 1st and 3rd rate.
No timber.
Feb. 24. 1899; At this cor. We set off 9° 17' S. on the decl arc and at 12 hrs. 9 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 20' N.

N. 0° 1' E. on a random line bet. secs. 4 and 5;
40.00 Set temp. 1/4 sec. cor.
80.12 Intersect the N. bdy. of the Tp. at the cor. of secs. 4, 5. 32 & 33 heretofore desc
Thence We run
S. 0° 1' W. on a true line bet. secs. 4 and 5;
Over nearly level mesa. soil sandy, through dense artimesa. gradually descending
28.85 Top of broken sandstone ledges 10 ft high and edge of mesa 200 ft high bears

Chains	
	N.E. and S.W. begin steep precipitous descent over broken ledges and boulders.
31.50	Foot of descent. Thence over rolling land, soil sandy, gradual descent
40.12	Set a sandstone 16x10x5 ins., 11 ins. into the ground for 1/4 sec. cor. marked 1/4 S. on W. face, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
46.00	Begin ascend over rolling land
80.12	The cor. of secs. 4. 5. 8 and 9.
1055/39.27	Land rolling and mountainous. Soil sandy; 1st rate
	No timber, dense artimesa 28.85 chs
	mountainous land, 12.00 chs.
	Feb. 24. 1899.

Feb. 25. 1899.

At 9 a.m. l.m.t. We set off 37° 16' N. on the lat. arc: 8° 58' S. on the decl. arc: and determine a true meridian with the solar, at the standard cor. of secs. 33 and 34. on the S. bdy. of Tp. 40 S. R. 26 E. which We established Jan 21st 1899 previously described. Thence We run N. 0° 2' E. bet. secs. 33 and 34 over rolling mesa soil sandy and stony

Chains	
10.75	Trail bears N.E. and S.W.
20.00	Enter scattering cedars.
22.00	Begin steep descent over broken ledges and boulders.
40.00	Point for 1/4 sec. cor. falls on sandstone boulder 16x8x5 ft. on which We cut a cross for 1/4 sec. cor. marked 1/4 S. on W. side and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
65.00	Leave stony land and scattering cedars Thence over rolling laid soil gravelly
80.00	Set a sandstone 18x7x6 ins., 12 ins.

Subdivision of T. 40 S., R. 26 E. Continued.

chains. in the ground for cor. of secs. 27. 28. 33 and 34 marked with 1 notch on S. and 3 notches on E. edges and raise a mound of stone. 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
Land mountainous.
Soil gravelly and stony; 3rd rate.
Timber cedar scattering.
Mountainous land. 80.00 chs.

West, on a random line bet. secs. 28 and 33.
40.00 Set temp. ¼ sec. cor.
80.00 Intersect N. and S. line at the cor. of secs. 28. 29. 32 and 33.
Thence We run
East on a true line bet. secs. 28 and 33.
Ascending over clay and stony land
7.00 Top of ridge 100 ft. above sec. cor. bears N. and S. Descend
35.00 Bottom of ravine 100 ft. deep course S.W. ascend over a low spur projects N. and at
37.00 Enter ravine course W. thence along ravine.
40.00 Set a sandstone 18×6×6 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
60.00 Leave ravine ascend over rolling land soil gravelly
80.00 The cor. of secs. 27. 28. 33 and 34.
Land mountainous.
oil clay and stony; 3rd rate.
No timber.
Mountainous land. 80.00 chs.
Feb. 25. 1899: At this cor. We set off 8° 55' S. on the dec's arc; and at 12 hrs 10 m. l. m. t., observe the

Subdivision of T. 40 S. R. 26 E., Continued.

chains. run on the meridian; the resulting lat. is 37° 16' N.

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

40.00 Set temp. 1/4 sec. cor.

60.53 Intersect the Utah and Colorado state boundary line 6.40 chs S. of the 19th mile cor. which is sandstone 5 x 14 x 3 ins., above the ground marked as described by the Surveyor General. Set a sandstone 15 x 10 x 6 ins., 10 ins. in the ground for closing cor. of secs. 27 and 34. marked C. C. U on 1st and C on E faces with 1 groove on S. and 5 grooves on N. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Thence W. run

West on a true line bet. secs. 27 and 34.

Over rolling sandy mesa gradually descending. through scattering cedars

2.55 Top of steep descent and edge of mesa bears N.E. and S.W. begin steep descent

10.00 Foot of descent. thence over rolling gravelly land. gradual descent

20.53 Set a sandstone 15 x 10 x 7 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

60.53 The cor. of secs. 27, 28, 33 and 34. Land mountainous

Soil sandy and gravelly: 1st and 3rd rate.

Timber cedar scattering. 2.55 chs.

Mountainous land. 60.53 chs.

Subdivision of T. 40 S., R. 26 E. Continued.

Chains. No. 2 E. bet. Secs. 27 and 28.
Ascending over rolling land. Soil stony
3.00 Pavement 50 ft. deep. Course S.W.
40.00 Set a sandstone 14 x 10 x 9 ins., 10 ins.
in the ground for 1/4 sec. cor. marked
1/4 S. on W. face and raise a
mound of stone 2 ft. base 1½ ft. high
W. of cor. Pits impracticable.
57.75 Foot of steep precipitous ascent
over broken sandstone ledges and
boulders
59.00 Top of ledges 30 ft. high and edge of
mesa 500 ft. above sec. cor. bears
E. and W. Thence over sandy mesa
through scattering cedars.
64.35 Begin steep descent over ledges
and boulders. Edge of mesa bears
E. and W.
79.75 Bottom of pavement 50 ft. deep. Co
N. W.
80.00 Set a sandstone 18 x 12 x 4 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 and raise a mound of
stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable
Land mountainous.
Soil stony; with pits.
Timber scattering cedars. 10.00 chs.
Mountainous land. 80.00 chs.
Feb. 25, 1899.

Feb. 26, 1899.
At 8 a.m. l.m.t., We sick off
37° 17' N. on the lat. arc; 8° 35' S. on
the decl. arc; and determine a true
meridian with the solar, at the
cor. of secs. 21, 22, 27 and 28.
Thence We run
West on a random line bet.

Chains	
	Secs. 21 and 28.
40.00	Set temp. 1/4 sec. cor.
80.09	Intersect N. and S. line 3 chs. N. of the cor. of secs. 20, 21, 28 and 29.
	Thence West on N. 89° 59' E. on a true line bet. secs. 21 and 28.
	Ascending over sandy soil through dense artimesia.
1.50	Ledge 20 ft. high bears S. E. and N. W.
15.00	Top of ridge bears S. E. and N. W.
	Descend over rolling land, soil gravelly.
26.65	Right bank of McElmo wash 10 ft. high bears N. and S.
34.50	McElmo creek 15 chs. wide, course S.
34.65	Left bank of McElmo wash 10 ft. high bears N. and S. enter dense artimesia
38.75	Begin steep precipitous ascent over very stony land, leave artimesia
40.04 W	Set a sandstone 14 x 10 x 6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
42.85	Top of steep precipitous ascent, a point 200 ft. above McElmo creek thence over rolling land soil stony.
79.50	Radius 40 ft. deep course N. W. ascend.
80.09	The cor. of secs. 21, 22, 27 and 28.
	Land mountainous
	Soil sandy and stony 1st and 4th rate
	No timber
	Mountainous land, 80.09 chs.

	Back on a random line bet. secs. 22 and 27.
40.00	Set temp. 1/4 sec. cor.

Subdivision of T. 40 S., R. 26 E., continued.

Chains.	
60.07	Intersect the Utah and Colorado state boundary line 6.15 chs. S. of the 20th mile cor. which is a sand stone 24 x 14 x 3 ins., in a mound of stone marked as described by the Surveyor General.
	Set a sandstone 24 x 12 x 5 ins. in a mound of stone for closing cor. of secs. 22 and 27. Marked C. C. U on and C. on E. faces. with 2 grooves on S. and 4 grooves on N. faces. and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
	Thence W. E. run
	West on a true line bet. secs. 22 and 27.
	Descending over stony land.
8.00	Spur projects S.
17.00	Bottom of ravine 150 ft. deep course S. begin steep ascent
20.07	Point for ¼ sec. cor falls on sandstone boulder 15 x 4 x 2 ft. on which
	We cut a cross for ¼ sec. cor. marked ¼ S. on N. side and raise a mound of stone 2 ft. base 1½ ft. high N. of cor.
20.75	Top of steep ascent and edge of mesa bears N. and S. thence over sandy mesa descending
41.85	Top of broken sandstone ledges 20 ft. high and edge of mesa 400 ft. high bears N & S
	Descending over ledges and boulders
60.07	The cor. of secs. 21, 22, 27 and 28
	Land mountainous.
	Soil stony: 4th rate.
	No timber
	Mountainous land. 60.07 chs.

Subdivision of T. 40 S., R. 26 E. continued.

Chains.	
	N. 0° 2' E. bet. secs. 21 and 22.
	Descending over broken stony hills
29.50	Ravine 40 ft. deep course N.W.
40.00	Set a sandstone 14 x 12 x 4 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
44.00	Begin steep descent into McElmo wash over broken ledges and boulders
48.80	Left bank of McElmo wash 10 ft. high bears S.W. and N.E.
48.90	McElmo creek 15 lks wide course S.W.
53.80	Right bank of McElmo wash 10 ft. high bears S.W. and N.E.
72.00	Right bank of McElmo wash 10 ft. high bears S.E. and N.W.
72.15	McElmo creek 15 lks wide course S.E.
76.00	Left bank McElmo wash 10 ft. high bears S.E. and N.W.
80.00	Set a sandstone 24 x 16 x 4 ins., in a mound of stone and earth for cor. of secs. 15, 16, 21 and 22. marked 40 S. on N.E. and 26 E. on S.E. faces, with 3 notches on S. and E. edges and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	This cor. stands on the S. side and left bank of McElmo wash. bank 4 ft. high. bears E. and W.
	Land mountainous.
	Soil stony: 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	Feb. 26, 1899: At this cor. we set off 8° 33' E. on the dec. arc: and at 12 hrs 10 m. l. m. t. observe the sun on the meridian the resulting

Subdivision of T. 40 S., R. 26 E. Continued.

chains. lat is 37° 18' N.

	89°59' W. on a random line bet. secs. 16 and 21.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N and S line 3 lks. N of the cor. of secs. 16. 17. 20 and 21
	Thence We run
	N 89.58 E. on a true line bet. secs. 16 and 21.
	Over rolling land soil clay and stony. gradually descending
20.00	Wagon road bet Bluff City and Colorado bears N E and S W.
40.00	Set a sandstone 15 x 11 x 9 ins., 10 ins. in the ground for 1/4 sec cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
66.00	Begin steep descent into McElmo wash
70.00	Foot of steep descent. thence over level land through dense artimesa
76.00	Right bank of McElmo Wash 10 ft. high bears N. 85° E. and S. 85° W.
78.00	McElmo creek 15 lks wide course S 85° W.
80.00	The cor. of secs. 15. 16. 21 and 22.
	Land mountainous
	Soil clay and stony; 3rd rate.
	No timber.
	Mountainous land. 80.00 chs.

	East on a random line bet secs. 15 and 22.
40.00	Set temp. 1/4 sec. cor.
60.10	Intersect the Utah and Colorado state boundary line 5.90 chs. S. of the 2nd mile cor. which is a sandstone 5 x 6 x 4 ins. above the ground.

Subdivision of T. 40 S. R. 26 E. continued

Chains	
	marked as described by the Surveyor General
	Set a sandstone 16 x 12 x 10 ins., 11 ins. in the ground for closing cor. of secs. 15 and 22. marked C. C. U. on W. and C. on E. faces with 3 grooves on N. and S. faces and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.
	Thence We run
	West on a true line bet. secs. 15 and 22.
	Descending over stony land.
10.00	Gulch or ravine 100 ft. deep course N.W.
	Ascending along the north side of hill or ridge
20.10	Set a sandstone 16 x 10 x 8 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	This cor stands on precipitous slope to the N.
25.45	Top of spur projects N.W. begin steep descent
40.10	Foot of descent. low pass between hills 300 ft. high.
41.00	Begin steep ascent over stony land.
46.85	Top of ridge bears N.W. and S.E.
	Descending over rolling land soil stony.
54.85	Begin steep descent into McElmo wash.
58.10	Foot of descent, thence along south side of McElmo wash
60.10	The cor of secs. 15. 16. 21 and 22.
	Land mountainous.
	Soil stony; 4th rate.
	No timber
	Mountainous land. 60.10 chs.
	Feb. 26. 1899.

Subdivision of T. 40 S., R. 26 E. Continued

Chains. Feb. 27. 1899.

At 8 a.m. l.m.t., We set off 3°7'18" N. on the lat arc: 8°13' S. the decl. arc: and determine a true meridian with the solar at the cor. of secs. 15. 16. 21 and 22.

Thence We run

No° 2' E. bet secs. 15 and 16.

0.50 McElmo creek 15 lks wide course S.W.

5.00 Right bank of McElmo wash 10 ft high bears N.E. and S.W. enter dense artimesa

8.00 Right bank of McElmo wash 10 ft high bears N.W. and S.E. leave artimesa

8.25 McElmo creek 15 lks wide course S.E.

13.00 Left bank of McElmo wash 6 ft high bears S.E. and N.W. enter artimesa

22.00 Left bank of McElmo wash 8 ft high bears N.E. and S.W. leave artimesa.

26.00 McElmo creek 15 lks wide course S.W.

27.00 Right bank of McElmo wash 10 ft high bears N.E. and S.W. thence over nearly level land.

32.00 Begin steep ascent over broken sandstone boulders

36.00 Top of steep ascent. thence over rolling land, ascending.

40.00 Set a sandstone 16 x 16 x 4 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable

44.50 Top of ridge bears E. and W. descend

69.40 Wagon road bet Bluff City and Colorado.

77.00 Begin steep ascent along E side of mountain.

80.00 Set a sandrock 24 x 10 x 7 ins., 18 in

Subdivision of T. 40 S., R. 26. E. Continued.

	hains, mound of stone and earth for cor. of secs. 9, 10, 15 and 16, marked with 4 notches on S. and 3 notches on E. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable Land mountainous. Soil sandy and gravelly; 1st and 3rd rate; No timber. Mountainous land. 80.00 chs.
	S. 89° 58' W. on a random line bet. secs. 9 and 16
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line 5 chs. S. of the cor. of secs. 8, 9, 16 and 17, Thence W. 5.00 East on a true line bet. secs. 9 and 16. Descending along the north side of mesa over broken and stony foot hills
28.00	Leave broken and stony land, thence over rolling land soil clay and sandy gradually descending
40.00	Set a sandstone 18 x 10 x 5 ins., 12 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable Ascending over rolling land, soil sandy and clay
69.00	Begin steep ascent over stony land,
74.15	Top of ascent 200 ft above ¼ sec cor Spur project S. Begin steep descent
80.00	The cor. of secs. 9, 10, 15 and 16 Land mountainous. Soil sand clay and stony 1st and 4th rate No timber Mountainous land. 80.00 chs.

Subdivision of T. 40 S., R. 26 E. continued.

ains	ash on a random line bet. secs. 10 and 15.
40.00	temp. 1/4 sec. cor.
60.15	Intersect the Utah and Colorado state boundary line 5.07 chs. S. of the 22nd mile cor. which is a sandstone 6 x 18 x 2 ins. above the ground marked as described by the Surveyor General. Set a sandstone 16 x 8 x 6 ins., 11 ins. in the ground for closing cor. of secs. 10 and 15. marked C. C. U. on W. and C. on E. faces. with 4 grooves on S. and 2 grooves on N. faces and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
	Thence WE rem
	West on a true line bet. secs 10 and 15.
	Descending over rolling stony land
3.50	Begin steep descent over broken sandstone boulders.
6.00	Foot of steep descent bears N. and S.
10.40	Left bank of McElmo wash 10 ft. high and creek course S. 15 lks. wide
13.40	Right bank of McElmo wash 10 ft. high bears N. and S.
	Ascending over rolling land soil clay and stony.
20.15	Set a sandstone 18 x 10 x 4 ins., 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.
22.15	Bottom of ravine 60 ft. deep course S.E. ascend. over rolling clay and stony land.
50.65	Wagon road bet. Bluff City and Colorado bears N.E. and S.W.
51.15	Begin steep ascent over stony land.
60.15	The cor. of secs. 9, 10, 15 and 16.

Subdivisions of T. 40 S., R. 26 E. Continued

chains.	
	Land mountainous.
	Soil clay and stony. 3rd rate.
	No timber
	Mountainous land. 60.15 chs.
	Feb. 27, 1899. At this cor. We set off 8° 10' S. on the dist arc. and at 12 hrs 12 m. l. m. t. observe the sun on the meridian the resulting lat. is 37° 19' N.
	N. 0° 2' E. bet. secs. 9 and 10.
	Ascending over precipitous broken sandstone boulders along the S.E. side of mesa
22.30	Top of precipitous ascent and edge of mesa 300 ft. above sec. cor. bears S.W. and N.E.
	Thence over mesa, soil sandy, through dense cedars and artimesa
38.00	Leave sandy soil and cedars, thence over smooth sandstone floor.
40.00	Point for 1/4 sec. cor. falls on solid sandstone floor. on which We cut a cross for 1/4 sec cor. marked 1/4 S. " on W. side, and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	No trees within proper dist.
43.00	Enter cedars and artimesa
62.00	Enter scattering cedars.
80.00	Set a sand stone 14 x 12 x 5 ins., 10 ins. in the ground for cor. of secs. 3, 4, 9, and 10, marked with 5 notches on S. and 3 notches on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.
	from which
	A cedar 10 ins. diam. bears S. 63° 30' E. 50 lks dist marked B.T.T. 40 S R. 26 E. S. 10.

Subdivision of T. 40 S., R. 26 E.—Continued.

Chains. A cedar 20 ins. diam. bears S. 2° 31' W. 55 lks dist. marked B.T. T. 40 S. R. 26 E. S. 9. No other suitable trees within proper distance

Land mountainous.

sandy and stony; 1st and 4th rate.

Timber cedars.

Mountainous land. 80.00 chs.

West on a random line bet. secs. 4 and 9;

40.00 Set temp 1/4 sec cor.

80.02 Intersect N. and S. line 4 chs. N. of the cor of secs. 4. 5. 8 and 9.

Thence West

N. 89° 58' E, on a true line bet. secs. 4 and 9

Begin steep precipitous ascent over broken sandstone ledges and boulders

1.73 Top of precipitous ascent and edge of mesa 75 ft above sec. cor. bears N.E. and S.W. thence over rolling land soil sandy.

40.01 Set a sandstone 16 x 10 x 5 ins., 11 ins. in the ground for 1/4 sec cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

50.00 Enter cedars. soil stony.

80.02 The cor. of secs. 3. 4. 9 and 10.

Land mountainous.

Soil sand and stony 1st and 4th rate

Timber cedars. 30.0 chs.

Mountainous land. 80.0 chs.

N. 0° 2' E. on a random line bet. secs. 3 and 4

40.00 Set temp. 1/4 sec. cor.

Subdivision of T. 40 S., R. 26 E. Continued

Chains.	
80.09	Intersect the N. bdy of the Tp at the cor. of secs 3, 4, 33 & 34 heretofore described
	Thence We run
	S. 0° 2' W. on a true line bet. secs. 3. and 4.
	Ascending over rolling stony land
28.25	Top of spur bears E. and W. projects E.
	Descend over stony land.
40.09	Set a sandstone 14 x 10 x 5 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor.
	Pits impracticable
46.00	Ravine 300 ft. deep course E.
	Begin steep ascent over broken ledges and boulders
57.75	Top of ledges and steep ascent. ledge of mesa. bears E and W. 300 ft above bottom of ravine. thence over rolling mesa. through scattering cedars and dense artimesa, ascending.
80.09	The cor. of secs. 3. 4. 9 and 10,
	Land mountainous.
	Soil stony; 4th rate.
	Timber cedar scattering.
	Mountainous land. 80.09 chs.

	East, on a random line bet secs 3 and 10
40.00	Set temp. 1/4 sec. cor.
60.00	Intersect the Utah and Colorado state boundary line 5.72 chs. S. of the 23rd mile cor. which is a sandstone 24 x 11 x 4 ins. in a mound of stone marked as described by the Surveyor General.
	Set a sandstone 18 x 7 x 6 ins., 12 ins. in the ground for closing

Subdivision of T 40 S., R 26 E Concluded,

Chains, cor. of secs. 3 and 10. marked C.C.M W. and C. on E. face with 5 grooves on S and 1 groove on N. faces, and raise a mound of stone 2 ft. base 1½ ft high W. of cor. Pits impracticable.
Thence We run
West on a true line bet secs. 3 and 10.
Over nearly level land soil sandy.
4.00 Wagon road bears N. and
5.00 E edge of wash 10 ft deep bears N. and S.
5.50 Bottom of wash course S.
6.00 W. edge of wash. bears N. and S.
12.00 Begin steep ascent, over broken sandstone ledges and boulders.
20.00 Set a sandstone 14 x 12 x 8 ins., 10 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
33.00 Top of steep ascent and ledges, and edge of mesa bears N. and S. 500 ft above closing cor. thence over rolling land, ascending, through scattering cedars and dense artimesa.
60.00 The cor. of secs. 3. 4. 9 and 10.
Land mountainous.
Soil stony: 4th rate
Timber. Cedars scattering.
Mountainous land, 60.00 chs.
Feb. 27, 1899.

General description

The greater portion of this township is fine graising and range

land, and is fairly well watered. The McElmo creek enters the township near the northeast corner, flows diagonally through the township leaving it near the South-west corner of sec. 31. The land is rolling land mountainous. The soil ranges from sandy loam to gravelly and stony. There is no timber except the cedar which grows on the higher mesa land in the northern portion of the township. There are no settlers in this township.

A vein of coal underlays the mesa along the N. bdy. of the township. There are no other indications of minerals

Hubert D. Page,
James M. Kirby.
U.S. Deputy Surveyors.

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 arking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted ..... United States Deputy Surveyor, in surveying all ose parts or portions of the ..... of the ..... meridian, ... of ..... which are represented the foregoing field notes as having been surveyed by him and under his direction; and that said survey as been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the orner monuments established, according to the instructions furnished by the United States Surveyor eneral for .....

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

ubscribed 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 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 Survey General for ....., the Manual of Surveying Instructions, and the laws of th United States, surveyed all those parts or portions of .....

.....

.....

.....

..... 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 solemn swear that all the corners of said survey have been established and perpetuated in strict accordance wi the Manual of Surveying Instructions, and the special written instructions of the United States Survey General for ..... and in the specific manner described in the field notes, and th 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 Survey

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 February 17th 19

The foregoing field notes of the survey of the Subdivisions of Township 40 South Range 26 East of the Salt Lake Base & Meridian Utah

executed by Herbert Page & James M. Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having be critically examined, and the necessary corrections and explanations made, the said field notes, and t surveys they describe, are hereby approved.

Jacob B. T

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

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4—679.

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

East Boundary

of

Township 41 South Range 24 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Hubert D Page & James M. Lentz, United States Deputy Surveyors

Under ~~his~~ then Contract No. 215, dated October 29th, 1897

Survey commenced March 1st, 1899

Survey completed March 1st, 1899

6—151

E-Bdry-high 2-24-30 ✓

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer	Chainman
Peter Allen	"
Harry Erwin	"
Walter O McCurn	"
John R Lumpkin	Moundman
George W Dalton	"
John R Lumpkin	Axeman
George W Dalton	"

For preliminary affidavit see book N

6—151

BOOK A-253

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

PRELIMINARY OATHS OF ASSISTANTS.

WE, ... and .....
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will leve
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 are
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
.....

..... *Chainm*

..... *Chainm*

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

SEAL

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

..... *Moundmen*

..... *Moundmen*

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

..... *Axmen*

..... *Axmen*

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 .....

..... *Flagman*

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

SEAL

East boundary of T. 41 S., R. 24 E. contin

Chains	
	Land, mountainous.
	Soil stony 3rd rate.
	No timber
	Mountainous land 80.00 chs.
	South bet. secs. 7 and 12.
	Ascending over broken sand stone ledges.
10.25	Top of spur, projects W.
	Begin steep descent.
40.00	250 ft. below spur.
	Set a sand rock 18 x 10 x 4 ins. in a mound of rock. for 1/4 sec. cor. marked 1/4 S 12 on W. face, raised a mound of stone 2 ft base, 1 1/2 ft high W. of cor.
	Pits impracticable
42.00	Foot of steep descent. bears E. and W. enter dense artimesa.
54.75	Wagon road, bears E. and W.
57.50	Buck fence, bears S. 62°30' E. and N. 62°30' W. Over nearly level land.
77.00	Enter dense cotton wood timber and brush.
80.00	Falls on cotton wood tree 14 ins. in diameter. for cor. of secs. 7, 12, 13, and 18. marked T. 41 S. S 7 on N. E. R. 25 E. S. 18 on S. E., R. 24 E. S. 13 on S. W. and S. 12 on N. W. side with 2 notches on the N. and 4 notches on the S. sides.
	From which a cotton wood tree 13 ins in diam. bears S. 53°30' W. 25 lks. dist. marked T 41 S., R 24 E., S 13. B.T.
	A cotton wood tree 12 ins. in diam bears S 58°40' E. 27 lks. dist. marked T. 41 S., R. 25 E. S. 18. B.T., a cotton wood 6 ins. in

East boundary of T. 41 S., R. 24 E., concluded.

Chains

diam. bears N. 35° 10' E. 15 lks dist.
Marked. T. 41 S., R. 25 E., S. 1. B. T.
No suitable tree N. W.
Land, mountainous.
Soil, sandy loam and stony 1st and 4th rate.
Cottonwood timber.
Mountainous land and dense-
undergrowth 80.00 chs.

South bet secs 13 and 18.
Through dense undergrowth
of young cottonwood and
artimesa.
24.30 Right bank of San Juan
River. bears N.W. and S.E.
Set a sand-stone 16 x 10 x 5 ins.
11 ins. in the ground for meander
Cor. to fracl. secs. 13 and 18. marked
M.C. 41 S. on N. 25 E on E.
24 E on W. with 6 grooves on
the E. and W. faces. raised a
mound of stone 2 ft. base 1 1/2 ft.
high. N. of Cor.
Pits impracticable.
Land, nearly level.
Soil, sandy loam. 1st rate.
Cottonwood timber.
Dense undergrowth 24.30 chs.
McW 1. 1899

For General discription see book
of subdivision
For table of lat and dept see book of
subdivisions

Hubert D Pagler
James M. Lentz,
U.S. Deputy Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

..... United States Deputy Surveyor, in surveying all the 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 proper monuments established, according to the instructions furnished by the United States Surveyor General for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

4-151

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189 ans 6 cont

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 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 February 17th 189

The foregoing field notes of the survey of the East Boundary of Township 41 South Range 24 East of the Salt Lake Base & Meridian Utah

.....

.....

.....

executed by Hubert & Page Mr Cannon N Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B Blo

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

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PAGE

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PAGE

4—679.

185

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

Subdivision
and Meanders of
Township No. 41 South
Range No. 24 East

Of the Salt Lake and Base and Meridian,
State of Utah

AS SURVEYED BY

Hubert D. Page and James M Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated Oct 29, 1897

Survey commenced Feb. 28th, 1899

Survey completed Mch 2nd, 1899

6—151

		M. Ch. Lks.
Subs -	high	2-65-31 ✓
"	low	2-55-00 ✓
Meanders -	high	2-31-45 ✓
"	low	4-26-20 ✓

5.40.31

6-57 65

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer chainman
Peter Allen "
Harry Erwin "
Patter O. McCuen "
John R. Lumpkin moundman
George W. Dalton "
John R. Lumpkin axman
George W Dalton "

For Preliminary affidavit see book "D"

6—151

BOOK A-253

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

[illegible] OF ACCOUNTANTS

[illegible]

[illegible]

[illegible]

Subdivision of T. 41 S. R. 24 E.-

[illegible] commenced Feb. 28. 1899. and exe-
ted with the instruments described
in "Book D"
Then to test the solar apparatus by comparin
their indications resulting from solar
observations made during a.m. and .m.
hours with a true meridian
by observations on Polaris. We proceed
as follows:
At the [illegible] closing corner of secs. 1 and 2
on the N. Bdy. of the Tp. Latitude 37°16' N.:
Longitude 109°19' W.: We set off 37°16' N. on the
lat. arc: 7°45' S. on the decl arc: and at
3 p.m. l.m.t., determine with the solar
[illegible]th one of the instruments a true mer
[illegible]dian and mark a point thereof on
a stone firmly set in the ground 5 chs N. of
the cor.
With the second instrument placed over
the same initial point. We set off 37°16'
N. on the lat. arc: 7°45' S. on the decl arc:
and at 3hrs 10m p.m. l.m.t., determine a
true meridian with the solar, and mark
a point thereof on the stone already
set 5 chs. N. of our station. This point
falls identical with that of the 1st instrument;
At 8hrs 41m p.m. We observe Polaris at
western elongation with the 1st instru-
ment, in accordance with manual
instructions and mark a point in
the line thus determined on a plug
driven in the ground 5 chs. N. of our

Feb 28 1899

Mch. 1st 1899:
At 7hrs 30m a.m. l.m.t., We lay off the az-
[illegible] of Polaris 1°33' to the east, the
true meridian thus determined falls on
[illegible] mark set by p.m. solar observation
of both instruments Feby. 28. 1899:
At 8 a.m. l.m.t., We set off 37°16' N. on

Subdivision of T. 41 S., R. 24 E. continued

hains, the lat. arc; 7°28' S. on the decl. arc: of the 1° instrument and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.
At 8hr 10m a.m. l.m.t., We set off 37°16' N. on the lat. arc; 7°28' S. on the decl. arc: of the 2nd instrument and determine a true meridian with the solar, which falls on the mark set on the true meridian established by the Polaris observations.
The solar apparatus of each instrument by p.m. and a.m. observations defines positions for true meridians. Therefore We conclude that the adjustments of the instruments are satisfactory.
The magnetic bearing of the true meridi at 8 a.m. is N 14°20' W.; the angle thus determined, reduced by the table page 100 of the manual, gives the mean mag. decl. 14°16' E.

We commence at the closing cor. of secs. 1 and 2 on the N. Bdy. of the Tp. established by us Jan. 19. 1899: previously described.
Thence We run
S. 0°1' E. bet secs. 1 and 2
over broken stony land.
29.00 Leave stony land, thence over rolling sandy and gravelly land, descending,
40.00 Set a sandstone 15 x 9 x 7 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
77.50 Allen canon Course S.W. ascen
80.00 Set a sandstone 14 x 10 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. and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable

Subdivision of T. 41 S., R. 24 E. Continued.

Char. Land mountainous
sandy and stony; 1st and 4th rate.
No timber.
Barren land 80.00 Chs.

East on a random line bet. secs. 1 and 12
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect the E. bdy. of the Tp. 3 chs. N. of the cor of secs. 1 and 12
Thence We run
N. 89°59' W. on a true line bet. secs. 1 and 12.
Over stony land gradually descending
10.45 Top of broken sandstone ledges and boulders bears N. and S. begin steep precipitous descent
13.00 Foot of steep descent 200 ft. below sec. cor. thence over rolling land soil sandy and gravelly
40.00 Sandstone 15x10x7 ins., 10 ins. in ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of 2 ft base 1½ ft. high N. of cor.
Pits impracticable.
80.00 The cor of secs. 1. 2. 11 and 12.
Land mountainous
Soil sandy and stony; 1st and 4th rate.
No timber
Mountainous land 80.00 Chs.
At 1.1899; At this cor. We sch off 7°25' the decl arc; and at 12 hr. 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37°15' N.

°1/E. bet. secs. 11 and 12
Ascending
10.00 Top of ascent. thence over nearly level land soil sandy and gravel
29.00 Begin descent from gravelly and

Subdivision of T. 41 S., R. 24 E. continued.

and	Sandy bench, precipitous descent over broken sandstone boulders
31.35	Foot of bench and wagon road bet Bluff City and Holyoak bears E. and W. thence over nearly level land
32.40	Fence bears E. and W. enter dense artimesia and cottonwood scattering
40.00	Set a sandstone 14 x 8 x 6 ins., 10 ins. in the ground for 1/4 Sec. cor. marked 1/4 S., on W. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
48.80	Right bank of San Juan river 6 ft. high bears E. and W.
	Set a cottonwood post 3 ft. long 4 ins. sq., with quart of charcoal 24 ins. in the ground for meander cor. of fract secs. 11 and 12 marked M. C. on S. T. 41 S. on N. R 24 E. S. 12 on E and S 11 on W. faces and dig a pit 36 x 36 x 12 ins., 8 ft. N. of post and raise a mound of earth 4 ft. base 2 ft. high N. of cor. Land rolling
	Soil sand and Gravel: 1st and 3rd rate
	Timber cottonwood

	From the cor. of secs. 1. 2. 11 and 12 established this day we run
	Meander bet secs. 2 and 11
3.00	Allen canon wash. course S.W. over rolling land descending
32.00	Allen canon wash course N.W. thence over nearly level bench land soil fr
40.00	a cobble stone 15 x 9 x 6 ins., 10 ins. in the ground for 1/4 Sec cor. marked 1/4 S., on N face and raise a mound of stone 2 ft. base 1½ ft high N. of cor. Pits impracticable

Subdivision of T. 41 S., R. 24 E. - Continued.

Chains.	
42.00	Wagon road bet Bluff and Holyoake bears N. W. and S. E.
52.00	Begin descend from bench
54.00	Foot of bench 40 ft high
67.45	Righ bank of San Juan river bears N. W. and S. E.
	Set a Cobble stone 16 x 10 x 8 ins, in a mound of stone for meander cor of fract secs. 2 and 11 marked M. C. on W. face with 5 grooves on S. face and raise a mound of stone 2 ft. base 1½ ft. high E. of cor.
	Land rolling.
	Soil sandy and gravelly. 3rd rate.
	No timber.
	From the closing cor. of secs 2 and 3 on the N. bdy of the Tp. established by us Jan. 19, 1899. previously described. We run
	S. 0°, E. bet secs. 2 and 3.
	Descending over precipitous broken sandstone ledges and boulders
10.85	Foot of precipitous descent 300 ft below sec. cor. enter San Juan river bottom. thence over nearly level land soil sandy loam dens. artimesa and undergrowth - scattering cottonwood
35.30	Old wagon road bet Bluff City and Holyoake bears N. W. and S. E.
40.00	Set a sandstone 18 x 8 x 6 ins, 12 ins, in the ground for ¼ sec. cor. marked ¼ S. 3 on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Subdivision of T. 41 S., R. 24 E. Continued

Chains.	
65.31	Right bank of San Juan river bears N.W. and S.E. Set a sandstone 14×10×6 ins. 10 ins in the ground for meander cor. of frac'l secs. 2 and 3. marked M. C. on S. face with 2 grooves on E. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable Land mountainous and level. Soil stony and sandy: 1st 4th rate Timber cottonwood, dense artimesa 54.46 chs Mountainous land, 10.85 chs.
	From the dosing cor. of secs. 4. on the N. bdy. of the Tp. establishe by us. Jan 19, 1899, previously described We run So° 2' E. bet secs. 3 and 4. Precipitous descent over broken sandstone ledges and boulders.
4.80	Foot of descent 150 ft below sec. cor. Wagon road bet Bluff City and Holyoak. thence over nearly level land soil sandy loam dense underprowth and scattering cottonwood.
12.95	Right bank of San Juan river 3 ft. high bears E. and W. Set a sandstone 18×8×6 ins. 12 ins. in the ground for meander cor. of frac'l secs. 3 and 4. marked M.C. on S. face with 3 grooves on E. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable

Subdivision of T. 41 S., R. 24 E. Continued.

Chains. Land level nonmountainous.
sandyloam nonstony; 1st 4th rate.
Timber scattering cottonwood.

From the closing cor. of secs. 4 & 5. on the N. bdy of the Tp. established by us Jan. 19, 1899, previously described. We run
10° 3' E. bet. secs. 4. and 5.
Descending over gravelly land.
2.25 descend from bench into bottoms.
4.00 Foot of descent 50 ft below top of bench
Wagon road bet. Bluff City and Holyoak bears E. & W.
Thence over nearly level land soil sandy loam through dense arundinaria and undergrowth and scattering cottonwood
26.75 The bank of S. Juan river 6 high bears S.W. and N.E.
a cobble stone 14 x 8 x 7 ins., 10 ins in the ground for meander cor. of fract. secs. 4 and 5; marked M.C. on S. face with 4 grooves on E. face and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
Land level and rolling.
Soil gravel and sand; 1st 3rd rate.
Timber cottonwood scattering

From the cor of secs. 12 and 13. on the E. bdy of the Tp. established by us this day. previously described We run
West. bet. secs. 12 and 13

Subdivision of T. 41 S., R. 24 E. - Continued

Chains.	over level land soil sandy loam through dense artimesa and undergrowth. scattering cotton-wood.
40.00	Set a cobble stone 16 x 10 x 5 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face. and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
59.00	Right bank of San Juan river 6 ft high bears N. and S.
	Set a cotton wood post 3 ft. long 4 ins sq., with quart of charcoal 24 ins., in the ground for meander cor. of fracl. secs. 12 and 13. marked M.C. on W. T 41 S. S. 12 on N. R 24 E on E. and S. 13 on S. faces; dug a pit 36 x 36 x 12 ins., 8 ft. E. of post and raise a mound of earth 4 ft. base 2 ft. high E. of cor.
	Land level.
	Soil sandy loam; 1st rate.
	Timber cottonwood 59.00 Chs.
	Mch. 1. 1899.

Meanders T. 41 S., R. 24 E.

Meanders of the right bank of San Juan River up stream.

We commence at the meander cor. of fracl. secs. 5 and 32 on the 8th Guide Parallel South. and N. bdy of the Tp.

At this cor., March 2nd 1899. We set of 37° 16' N on the lat arc; 7° 05' S on the decl. arc; and at 8 a.m. determine a true meridian with the solar.

Meanders T. 41 S., R. 24 E. Continued.

Meanders of the right bank of San Juan River up stream.

Thence we run with meanders in sec 5:
Through dense undergrowth and cottonwood timber.

S. 1°55' E.	10.70 chs.	Bank 4 ft. high
S. 24°35' E.	16.00 chs.	
S. 52°20' E.	8.00 chs.	
N. 77°50' E.	9.00 chs.	
S. 80°20' E.	12.00 chs.	
N. 70° E.	8.00 chs.	
S. 82°30' E.	13.00 chs.	
N. 65°30' E.	5.35 chs.	Bank 6 ft. high. To the meander cor. of fractional secs. 4 and 5.

Land level.
Soil sandy loam: 1st rate
Timber cottonwood.
Dense undergrowth 82.05 chs.

Thence in sec. 4,
Through dense undergrowth and scattering cottonwood timber.

N. 63° E.	3.40 chs.	Bank 5 ft high.
N. 48°15' E.	3.20 chs.	
N. 31°30' E.	4.70 chs.	
N. 4°45' E.	6.90 chs.	Bank 6 ft high at end of course leave undergrowth and timber.
N. 35° E.	5.00 chs.	
N. 72° E.	4.80 chs.	
N. 88° E.	16.80 chs.	
N. 89°45' E.	24.80 chs.	
S. 72°15' E.	20.50 chs.	
77° E.	3.40 chs.	To the meander cor.

93.50

Meanders of T. 41 S., R. 24 E. Continued.

Meanders of the right bank of San an River up stream.

of frac. secs. 3 and

Land Level.
Soil sandy and stony; 1st and 4th rate
Timber Cottonwood.
~~one~~ undergrowth 18.20 chs.

Thence in sec. 3

S. 82° 45' E.	5.00 chs.	Bank 4 ft. high.
N. 76° E.	4.00 chs.	
N. 50° E.	1.70 chs.	
S. 74° 30' E	3.30 chs.	
		at end of course enter undergrowth and scattering timber
N. 84° 45' E.	9.70 chs.	
N. 83° 45' E.	8.70 chs.	
N. 70° 45' E.	3.70 chs.	
N. 49° E.	5.00 chs.	
N. 61° 15' E	5.40 chs.	Bank 4 ft. high at 3 chs old wagon road washed out bears S.E.W.
N. 50° 15' E.	3.40 chs.	Bank 6 ft high. at 1.50 chs leave timber and undergrowth.
79° 30' E.	22.90 chs.	Bank at foot of bluffs 200 ft high at 0.50 chs. wash 10 ft. wide 10 ft. deep course S.W. at 2.00 chs. Bluffs 200 ft high. thence along foot of bluffs. at end of course le bluffs.
16° 45' E.	13.30 chs.	Bank 4 ft. high at 5 chs enter

Meanders T. 41 S. R. 24 E. Continued.

Meanders of the right bank of San an River up stream.

		dense and timber.
	8.10	
S. 2° 10' E.	4.40 chs.	
S. 5° 30' E.	6.70 chs.	Bank 4 ft high at 1.20 chs old wagon road bears E. & W.
S. 20° E.	3.50 chs.	
S. 0° 30' E.	13.20 chs.	
S. 9° E.	18.40 chs.	
S. 6° 45' E.	2.70 chs.	Bank 5 ft. high to the meander cor. of fracl. secs. 2 and 3.
	135.00	

135.00
91.20
43.80

Land level.
Soil sandy and loamy;
Timber cottonwood, ~~dense undergrowth~~ 91.20
Mch, 2. 1899;

At this meander cor. We set off 7° 02' S on the decl. arc; and at 12 hrs 12 m. l. m.t. observe sun on the meridian the resulting lat. is 37° 15' N.

Thence in sec. 2.
Through undergrowth and timber.

S. 76° 45' E.	5.80 chs.	Bank 6 ft. high. at end of course leave timber
S. 29° 20' E.	13.20 chs.	
S. 12° 15' E.	1.90 chs.	Bank 3 ft high to the meander cor of fracl. secs. 2 and 11
	20.90	

Land level.
Soil sandy;
Timber cottonwood.

Meanders T. 41 S. R. 24 E. Continued.

Meanders of the right bank of San Juan River up stream

Thence in sec. 11.

N. 12° 15' E.	5.30 chs.	Bank 3 ft. high.
N. 41° 45' E.	8.70 chs.	
S. 63° 15' E.	8.80 chs.	Bank 4 ft. high
N. 78° 30' E.	6.00 chs.	
N. 84° 30' E.	4.80 chs.	
S. 78° 30' E.	12.20 chs.	
S. 62° 15' E.	5.50 chs.	Bank 4 ft. high
N. 40° E.	7.70 chs.	Bank 5 ft. high at 0.30 chs fence bears E. & W.
N. 36° E.	9.40 chs.	
N. 28° 45' E.	9.00 chs	Bank 6 ft. high. at 6 chs. enter underwoods and timber
S. 52° E.	1.70 chs.	
S. 47° 45' E.	6.20 chs.	
N. 79° 30' E.	4.45 chs	Bank 6 ft. high. To the meander cor. of fract. secs. 11 and 12.

Land level.
Soil sandy.
Timber cottonwood.

Thence in sec. 12.
Through underwoods and timber.

S. 67° E.	11.40 chs.	Bank 5 ft. high.
S. 54° E.	2.40 chs.	
N. 18° 30' E.	7.00 chs.	
S. 20° 30' E.	5.80 chs.	
N. 13° 45' E.	14.10 chs.	Bank 4 ft. high To the meander of fract. secs. 12 and 13

Land level.
Soil sandy
Timber cottonwood.

Meanders T. 41 S., R. 24 E. Concluded.

Meanders of the right bank of San Juan River up stream.

Thence in sec. 13.
Through undergrowth and scattering

. 7° 15' E	13.75 chs.	Bank 6 ft. high
S. 56° 45' E.	6.60 chs.	
. 81° E.	3.70 chs.	
N. 76° 45' E.	5.80 chs.	
N. 67° E.	10.20 chs.	
. 83° E.	11.20 chs.	
. 62° 30' E.	9.70 chs.	
. 66° E.	14.00 chs.	
S. 84° E.	1.00 chs.	Bank 4 ft. high. To the meander cor. of fracl secs. 13 and 18 on the E. bdy. of the Tp.
	75.65	

Land level.
Soil sandy.
Timber cottonwood.

Mch. 2, 1899.

General description

This township is rough and mountainous in the northern part, level and rolling in the southeast portion. There has been several claims with buildings and fences, along the San Juan river and in the southeastern part but the settlers have recently moved to Bluff City. The soil ranges from sandy loam to gravelly and along the San Juan River and the rolling up-lands the grass affords fine grazing

There is no timber except the cottonwood which in some places along the river bottoms grows very heavy. There are no indications of mineral

At present there are no settlers in this township, the town of Montezuma which was located along the San Juan river has been abandoned. Chas B Thomson and A Hefter applicants for survey have moved to Bluff City.

Hubert D Page
James M Lentz,
U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

..... *Chainman.*

..... *Chainman.*

..... *Moundman.*

..... *Moundman.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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.*

..... *Axman.*

..... *Axman.*

..... *Flagman.*

.....

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

SEAL

.....

4—151

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FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from ..... United States Surveyor General for ....., bearing date of the ..... day of ....., 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 February 17th 190

The foregoing field notes of the survey of the subdivision & meanders of Township No 41 South Range 24 East of the Salt Lake Base & Meridian, Utah

executed by Herbert D Page Esq James M Lentz under ~~his~~ their contract No. 215, dated October 29, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob T B T

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

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PAGE

4—679.

BOOK A-253

H.J.B.

FIELD NOTES

OF THE SURVEY OF THE

South and East

boundaries

of

Township No. 41 South.

Range No. 25 East.

Of the Salt Lake Base & Meridian,

In the state of Utah

AS SURVEYED BY

Lert B Page and James M. Lentz, United States Deputy Surveyors

[illegible] their Contract No. 215, dated October 29, 1897

[illegible]ey commenced March 2nd, 1899

[illegible]ey completed March 4th, 1899

6—151

[illegible]

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer. chainman
Peter Allen. chainman.
Harry Erwin "
Walter O. McCuen "
John R. Lumpkin moundman.
George W. Dalton "
John R. Lumpkin axman
George W. Dalton "

See preliminary affidavits in book "N"

6—151

BOOK A-253

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 t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
.....

..... , *Chainm*

..... , *Chainm*

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

SEAL

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

..... , *Moundn*

..... , *Moundn*

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

..... , *Axm*

..... , *Axm*

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, i
survey of .....

..... , *Flag*

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

SEAL

East boundary of T. 41 S., R. 25 E.

Survey commenced March 2nd 1899.
and executed with the instrument described in book "A".
Then to test the solar apparatus by comparing indications resulting from solar observations made during a.m. and p.m. hours, with a true meridian determined by observation on Polaris, We proceed as follows;
At the closing cor. of T. 41 S., R. 25 and 26 E.
Set by us heretofore E.
At 4 p.m. l.m.t., We set off 37°16' N. on lat. arc; 6°57' S. on decl. arc; and determine a true meridian with the solar. with one of the instruments.
and mark a point thereof on a stone firmly in the ground 5 chs. N. of the cor.
With the second instrument placed over the same initial point, We set off 37°16' N. on lat arc; 6°57' S. on decl. arc; and determine a true meridian with the solar. the line thus determined falls on the mark on the stone set by the first instrument.
At 8 hrs 33 m. p.m., l.m.t., We observe Polaris at western elongation with the 1st instrument in accordance with manual of instructi and mark a point on line thus determined on a plug driven in the ground 5 chs. N. of our station

March 2nd 1899.

March 3rd 1899. at 7 hrs 30 m. a.m., l.m.t., We lay off the azimuth of Polaris 1°33' to the East, the true meridian thus determined on the mark determined by the solar.
At 8 a.m. l.m.t., We set off 37°16' N. on arc; 6°42' S. on decl. arc; of the 1st and determine a true meridian with the sol ich falls on the mark set on the true meridian established by Polaris observation.
At 8 hrs 10 m., a.m., l.m.t., We set off 37°16' on lat. arc 6°42' S. on decl. arc; of the 2nd instrument and determine a true meridian

East boundary of T. 41 S., R. 25 E., continued.

Chains.	
	with the solar the line thus determined falls on the mark of the true meridian determined by Polaris observation. The solar apparatus of both instruments by p.m. and a.m. observations defines position of true meridian. Therefore, we conclude the adjustments of the instruments are satisfactory. The magnetic bearing of the true meridian at 8 a.m. is N. 14°21' W. the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl. 14°17' E. From the cor. already described we run South bet. secs. 1 and 6. Descending over rolling land.
22.00	Begin steep descent over broken sandstone ledges, bears N.E. and S.W.
37.00	Foot of steep slope. Enter McElmo bottom and dense artimesa.
40.00	Set a sand stone 22×8×4 ins. in a mound of stone, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
44.05	Right bank of McElmo wash 10 ft deep, bears N.E. and S.W.
50.00	Bank 20 ft. high bears N.E. and S.W.
54.00	Knole 60 ft. high.
65.00	Bank 5 ft. high bears E. and W.
68.00	McElmo creek 20 lks wide course W.
69.00	Left bank of McElmo wash, bears E. and W.
70.00	Leave bottom, dense artimesa, begin steep ascent.

Chains.	
2.00	Top of ridge and mesa, bears E. and W. descend.
2.00	Set a sand stone 16 x 7 x 6 ins. 11 ins. in the ground for cor. to secs. 19, 24, 25 and 30, marked with 4 notches on the N. and 2 notches on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. Land, mountainous. Soil, sandy, and stony 2nd and 3rd rate. Scattering cedar. Mountainous land, 80.00 chs.
	South bet. secs. 25 and 30. Descending, over rolling mesa, scattering cedar.
10.75	Sand stone ledges on edge of mesa; leave cedar. Begin steep descent. bears N.E. and S. W.
25.00	Ledges, bear N.E. and S.W.
36.00	Foot of steep descent. over rolling foot hills.
40.00	Set a sand rock 12 x 10 x 5 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 25. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable.
54.00	Spur projects E.
80.00	Near the foot of ridge bears N. and S. Set a sand rock 15 x 7 x 6 ins. 10 ins. in the ground for cor. to secs. 25, 30, 31 and 36, marked with 5 notches on the N. and

Chains.	
5.75	Dry run, course N.E.
26.00	Dry run, course N.W.
40.00	Set a sand stone 16 x 4 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
60.00	Ravine 20 ft. deep course W.
65.00	Begin steep ascent, bears E. and S.
80.00	Falls on sand stone boulder, 10 x 6 x 4 ft. cut cross on boulder, for cor. to secs. 13, 18, 19 and 24, marked with 3 notches on the N. and S. sides. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, stony; 4th rate. No timber. Mountainous land, 80.00 chs. At this cor. I set off 6°39' S. on the decl. arc; and at 12 hrs. 12 m. l. m. t., observe the sun on the meridian the resulting lat. is 37°13' N. March 3. 1899.
	South bet. secs. 19 and 24. Ascending steep slope.
7.00	Top of sand stone ledges and edge of mesa. 150 ft. above cor. bears E. and W. Entes scattering cedar over rolling mesa.
29.00	Trail bears N.W. and S.E.
40.00	Set a sand stone 20 x 7 x 3 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. on W. face raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable.

East boundary T41S, R25E, continued.

chains.

52.00 Top of ridge and mesa, bears E. and W.

80.00 Descend.
Set a sand stone 16x7x6 ins. 11 ins. in the ground for cor. to secs. 19, 24, 25 and 30, marked with 4 notches on the N. and 2 notches on the S. edges. Raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor. Pits impracticable. Land mountainous. Soil, sandy and stony. 2nd and 3rd rate. Scattering cedar. Mountainous land, 80.00 chs.

South bet. secs. 25 and 30. Descending, over rolling mesa, scattering cedar.

10.75 Sand stone ledges on edge of mesa, some cedar. Begin steep descent, bears N.E. and S.W.

25.00 Ledges, bend N.E. and S.W.

36.00 Foot of steep descent. Over rolling foot hills.

40.00 Set a sand rock 12x10x5 ins. 8 ins. in the ground for ¼ sec. cor. Marked ¼ S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

54.00 Spur projects E.

80.00 Near the foot of ridge bears N. and S.
Set a sand rock 15x7x6 ins. 10 ins. in the ground for cor. to secs. 25, 30, 31 and 36, marked with 5 notches on the N. and

East boundary of T. 41 S., R. 25 E., contin

Chains	
	1 notch on the S. edges, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. Land, mountainous. Soil, stony 4th rate. Scattering cedar. Mountainous land, 80.00 chs.
	South bet. secs. 31 and 36. Descending over rolling foot hills.
6.00	Bottom of ravine 20 ft. deep. course E.
15.00	Spur projects E.
22.00	Bottom of ravine 50 ft. deep course S. W.
29.00	Drain. course S. W.
40.00	Set a sand stone 14 x 10 x 6 ins. 10 ins. in the ground, for ¼ sec. cor. marked ¼ S. 6 on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
40.70	Wagon road bears N. W. and S. E.
76.00	Spur projects E.
80.00	Set a sand rock 16 x 10 x 7 ins. 11 ins. in the ground for cor. to Tps. 41 and 42 S. Rs. 25 and 26 E. Marked, 41 S. on N. E., 26 E. on S. E., 42 S. on S. W. 25 E. on N. W. faces with 6 notches N. S. E. & Wedges raised a mound of stone, 2 ft. base, 1½ ft. high S. of cor. Pits impracticable. Land, mountainous.

East boundary of T. 41 S., R. 25 E., concluded.

Chains.	
	Soil, stony 3rd rate. No timber Mountainous land, 80.00 chs. McN 3. 1899

South boundary of T. 41 S., R. 25 E.

	McN 4. 1899 at 8 a.m. l.m.t., we set off 37° 10' N. on lat. arc, 6° 19' S. on dec. arc; and determine a true meridian with the solar. Thence we run West. bet. secs 1 and 36.
3.50	Begin steep ascent bears N. and S.
5.00	Top of ridge bears N. and S.
"	descend.
24.00	Drain, course S. E.
40.00	Set a sand stone 16 x 9 x 8 ins. 11 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face, raised a mound of stone 2 ft base, 1½ ft. high N. of cor. Pits impracticable.
42.50	Bottom of ravine 75 ft deep. course S. Ascend over rolling mesa.
80.00	set a sand stone 20 x 8 x 6 ins. 15 ins. in the ground for cor. to secs. 1, 2, 35 and 36. marked with 5 notches on the W. and 1 notch on the E. edges. raised a mound of stone 2 ft. base, 1½ ft high W. of cor.

South boundary of T. 41 S., R. 25 E., continued

Chains

Pits impracticable
Land mountainous
Soil stony 2nd and 3rd rate.
No timber
Mountainous land 80.00 chs.

West bet. secs. 2 and 35.
Descending over rolling hills.
25.00 Begin steep descent.
bears N. 15° W. and S. 15° E.
30.00 Foot of steep descent bears
N. 15° W. and S. 15° E. descend.
40.00 Set a sand stone 16 x 10 x 4 ins.
11 ins. in the ground, for 1/4 sec.
Cor. marked 1/4 S. on N. face,
raised a mound of stone 2 ft. base,
1 1/2 ft. high N. of Cor.
Pits impracticable.
62.75 Wagon road,
bears N. W. and S. E.
80.00 Set a cobble stone 16 x 8 x 6 ins.
11 ins. in the ground, for Cor.
to secs. 2, 3, 34 and 35. marked with
4 notches on the W. and 2 notches
on the E. edges. raised a mound
of stone 2 ft. base, 1 1/2 ft. high.
W. of Cor.
Pits impracticable,
Land, mountainous
Soil, stony. 2nd rate.
No timber
Mountainous land 80.00 chs.

West bet. secs. 3 and 34
Descending over rolling land,
78.00 Top of River bluff. on right
bank of Sanjuan River.
bears. N. W. and S. E.

South boundary of T. 41 S., R. 25 E., concluded.

Set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground for Meander Cor. to frac. secs. 3 and 34.
Marked M.C. 25 E. on E., 41 S. on N., 42 S. on S., with 6 grooves on the N. and S. faces, raised a mound of stone 2 ft. base, 1½ ft. high E. of Cor.
Pits impracticable.
Land, mountainous.
Soil, sandy and gravelly 2nd rate.
No timber
Mountainous land. 28.00 Chs
March 4th 1899.

For general description and table of Latitude and departure see book of subdivisions.

Hubert D. Pagen
James M. Leitz
U.S. Deputy Surveyor

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

ing the lines and corners described in the foregoing field notes of the survey of .....

.....

ing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

e parts or portions of the .....

.....

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

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

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

ieral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

–151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

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

.....

.....

.....

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

..... meridian, in the ..... of ....., which are represented i 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 the Manual of Surveying Instructions, and the special written instructions of the United States Surv 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 s the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Surv

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 February 17th

The foregoing field notes of the survey of the South & East Boundaries of T4S R25E of the Salt Lake Base & Meridian Utah

executed by Hubert S Page by James M Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B Rl

United States Surveyor Gen

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

.....

United States Surveyor Gen

6—151

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4—679.

229

BOOK A-253

Kd.B.

FIELD NOTES

OF THE SURVEY OF THE

South boundary.

of

Township No. 41 South.

Range No. 26 East.

Of the Salt Lake Base & Meridian,

In the state of Utah.

AS SURVEYED BY

...ert D. Page and James M. Lentz, United States Deputy Surveyor,

...er ~~his~~ their Contract No. 215, dated October 29th, 1897

...ey commenced March 4th, 1899

...ey completed March 4th, 1899

6—151

S. Bdry - high
do low
closg - 8

m. chs lks -
2-71-93 ✓
1-00-00 ✓
7-14 ✓ 3-71-93

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer. Chairman,
Peter Allen. "
Harry Erwin "
Walter O McCuen "
John R. Lumpkin Mound mo
George W. Dalton "
John R. Lumpkin
George W. Dalton "

For preliminary affidavit see book "N"

6—151

BOOK A-253

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 leve
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 assi
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the surv
.....

.....*, Chain*

.....*, Chain*

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

.....*, Mound*

.....*, Mound*

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

.....*, A.*

.....*, Ax*

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,
survey of .....

.....*, Fla*

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

SEAL

6—151

South boundary of T. 41 S., R. 26 E.

Survey commenced, March 4th 1899
and executed with the instruments
described in book. A

The test of the adjustments
of the instruments, were made
March 2-3. 1899 and recorded in
book of the East boundary
of T. 42 S., R. 25 E.,
March 4. 1899 At 8 a.m. l.m.t., We set
off 37°10' N. on lat. arc; 6° 19' S. on ded.
arc: and determine a true
meridian with the solar. at
the cor. of T. 41 & 42 S., Rs. 25 & 26 E.,
Thence We run
East bet. secs. 6 & 31.
Ascending over broken
foot hills.
11.50 Pass saddle in ridge bears
N. & S.
35.00 Drain, course S. 70° W.
40.00 set a sand stone 22 x 8 x 6 ins
in a mound of stone, for 1/4
sec. cor. marked 1/4 S. 31 on N.
face, raised a mound of stone
2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.
52.50 Top of ridge bears N. & S.
descend
60.00 Head of ravine 50 ft. deep.
course S.
65.00 Top of ridge, bears N. & S.
77.25 Bottom of ravine 17.5 ft. deep.
course S. 20° W. ascend.
80.00 Set a sand rock. 18 x 8 x 6 ins.
in a mound of stone for sec.
cor. to secs. 5, 6, 31 & 32 marked
with 5 notches on the E. and
1 notch on the W. edges, raised

South boundary of T. 41 S., R. 26 E.

Chains

a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
Pits impracticable.
Land, mountainous
No timber
Soil, stony — 4th rate.
Mountainous land, — 80.00 chs.

East bet. secs. 5 and 32.
Ascending over rolling hill.
40.00 Set a sand rock 12 x 10 x 5 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. 32 on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
Pits impracticable.
56.00 Trail, bears N. W. and S. E.
72.00 Trail bears S. W. and N. E.
79.00 Spur - projects N. E.
80.00 Set a sand stone 18 x 8 x 5 ins. 12 ins. in the ground, for cor. to secs. 4, 5, 32 and 33. marked with 4 notches on the E. and 2 notches on the W. edges. raised a mound of stone, 2 ft. base, 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous
Soil, stony — 4th rate.
No timber
Mountainous land — 80.00 chs.

East bet. secs. 4 and 33
Ascending over rolling hills.
77.00 Trail bears, N. E. and S. W.
79.75 Wagon road bears N. W. and S. E.
40.00 In Bottom of ravine course S. set a sand stone

South boundary T. 41 S., R. 16 E., continued.

Chains

16 x 8 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S 33 on N. face, raised a mound of st 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.

66 Ascend.

66.00 Indian trail, bears N. & S. N.

80.00 Set a sand stone 18 x 10 x 5 ins. 12 ins. in the ground for cor. to secs. 3, 4, 33 and 34 marked with 3 notches on the E. and N. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.
Land rolling.
Soil stony 3rd rate.
No timber
March 4, 1899 at this cor. we set off 6° 16' S. on decl. arc; and at 12 h 12 m l. m. t. observe the sun on the meridian, the resulting lat. is. 37° 10' N

East bet secs. 3 and 34.
Begin steep ascent over broken sand stone boulders through scattering cedar.

8.00 Top of sand stone ledges ledge boulders bear N. and S.
Quit rolling mesa.

36.00 Drain course S.

40.00 Set a sand stone 16 x 8 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.

South boundary of T. 41 S., R. 26 E. concluded

Chains.	
60.00	Begin steep descent from top of sand stone ledges, bear N. and S.
71.93	Intersect Utah Colorado boundary 9.14 chs. S. of the 12th mile cor. which is a sand stone 15 x 14 x 3 ins. in a mound of stone, marked as described by the Surveyor General,
	Set a sand stone 15 x 10 x 8 ins. for Closing Cor. to secs. 3 and 34. marked, C.C.U. 26 E. on W. 41 S. on N, 42 S on S. with 6 grooves on N. and S. faces, raised a mound of stone W. base, 1½ ft. high W. of Cor. Pits impracticable.
	Sand, mountainous
	Soil stony 2nd and 3rd rate.
	Scattering cedar.
	Mountainous land, 71.93 chs.
	March 14 1899

For General discription see book of subdivision.

Latitude departure and closing corrs.

Lines designated.	True bearing	Distances	Latitude N.	Latitude S.	departure E.	departure W.
S bdy T 41 S R 26 E	West	311.93				311.93
W " "	North	480.00	480.00			
N bdy "	East	309.22			309.22	
Colorado Utah bdy	South	400.33		400.33		
add " "	S 2° 34' E	79.94		79.86	3.58	
Convergency					.35	
			480.00	480.19	313.15	311.93
				480.00	311.93	
Error in Lat & Dep				.19	1.22	

Hubert D. Page,
James M. Lentz,
U.S. Deputy Surveyors.

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

ging the lines and corners described in the foregoing field notes of the survey of .....

.....

ting the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

..... United States Deputy Surveyor, in surveying all

parts or portions of the .....

.....

.....

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

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

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

eral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

1—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 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 February 17th, 18[illegible]

The foregoing field notes of the survey of the South Boundary of Tp 41 South Range 26 East of the Salt Lake Base and Meridian Utah

.....

.....

.....

.....

executed by Hubert D Page and James M.

under ~~his~~ their contract No. 215, dated October 29th, 18[illegible] having been critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B Rl

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

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(4—679.)

BOOK A-253

FIELD NOTES

OF THE SURVEY OF

Subdivision
and
Meander lines
of
Township No 41 South.
Range No. 25 East.

Of the Salt Lake Bar Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D. Page and James M. Lentz, United States Deputy Surveyors,

under ~~his~~ their Contract No. 215, dated October 29th, 1897.

Survey commenced March 4th, 1899.

Survey completed March 13th, 1899.

(1319—2,500.)

M. Ch. Lks.

Subs - high 40-73-52 ✓
do low 5-31-02 ✓
40-88 ✓
Closing -

Meanders high 1-74-80 ✓
low 4-38-35 ✓

6-33-15

BOOK A-253

Names and Duties of Assistants.

Peter Meyer. chainman.
Peter Allen "
Harry Erwin. "
Walter O. McCuen "
John R. Lumpkin Roundman.
George W. Dalton "
John R. Lumpkin Rodman.
George W. Dalton "

For preliminary affidavit see book "D"

BOOK A-253

Subs - 41S-25E

high m. chs lks	low m. chs lks	Obs m. chs lks	meanders high m. chs lks	low m. chs lks
1-00-00			43.10	75-00
1-00-02			1-09.90	11.25
1-00-04			24-60	23.10
1-00-00				30-50
1-00-06				75.50
1-00-00				63.60
1-00-00				1-05.60
1-00-00		8.17	1-68-60	4-44.55
1-00-00	1-00-00		+2.80	-2.80
7-00	42-00		1-71-40	4-41.75
1-00-06	1-00-00		+3.40	-3.40
4-00	76-00		1-74-80	4-38-35
00-00				
00-00				
1-00-00				
1-00-00				
00-04		8.17		
00-00				
77-40				
00-00				
00-00				
00-00				
00-00				
00-00				
00-00				
47-20				
32-25				
1-00-00				
1-00-00		8-17		
1-00-00				
00-00				
00-00		3-10		
42-00				
00-00			8.17	
1-00-00				
1-00-00		54-00		
26-00		1-00-00		
1-00-00		7-92		
1-00-00			8.20	
77-39				
00-06				
10-73-52	5.23.02		32-71	
	800		817	
414	5.31.02		40.88	

8370
8090
280

2800
2460
340

61.20
480
34
14.3
837

10.40
176
25.00

313
24

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Subdivision of T. 41 S. R. 25 E.

Survey commenced Mch. 4th 1899 and executed with the instruments described in "Book D"

Then to test the Solar apparatus by comparing their indications resulting from Solar observations made during a.m. and p.m. hours with a true meridian determined by observations on Polaris. We proceed as follows:

At the cor. of secs. 1. 2. 35 and 36 on the S. bdy. of T. 41 S. R. 25 E.; Latitude 37° 10' N. Longitude 109° 12' W.; We set off 37° 10' N on the lat. arc: 6° 12' S on the decl. arc: and at 11 p.m. l.m.t., determine with the Solar, with one of the instruments, a true meridian and mark a point thereof on a stone firmly set in the ground 5 chs. N. of the cor.

With the second instrument placed over the same initial point. We set off 37° 10' N on the lat. arc: 6° 12' S. on the decl. arc: and at 11h 16m p.m. l.m.t. determine a true meridian with the Solar, and mark a point thereof on the stone already set 5 chs. N. of our station, this point falls identical with that of the 1st instrument.

At 8hrs 25m p.m. We observe Polaris at western elongation with the 1st instrument 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 our station

Mch. 4th 1899.

Mch. 5th 1899: At 7 a.m. l.m.t., We lay off the azimuth of Polaris 1° 33' to the east. the true meridian thus determined falls on the mark set to

Subdivision of T. 41 S., R 25 E. Continued.

p. m. solar observations of both instruments Mch. 4th 1899.

At 8 a.m. l.m.t., We set off 37°10' N. on the lat arc: 5°56' S. on the decl. arc: of the 1st instrument and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

At 8 hrs 10 m a.m. l.m.t., We set off 37°10' N. on the lat arc: 5°56' S. on the decl arc: of the second instrument and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

The solar apparatus of each instrument by p.m. and a.m. observations defines positions for true meridians. Therefore We conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is N. 14°20' W.: the angle thus determined, reduced by the table page 100 of the Manual gives the mean mag. decl. 14°16' E.

From the cor. already described
We run
N. 0° 1' W. bet. secs. 35 and 36.
Ascending over rolling land
26.00 Begin steep ascent over broken ledges bear E and W.
30.00 Enter scattering cedar.
35.00 Stony ridge bears E and W. Descend.
40.00 Set a sandstone 22 x 10 x 4 ins. in a mound of stone for 1/4 sec cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base 1½ ft high W of cor.
Pits impracticable

Subdivision of T. 41 S., R. 25 E., continued.

chains

54.75 Wagon road, bears E. and W.

69.00 Bottom of ravine, 250 ft. deep. course W.
Begin ascending.

80.00 Set a sand stone 16 x 10 x 3 ins. 11 ins. in the ground for cor. of secs. 25, 26, 35 and 36. Marked with 1 notch on the S. and E. edges. Raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor.
Pits impracticable.
Land, mountainous.
Soil, sandy and stony 1st and 3rd
Scattering Cedar.
Mountainous land, 80.00 chs.

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

40.00 Set temp. 1/4 sec. cor.

80.02 Intersect N. and S. line 3 lks S. of the cor. of secs. 25, 30, 31 and 36.
Thence we run
89°59' W on a true line bet. secs. 25 and 36. ascending broken clay hills.

19.00 Ridge bears N. and S.
A prominent clay knole with cropping of sand stone ledge on top. Lies about 10 chs. S. Peters ripple.

Descend along broken hills sloping to ravine. N. Scattering Ceda.

40.01 Set a sand stone 12 x 12 x 8 ins. for 1/4 sec. cor. marked 1/4 S. on N. face raised a mound of stone 2 ft.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains	
	base 1½ ft high. N. of cor. Pits impracticable.
80.02	The cor. of secs. 25, 26, 35 and 36 Land, mountainous. Soil, stony clay and sand, 3rd rate. Scattering cedar. Mountainous land. 80.02 chs.
	Mch 5. 1899
	At this cor. we set off 5° 53' S. on decl. arc; and at 12hr 12mn l. m. t., observe the sun on the meridian, the resulting lat. is 37° 11' N.
	N. 0°01' W. bet. secs. 25 and 26. Descending over broken sand stone ledges. Scattering cedar.
1.00	Bottom of ravine 150 ft deep course S. 40° W. ascend.
15.00	Ravine, 250 ft. deep. course S. 70° W.
39.50	Top of ridge. bears N.E. and S. W. descend.
40.00	Set a sand rock 18 x 10 x 7 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
77.00	Ravine 50 ft. deep. course N. W.
80.00	Set a sand stone 24 x 8 x 6 ins. in a mound of rock. for cor of secs. 23, 24, 25 and 26, Marked with 2 notches on the S. and 1 notch on the E. edges. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Subdivision of T. 41 S., R. 25 E. Continued.

Chains.	
	Pits impracticable.
	Land, mountainous.
	Soil sandy and stony. 3rd rate.
	Scattering cedar.
	Mountainous land, 80.00 chs.
	N. 89° 59' E. on a random line bet. secs. 24 and 25.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect E. bdy. of Tp. 9 lks S. of the cor. of secs. 19, 24, 25 and 30.
	Thence N. 89° 55' W. bet. secs. 24 and 25.
	Descending through scattering cedars.
13.30	Leave cedars.
	Begin steep descent over broken, sand stone ledges. bears N. and S.
34.00	Foot of steep descent 350 ft below top.
35.00	Drain course S.
40.00	Set a sand stone 8 x 10 x 4 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
	Pits impracticable.
58.00	Drain course N. W.
80.04	The cor. of secs. 23, 24, 25 and 26.
	Land, mountainous
	Soil, stony 2nd and 3rd rate.
	Scattering cedar.
	Mountainous land, 80.04 chs.
	McN 5.1899

Subdivision of T. 41 S., R. 75 E., Continued.

Chains.	
	March 6 1899 at 8 a.m., l. m. t., we set off 37°12' N. on lat. arc; 5° 33' S. on ded. arc; and determine a true meridian with the solar, at the cor of secs. 23, 24, 25 and 26.
	Thence we run N. 0°01' W. bet. secs. 23 and 24 descending.
0.50	Bottom of ravine 40 ft. deep. course W.
12.50	Ravine 25 ft. deep. course N. W.
	ascend
25.00	Top of ridge, bears N.E. and S.W.
	descend
40.00	Set a sand stone 14 x 10 x 6 ins. for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
54.00	Bottom of ravine 50 ft. deep course S. W.
	ascend,
60.00	Begin steep descent. along E. side of hills.
80.00	Set a sand stone 14 x 12 x 6 ins. 10 ins. in the ground for cor. of secs. 13, 14, 23 and 24. marked with 3 notches on the S. and 1 notch on the E. edges. raised a mound of stone 2 ft base, 1½ ft. high W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, stony 2nd and 3rd rate.
	No timber
	Mountainous land, 80.00 chs.
	N. 89°55' E. on a random line bet. secs. 13 and 24.
40.00	Set temp. 1/4 sec. cor.

Subdivision, T41S, R.25E, Continued.

chains.	
80.06	Intersect E.bdy. of Tp. 9 lks N. of the Cor. of secs. 13, 18, 19 and 24. Thence We run S. 89°59' W. on a true line bet. secs. 13 and 24. Ascending through scattering cedar.
6.00	Spur projects N. descend. over broken sand stone ledges.
22.00	Begin steep descent. Ledges bear N.E. and S.W. leave cedar
40.03	On W. side of mountain 350 ft below sec. cor. set a sand stone 16 x 14 x 6 ins. 11 ins. in the ground, for 1/4 sec. cor marked 1/4 S. on N. face raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable
57.00	Bottom of ravine, 500 ft below mountain. Course S. begin ascending.
80.06	The cor of secs. 13, 14, 23 and 24 Land, mountainous soil, stony. scattering cedar, mountainous land, 80.06 chs. McW 6. 1899 At this cor. We set off 5°30' S. on ded. arc; and at 12 hrs 10 m l. m. t., observe the sun on the meridian, the resulting lat., is 37°13' N
	N. 0°01' W. bet. secs. 13 and 14. Descending over rolling land.
0.50	Spur projects E.
8.00	Ravine 150 ft below Cor.

Subdivision of T41S, R.25E. continued

Chains	
	Course E.
19.50	Drain. course E.
20.00	Enter rolling sand hills.
40.00	Set a sand stone 18×8×6 ins. 12 ins. in the ground, for 1/4 sec. Cor. marked 1/4 S on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits imp.
40.10	Trail bears E and W.
80.00	Set a sand stone 18×8×3 ins. 12 ins. in the ground, for cor. of secs. 11, 12, 13 and 14. marked with 4 notches on the S. and 1 notch on the E. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Land mountainous. Soil, sandy and stony. 1st and 3rd rate. No timber. Mountainous land, 80.00 chs.
	N 89°59' 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. 3 lks N. of the cor. of secs. 7, 12, 13 and 18. Thence We run. W on a true line bet. secs. 12 and 13. Ascending. Over rolling land,
10.00	Enter drain, along drain.
13.00	Leave drain, course N. W.
40.00	Set a sand stone 18×14×4 ins. 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains

Pits impracticable

40.50 Ravine 75 ft deep. course N. 10° E.

77.00 Drain course N.

80.00 The cor. of secs. 11, 12, 13 and 14.

Land, mountainous

Soil, gravelly. 1st rate.

No timber

Mountainous land, 80.00 chs.

N. 0° 01' W bet. secs. 11 and 12.

Ascending over rolling land,

6.00 Ridge, bears E. and W. descend,

30.00 Bottom of ravine 60 ft. deep. course N. E.

34.00 Begin steep descent.

40.00 Set a sand stone 16 x 12 x 4 ins. 12 ins in the ground for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base 1½ ft high W. of cor.

Pits impracticable.

52.00 Left bank of Mc Elmo wash 300 ft below sec. cor. course S. W.

Mc Elmo Creek 15 lks wide. flows S. W. along bottom

62.00 Begin steep ascent from bottom over broken sand stone ledges.

80.00 Set a sand stone 16 x 10 x 8 ins. 11 in the ground, for cor. of secs. 1, 2, 11 and 12. marked with 5 notches on the S. and 1 notch on the E edges a mound of stone 2 ft. base, 1½ ft high. W. of cor.

Pits impracticable.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains.	
	Land, mountainous Soil, stony 2nd and 3rd rate. No timber. Mountainous land. 80.00 chs. March 6 1899
	March 7 1899 At 8 a.m., l.m.t., We set off 37°15' N on lat arc; 5° 10' S on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 1, 2, 11 and 12. Thence We run 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 the cor. of secs. 1, 6, 7 and 12. Thence We run West on a true line bet. secs. 1 and 12. over rolling land,
6.75	Begin steep descent, over broken sand stone ledges.
18.00	Bottom of ravine, 100 ft. deep. Course S.W. ascend.
24.00	Top of knoll. descend.
32.00	Enter Mc Elms Bottom. dense as times a
37.00	Left bank of Wash. 15 ft high 200 ft wide. Creek 20 lks wide course S.W.
40.00	Set a sand stone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft base, 1½ ft. high N. of cor. Pits impracticable
42.00	Leave Bottom, begin steep ascent, along S.E. side of ridge.

Subdivision of T. 41 S., R. 25 E., continued.

Chains

- 80.00 The cor. of secs. 1, 2, 11 and 12.
Land, Mountainous
Soil, stony 2nd and 4th rate.
No timber
Mountainous land, 80.00 chs.

N. 0°01' W. bet. secs. 1 and 2.
Ascending over broken sand hills.

16.00 Top of Ridge, bears N. E. and S. W. descend

40.00 Set a sand stone 14 x 10 x 6 ins. 10 ins in the ground for 1/4 sec. cor. marked 1/4 S on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable

- 80.00 Intersect N. bdy. the 8th Standard Parallel South. 2.17 chs. W. of the Standard cor. of secs. 25 and 36.

Set a sand stone 18 x 10 x 5 ins. 14 ins. in the ground for closing cor to secs. 1 and 2.
Marked C. C. on S. with 1 groove on the E., and 5 grooves on the W. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable.
Land, Mountainous.
Soil, stony, 2nd and 4th rate.
No timber.
Mountainous land 80.00 chs.

March 7th, 1899.

Subdivision of T. 41 S., R. 25 E., continued.

Chains	
	March 5th 1899
	At 9 h. a. m. l. m. t.,
	We set off 37°10' N. on lat. arc;
	5°55' S. on decl. arc; and de-
	termine a true meridian
	with the solar at the cor.
	of secs. 2, 3, 34 and 35 on the
	S. bdy. of Tp.
	Thence We run
	N. 0°01' W. bet. sections 34 and 35
	ascend over rolling hills,
20.00	Wagon road
	bears N. W. and S. E.
40.00	Set a sand stone 16 x 10 x 4 ins
	11 ins. in the ground for 1/4
	sec. cor. marked 1/4 S on W.
	face, raised a mound of stone
	2 ft. base, 1 1/2 ft. high W. of
	Cor.
	Pits impracticable.
80.00	Set a cobble rock 18 x 12 x 6
	ins. 12 ins. in the ground
	for cor. of secs. 26, 27, 34 and 35
	marked with 2 notches on
	the E. and 1 notch on the S.
	edges, raised a mound of
	stone 2 ft. base, 1 1/2 ft. high
	W. of Cor.
	Pits impracticable.
	Land, rolling,
	soil, sandy 1st rate
	No timber
	East on a random
	line bet. secs.
	26 and 35
40.00	Set temp. 1/4 sec cor.

Subdivision T41 S, R. 75 E, Continued

Chains.

80.00 Intersect N. and S. line at the cor. of secs. 25, 26, 35 and 36.
Thence We run
West on a true line bet. secs. 26 and 3
Over rolling land,
broken Sand stone ledges.

40.00 On S. side of slope to cañon.
set a cobble rock 18 x 10 x 4 ins.
12 ins. in the ground for 1/4
sec. cor. marked 1/4 S. on N. face,
raised a mound of stone
2 ft. base, 1 1/2 ft. high. N. of cor.
Pits impracticable.
Descend over gravelly land,

61.50 Foot of steep descent.
Over rolling hills.

72.00 Wagon road
bears N. W. and S. E.

80.00 The cor. of secs. 26, 27, 34 and 35.
Land, Mountainous and rolling.
Soil sandy and stony 1st and 3rd rate.
No timber
Mountainous land 80.00 chs.

W. bet. secs. 27 and 34.
Gradual descent.

40.00 Set a cobble stone 14 x 12 x 6 ins.
8 ins. in the ground for 1/4 sec.
cor. marked 1/4 S. on N. face,
raised a mound of stone 2 ft.
base, 1 1/2 ft. high. N. of cor.
Pits impracticable.

40.60 Wagon road
bears N. W. and S. E.

42.00 Begin steep descent.

45.25 Enter Sanjuan River bottom
bears N. W. and S. E. thence through
dense artimesa

Subdivision of T. 41 S., R. 25 E. Continued

Chains	
49.00	Right bank of San Juan River bears N.W. [illegible]
7.00	Set a sandstone 14×12×6 ins.
12.00	10 ins. in the ground for
	Meander cor. to fracl. secs. 27 and 34
	marked M.C. on E.
	With 1 groove on S. faces,
	raised a mound of stone 2 ft. base,
	1½ ft. high E. of cor.
	Pits impracticable.
	Land, rolling
	soil, sandy 1st rate.
	No timber
	Dense Artemisa and mts land, 7 chs.

March 5, 1899 at the cor. of secs. 26, 27, 34 and 35 We set off 5° 5¾' S. on decl. arc; and at 12 hrs. 10 m. l.m.t., observe the sun on the meridian the resulting lat. is 37° 11' N

From the above cor.

N. 0°01' W. bet. secs. 26 and 27.

Ascending over rolling land,

2.25 Wagon road bears E and W.

40.00 Set a cobble stone 14×10×6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.

80.00 Set a cobble stone 12×8×8 ins. 8 ins. in the ground, for cor. of secs. 22, 23, 26 and 27 marked with 2 notches on the S. and E. edges.

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

Pits impracticable

Land, rolling

Subdivision T41 S, R. 25 E, Continued.

Chains.

Soil, gravelly sand, 1st rate.
No timber.

East on a random line bet.
secs. 23 and 26.
40.00 Set temp. 1/4 sec. cor.
80.06 Intersect N. and S. line 4 lks S. of
the cor. of secs. 23, 24, 25 and 26.
Thence W E run
S. 89°58' W. on a true line bet.
secs. 23 and 26.
Descending over rolling hills.
40.03 Set a sand stone 16x10x4 ins. 11 ins.
in the ground for 1/4 sec. cor. marked
1/4 S. on N face, raised a mound
of stone 2 ft base, 1½ ft. high. N.
of cor. Pits impracticable.
45.00 Begin steep descent off
bench.

80.06 The cor. of secs. 22, 23, 26 and 27.
300 ft. below Sec. cor.
Land, mountainous
Soil gravelly, 2nd rate.
No timber
Mountainous land. 80.06 chs.
March 5, 1899

" ch 6 1899 At 8 a.m., l.m.t, We set
off 3°02' N. on lat. arc, 5°33' S.
on decl. arc; and determine a
true Meridian with the solar,
at the cor. of secs. 22, 23, 26 and 27.
Thence We run
N. 0°01' W. bet. secs. 22 and 23.
Ascending over rolling sand.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains.	
	hills.
40.00	Set a sand stone 14 x 8 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
76.00	Drain S. N.
76.25	Begin steep ascent over broken sand-stone ledges. bear E. and N.
80.00	Set a sand stone 24 x 18 x 18 ins. in a mound of stone, for cor. of secs. 14, 15, 22 and 23. marked with 3 notches on the S. and 2 notches on the E. edges, raised a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
4.00 / 76.00	Land, rolling and Mountainous
	Soil, gravelly 2nd rate.
	No timber
	Mountainous land 4.00 chs.
	N 89° 58' E. on a random line bet. secs. 14 and 23.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. 4 lks. N. of the cor. of secs. 13, 14, 23 and 24
	Thence N. 1/2 run
	West on a true line bet. secs. 14 and 23.
	Ascending over broken sand stone hills, on S. side.
17.00	Descend,
40.00	Set a sand stone 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone, 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.

Subdivision of T. 41 S., R. 25 E. Continued

Chains.	
61.00	Spur projects S.
80.00	The cor. of secs. 14, 15, 22 and 23. Land, mountainous. Soil, stony. 3rd rate. No timber. Mountainous land 80.00 chs. March 6 1899 At this cor. N E set off 5° 30' S. on decl. arc; and at 12h 11m l. m. t, Observe the sun on the meridian. the resulting lat. is 37°, 13' N
	N 0°01' W. bet. secs. 14 and 15. Ascending over broken Sand Stone ledges. bear E & W.
4.00	Top of steep ascent. bears E and W. Leave broken Sandstone ledges Over rolling Mesa.
40.00	Set a sand-stone 14×10×6 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
80.00	Set a sandrock 18×10×5 ins. 12 ins. in the ground for cor. of secs. 10, 11, 14 and 15. marked with 4 notches on the S. and 2 notches on the E. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable. Land, mountainous. Soil, stony. 2nd rate. No timber. Mountainous land 80.00 chs.

Subdivision of G. & S. R. 256, Continued

Chains	
	East 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 the cor. of secs. 11, 12, 13 and 14.
	Thence we run N.
	West on a true line bet. secs. 11 and 14.
	Ascending over rolling mesa.
15	Soil sandy [illegible]
40.00	Set a sand stone 16 x 7 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 11. on N. face, raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
47.00	Drain course N.
60.00	Ravine 75 ft deep. course N.
80.00	The cor. of secs. 10, 11, 14 and 15.
	Land, mountainous
	Soil, sandy
	No timber
	Mountainous land, 8.00 chs.
	March 6 1899

March 7 1899 At 8 a.m. l.m.t., we set off 37°14 N on lat. arc; 5° 10' S on Decl. arc; and determine a true meridian with the solar at the cor. of secs. 10, 11, 14 and 15.

Thence we run N. 0°01' W. bet. secs. 10 and 11.

Descending

8.75	Begin steep descent
11.00	Bottom, Mc Elmo Canon
16.00	Left bank of wash, 10 ft high.
	and Creek 20 lks wide, flows W.
27.00	Right bank of wash 10 ft high
	Begin ascending broken land

Subdivision of T. 41 S., R. 25 E., continued.

chains	
	Stone hills.
40.00	Set a sand stone 14 x 12 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
80.00	On small flat top ridge, bears S.W. and N.E.
	Set a sand stone 14 x 10 x 5 ins. 10 ins. in the ground for cor. of secs. 2, 3, 10 and 11. marked with 5 notches on the S. and 2 notches on the E. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 2nd and 3rd rate.
	No timber
	Mountainous land, 80.00 chs.
	East on a random line bet. secs. 2 and 11.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line at the cor. of secs. 1, 2, 11 and 12.
	Thence West on a true line bet. secs. 2 and 11.
	Ascending over broken sandstone ledges.
15.00	Top of spur, projects S.W.
16.00	Begin steep descent.
25.50	Bottom of ravine 300 ft. deep; course S. ascend.
40.02	Set a sand stone 18 x 10 x 3 ins. 12 ins. in the ground for

Subdivisions of T. 41 S., R. 25 E., Continued

Chains	
	1/4 sec. cor. marked 1/4 S on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
70.00	Top of ridge bears N.E. and S.W.
	descend.
80.04	The cor. of secs. 2, 3, 10 and 11.
	Land, mountainous
	Soil, stony 4 F rate.
	No timber
	Mountainous land 80.04 chs.
	At this cor. a stationary cloud obscures the sun can take no observation for lat.
	N. 0°01' W. bet. secs. 2 and 3.
	line crosses cañon over which we cannot chain. Set a flag on N. side of cañon 300 ft. deep, course S.W. land at the cor. we measure a base N. 89°59' E. 17.50 chs. to a point from which the flag bears N. 45°01' W. which gives for the distance by traverse table [illegible]
17.50	Over rolling
	Land,
40.00	Set a sand stone 20 x 8 x 6 ins. 16 ins. in the ground and mound of stone for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
49.50	Wagon road
	bears N.E. and S.W.
56.00	Ravine 100 ft. deep course S.E.
60.00	Same ravine 75 ft deep course S.W.

Subdivisions of T. 41 S., R. 25 E. Continued.

Chains	
76.00	Ridge, bears S.W. and N.E. descend.
80.00	Intersect 8th Standard Parallel South. 8.17 chs. West of the Standard Cor. of secs. 34 and 35. Set a sand stone 14×12×4 ins. 10 ins. in the ground for closing cor. to secs. 2 and 3. Marked C.C. on S. with 4 grooves on the N. and 2 grooves on the E. faces. raised a mound of stone 2 ft base 1½ ft. high S. of cor. Pits impracticable. Land, Mountainous Soil, stony, 2nd and 3rd rate. No timber Mountainous land 80.00 chs. March 7th 1899.
	March 8th 1899. At 8 a.m. l.m.t., We set off 37°14' N. on lat. arc; 4°46' S. on decl. arc; and determine a true Meridian at the cor. of secs. 10, 11, 14 and 15. As there is No South boundary We proceed in accordance with the Manual Thence We run West on random Auxiliary base line setting temp ¼ sec. and sec. cors at intervals of 40.00 chs., and at 3 miles 77.40 chs. Intersect W. bdy of T.P. at the cor. of secs. 7, 12, 13 and 18. Set by us. March 8th 1899. at this cor. We set off 4°43' S. on decl. arc; and at 12 h. 11 m. l. m. t., observe the sun on the meridian the resulting lat is 37°14' N. March 8th 1899.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains	
	March 9th 1899.
	At 8 a.m., l.m.t., We set off 37°14' N. on lat. arc; 4°22' S. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 7, 12, 13 and 18.
	Thence we run East on a true line placing fractional distance in the Western ½ mile bet. secs. 7 &
	Over nearly level land, through dense Artimesa and cottonwood timber
4.00	Leave timber
20.15.	Pole fence, bears N. 5° W. and S. 5° E.
	A. J. Dozier's claim lays West of this line, and his house stands about 6 chs. S. ascending.
20.50	Wagon road, bears N. and S.
24.00	Enter rolling hills. Leave Artimesa.
37.40	Set a cobble stone 18×6×5 ins 12 ins in the ground, for ¼ sec. cor. marked ¼ S on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor. Pits impracticable.
53.00	Begin steep ascent.
67.50	Top of ridge, bears N.E. and S.W. descend over broken sandstone ledges, bear N.E. and S.W.
71.00	Wagon road bears N.E. and S.W.
71.50	Enter Wash and Cañon 200 ft. deep. Course S.W. along wash
77.40	Near East bank of Wash.
	Set a sand stone 12×12×4 ins. 8 ins. in the ground, for cor. of secs. 7, 8, 17 and 18. Marked with 5 notches on the E. and 4 notches on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
	Land, mountainous
	Soil, sandy and stony, 1st and 3rd rate.
	Cottonwood timber
	Mountainous land and dense undergrowth
	77.40 chs.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains.	
	East bet. secs. 8 and 17.
2.00	East side of wash bank 10 ft. high bears N. E. and N.
	Begin steep ascent over broken ledges
20.00	Top of steep ascent over rolling hills.
40.00	Set a sandstone 20 x 10 x 6 ins. in a mound of stone, for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
54.00	Trail bears N. and S.
60.00	Begin steep ascent along N. W. slope of mountain.
78.00	Top of mountain end of steep slope
80.00	Set a sand stone 18 x 8 x 6 ins in a mound of stone, for cor. of secs. 8, 9, 16 and 17. marked with 4 notches on the S. and 3 notches on the E. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Land, mountainous. Soil, stony 3rd rate. No timber Mountainous land, 80.00 chs. March 9th 1899. At this cor. we set off 4°20' S. on decl. arc; and at 12 h. 11 m. l. mt. Observer the sun on the meridian the resulting lat. is 37°14' N.
	East bet. secs. 9 and 16. Descending over broken sand stone ledges.
40.00	Set a sand stone 12 x 12 x 6 ins. 6 ins. in the ground for

Subdivision of T. 41 S., R. 25 E., continued

Chains	
	1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable
77.00	Foot of mountain and bottom of McElmo wash bears N.E. and S.W. Ended dense undergrowth Attimesa.
75.00	McElmo creek, 15 lks. wide flows S.W.
80.00	Set a sand stone 16 x 12 x 4 ins. 11 ins. in the ground for cor. of secs. 9, 10, 15 & 16. Marked with 4 notches on the S. and 3 notches on the E. edges. Raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Land, mountainous Soil, sandy & stony, 2nd and 4th rate. No timber Mountainous land 80.00 chs.
	East bet. secs. 10 and 15. Along bottom through dense Attimesa.
5.00	Left bank of McElmo creek 15 lks wide course N.W.
8.50	Right bank of same course S.W.
29.50	Left bank same course N.W.
38.75	Left bank of same course S.W. along bottom
40.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, and raised

Subdivision T. 41 S., R. 25 E., Continued.

chains.

A mound of stone 2 ft. base, 1½ ft. high.
N. of cor.
Pits impracticable.
52.50 Leave bottom and dense artimesa
Begin steep ascent. over broken
sandstone ledges. bear N.E. and S.W.
65.00 Top of steep slope bears
N.E. and S.W.
Leave ledges.
Over rolling land.
80.00 The cor. of secs. 10, 11, 14 and 15
Land, mountainous
Soil, stony 1st and 4th rate.
No timber
Mountainous land 80.00 chs.
March 9th 1899

March 10. 1899
At 8 a.m., l. m. t., We set off
37°14' N. on lat. arc. 3° 59' S. on
decl. arc; and determine a true
meridian with the solar. at the
cor. of secs. 9, 10, 15 and 16.
Thence We run
S. 0° 02' E. bet. secs. 15 and 16.
Ascending through dense artimesa
9.00 Leave bottom and dense artim.

13.00 Spur, projects S.W.
25.00 Begin steep ascent over broken
nd stone ledges.
bear S. 10° E. and N. 10° W.
40.00 Set a sand rock 10 × 10 × 6 ins.
6 ins. in the ground, for ¼
sec. cor. marked ¼ S. on the
W. face, raised a mound of stone.
2 ft. base, 1½ ft. high W. of cor.
Pits impracticable.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains	
49.00	Top of mountain and ridge 500 ft. above cor. bears N. E. and S. W. Leave ledges, descend over rolling land.
78.00	Begin steep descent, over broken sand stone ledges, bears E. and W.
80.00	Set a sandrock 16 x 12 x 6 ins. 11 ins. in the ground, for cor of secs. 15, 16, 21 and 22. Marked T. 41 S. on N. E. R. 25 E. on S. E. faces, with 3 notches on the S. and E. edges. Raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous Soil, sandy and stony, 1st and 4th rate. No timber. Mountainous land, 80.00 chs.
	East on a random line bet. secs. 15 and 22.
40.00	Set temp ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 14, 15, 22 and 23. Thence We run West on a true line bet secs. 15 and 22. Descending over broken sand-stone ledges and boulders bear. N. and S.
[illegible]	[illegible]
25.00	Ravine 60 ft. deep course S. ascend
28.00	Begin steep ascent.
33.10	Top of steep ascent, bears N. and S. Leave sand stone ledges.
36.00	Ravine 50 ft. deep course S.
40.00	Set a sandrock 16 x 14 x 6 ins. 11 ins. in the ground for ¼ sec. cor.

Subdivision of T. 41 S., R. 25 E. Continued.

Chains	
	Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
50.00	Topofridge bears N. and S. descend.
72.00	Begin steep descent over broken sandstone ledges. bear N. W. and S. E.
76.00	Spur projects S.
80.00	The cor. of secs. 15, 16, 21 and 22. Land, mountainous. Soil, stony 2nd and 4th rate. No timber. Mountainous land, 80.00 chs. Mch 10. 1899 At this cor, N E set off 3° 56' S. on decl. arc; and at 12 hrs 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37°13 N
	S 0° 02' E. bet. secs. 21 and 22 Descending over broken sand stone ledges.
5.00	Begin steep descent. bears E. and N.
12.00	Foot of steep descent Over rolling hills.
38.75	Trail bears N. E. and S. W.
40.00	Set a sand stone 18 x 12 x 3 ins. 12 ins in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
58.65	Wagon road bears E. and N.
61.11	H. R. Antles Building and Claim lays N. 21 chs distant.
67.50	Sand stone Ledges bear E. and N.

Subdivision of T. 41 S., R. 25 E., Continued

Chains	
67.90	Enter River bottom dense artimesa
80.00	Set a cobble rock 18x12x5 ins. 12 ins. in the ground, for cor. of secs. 21, 22, 26 and 27. Marked with 3 notches on the E. and 2 notches on the S. edges. Raised a mound of stone, 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. Mountainous land, Soil, sandy and stony 1st and 3rd rate. No timber. Mountainous land and dense Artimesa 80.00 chs.
	East on a random line bet. secs. 22 and 27.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 22, 23, 26 and 27. Thence We run West on a true line bet. secs. 22 and 27 Descending over rolling foot hills.
38.00	Wagon road bears S.E. and N.W.
40.00	Set a cobble rock 12x10x6 ins. 8 ins. in the ground, for ¼ sec. Marked ¼ S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
46.00	Wagon road bears N.W. and S.E.
52.00	road bears S.E. and N.W.
57.00	Ravine 35 ft deep Course S.W.
61.00	Foot of hills Enter bottom and dense Artimesa.
69.00	Road bears S.W. and N.E.

Subdivision of T. 41 S., R. 25 E. - continued.

Chains.
80.00 The cor. of secs. 21, 22, 27 and 28.
Land, mountainous
Soil, sandy 1st and 2nd rate.
No timber
Mountainous land and dense artimesa
80.00 chs.

West bet. secs. 21 and 28.
Descending through dense artimesa
17.00 Nail. - bears N. W. and S. E.
40.00 Set a sandstone 15 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S on N. face, raised a mound of stone 2 ft. base 1½ ft. high. N. of cor. Pits impracticable.
47.20 Right bank of San Juan river bears N. W. and S. E. Set a cottonwood post 3 ft long 4 ins. square 24 ins in the ground for meander cor. to fract. secs. 21 and 28. Marked M.C. on W. with T. 41 S. S. 21 on N., R. 25 E. on E., S. 28 with 1 groove on S face raised a mound of stone 2 ft. base, 1½ ft. high E. of cor.
Pits impracticable.
Land, nearly level
Soil sandy 1st rate
No timber
Dense undergrowth 47.20 chs.

From the cor. of secs. 21, 22, 27 and 28
The run
S. 0° 02' E. bet. secs. 27 and 28.
descending through dense artimesa
5.10 Wagon road.
bears N. E. and S. W.
26.35 Nail.
bears N. E. and S. W.

Subdivision of T. 41 S., R. 25 E., continued.

Chains	
32.25	Right bank of San Juan River bears N.W. and S.E. Set a cotton wood post 3 ft. long 4 ins. sq. 24 ins. in the ground for meander cor. to fracl. secs. 27 and 28. Marked M.C. on S., R. 26 E., S. 27 on E., S. 28 on W., with 3 grooves on E. faces. dug a pit 36 x 36 x 12 ins. 8 ft. N. of cor and raised a mound of earth 4 ft. base, 2 ft. high N. of cor. Land nearly level. Soil sandy. 1st rate. No timber. Dense undergrowth. 32.25 chs. March 10th 1899.
	March 10th 1899. At 8 a.m. l.m.t., the set off 37°14' N. on lat. arc; 3°59' S. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 and 16. Thence the run. N. 0°02' W. bet. secs. 9 and 10. Through dense arbinesa
30.00	McElms Wash, and creek 20 lks. wide flows West
60.00	Leave the Elms Cottonwood and undergrowth. Ascend along East slope of ridge over broken sand stone ledges.
80.00	Set a sand stone, 4 x 12 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
72.00	Top of spur bears N.E. descend
80.00	Set a sand stone 16 x 8 x 8 ins. 11 ins. in the ground for cor. of secs.

Subdivision of T. 41 S., R. 25 E., Continued.

Chains	
	3, 4, 9 and 10. marked with 5 notches on the S. and 3 notches on the E. edges raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable. Land, mountainous. Soil, stony, 2nd and 4th rate. No timber. Mountainous land, 80.00 chs.
	East on a random line bet. secs. 3 and 10.
40.00	Set temp. ¼ sec. cor.
48.00	Line crosses Box Cañon 300 ft. deep through which we cannot chain.
48.00	Set a flag on line across cañon and measure a base N. 20. chs. to a point from which the flag bears S. 45°00' E. which gives for distance, by traverse table 20.00. chs. which added to 48. chs makes
68.00	East side of Box Cañon 300 ft deep. 9. chs. wide. Course S. N.
80.00	Intersect N. and S. line at the cor. of secs. 2, 3, 10 and 11. Thence we run West on a true line bet. secs. 3 and 10. Descending
12.00	East side of Box Cañon 300 ft deep, course S. N. and point of triangulation
32.00	~~Over broken~~ sand stone ledges.
40.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for ¼ sec. cor. Marked ¼ S. on N. face

Subdivision of T. 41 S., R. 25 E. Continued

Chains	
	raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
66.00	Bottom of cañon 250 ft. deep. Course S. Old road down cañon ascend.
80.00	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous
	Soil, stony 2nd and 4th rate.
	No timber
	Mountainous land, 8.00 chs.
	N. 0°07' W. on section line bet. secs. 3 and 4. Descending.
5.00	Ravine 150 ft. deep course E. ascend.
40.00	On top of sand stone ledge 15 ft. high, bears N. 10° E. and S. 10° W. Set a sand rock 18 x 8 x 8 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Over broken hills sloping E.
77.00	Wagon road bears N. E. and S. W.
80.00	Intersect 8th standard parallel south 8.17 chs. W. of the standard cor. of secs. 33 and 34.
	Set a sand stone 16 x 10 x 8 ins. 11 ins. in the ground for closing cor. to secs. 3 and 4 marked C. C. on S. with 3 grooves on the E. and W. faces raised a mound of stone 2 ft. base 1½ ft. high S. of cor.
	Pits impracticable.

Subdivision of T. 41 S., R. 25 E., continued.

Chains.	
	Land mountainous Soil, stony 2nd & 4th rate No timber Mountainous land, 8 acres. Stationary cloud obscures the sun can take no observation for latitude this day. March 10th 1899.
	March 11th 1899. At 8 a.m., l.m.t., sun set off 37°14' N. on lat. arc; 3°36' S. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 8, 9, 16 and 17: Thence run S. 0°03' E. bet. secs. 16 & 17. ascending.
10.00	Begin steep descent over broken sand stone ledges, bear E. & W.
20.00	Foot of mountain, steep slope over rolling foot hills.
40.00	350 ft. below sec. cor. Set a sand stone 16 x 8 x 4 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable
55.00	N. bank of Mc Elmo wash, course N.
67.00	Mc Elmo creek 20 lks wide flows West.
63.00	S. bank of Mc Elmo, wash 20 ft. high. ascends.
70.50	Wagon road, bears N. N. W. & S. E.
72.00	Top of ridge bears N. N. W. & S. E.
76.00	Foot of Bluff Enter San Juan river bottom

Chains.	
	bears N. 7° W. and S. E.
80.00	Set a sandstone 16 x 10 x 5 ins. 12 ins. in the ground for cor. of secs. 16, 17, 20 and 21, marked with 4 notches on the E. and 3 notches on the S. edges, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 1st and 4th rate.
	No timber
	Mountainous land, 60.00 chs.
	East on a random line bet. secs. 16 and 21.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22.
	Thence we run
	West on a true line bet. secs. 16 and 21
	Ascending over broken sandstone ledges.
9.00	Spur projects S.
20.00	Foot of steep descent.
	Rolling hills.
40.00	Set a sand stone 14 x 13 x 10 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1½ ft. high N. of cor.
	Pits impracticable.
65.00	Wagon road
	bears N. 80° W. and S. 80° E.
70.00	J. V. Pesto's store on claim lays N. 3 chs.
74.00	Begin steep descent.
	bears N. 7° W. and S. E.

Subdivision of T. 41 S., R. 25 E., continued.

Chains.

76.00 Old wagon road, bears N. W. and S. E.

80.00 The cor. of secs. 16, 17, 20 and 21.

Land, mountainous

Soil, stony and sandy. 1st and 3rd rate

No timber

Mountainous land, 80.00 chs.

March 11th, 1899

At this cor. we set off 3°32' S. on decl. arc: and at 12 hrs 10 m. l. m. t. observe the sun on the meridian the resulting lat. is 37°13' N.

S. 0°03' E. bet. secs. 20 and 21.

Over nearly level land, dense undergrowth.

3.00 Enter young growth of cottonwood.

9.25 Old river bed, course W.

17.00 S. bank of old river bed course West.

40.00 Set a sand stone 15×10×4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S on W. face, raised a mound of stone 2 ft. base 1½ ft high W of cor. Pits impractic le.

Right bank of San Juan river bears N. W. and S. E.

45.10 Set a sand stone 16×10×5 ins. 11 ins. in the ground for Meander cor. to secs. 20 and 21. Marked M.C. on S. with 4 grooves on E. face, raised a mound of stone 2 ft. base, 1½ ft. high N of cor.

.50

3.10

Pits impracticable.

Land, level

soil, sandy, 1st rate,

Cottonwood timber

Dense undergrowth 42.00

Subdivision of T. 41 S., R. 25 E. continued

Chains	
	March 11th, 1899.
	At 8 a.m. l.m.t., I set off 37°14' N. on lat. arc; 3°36' S. on decl. arc; and determine a true meridian with the polar at the cor. of secs. 8, 9, 16 and 17.
	Thence I run
	N. 0°03' W. bet. secs. 8 and 9.
	Descending over broken sandstone ledges.
12.00	Bottom of ravine 250 ft. deep. Course W. ascend.
40.00	Set a sandstone 16×10×4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor.
	Pits impracticable.
42.00	Top of mountain 600 ft. high and ridge bears N.E. and S.W.
	Descend.
53.00	Foot of mountain, bears N.E. and S.W.
	Leave Ledges.
75.50	Wagon road
	bears N.E. and S.W.
76.00	Bottom of ravine, 50 ft. deep. course S.W.
80.00	Set a sandstone 18×10×6 ins. 12 ins. in the ground for cor. of secs. 4, 5, 8 and 9. marked with 5 notches on the S. and 4 notches on the E. edges, raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony, 2nd and 4th rate.
	No timber.
	Mountainous land, 8000 chs.
	East on a random line bet. secs.

Subdivision of T. 41 S., R. 25 E., continued.

Chains.

4 and 9.

40.00 Set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 3, 4, 9 and 10.

Thence Westerly

West on a true line bet. secs. 4 and 9. ascending.

18.00 Top of ridge bears N. and S. W.

Descend.

40.00 Set a sand rock 16 x 8 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

Pits impracticable.

77.00 Wagon road, bears N.E. and S.W.

77.10 Bottom of ravine. Course S.W.

80.00 The cor. of secs. 4, 5, 8 and 9.

Land, mountainous

Soil, stony 3rd rate.

No timber.

Mountainous land, 80.00 Chs.

March 11th 1899.

At this cor. the set. off 3°32' S. on decl. arc; and at 12 hrs 10 m. L. m. t., observe the sun on the meridian the resulting lat. is 37°15' N.

N. 0°03' W. bet. secs. 4 and 5.

Ascend.

16.00 Top of ridge, bears N.E. and S.W.

Descend along W. side of ridge

40.00 Set a sand stone 16 x 10 x 4 ins 11 ins. in the ground.

Subdivision of T. 41 S., R. 25 E., continued

Chains	
	for 1/4 sec. cor. Marked 1/4 S on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
62.00	Foot of slope, and bottom of cañon, bears N.E. and S.W.
68.00	Leave bottom ascend along W. side of cañon, over broken sand stone ledges.
80.00	Intersect 8th Standard Parallel South 8.17 chs. West of the standard cor. of secs. 32 and 33.
	Point falls on solid sand stone ledge for closing cor. of secs. 4 and 5, marks a cross on ledge with C.C. on S. 4 grooves on E. and 2 grooves on W. sides.
	raised a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony. 3rd rate.
	No timber
	Mountainous land, 80.00 chs.
	March 11th 1899.
	March 11th 1899.
	At 2 h. 30 m. p.m., l.m.t.
	We set off 37°14' N. on lat. arc; 3°30' S. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 7, 8, 17 and 18.
	Thence we run
	S. 0°03' E. bet. secs. 17 and 18.
1.00	Bank of wash 8 ft. high bears W. and N.W. ascend
4.00	Spur, projects S.W. descend.

Subdivision of T. 41 S., R. 25 E., continued.

Chains.

8.00 Ravine 75 ft. deep, course S. W.
23.50 Descend off 2nd bench bears E. and W.
26.00 Enter river bottom
Wagon road
bears N. W. and S. E.
33.20 Clay bank 8 ft. high, bears E. and W.
40.00 Set a sand stone 16 x 12 x 3 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high. No loc. Pits impracticable.
60.00 N. bank of McElmo wash.
63.00 Creek, 20 ft. wide flows W.
63.25 S. bank of McElmo wash 4 ft. high, bears S. W. and N. E.
80.00 Set a cotton wood post 3 ft. long 4 ins. square, with a marked stone 24 ins. in the ground for cor. of secs. 17, 18, 19 and 20. Marked T. 41 S. S. 17 on N. E. R. 25 E. S. 20 on S. E., S. 19 on S. W. S. 18 on N. W., faces, with 5 notches on the E. and 3 notches on the S. edges. dig pits 18 x 18 x 12 ins. in each section 5½ ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high N. of cor.
Land, mountainous
Soil, stony and sandy, 1st and 2nd rate.
No timber
Mountainous land 2600 chs.

East on a random line bet. secs. 17 and 20.
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect N. and S. line at the cor. of secs. 16, 17, 20 and 21.

Subdivision of T. 41 S., R. 25 E., continued.

Chain

Thence We run
West on a true line bet. secs.
17 and 20.

3.00 Enter dense undergrowth of young cotton wood timber.

8.00 Leave timber

40.0 Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S on N. face raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor.
Pits impracticable.

43.50 Fence bears, N. W. and S. E.

66.50 Fence bears, N 10° W

80.00 The cor. of secs. 17, 18, 19 and 20.
Land nearly level
Soil, sandy, 1st rate.
scattering cotton wood,

S. 0°03' E. bet. secs. 19 and 20.

8.00 Right bank of San Juan river.
bears N. W. and S. E.
Set a sand stone 12 x 12 x 5 ins. 8 ins. in the ground for Meander cor. to fracl. secs. 19 and 20.
Marked M. C. on S. with 5 grooves on E. faces. dig pit 36 x 36 x 12 ins. 8 ft. N. of stone; and raise a mound of earth 4 ft. base, 2 ft high N. of cor.
Land, level
Soil, sandy; 1st rate
scattering cotton wood
The Land in this vicinity is under cultivation by the Navajo indians

Subdivision of T. 41 S., R. 25 E., continued.

Chains.

From the cor. of secs. 17, 18, 19 and 20
We run West bet. secs. 18 and 19
Over nearly level land.

7.92 Right bank of San Juan river
bears N. W. and S. E.
Set a sand stone 12 x 10 x 5 ins.
8 ins. in the ground for meander cor. to fracl. secs. 18 and 19.
marked M. C. on W. with 3
grooves on S. faces, dig pits
36 x 36 x 12 ins. 8 ft. E. of cor.
raise a mound of earth
4 ft base, 2 ft. high E. of cor.
Land level.
Soil sandy ___ 1st rate.
Scattering cotton wood.

March 11th, 1899.

March 12th, 1899.

At 8 a.m. l. m.t.,
We set off 37°14' N. on lat. arc; 3°12'
S. on decl. arc; and determine a
true meridian with the solar. at
the cor. of secs. 7, 8, 17 and 18.
Thence We run
N. 0°03' W. bet. secs. 7 and 8.
Along ravine
5.50 Wagon road,
bears N.E. and S.W.
6.50 Leave ravine, ascend over
broken sand stone ledges.
34.50 Top of ridge bears E. and W.
36.00 Begin steep descent.
40.00 Set a sand stone 16 x 10 x 6 ins.
11 ins. in the ground for 1/4
sec. cor. marked 1/4 S. on W.
face, raised a mound of
stone 2 ft. base, 1 1/2 ft. high W.
of cor.

Subdivision of T. 41 S., R. 25 E. continued

Chains	
	Pits impracticable.
	Begin ascending over rolling hills
10.00	Set a sand stone 16 x 10 x 6 ins 11 ins in the ground for cor. of secs. 5, 6, 7 and 8. Marked with 5 notches on the S. and E. edges, raised a mound of stone 2 ft base, 1½ ft. high N. of cor.
	Pits impracticable
	Land, mountainous
	Soil, stones 2nd and 3rd rate.
	No timber.
	Mountainous land, 80.00 chs.
	East on a random line bet. secs. 5 and 8.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 4, 5, 8 and 9.
	Thence Nre run
	West on a true line bet. secs. 5 and 8.
11.60	Top of ridge & spur projects S. N. descend.
24.00	Bottom of Cañon 200 ft. deep course S. 5° N.
37.00	Begin steep ascent.
40.00	Set a sand stone 16 x 14 x 4 ins, 11 ins in the ground for ¼ sec. cor. marked ¼ S. on N. face raised a mound of stone 2 ft base, 1½ ft. high N. of cor.
	Pits impracticable.
47.00	Top of steep ascent bears N.E. & S.W.
59.50	Top of ridge 600 ft above cor. bears N.E. & S.W.
68.00	Front of steep descent. bears N.E. and S.W.

Subdivision of T. 41 S., R. 25 E., continued.

Chains.	
80.00	The cor. of secs. 5, 6, 7 and 8. Land mountainous. Soil, stony, 2nd and 3rd rate. No timber. Mountainous land, 80.00 chs.
	Pass on a random line bet. secs. 6 and 7.
40.00	Set limp 1/4 sec. cor.
77.39	Intersect W. bdy. of Tp. at the cor. of secs. 1, 6, 7 and 12. Thence we run East on a true line bet. secs. 6 and 7 ascending along N. side of ridge over broken sand stone ledges.
73.50	Top of ridge bears N. E. and S. 70° W. descend.
37.39	Set a sand stone 15 x 12 x 10 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
77.39	The cor. of secs. 5, 6, 7 and 8. Land mountainous. Soil, stony, 3rd rate. No timber. Mountainous land, 77.39 chs. March. 12th 1899. At this cor. we set off 3°09' S. on decl. arc; and at 12 hrs. 10 m. L. m. t., observe the sun on the meridian, the resulting lat. is 37°15 N.
	N. 0°03' W. bet. secs. 5 and 6. Over rolling land,
22.00	Begin steep ascent. bears N. 20° W. and S. 20° E.
35.00	Top of steep ascent and rocky

Chains.	
	ridge bears W. and S.E.
40.00	Set a sand stone 15x12x5 ins. 10 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W. face, raised a mound of stone 2ft. base, 1 1/2 ft. high W. of Cor.
	Pits impracticable.
45.00	Top of ridge bears N.E. 3/4 S.W.
	Descend along W. side of ridge over broken sand stone ledges and boulders.
80.06	Intersect 8th Standard Parallel South 8.20 chs. W. of the standard Cor. of secs. 31 and 32.
	Set a sand stone 16x10x5 ins. 11 ins. in the ground, for closing Cor. to secs. 5 and 6.
	Marked C.C. on S. with 5 grooves on the E. and 1 groove on the W. faces, raised a mound of stone 2ft. base 1 1/2 ft. high S. of Cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony. 3rd rate.
	No timber.
	Mountainous land.
	80.06 chs.

Meanders T. 41 S. R. 25 E.

Meanders of the right bank of the San Juan river up stream.

Meanders T. 41 S., R. 75 E., continued.

We commence at the meander cor. of fract. secs. 13 and 18. on the West bdy. of the Tp.
set by est.
At this Cor. March 13th 1899.
We set off 37°14' N. on lat. arc; °49' S. on decl. arc; and at 8 a.m. l.m.t, determine a true the solar.
Thence We run with meanders in sec. 18.
Over river bottom, through dense growth of young cottonwood,
East 1.20 chs. bank 4 ft. high.
N. 60°15' E. 8.20 chs. bank 6 ft. high.
N. 78°30' E. 2.00 chs.
N. 60°30' E. 2.50 chs.
N. 72°30' E. 3.50 chs.
N 77° E. 2.70 chs. at 2.00 chs. leave dense undergrowth.
East 8.10 chs. at 5.00 chs. fence bears N. and S. enter cultivated field.
at 7.00 chs. foot of bluff, along bluff.
S. 87° E. 14.50 chs. bank on bluff. 30 ft. high.
S. 68°30' E. 7.60 chains.
at 6.60 chs. Irrigation ditch. course N.W.
at 7.00 chs leave bluff.
S. 37°00' E. 10.90 chs. bank 10 ft. high.
S. 6°15' W. 10.00 chs. at 2.00 chs. mouth of wash course S.W.
. 11°45' E. 4.10 chs. bank 4 ft high. enter dense under
. 54°15' E. 4.20 chs.
. 6°00' W. 15.40 chs. Leave dense under growth.

Meanders, T. 41 S., R. 25 E., continued.

00.00

at 1.00 ch. Mouth of McElmo Wash
1 ch. wide, 2 ft. deep.
W.

S. 33°00' E. 19.50 chs. bank 3 ft. high.
S. 46°30' E. 3.70 chs. to meander cor.
11.80 of fract. secs. 18 and 19.
Land, bottom and bluff;
Soil, sandy & gravelly 1st and 2nd rate.
Cottonwood timber
Dense under growth 43.10 chs.

Thence in sec. 19.
Over River bottom. cottonwood
S. 46°30' E. 7.10 chs. bank 4 ft. high.
S. 41°30' E. 4.15 chs. to meander cor.
11.25 of fract. secs. 19 and 20.
Land, bottom.
Soil, sandy 1st rate.
Cottonwood timber

Thence in sec. 20.
over river bottom, dense growth of young
S. 44°15' E. 2.40 chs. bank 4 ft. high.
S. 58°30' E. 22.00 chs.
S. 75°30' E. 4.00 chs.
N. 82°15' E. 7.80 chs. bank 6 ft. high
N. 81°00' E. 17.60 chs. bank 6 ft. high
N. 72°00 E. 7.10 chs. bank 4 ft. high.
N. 35°15' E. 2.70 chs.
N. 88°30' E. 2.60 chs. 1.20 leave timber
S. 59°30' E. 4.90 chs.
S. 78°00 E. 5.10 chs.
S. 32°45' E. 3.80 chs.
S. 0°15' E. 4.50 chs. bank 5 ft. high.
S. 8°15' E. 6.80 chs. at 2.00 chs enter
dense cottonwood
S. 61°30' E. 3.40 chs. bank 6 ft. high.

89.70

Meanders. T. 41 S., R. 25 E., continued.

S. 41°00' E. 14.30 chs. leave timber and undergrowth. to the cor. of fract. secs. 20 and 21.

Land, bottom
Soil, sandy 1st rate,
Cottonwood timber
Dense under growth 83.70 chs.

Thence in sec. 21.
Over river bottom.
S. 41°00' E. 1.20 chs. bank 6 ft. high.
S. 79°00' E. 17.40 chs. at 7.00 chs. enter dense growth of young Cottonwood,
S. 49°00' E. 7.40 chs.
S. 70°15' E. 2.70 chs.
S. 34°00' E. 7.50 chs. leave dense undergrowth.
S. 8°00' E. 18.90 chs. to the cor. of fract. secs. 21 and 28.

Land, bottom.
Soil, sandy. 1st rate.
Cottonwood timber.
Dense under growth 28.00 chs.
March 13 1899
At this cor. we set off 2°45' S. on decl. arc; and at 12h 10m L. m. t., observe the sun on the meridian, the resulting lat. is. 37° 12' N

Thence in sec. 28.
Over river bottom.
S. 8°45' E. 7.30 chs. bank 6 ft. high
S. 32°00' E. 8.20 chs.
S. 50°30' E. 5.70 chs.
S. 13°15' E. 6.20 chs.
S. 29°00' E. 17.70 chs.

Meanders, T. 41 S., R. 25 E., continued.

S. 56°00' E. 9.30 chs. bank 3 ft. high.
S. 86°30' E. 3.50 chs.
N. 36°15' E. 3.30 chs.
N. 23°30' E. 4.50 chs. bank 6 ft. high.
N. 41°30' E. 3.50 chs.
N. 85°15' E. 5.00 chs.
S. 68°45' E. 6.30 chs. bank 10 ft. high;
to meander cor. of
fracl. secs. 27 and 28.

Sandy bottom.
Soil, sandy. 1st rate.
No timber.

Thence in sec. 27
Over nearly level land.
S. 87°30' E. 8.30 chs. bank 25 ft. high
S. 49°00' E. 5.70 chs.
S. 69°45' E. 7.00 chs.
S. 57°30' E. 4.00 chs.
S. 21°30' E. 8.70 chs.
S. 29°45' E. 6.00 chs.
S. 10°30' E. 4.40 chs. bank 25 ft. high
S. 12°15' W. 4.40 chs. bank 5 ft. high
S. 5° E. 3.90 chs.
S. 26°15' E. 16.70 chs. to meander cor.
of fracl. secs. 27 and 34.

Land, nearly level.
Soil, gravelly 2nd rate.
No timber.

Thence in sec. 34.
Over nearly level land,
S. 1°15' E. 12.00 chs. bank 6 ft. high.
At 6.00 chs. foot of
bluff, along bluff.
S. 14°15' E. 3.50 chs. on top of bluff
bank 40 ft. high.

Meanders, T. 41 S., R. 25 E., Concluded.

15.50

S. 29°30' E. 15.70 chs.
S. 25°30' E. 9.30 chs.
S. 9°30' E. 6.00 chs.
S. 0°45' E. 14.50 chs.
at 1.00 ch. bottom of ravine, 40 ft deep course W.
S. 4°30' E. 15.90 chs. bank 40 ft high
S. 42°00 E. 8.70 chs to meander cor.
85.60 of frac. secs. 3 and 34.

Land, bluffs.
Soil, gravelly. 2nd rate.
No timber.

March 13th 189.

General Discription.

This Township contains nearly every variety of land from bottom to high mesa. and the soil ranges from stony to sandy loam, capable of producing abundant crops with irrigation, the water for which can be obtained from the San Juan river. and the McElmo creek. The land throught the Tp. is good grazing there being a growth of grass on the Mesas and bottoms. Cotton wood grows in abundan along the river bottom, and scattering cedar is found in the heads of ravines.

There are three settlers in the township. and the Post office of Holyoke,

A. J. Tozier's claim and buildings lay in the S. W. 1/4 of sec 7. and the

N.W. 1/4 of sec. 18. and is the East end of the abandoned settlement of Holyoke.
J.V. West's claim lays in the S.W. 1/4 of sec 16. and he does an extensive merchandise with the Indians.
H.R. Antles, claim lays in the S.E. 1/4 of sec 21. where he has or is building a school and church preparatory to converting the Indians, this is known as the Navajo Faith Mission and McElmo settlement.
There is no indications of mineral in this township. George Bradberry and Frank W. Smith applicants for survey could not be found.

Hubert D. Page
James M. Lentz
U.S. Deputy Surveyors.

Latitude, departure and closing errors.

Line designated	True bearing	Distance	Latitude N.	Latitude S.	Departure E.	Departure W.
S. bdy. Tp 41 S. R 25 E.	West	160.00				160.00
W. bdy. bet. secs. 34, 35, 26 & 27	N 0°01' W	160.00	160.00			.05
S. bdy. bet. sec. 22 and 27	West	80.00				80.00
W. bdy. bet. sec. 21 and 22	N 0°02' W	80.00	80.00			.05
S. bdy. bet. secs. 16, 21, 17 & 20	West	160.00				160.00
W. bdy. bet. secs. 17 and 18	N 0°03' W	80.00	80.00			.07
S. " " " 7 and 18	West	77.40				77.40
W. bdy. Tp 41 S. R 25 E.	North	160.00	160.00			
N. bdy. Tp 41 S. R 25 E.	East	477.25			477.25	
E. bdy. Tp 41 S. R 25 E.	South	480.00		480.00		
Convergency					55	
			480.00	480.00	477.80	477.57
					477.57	
Error in Dep.					23	

Hubert D. Page
James M. Lentz
U.S. Deputy Surveyors

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Final Oaths of Deputy Surveyors and their Assistants.

LIST OF NAMES.

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

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

nrking the lines and corners described in the foregoing field notes of the survey of .....

.....

bowing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

ose parts or portions of the .....

.....

.....

..... of the ..... base

d ..... meridian, ... of ....., which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey

s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

rner monuments established, according to the instructions furnished by the United States Surveyor

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

.....

SEAL

pages 270
297 ans [illegible]

Final Oath of United States Deputy Surveyor.

I, ..., United States Deputy Surveyor, solemnly swear that, in pursuance of instructions received from ..... United States Surveyor General for ....., bearing date of t ..... 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 Survey General for ....., the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of .....

..... of the ..... ba and ..... meridian, in the ..... of ....., which are represented in t foregoing field notes as having been surveyed by me, and under my directions; and I do further solemn swear that all the corners of said survey have been established and perpetuated in strict accordance with tl 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 th the foregoing are the *true* field notes of such survey; and should any fraud be detected, I will suffer tl penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Survey

Subscribed by said ....., United States Deputy Surveyor, and sworn to before me this ..... day of ....., 189 .

SEAL

.....

APPROVAL.

Office of the United States Surveyor General,

Salt Lake City Utah February 17th 1900, 189 .

The foregoing field notes of the survey of the subdivisions and Meanc of Township 41 South Range 25 East of the Salt Lake Base & Meridian Utah

..... executed b Herbert D Page and James M Lentz under ~~his~~ their Contract No. 215, dated October 29th, 1897, having be critically examined, the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

Jacob B Blo
United States Surveyor General.

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

.....
United States Surveyor General.

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(4—679.)

BOOK A-253

FIELD NOTES

H.J.B.

OF THE SURVEY OF

Subdivision

of

Township No. 41 South.

Range No. 26 East.

Of the Salt Lake Base Meridian,

In the State of Utah.

AS SURVEYED BY

Hubert D Page and James M Lentz United States Deputy Surveyors

under ~~his~~ their Contract No. 215, dated October 29th, 1897.

Survey commenced March 13th, 1899.

Survey completed March 20th, 1899.

(1319—2,500.)

Subs - high. N. Chr. Chr. 37-22-49 ✓

59-61 ✓

Along -

Retracement U.S. Bdry - 79-94 ✓

Names and Duties of Assistants.

Peter Meyer chairman.
Peter Allen. "
Harry Erwin. "
Walter O. McCann. "
John R. Lumpkin
George W. Dalton "
John R. Lumpkin adman.
George W. Dalton "

For preliminary affidavits see book "D"

A-252

(302)

Subs - 41-S-26E -

high	low	dosy -
n. chs. lks.	m chs lks.	m chs lks.
1-00-00		
1-00-00		
1-00-00		
79-94		
1-00-00		
1-00-00		
1-00-00		
79-96		
1-00-00		8.17
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1-00-00		
68-35		
1-00-00		7-00
1-00-04		
68-25		
1-00-00		7-00
1-00-06		
68-25		
1-00-00		7.00
1-00-00		
68-60		
1-00-00		6.95
1-00-00		8.24
69-00		
1-00-00		59-61
39-22-49		

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Retracement
Bdry -
79.94

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Subdivision of T. 41 S., R. 26 E.

urvey commenced Mch. 13, 1899; and executed with the instruments described in "Book D"

Then to test the solar apparatus by comparing their indications resulting from solar observations made during a. m. and p. m. hours, with a true meridian, determined by observations on Polaris. We proceed as f

At the cor. of secs. 31 and 32, on S. bdy. T. 41 S., R. 26 E.; Latitude 37°10' N. Longitude 109°11' W.: We set off 37°10' N. on the lat. arc: 2°41' S. on the decl. arc. and at 4 p.m. l. m.t., determine with the solar, with one of the instruments, a true meridian and mark a point thereof on a stone firmly set in the ground 5 chs. N. of the cor.

With the second instrument placed the same initial point, We set 37°10' N. on the lat. arc: 2°41' S. on the decl. and at 4hr 10m p.m. l. m.t., determine with the solar a meridian and mark a point thereof on the stone already set 5 chs. N. of our station. This point falls identical with that of the 1st instrument.

At 7hrs 50m p.m. We observe Polaris at western elongation with the instrument 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 our station.

Mch. 13, 1899.

Mch. 14, 1899: At 7 a.m. We lay off azimuth of Polaris 1°33' to the

Subdivision of T. 41 S. R. 26 E. continued.

east. the true meridian thus determined falls on the mark set by p. m. solar observations of both instruments Mch. 13, 1899:

at 8 a.m. l. m. t. We set off 37°10' N. on the lat arc: 2°25' S. on the decl. arc: of the 1st instrument, and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

at 8 hrs 10 m. a. m. l. m. t. We set off 37°10' N. on the lat arc: 2°25' S on the decl arc: of the second instrument and determine a true meridian with the solar, which falls on the mark set on the true meridian established by the Polaris observations.

The solar apparatus of each instrument by p.m. and a.m. observations defines positions for true meridians. Therefore We conclude that the adjustments of the instruments, are satisfactory.

The magnetic bearing of the true meridian at 8 a. m. is N. 14°15' W.: the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl 14°11' E.

From the cor. already described
We run
N. 0°1' E. bet. secs. 31 and 32.
Descending

4.00 Enter canon 150 ft deep course S.W. along canon.
20.00 Leave canon. ascend.
40.00 Set a sandstone 16×16×8 ins. 11 ins in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Subdivision of T. 41 S., R. 26 E. continued.

Chains	
48.75	Wagon road, bears E. and W.
57.50	Begin steep ascent over broken sand-stone ledges.
68.00	Top of Ledge 15 ft. high bears E. and W.
	Enter scattering cedar.
80.00	Set a sand-stone 18 x 10 x 5 ins. 12 ins. in the ground, for cor. of secs. 29, 30, 31 and 32. marked with 1 notch on the S. and 5 notches on the E. and W. raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
	Land, mountainous,
	Soil, stony 2nd and 3rd rate.
	Scattering cedar,
	Mountainous land, 8000 chs.

	West on a random line bet. secs. 30 and 31.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect W. bdy. of Tp. at the cor. of secs. 25, 30, 31 and 36.
	Thence W. per run.
	East on a true line bet. secs. 30 and 31 ascending over broken stony hills.
40.00	Set a sand rock 16 x 8 x 8 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ S. 30 on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
50.00	Ledge 15 ft. high, bears N. and S. along S. side of steep slope.
	Enter scattering cedar.
80.00	The cor. of secs. 29, 30, 31 and 32.

Subdivision of T. 41 S, R. 26 E, continued.

Chains	
	Land, mountainous Soil, stony. 3rd rate. Scattering cedar. Mountainous land, 80.00 chs. March 14 1899 At this cor. we set off 2°21' S. on decl. arc; and at 12 hr 09 m l. m. t. Observe the sun on the meridian the resulting lat. is 37° 11 N
	N. 0°01' E. bet. secs. 29 and 30. Ascending over broken sand-stone ledges and boulders, Through Scattering cedar.
40.00	Set a sand stone 18 x 14 x 3 ins. in a mound of stone, for 1/4 sec. cor. marked 1/4 S on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
45.00	Top of steep slope, bears N.E. & S.W. Over rolling Mesa. 150 ft. above 40 cor.
80.00	Set a sand stone 18 x 14 x 6 ins. 12 ins. in the ground for cor of secs. 19, 20, 29 and 30. marked with 5 notches on the E. and 2 notches on the S. edges, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous Soil stony 2nd and 3rd rate Scattering cedar Mountainous land 80.00 chs.
	West on a random line bet secs. 19 and 30.

Subdivision of T. 41 S., R. 26 E. continued.

Chains.	
40.00	set temp 1/4 sec. cor.
79.94	Intersect W. bdy. of T. p. at the cor. of secs. 19, 24, 25 and 30. Thence, We run East on a true line bet. secs. 19 and 30. Over rolling Mesa, through dense artimesa and scattering cedar.
39.97	Set a sand stone 16 x 12 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable.
79.94	The cor. of secs. 19, 20, 29 and 30. Land mountainous. Soil stone & Sandy 2nd rate. Scattering cedar Mountainous land 79.94 chs. March 14 1899
	March 15, 1899 At 8 a. m., l. m. t., We set off 37°12 N on lat. arc: 2°02' S. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 19, 20, 29 and 30. Thence We run, N. 0°01' E. bet. secs. 19 and 20. Descending over rolling Mesa,
37.50	Head of Cañon W. Edge of Mesa, sand stone cliffs 40 ft high bear E. and W. course of Cañon N. E. begin steep descent along W side of cañon.
40.00	Set a sand stone 15 x 14 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W side, raised

Subdivision of T. 41 S., R 26 E., Continued.

Chains	
	a mound of stone 2ft base, 1½ft. high N. of Cor.
	Pits impracticable.
3.00	Spur, projects E.
80.00	Set a sand stone 16×10×4 ins. 11 ins. in the ground for cor. of secs. 17, 18, 19 and 20.
	Land, mountainous
	Soil, stony 3rd rate.
	No timber
	Mountainous land, 80.00 chs.
	N. on a random line bet. secs. 18 and 19.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. bdy. of Tp. at the cor. of secs. 13, 18, 19 and 24.
	Thence W. per run.
	East. on a true line bet. secs. 18 and 19. descend over sand stone ledges. scattering cedar.
7.00	Ravine 20ft deep course N.W.
	Ascend,
15.00	Top of sand stone ledges 20ft high beds N. and S.
17.00	Leave ledges. over rolling mesa.
40.00	Set a sand stone 16×10×5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2ft. base, 1½ ft. high N. of Cor.
	Pits impracticable.
65.00	Sand stone ledges and edge of mesa trees N.E. and S.W.
	begin steep descent.
80.00	Cor. of secs. 17, 18, 19 and 20.
	Land, mountainous
	Soil, stony, 2nd and 3rd rate
	Scattering cedar.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.

Mountainous land. 80.00 chs.

March 15, 1899

At this cor we set off 7° 58' S. on decl. arcs and at 12 hrs. 09 m. a. m. t., observe the sun on meridian. The resulting lat. is. 37° 13' N

N. 0° 01' E. bet. secs. 17 and 18.

Over broken spurs, projecting E. to Cañon.

20.00 spur, projects E. descend.

40.00 Near bottom of cañon, course N.E. set a sand stone 14 x 14 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor. marked, 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.

48.00 Top of sandstone cliffs 100 ft. high bear N.E. and S.W.

51.00 To top of ridge, bears N.E. and S.W. descend,

80.00 On N. slope.

Set a sand stone 18 x 8 x 6 ins. 12 ins. in the ground, for cor. of secs. 7, 8, 17 and 18, marked with 5 notches on the E. and 4 notches on the S. edges, raised a mound of stone 2 ft. bas 1½ ft. high N. of cor.

Pits impracticable.

Land mountainous,

Soil, stony 3rd rate.

No timber.

Mountainous land, 80.00 chs

West on a random line bet. secs. 7 and 8.

40.00 Set temp. 1/4 sec. cor.

Subdivision of T. 41 S., R. 26 E., continued.

Chains	
79.96	Intersect West bdy. of Tp. at the cor. of secs. 7, 12, 13 and 18.
	Thence We run East on a true line bet. secs. 7 and 18.
	Ascending over rolling land,
16.00	Enter foot hills begin steep ascent, bear N. and S.
39.96	Set a sand stone 18 x 8 x 5 ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor.
	Pits impracticable.
57.00	Top of clay knoll on ridge bears N. and S. descend.
65.50	Bottom of ravine, 100 ft below knoll. Course N. ascend.
79.96	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous
	Soil stony — 3rd rate.
	No timber
	Mountainous land — 79.96 chs.
	March 15 1899

March 16, 1899

At 8 a.m., l. m. t., We set off 37°14' N. on lat. arc; 1°37' S. on decl. arc. and determine a true meridian with the solar, at the cor. of secs. 7, 8, 17 and 18.

Thence We run N. 0°01' E. bet. secs. 7 and 8.

Descending

18.00	Bottom of ravine, E. McElmo Cañon. Course W.
	Ascend over broken sandstone ledges.
40.00	250 ft above Cañon,
	Set a sand stone 18 x 10 x 5 ins.

Subdivision of T. 41 S., R. 26 E. continued.

Chains.	
	12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
65.50	Top of sand stone ledges, 20 ft. high and spur, 200 ft. above 1/4 sec. cor. projects S. N. ascend.
80.00	Set a sand-stone 16 x 10 x 8 ins. 11 ins. in the ground, for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on the S. and E. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable. Land, mountainous. Soil, stony 3rd rate. No timber. Mountainous land 80.00 chs.
	West on a random line bet. secs. 6 and 7.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 3 lks. S. of the cor. of secs. 1, 6, 7 and 12. Thence N. c. run S. 89° 59' E. bet. secs. 6 and 7. Descending over rolling land.
40.00	Set a sandstone 14 x 8 x 10 ins. 10 ins in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
60.00	Bottom of East McElmo Cañon. Course N. N. ascend.
80.00	250 ft. above Cañon.

Subdivision of T. 41 S., R. 26 E. continued.

Chains	
	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous.
	Soil, stony. 2nd and 3rd rate.
	No timber.
	Mountainous land 60.00 chs.
	March 16th 1899. At this cor. the set off 1°34' S. on dec. arc; and at 12 hrs. 59 m. L. M. T., observe the sun on the meridian the resulting lat. is 31°15' N.
	N. 0°01' E. bet. secs. 5 and 6.
	Ascending over rolling stony land. West slope of mesa.
28.00	Spur, projects W. Descend,
40.00	Set a sand stone 16 x 10 x 5 ins. for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
80.00	Intersect N. bdy. 8th standard Parallel South.
	8.17 chs. W. of the Standard cor. of secs. 31 and 32.
	Set a sand stone 16 x 10 x 5 ins. 11 ins. in the ground for closing cor. to secs. 5 and 6.
	Marked C. C. on S. with 5 grooves on the E. and 1 groove on the W. faces.
	raised a mound of stone 2 ft base, 1½ ft. high S. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony. 3rd rate.
	No timber
	Mountainous land. 80.00 chs.
	March 16th 1899.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.	Mch 14 1899
	At 9 a.m. l.m.t., We set off 37°10 N. on dat. arc; 2°24' S. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 4, 5, 32 and 33. on S. bdy. of Tp.
	Thence We run.
	N 0°01' E. bet. secs. 32 and 33. ascending over rolling hills.
17.00	Wagon road bears E and W.
38.00	Top of ridge, bears E. and W.
40.00	Set a sand stone 15×12×6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 I on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
80.00	Set a sand stone 16×8×6 ins. 11 ins. in the ground, for 1/4 cor. of secs. 28, 29, 32 and 33. marked with 4 notches on the East and 1 notch on the S. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
	Land, mountainous
	Soil, stony and sandy. 2nd rate.
	No timber
	Mountainous land, 80.00 chs.
	West on a random line bet. secs. 29 and 32.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 29, 30, 31 and 32.
	Thence We run

Chains	
	East on a true line bet. secs. 29 & 32. Descend over broken sand stone ledges.
23.00	drain, 100 ft. below ledges.
	Course S. ascend.
40.00	Set a sand stone 12 x 8 x 8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
44.00	Spur, projects S. into scattering
"	cedar.
71.00	Ridge bears N.E. and S.W.
	descend,
76.00	Leave cedars.
80.00	The cor. of secs. 28, 29, 31 and 32.
	Land mountainous.
	Soil stony
	Scattering cedar.
	Mountainous land, 80.00 chs.
	March 14, 1899
	At this cor. we set off 2° 21' S. on decl. arc; and at 2 hrs 09 m. c. m. t., observe the sun on the meridian, the resulting lat. is 37° 11' N.
	N. 0° 01' E. bet. secs. 28 and 29.
	ascending
1.00	Drain, course S.E.
	enter scattering cedar.
15.00	Enter broken sand stone ledges
40.00	falls on solid rock, ledge 250 ft. above
	Mt. cor. bears E. & W. cut cross on ledge for 1/4 sec. cor. marked 1/4 S. on
	W. side raised a mound of
	stone 2 ft. base, 1½ ft. high W. of cor.

Subdivision of T. 41 S., R. 16 E. continued.

Chains.	
	Pits impracticable
43.00	Top of ridge, bears E. and W.
	descend, leave ledges.
80.00	Set a sand stone 16 x 12 x 3 ins. 11 ins. in the ground, for cor. of secs. 20, 21, 28 and 29, marked with 4 notches on the E. and 2 notches on the S. side, raised a mound of stone 2 ft. base, 1½ ft. high, W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil sandy, stones 2nd and 3rd rate.
	Scattering cedar.
	Mountainous land, . . 80.00 chs.
	West on a random line bet. secs. 20 and 29.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 lks. S. of the cor. of secs. 19, 20, 29 and 30.
	Thence West run
	S. 89° 58' E. on a true line bet. secs. 20 and 29.
	Over rolling mesa, dense cedar and scattering cedar.
40.00	Set a sand stone 18 x 7 x 5 ins. 12 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
50.00	Top of ridge, bears N.E. and S.W.
	descend,
70.00	Over broken sand stone ledges. bear N.E. and S.W.
80.00	The cor. of secs. 20, 21, 28 and 29.
	Land, mountainous.

Subdivisions of T. 41 S., R. 26 E. continued.

Chains.	
	Soil, sandy and stony 2nd rate.
	scattering cedar.
	Mountainous land 80.00 chs.
	March 14 1899
	March 15 1899.
	At 8 a.m., l. mt. We set off 37°12 N. on lat. arc; 2° 02' S. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 20, 21, 28 and 29.
	Thence We run
	N. 0°01' E. bet. secs. 20 and 21.
	Ascending,
14.00	Enter broken sandstone ledges, and scattering cedar.
15.50	Ledges 20 ft high, bear E. and W.
17.50	Leave cedar
26.00	Bottom of ravine 75 ft deep
	Course S.E. ascend.
40.00	Set a sand stone 12 x 12 x 5 ins. 8 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft high W. of cor.
	Pits impracticable.
61.75	Indian trail bears N.E. and S.W.
80.00	Set a sand stone 18 x 10 x 3 ins. 12 ins. in the ground for cor. of secs. 16, 17, 20 and 21. marked with 4 notches on the E. and 3 notches on the S. edges, raised a mound of stone 2 ft base, 1 1/2 ft high W. of cor.
	Pits impracticable
	Land, Mountainous
	Soil, sandy & stony 2nd rate
	Scattering cedar
	Mountainous land 80.00 chs.

Subdivision of T. 41 S., R. 26 E. continued.

Chains.	
	N. 19° 58' W. on a random line bet. secs. 17 and 20.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line 5 lks. N. of the cor. of secs. 17, 18, 19 and 20.
	Thence N. per un
	East on a true line bet. secs. 17 and 20.
	Descending over broken sandstone ledges.
70.00	Bottom of Cañon 350 ft. deep. course N. E. ascend.
17.00	Enter rolling mesa, scattering cedar. Leave sandstone ledges.
40.00	Set a sandstone 16 x 7 x 6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
56.00	Sandstone ledges 20 ft. high. bears N. and S.
60.00	Leave scattering cedar.
80.04	The cor. of secs. 16, 17, 20 and 21
	Land, mountainous.
	Soil, sandy and stony 2nd and 3rd rate.
	Scattering cedar.
	Mountainous land, 80.04 chs.
	Feb. 15 At this cor. we set off 7° 58' S. on decl. arc; and at 2 hrs. 09 m. l. m. t., observe the sun on the meridian, the resulting lat. is 37° 13' N.
	N. 0° 01' E. bet. secs. 16 and 17.
	Over rolling mesa.
40.00	Set a sandstone 16 x 10 x 6 ins.

Subdivision of T. 41 S., R. 26 E., continued

Chains.	
	11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. 17 on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
59.00	Begin steep descent over sand stone ledges, bear E. and W.
80.00	set a sand stone 14 x 12 x 10 ins. 9 ins. in the ground for cor. of secs. 8, 9, 16 and 17. marked with 4 notches on the E. and S. edges. raised a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor.
	Pits impracticable.
	Land mountainous
	Soil, sandy and stony 2nd and 3rd rate.
	No timber
	Mountainous land, 8.00 chs.
	West on a random line bet. secs. 8 and 17.
40.00	set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 7, 8, 17 and 18.
	Thence we run
	East on a true line bet. secs. 8 and 17.
	ascending over broken foot hills.
6.00	Spur projects N. descend
28.00	Drain, course N.
40.00	set a sand stone 18 x 8 x 6 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
	Pits impracticable.
80.00	The cor. of secs. 8, 9, 16 and 17.
	Land mountainous
	Soil, sandy, clay and stony 2nd and 4th rate
	No timber

Subdivision of T. 41 S., R. 26 E., continued.

Chains	
	Mountainous land 80.00 chs. March 15th 1899.
	March 16th 1899. At 8 a.m., l. m. t., I pic set off 37° 14' N. on lat. arc; 1° 37' S. on decl. arc; and determine a true meridian with the solar, at the cor of secs. 8, 9, 16 and 17. Thence I pr. run N. 0° 01' E. bet. secs. 8 and 9. Descending
22.00	Wash in bottom of East McElmo Canon 550 ft. below mesa course W.
28.00	Enter foot hills.
40.00	Set a sand stone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
41.75	Top of sand stone ledges, and edge of mesa, bears E. and W. Enter scattering cedar over rolling mesa.
80.00	Falls on smooth sand stone floor, for cor. of secs. 4, 5, 8 and 9. Mark cross on floor with 5 notches on the S. and 4 notches on the E. edges, and raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous. Soil, stony. 2nd and 3rd rate. Scattering cedar. Mountainous land, 80.00 chs.

Subdivision of T. 41 S., R. 26 E. continued.

Chains.	
	West on a random line bet. secs. 5 and 8.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 3 lbs. N. of the cor. of secs. 5, 6, 7 and 8.
	Thence We run
	N. 80°59' E. on a true line bet. secs. 5 and 8.
	Ascending over broken sand stone ledges.
10.50	Top of ledges and edge of mesa bears N. and S.
	Over rolling mesa.
40.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
80.00	The cor. of secs. 4, 5, 8 and 9.
	Land, mountainous
	Soil, stone and sandy. 2nd and 4th rate.
	No timber.
	Mountainous land. 80.00 chs.
	March 16th 1899.
	At this cor. We set off 1°34' S. on decl. arc; and at 12 hrs 9 m. l. m. t., observe the sun on the meridian, the resulting latitude is 37°15' N.
	N. 0°01' E. bet. secs. 4 and 5.
	Ascend.
25.00	Enter scattering cedar.
35.00	Leave cedars.
	1/4 cor. will fall in place subject to slide, therefore.
	on Top of sand stone ledges 30 ft. high on edge of mesa, bears N. E. and S. W.

Subdivision of T. 41 S.

Chains

Set a sand stone 30 x 12 x 5 ins. in a mound of stone for Witness cor. to 1/4 sec. cor. Marked W.C. 1/4 S on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft high W. of cor.
Pits impracticable
Begin steep descent.
40.00 1/4 sec. cor. as at set being in steep place, subject to slide
65.00 Bottom of steep slope,
75.00 Drain, course W.
Begin ascending.
80.00 Intersect N. bdy. of Tp. 8th Standard Parallel South.
8.25 chs. W. of the standard cor. of secs. 32 and 33.
Set a sand stone 16 x 12 x 3 ins. 11 ins. the ground, for closing cor. to secs. 4 and 5. Marked C.C. on S. with 4 grooves on the E. and 2 grooves on the W. faces.
Raised a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor.
Pits impracticable.
Land, mountainous
Soil, stony. 2nd and 4th rate.
Scattering cedar.
Mountainous land 80.00 chs.

March 16th 1899.

March 17th 1899.
At 8 a.m., G.m.t., W.C. set off 37°10' N. on lat. arc; 1°14' S. on decl. arc; and determine a true meridian with the solar at the cor. of secs 3, 4, 33 and 34.
On the S. bdy. of the Township Thence W. run.

Subdivision of T. 41 S., R. 26 E., continued

Chains.	
	N. 0°02' E. 40 lks. on sec. 33 and 34.
	Descending.
14.00	Stony spur, projects West.
17.50	Indian trail bears N.E. and S.W.
38.00	Indian trail bears N.E. and S.W.
40.00	Set a sand stone 16 x 7 x 3 ins. in a mound of stone, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
41.75	Drain, course W.
	Ascend
55.00	Stony spur, projects W.
76.25	Drain, course S.W.
80.00	Set a sand stone 18 x 10 x 8 ins. 12 ins. in the ground for cor. of secs. 27, 28, 33 and 34 marked with 3 notches on the E. and 1 notch on the S. edges, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, sandy, stony, 2nd and 3rd rate.
	No timber.
	Mountainous land, 800 acres.

	West 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. S. of the cor. of secs. 28, 29, 32 and 33.

Subdivision of T. 41 S., R. 26 E. Continued

Chains	
	Thence We run.
	S. 89°58' E. on a true line bet. secs. 28 and 33.
	Descending over rolling land,
30.00	Ravine, 40 ft deep. course S. ascend.
33.00	Top of ridge (clay hills) bears N. E. and S. W. descend
40.00	Set a sand rock 16 x 8 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable. Descend along S. slope of clay ridge, over broken clay hills.
65.00	Drain. course S. leave hills. ascend
76.50	Top of sand knoll. descend.
80.00	The cor. of secs. 27, 28, 32 and 33. Land, mountainous Soil, stony 2nd and 4th rate. No timber Mountainous land, 80.00 chs. March 17 1899 At this cor. We set off 1° 10' S. on decl. arc; and at 12 hr. 09 m. l. m. t., observe the sun on the meridian, the resulting lat. is 37° 11' N.
	East on a random line bet. secs. 27 and 34.
40.00	Set temp. 1/4 sec. cor.
68.35	Intersect Utah Colorado boundary 7.00 chs. S. 2°34' E. of the 13th mile cor.

Subdivision of T. 41 S., R. 26 E., continued.

Chains	
	Which is a cedar plate laying on the ground. We rebuild cor. at same place as follows: set a sand stone 16 x 14 x 3 ins. 11 ins in the ground, marked V.13 N. on W. C. on E. and raised a mound of stone 2½ ft. base, 1½ ft. high, S. of cor. Pits impracticable.
	Set a sand stone 20 x 14 x 3 ins. in a mound of stone for closing cor. to fract. secs. 27 and 34. Marked C.C.V on W. with 5 grooves on the N. and 1 groove on the S. faces, raised a mound of stone 2 ft. base, 1½ ft high. W. of cor. Pits impracticable.
	Thence We run W West on a true line bet. secs. 27 and 34. Over rolling land, scattering cedar.
19.50	Enter boulders.
28.35	Set a sand stone 14 x 12 x 10 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
35.75	Sandstone ledge 25 ft high bears S.E. and N.W. decined leave cedars.
63.00	Drain 150 ft below ledges. Course S.W.
68.00	Top of ridge bears N. and S.
68.35	The cor. of secs. 27, 28, 33 and 34. Land, mountainous. Soil, stony. 3rd rate. Scattering cedar. Mountainous land, 68.35 chs.

Subdivision of T. 41 S., R. 26 E., Continued.

Chains.	
	N. 0° 02' E. bet. secs. 27 and 28.
	Descending over rolling land,
4.00	Drain, course N. ascend
17.00	Stony Spur, projects N.
32.00	Drain to ravine course S. N., and
[illegible]	Indian trail bears N.E. and S.W.
40.00	Set a sand stone 16 x 10 x 3 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable.
76.00	Top of rocky spur, projects East.
80.00	Set a sand stone 18 x 7 x 6 ins. 17 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked with 3 notches on the E. and 2 notches on the S. edges, raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable. Land mountainous Soil, stony 2nd and 3rd rate. No timber Mountainous land 80.00 chs. March 17, 1899 At this cor. we set off 1° 08' S in decl. arc; 37° 12' N. on lat. arc; and at 2 p. m. l. m. t. determine a true meridian with the solar.
	N. 89° 58' W. on a random line bet. secs. 21 and 28.
40.00	Set temp. 1/4 sec. cor.
80.04	Intersect N. and S. line 5 lks N. of the cor. of secs. 20, 21, 29 and 28. Thence W. run

Subdivision of T. 41 S., R. 26 E., continued

Chains	
	East on a true line bet. secs. 21 and 28
	Descending
3.00	Ravine, 50 ft deep. course S.
	enter scattering cedar.
20.00	leave cedar.
28.00	Ravine, 25 ft deep course S.E.
40.02	Set a sand stone 16 x 8 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high, N. of cor.
	Pits impracticable.
44.00	Begin steep ascent, over broken sand stone ledges, and scattering cedar, bear N.E. and S.W.
70.00	To top of rocky ridge, bears S.E. and N.W. descend,
74.50	Leave cedar and ledges, bear N.W. and S.E.
80.04	The cor. of secs. 21, 22, 27 and 28.
	Land, mountainous.
	Soil, stony 2nd and 3rd rate.
	Scattering cedar.
	Mountainous land, 80.04 chs.

	East on a random line bet. secs. 22 and 27.
40.00	Set temp. 1/4 sec. cor.
68.75	Intersect Utah Colorado boundary line 7 chs south of the 14 mile cor. which is a mound of earth and stone. I rebuild the cor. as follows:
	set a sand stone 20 x 10 x 3 ins. in a mound of stone, for 14th mile cor. marked 14 M on W. C on E. raised a mound of stone 2 ft base, 1½ ft. high S. of cor.

Subdivision of T. 41 S., R. 26 E. continued.

chains.

Pits impracticable

Set a sand stone 18 x 10 x 7 ins. 12 ins. in the ground for Closing cor. to fracl. secs. 22 and 27.
Marked C.C.O on N. with 4 grooves on the N. and 2 grooves on the S. faces raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor.
Pits impracticable.
Thence We run
West on a true line bet. secs. 22 and 27.
Ascending.

21.00 Spur projects S.

28.00 Drain, course S.

28.25 Set a sand stone 16 x 10 x 5 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face, raised a mound of stone, 2 ft. base, 1½ ft. high N. of cor. pits imp

39.00 Top of steep ascent.
bears S.E. and N.W., over broken sandstone ledges.

49.00 Top of steep slope, bears N. and S.
descend,

54.00 Foot of steep descent.

68.25 The cor. of secs. 21, 22, 27 and 28.
Land, mountainous
soil, stony, 2nd and 3rd rate.
no timber
Mountainous land, 68.25 chs.

March 17, 1899

March 18, 1899
At 8 a.m., l. mt., We set off 37°12 N on lat. arc; 0° 50' S. on decl. arc; and determine a true meridian with the solar.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.	
	At the cor. of secs. 21, 22, 27 and 28. Thence we run N. 0°02' E. bet. secs. 21 and 22. Descending, through scattering cedar.
9.50	Ravine, 50 ft. deep, course S.E.
17.00	Begin steep ascent.
19.00	Sandstone ledges 10 ft. high bear N.E. and S.W.
20.75	Sandstone ledges 15 ft. high bear N.E. and S.W.
23.50	Spur, projects E.
32.00	Leave cedars.
40.00	Set a sandstone 16x10x6 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S.; on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
42.00	Top of ridge bears E. and W. descend
52.00	Ravine 100 ft. deep, course S.E. ascend,
65.00	Top of knoll on ridge bears E. and W. descend,
68.00	Enter scattering cedar.
80.00	Falls on smooth sandstone floor. cut cross. for cor. of secs. 15, 16, 21 and 22. Mark T 41 S. on N.E. R. 26 E on S.E. with 3 notches on the S. and E. sides. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Land, mountainous, Soil, stony 2nd and 3rd rate. Scattering cedar Mountainous land 80.00 chs.

Subdivision of T. 41 S, R. 26 E. continued.

Chains.

West on a random line bet. secs. 16 and 21.

40.00 Set temp 1/4 sec. cor.

80.06 Intersect N. and S. line 5 links N. of the cor. of secs. 16, 17, 20 and 21.

Thence We run N. 89°58' E. on a true line bet. secs. 16 and 21.

Ascending over rolling mesa

18.00 Descend over rolling mesa.

15.00 Ravine 100 ft deep course N.E.

40.08 Set a sand stone 16 x 8 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.

68.00 Ravine 150 ft deep 10 chs. wide course N.

80.06 The cor. of secs. 15, 16, 21 and 22.

Land, mountainous

Soil, stony 2nd and 3rd rate.

No timber,

Mountainous land, 80.06 chs

March 18th 1899—

At this cor. We set off 0° 47' S on decl. arc; and at 12 hrs 08 m. L. m. t, observe the sun on the meridian, the resulting lat. is 37° 13' N—

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

40.00 Set temp 1/4 sec. cor.

65.7 Intersect N. and S. line Utah, Colorado boundary, 7 chs. S. of the 15th mile cor, which is a sand stone

Subdivisions of T. 41 S., R. 26 E.

chains	
	20 x 12 x 3 ins. marked as [illegible] by the Surveyor General, laying loose on the ground. We reset at same place. and raise a mound 2 ft base 1½ ft high S. cor. Pits impracticable.
	Set a sand stone 18 x 10 x 7 12 ins. in the ground, for Closing cor. to fract. secs. 15 and 22 marked C.C.C. on W. with 3 grooves on the N and S. faces. Raised a mound of stone 2 ft. base, 1½ ft high. W. of cor. Pits impracticable. Thence we run West on a true line bet. secs. 15 and 22. Descending.
1.50	Foot of sand stone ledges 20 ft high bears N and S.
7.00	Bottom of ravine 40 ft deep. course N.
28.25	Falls on solid sand stone floor in head of ravine 100 ft deep. course N. Cut cross on floor. for 1/4 sec. cor., marked 1/4 S on N face raised a mound of 2 ft base, 1½ ft high N. of cor. Pits impracticable.
44.50	Descend along rocky slope to N.
60.00	Begin ascending.
65.50	Sand stone ledges 20 ft high bear N.W. and S.E.
68.00	Top of ridge bears N & S. descend,

Subdivision of T. 41 S. R. 26 E. Continued

Chain.	
68.25	The cor. of secs. 15, 16, 21 and 22 Land, mountainous Soil, stony 2nd and 3rd rate. Scattering cedar. Mountainous land 68.25 chs.
	N. 0°02' E. bet. secs. 15 and 16. Descending
2.00	Sand stone ledges bear N.E. and S.W. begin steep descent over broken sand stone ledges.
12.00	Foot of steep descent. and branch East McElmo cañon bears N.W. leave ledges.
40.00	Set a sand rock, 18 x 6 x 5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable.
42.00	Drain, course W.
61.00	Drain course W. ascend.
62.00	Begin steep ascent over broken sand stone ledges.
70.00	Top of spur projects W. descend.
80.00	Set a sand stone 24 x 10 x 4 ins. in a mound of stone, for cor. of secs. 9, 10, 15 and 16. Land, mountainous. Soil, stony. 2nd and 3rd rate. No timber Mountainous land, 80.00 chs. March 18. 1899
	March 19th 1899. At 8 a.m., l.m.b., We set off 37°14' N on lat. arc, 0°27' S on decl. arc, and determine a true meridian with the solar at the cor. of secs. 9, 10, 15 and 16.

Subdivision of T. 41 S., R. 26 E., continued.

Chains	
	N. 89°58' W. on a random line bet. secs. 9 and 16.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 5 chs. S. of the cor. of secs. 8, 9, 16 and 17.
	Thence N. 1/2 run East on a true line bet. secs. 9 and 16.
	Ascending over rocky hills.
15.00	Spur projects N. descend
20.00	Drain, course N. W.
	ascend
32.00	Dry run. course S. W.
40.00	Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
65.00	Begin steep ascent. over broken sand stone ledges. bears N. and S.
80.00	The cor. of secs. 9, 10, 15 and 16.
	Land, mountainous
	Soil, stony 3rd and 4th rate.
	No timber
	Mountainous land 80.00 chs.

	East on a random line bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
68.60	Intersect Utah Colorado bdy. 7.00 chs. S. of the 16th mile cor. which is a sand stone 10 x 10 x 5 ins. above ground, marked as described by the Surveyor General.
	Set sand stone 15 x 12 x 6 ins. 10 ins. in the ground for Closing.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.	
	Cor. to fract. secs. 10 and 15. Marked C.C.V. on W. with 4 grooves on S. and 2 grooves on the N. Raised a mound of stone 2 ft. base, 1½ ft. high. W. of Cor. Pits impracticable. Thence We run West on a true line bet. secs. 10 and 15. Descending over rolling land, Mesa.
78.60	Set a sand stone 12×12×6 ins. 8 ins. in the ground for 1/4 sec. Cor. marked 1/4 C. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor. Pits impracticable.
65.50	Sand stone ledge 30 ft high bears N.E. and S.W. Descend from Mesa. Over broken sand stone ledges.
68.60	The cor. of secs. 9, 10, 15 and 16. Land, mountainous Soil, stony, 2nd and 3rd rate No timber, Mountainous land, 68.60 chs. March 19, 1897 At this cor. We set off 0°23' S. on decl. arc; and at 12 hrs 08m l. m. t, observe the sun on the meridian the resulting lat. is. 37°14'N
	N. 0°02' E. bet. secs. 9 and 10. Descending over broken sand-stone ledges.
15.00	Foot of slope bears N.E. and S.W.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.	
	Leave ledges.
28.00	Dry run. course N. ascend
40.00	Fallson sand stone boulder 10 x 6 x 2 ft. for 1/4 sec. cor marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable.
41.00	Spur projects N.
55.00	Ravine 100 ft deep course S. N.
73.50	Ravine 50 ft deep course S. N.
80.00	Set a sand stone 24 x 14 x 8 ins. in a mound of rock. for cor. of secs. 3, 4, 9 and 10. marked with 3 notches on the E. and 5 notches on the S. edge raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of Cor. Pits impracticable.
	Land, mountainous
	Soil, stony — 2nd and 3rd rate.
	No timber
	Mountainous lands — 80.00 chs.
	West 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 the cor. of secs. 4, 5, 8 and 9.
	Thence We run East on a true line bet. secs. 4 and 9.
	Descending through scattering cedar.
7.75	Begin steep descent. bears N. and S.
17.00	Foot of steep descent. bears N. and S.
	Descend over Clay hills.

Subdivision of T. 41 S., R. 26 E., continued.

Chains.

40.00 Set a sand stone 14x12x10 ins. 10 ins. in the ground, for 1/4 Sec. Cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
Pits impracticable

50.00 Cross saddle in ridge, bears N. and S. Leave cedar.

60.50 Spur projects S.

79.00 Dry run, course S.

80.00 The cor. of secs. 3, 4, 9 and 10.
Land, mountainous
Soil, stony clay. 4th rate.
Scattering cedar,
Mountainous land 80.00 chs.
March 19, 1899

March 20, 1899
At 8 a.m., L. m. t., I set off 37° 15' N. on lat. arc; 0° 03' S. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 3, 4, 9 and 10.
Thence I run
East on a random line bet. secs. 3 and 10.

40.00 Set temp. 1/4 Sec. Cor.

69.00 Intersect Utah Colorado Bdy. 6.95 chs. S. of the 17th mile cor. which is a sand stone 16x12x9 ins. marked as described by the Surveyor General, laying loose on the ground, I set cor. in same place, raise a mound of stone 2 ft. base 1½ ft. high S. of cor.
Pits impracticable.

Chains.	
	Set a sandstone 15 x 8 x 5 ins. 10 ins. in the ground for closing cor. to frac. secs. 3 and 10. marked C.C.V. on W. with 5 grooves on the S. and 1 groove on the N. faces, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
	Pits impracticable.
	Thence We run
	West on a true line bet. secs. 3 and 10. descending over broken hills.
	Sandstone ledges.
	Scattering cedar.
20.00	East. Mc Elmo Cañon.
	200 ft. deep. course S.
29.68	On W. side of cañon.
	Set a sandstone 15 x 12 x 8 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
35.00	Top of steep slope bears N. and S.
60.00	Leave cedar.
62.00	Ravine 75 ft. deep. course S.W.
63.50	Spur projects S.
65.50	Ravine 75 ft. deep. course S. 30 E
68.00	Clay knoll.
69.68	The cor. of secs. 3, 4, 9 and 10.
	Land, mountainous.
	Soil, stony. 4th rate.
	Scattering cedar
	Mountain land, 69.00 chs.
	N. 0° 02' E. bet. secs. 3 and 4. line

Subdivision of T. 41 S., R. 26 E., continued.

Chains	
[illegible]	Ascending.
7.00	Ridge, bears N. W. and S. E. descend
15.00	Bottom of ravine 200 ft. deep. course S. E. Enter Cedars. Begin steep ascent.
36.50	Sand stone ledges, 50 ft high bear S. E. and N. W. 1/4 sec. cor. will fall on inaccessable ground, therefore
38.00	On smooth - sand stone floor. Mark W. C. 1/4 S. raised a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor. Pits impracticable. Cañon over which we cannot chain. Set a flag on line across cañon. 150 ft deep. course S. 15° W. Measure a base S. 89°58' E. 5 chs. to a point, from which the flag bears N. 40°22' W. which gives for distance 4.25 chs. which added to 38.00 chs. makes.
42.25	N. side of canon. ascending.
76.00	Leave scattering cedar.
80.00	Intersect 8th Standard Parallel South 8.24 chs. W. of the standard cor. of secs. 33 and 34. Set a sand stone 18 x 12 x 3 ins. 12 ins. in the ground for closing cor. to secs. 3 and 4. marked C. C. on S. with 3 grooves on the E. and W. faces raised a mound of stone 2 ft. base, 1 1/2 ft. high S. of cor. Pits impracticable. Land, mountainous Soil, stony 2nd and 4th rate. Scattering cedar

Subdivision of T. 41 S., R. 26 E., Concluded

Mountainous land, 80.00 chs.
March 20th 1899 at this cor. We set off 0°0'36" N. on decl. arc; and at 12 hrs 08 m. l. m. t., observe the sun on the meridian, the resulting lat. is 37°15' N.

March 20th, 1899.

General Discription.

This town ship contains Bottom and mesa land, and the soil is generally stony and sandy, there is a fair growth of grass, and is good grazing. The only water is in the N. W. Cor. of the township.
The McElmo Creek.
There is scattering cedar of good size on the mesa.
The entire township is badly broken, and none of the land could be cultivated with success, there are no settlers in this township. There are no indications of mineral in this township.

Hubert D. Page
James M. Leigh
U.S. Deputy Surveyors

Retracement Utah, Colorado boundary.

T. 41 S., R. 26 E.

Sec. 34 does not close within proper limits;

Therefore, we begin at the 12th mile stone, previously described and retrace the Utah Colorado boundary.

North along the Utah Colorado boundary.

At 72.86 chs. our closing cor. is West 3.58 chs. dist. and at 79.86 chs. we find the 13th mile stone, previously described West 3.58 chs. dist.

The course of this line is therefore, N. 2°34' W. and the distance 79.94 chs.

This closes our work within the proper limits therefore, we discontinue further retracement.

Hubert D. Page,
James M. Beck
U.S. Deputy Surveyors

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Final Oaths of Deputy Surveyors and their Assistants.

LIST OF NAMES.

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

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

arking the lines and corners described in the foregoing field notes of the survey of .....

.....

owing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

ose parts or portions of the .....

.....

.....

..... of the ..... base

d ..... meridian, ... of ....., which are represented

the foregoing field notes as having been surveyed by him and under his direction; and that said survey

s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

rner monuments established, according to the instructions furnished by the United States Surveyor

neral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

SEAL

.....

pages 3 - thru 345 are blank

Final Oath of United States Deputy Surveyor.

I, ..., United States Deputy Surveyor, do solemnly swear that, in pursuance of instructions 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 ..... base and ..... meridian, in the ..... of ....., which are represented in the foregoing field notes as having been surveyed by me, and under my directions; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the 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 *true* field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....
United States Deputy Surveyor

Subscribed by said ....., United States Deputy Surveyor, and sworn to before me this ..... day of ....., 189 .

SEAL

.....

APPROVAL.

Office of the United States Surveyor General,

Salt Lake City, Utah, February 17th, 1900.

The foregoing field notes of the survey of the subdivisions of Township 41 South Range 26 East of the Salt Lake Base and Meridian, Utah

..... executed b Herbert D Page & James M. Lentz under ~~his~~ their Contract No. 215, dated October 29th, 1897, having bee critically examined, the necessary corrections and explanations made, the said field notes, and the survey they describe, are hereby approved.

Jacob B. Tibbe
United States Surveyor General.

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

.....
United States Surveyor General.

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4—679.

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

East boundary

of

Township No. 42 South.

Range No. 25 East.

Of the Salt Lake Base & Meridian,

In the state of Utah

AS SURVEYED BY

ubert D Page Eng James M. Lentz; United States Deputy Surveyor,

der ~~his~~ their Contract No. 215, dated October 29, 1897

ey commenced March 18th, 1899

vey completed March 19th, 1899

6—151

E. Bdry - high M. Chs Ks - 1-05-50

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer Chainman.
Peter Allen "
Harry Erwin "
Walter O. McCuen "
John R. Lumpkin Roundman.
George W. Dalton "
John R. Lumpkin axman.
George W. Dalton "

For preliminary affidavit, see book "N"

6—161

BOOK A-253

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; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey
.....

..... , *Chainma*

..... , *Chainma*

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

SEAL

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

..... , *Moundm*

..... , *Moundm*

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

SEAL

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

..... , *Axm*

..... , *Axm*

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

SEAL

I, ..., do solemnly swear that I will well and tr
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

East boundary T. 42 S., R. 25 E.

Survey Commenced March 18. 1899
and executed with the ins
described in book "A"

Then, to test the polar apparatus
by comparing its indications,
resulting from Polar obser-
made during a.m. and p.m. hours,
a true meridian determined by
observation on Polaris, I proce-
as follows:

At the cor. of Tps
41 and 42 S., Rs., 25 and 26 E.
set by ms.
I set off 37°10' N. on lat. arc;
0° 42' S. on decl. arc; and at
4 p.m., l.m.t., determine at
meridian with the polar; and
mark a point thereof on a
stone set firmly in the ground
5 chs N. of the cor.

At 7h 30m p.m., l.m.t., I
observe Polaris at Western
elongation, in accordance
with manual of instructions
and mark a point on the
line thus determined on a
plug driven in the ground
5 chs N. of the cor.

March 18. 1899

March 19. 1899 At 7 a.m., l.m.t., I
lay off the azimuth of Polaris.
1°33' to the East, The true
Meridian thus determined, fall
on the mark, made by the polar
observation.

At 8 a.m., l.m.t., I set off.

East boundary of T. 42 S., R. 25 E. continued

Chains

37°.10' N. on lat. arc; 0°.26' S. on decl. arc; the true meridian with the solar, falls on the mark of the True meridian determined by the Polaris observation.

Therefore we conclude the adjustments of the is correct.

The magnetic bearing of the true meridian at 8 a.m. is. N. 14°.72' E. the angle this reduced by the table, page 100; gives the mean, mag. decl. 14°, 8' E.

We begin at the cor. of T. 41 and 42 S., Rs. 25 and 26 E.

Previously described.

Thence we run.

South bet. secs. 1 and 36.

Descending over rolling land

40.00 Set a sand stone 14x10x10 ins. for 1/4 sec. cor. marked 1/4 S. on W. fall, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.

Pits impracticable

43.50 Top of steep descent.

bears N.E. and S.W.

49.00 Bottom of ravine 300 ft below sec. cor. course S.W.

begin steep ascent.

63.00 Stony Spur 300 ft above bottom of ravine. projects W. descend

65.50 Foot of steep descent, bears S.E. and N.W. and river bottom.

70.00 Wagon road,

bears S.E. and N.W.

Enter dense growth of young cotton-

East boundary of T. 42 S, R. 25 E, concluded.

chains

wood.

- 80.00 Set a sand stone 15×10×5 ins. 10 ins. in the ground, for cor. to secs. 1, 6, 7 and 12. marked with 1 notch on the N. and 5 notches on the S. edges, raised a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous
Soil, stony. 4th rate.
Young cottonwood timber.
Mountainous land, and dense undergrowth, 80.00 chs.

South bet. secs. 7 and 12.
Along river bottom, through dense undergrowth.

- 5.50 Right banks of San Juan river bottom, bears N.E. and S.W.
Set a sand stone 16×10×4 ins. 11 ins. in the ground for meander cor. to fracl. secs. 7 and 12. marked M.C. 42 S. on N. 25 E. on W., 26 E. on E. with 6 grooves on the E. and W. faces, raised a mound of stone 2 ft. base, 1½ ft. high N. of co
Pits impracticable.
Land, level,
Soil, sandy 1st rate,
Young cottonwood
Dense undergrowth. 5.50 chs.

March 19. 1899

For General discription see book of subdivision.
For tabe of latitude and departure see book of Subdivisi

Hubert D Page
James M. Lentz
US. Deputy surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

narking the lines and corners described in the foregoing field notes of the survey of .....

.....

howing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

ose parts or portions of the .....

.....

.....

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

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

the foregoing field notes as having been surveyed by him and under his direction; and that said survey

s been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the

rner monuments established, according to the instructions furnished by the United States Surveyor

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

bscribed and sworn to before me this .....

day of ....., 189

SEAL

.....

.....

6—151

pages 350 357 are blk.

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, February 17th 1897

The foregoing field notes of the survey of The Eastern Boundary Township 42 South Range 25 East of the Salt Lake Base and Meridian, Utah

executed by Herbert D. Page & James M. Lentz under his contract No. 215, dated October 29th, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Bo

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

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PAGE

4—679.

page 361

BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

Subdivisions & Meanders of Township 42 South Range 25 East

Of the Salt Lake Base and Meridian,

State of Utah

AS SURVEYED BY

Hubert D Page and James M Lentz United States Deputy Surveyors

der ~~his~~ their Contract No. 215, dated October 29, 1897

rvey commenced March 19th, 1899

rvey completed March 20th, 1899

6—151

m. ch. lks.

Subs - loss 1 - 07 - 38 ✓

Meanders loss 2 - 59 - 70 ✓

NAMES AND DUTIES OF ASSISTANTS.

Peter Allen	Chainman
Peter Meyer	"
Harry Erwin	"
Walter O McEwen	"
John R Lumpkin	Moundman
George W Dalton	"
John R Lumpkin	Axeman
George W Dalton	"

For preliminary affidavits see book "D"

6—151

BOOK A-253

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; t
we will report the true distances to all notable objects, and the true lengths of all lines that we assis
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

.....

..... , *Chainm*

..... , *Chainm*

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

SEAL

.....

.....

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

.....

..... , *Moundm*

..... , *Moundm*

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

SEAL

.....

.....

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

.....

..... , *Axm*

..... , *Axm*

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

SEAL

.....

.....

I, ... , do solemnly swear that I will well and tr
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

.....

.....

Subdivision of T. 42 S., R. 25 E.

Survey commenced March 19th 1899. and executed with the instruments described in Book "D".
Knowing from recent observation made at the cor. of Ts 41 and 42 S., Rs. 25 and 26 E. that the adjustments of the instruments are correct. We proceed as follows:
March 10th 1899. At 2 p.m., l.m.t. W. set off 37°10' N. on the lat. arc; 0°21' S. on the decl. arc; and determine a true meridian with the solar at the cor. of secs. 2, 3, 34 and 35, on the N. bdy of Tp. established by us.
Thence We run
S. 0°01' E. bet. secs. 2 and 3.
Descending over rolling land, soil sandy and gravelly.
18.23 Top of bluffs. 50 ft. high bears E. and N. and right bank of San Juan River bears N. W. and S. E.
Set a cobble stone 18 x 12 x 8 ins. 12 ins. in the ground for Meander Cor of Fracl. secs. 2 and 3. Marked M C. on S. face, with 2 grooves on E. face, and raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.
Land, rolling
Soil, sandy and gravelly 3rd rate.
No timber

From the cor. of secs. 1, 2, 35 and 36. on N. bdy of Tp. established by us.
We run.
S. 0°01' E. bet. secs. 1 and 2.
Descending over rolling land,
40.00 Set a cobble stone 16 x 9 x 7 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ S on N. face, and raised a mound of stone 2

Subdivision of T. 42 S. R. 25 E. concluded.

Chains. base, 1½ ft. high N. of cor. Pits impracticable

52.00 Foot of descent and wagon road, bears E. and N.

52.05 Right bank of San Juan River, bears E. and N. Set a cobble stone 18×10×6 ins. 10 ins. in the ground for meander cor. to fracl. secs. 1 and 2. Marked M.C. on S. face, with 1 groove on E. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
Land rolling.
Soil, sandy and gravelly, 3rd rate.
No timber

From the cor. of secs. 1, 6, 7 and 12 on the E. bdy. of Tp. set by us.
Tpe run West. bet secs. 1 and 12.
Over rolling land.

17.10 Right bank of San Juan River, bears N.N. and S.E. Set a cobble stone 16×10×4 ins. 11 ins. in the ground for meander cor. to fracl. secs. 1 and 12 marked M.C. on N. face, with 5 grooves on S. face, raised a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable.
Land rolling
Soil, stony and sandy 3rd rate,
No timber. March 14th 1899.

Meanders, T. 42 S. R. 25 E.

Meanders of the right bank of San Juan River upstream.
The commence at the meander cor. of fracl. secs. 3 and 34 on N. bdy. of T. set by us.
March 20th 1899. At this cor. Tpe set off 31°10' N. on lat. all; 0°03' S. on decl. all. and at 8 a.m. determine a true meridian with the solar. Thence Tpe run with meanders in Sec. 3.
S. 42° E. 8.40 chs. Bank bluffs.
30 ft high.
S. 63°30' E. 9.50 chs.

Meanders T. 47 S., R. 25 E.

Meanders of Right bank of San Juan River, upstream.

17.90

S. 61° E. 15.90 chs. Bank bluffs 30 ft. high.

33.80 No meander cor. of frac. secs. 2 and 3.

Land rolling
Soil gravelly 4th rate,
No timber.

Thence in Sec. 2.

S. 60°45' E. 11.30 chs. Bank bluff 30 ft high.
S. 87°15' E. 11.00 chs. "
end of course leaves bluffs.
S. 54°15' E. 35.20 chs. Bank 6 ft high
S. 74°45' E. 8.00 chs.
S. 81°30' E. 14.30 chs.
S. 66°45' E. 8.00 chs. Bank 6 ft high, along wagon road.
N. 85° E. 1.35 chs. Bank 6 ft. high to meander cor. of

49.15 frac. secs. 1 and 2.

Land rolling and level.
Soil, sandy and gravelly 1st 3rd 4th rate.
No timber.
March 20th 1899.
At this meander cor. we set off 0°0' 36" N. on dell. arc; and at 12 hrs 8 m. l. m. t., observe the sun on the meridian the resulting lat. is 37°09' N.

Thence in sec. 1.

N. 85° E. 7.45 chs. Bank 10 ft high at end of course foot of bluffs 300 ft

Meanders T. 42 S., R. 25 E., Concluded.

Meanders of the right bank of San Juan River up stream.

high and wagon road bears N. & S.

7.45

S. 14° 30' E. 16.60 chs. Bank 4 ft. high.

S. 74° 45' E. 23.50 chs. Bank left high at end of course enter undergrowth and scattering Cottonwood.

S. 84° 15' E. 7.90 chs.

S. 72° 30' E. 13.80 chs.

S. 79° 30' E. 7.70 chs. Bank 5 ft. high. to meander cor. of frac. secs. 1 and 12.

76.95

Land level.

Soil, sandy and gravelly 2nd rate.

Timber cottonwood

Thence in Sec. 12.

through undergrowth and scattering timber.

S. 52° 15' E. 7.50 chs. Bank 5 ft. high.

S. 66° 15' E. 7.50 chs.

N. 65° 15' E. 4.80 chs. Bank left high to the meander cor. of frac. secs. 7 and 12. on the E. bdy. of the Tp.

19.80

Land level.

Soil, sandy loam. 1st rate.

Timber, cottonwood.

March 20th, 1899

OOK A-253

General des

1 ortion the township sur-
by us contains nearly
variety of land, from
mountainous to level, and the
soil ranges from sandy loam to
stony. A portion of the south-
east quarter of sec 1 has
been under cultivation.
We learn from inquiry that
the settler has removed to
city. Along the river bottoms
and on the rolling uplands
nutricious grasses grow abun-
dantly, and afford excellent
graising. The cottonwood is
found along the San Juan river.
T. L. Hodgedone and S. N. Honaker
applicants for survey of this Tp. were found to be locate
in Tp. 42 S R 26 E. There were no indications
of mineral in this Township.

Hubert D. Page,
James McKentz.
U.S. Deputy Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

ırking the lines and corners described in the foregoing field notes of the survey of .....

.....

ɔwing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

se parts or portions of the .....

.....

.....

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

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

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

eral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

.....

SEAL

.....

pages 370 to 373 are bea

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

.....

.....

.....

..... 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 solemn swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Survey General for ..... and in the specific manner described in the field notes, and th the foregoing are the original field notes of such survey; and should any fraud be detected, I will suf the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

.....

United States Deputy Survey

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, February 17th 1902.

The foregoing field notes of the survey of the Subdivisions & Meanders of Township 42 South Range 25 East of the Salt Lake Base & Meridian, Utah

executed by Hubert D Page & James M. Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B Blair

United States Surveyor Gene

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

.....

United States Surveyor Gene

6—151

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4—679.

BOOK A-253

L.F.B.

FIELD NOTES

OF THE SURVEY OF THE

South boundary

of

Township No 42 South.

Range No. 26 East.

Of the Salt Lake Base & Meridian,

In the state of Utah.

AS SURVEYED BY

Hubert D Page and James M. Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated October 29th, 1897

Survey commenced March 23rd, 1899

Survey completed March 23rd, 1899

6—151

S - Bdry - high m chs bks - 2 - 16 - 61 ✓ 6 - 10 ✓ tp

doog -

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer. Chainman
Peter Allen "
Harry Erwin "
Walter O. McCuen "
John R. Lumpkin Moundman
George W. Dalton "
John R. Lumpkin adman
George W. Dalton "

For preliminary affidavits see book "N"

6—151

BOOK A-253

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 chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; t we will report the true distances to all notable objects, and the true lengths of all lines that we assist measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey .....

..... , *Chainm*

..... , *Chainm*

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

SEAL

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

..... , *Moundm*

..... , *Moundm*

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

SEAL

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

..... , *Axm*

..... , *Axm*

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

SEAL

I, ... , do solemnly swear that I will well and tr 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

South boundary of T. 42 S., R. 26 E.

Survey commenced, March 23rd 1899 and executed with the instrument described in book "A"

The test of the instrument was made March. 20th 1899. and recorded in book "X" of subdivisions of T. 42 S., R. 26 E. at the cor. of secs. 3, 4, 33 and 34. on N. bdy. of Tp.

Latitude observation was taken this day

At the cor. of secs. 3, 4, 33 and 34 on the S. bdy. of Tp. and recorded in book "X" of subdivisions.

From this cor.

We run

East on a random line bet. secs. 3 and 34.

40.00 Set temp. 1/4 sec. cor.

72.75 Intersect Utah Colorado boundary 6.10 chs. S. of the 6th mile cor. which is a sand stone, 10x10 x 5 ins. in a mound of stone, marked as described by the Surveyor General.

At the point of intersection, set a cobble rock 18x10x6 ins. 12 ins. in the ground for closing cor. to Tps. 42 and 43 S. R. 26 E. Marked C.C.V. 26 E on West. C. on East. 42 S. on N. 43 S. on South. with 6 grooves on S. N. and W. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of Cor.

Pits impracticable.

Thence We run

West bet. secs. 3 and 34.

Over rolling hills, descend.

South boundary of T. 42 S., R. 26 E. Continued.

Chains.	
32.75	Set a cobble stone 16 x 10 x 6 ins. 11 ins in the ground for 1/4 sec. Cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
72.75	The Cor. of secs. 3, 4, 33 and 34. Land, mountainous. Soil, gravelly 2nd rate. No timber. Mountainous land, 72.75 chs.
	West bet. secs. 4 and 33. Descending.
8.00	South side of cañon, begin steep descent.
13.00	Bottom of cañon 200 ft. deep. Course S. 60° W. ascend,
17.00	North side of cañon, top of steep ascent, descend along N. side of cañon.
40.00	Falls on solid sand stone floor cut cross on ledge, for 1/4 sec. Cor. marked 1/4 S. on N. raised a mound of stone 2 ft. base, 1½ ft. high, N. of Cor. Pits impracticable.
78.40	Top of spur, projects S. W.
79.00	Sand stone ledges, 50 ft. high, bears S.E. and N.W.
80.00	Set a sandstone 18 x 10 x 8 ins. in a mound of stone, for Cor. to secs. 4, 5, 32 and 33. Marked with 2 notches on W. and 4 notches on East edge, raised a mound of stone 2 ft. base, 1½ ft. high, W. of Cor.

South boundary of T. 42 S., R. 26 E., concluded.

Chains.

Pits impracticable.
Land, mountainous,
Soil, stony 4th rate
No timber.
Mountainous land, 80.00

West bet. secs. 5 and 32
Descending over steep, stony land,
16.00 Foot of steep slope, and rived bottom bears. N. 20° W. and S. 20° E.
Through dense undergrowth.
24.36 Right bank of San Juan River bears N. W. and S. E.
Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for meander cor. to frac. secs. 5 and 32.
Marked M.C. 26 E. on E. 6 grooves on N. and S. faces.
Raised a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor.
Pits impracticable.
Land, mountainous.
Soil stony and sandy, 2nd and 4th rate.
No timber.
Mountainous land, 24.36 chs.

March 23d 1899.

For general discription and table Lattitude and departure see book of subdivisions of this Township

Hubert D. Page
James McLendy
U.S. Deputy Survey

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PAGE

OK A-253

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D Page and
mes M. Lentz, United States Deputy Surveyor, to assist in running, measuring, and
rking the lines and corners described in the foregoing field notes of the survey of E bdy. T. 41 S., R. 24 E.
2 S., R. 25 E., the S. and E. bdys. T. 41 S., R. 25 E. and the S. bdy. Tps. 41 and 42 S., R. 26 E. & the
t Boundary of Tp 40 S R 26 E. of the Salt Lake Base & Meridian, Utah
wing the respective capacities in which they acted:

Peter Meyer, Peter Allen, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R. Lumpkin, Axman.
George W. Dalton, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D Page and
mes M. Lentz, United States Deputy Surveyor, in surveying all
e parts or portions of the E bdy. T. 41 S., R. 24 E., T. 42 S., R. 25 E., the S. and E.
dys. T. 41 S., R. 25 E. and the S. bdy. Tps. 41 and 42 S., R. 26 E. & the North
dy of Tp 40 S R 26 E.
of the Salt
Base & meridian, State of Utah, which are represented
e foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their direction; and that said survey
been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
er monuments established, according to the instructions furnished by the United States Surveyor
eral for Utah

Peter Meyer, Peter Allan, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R. Lumpkin, Axman.
George W. Dalton, Axman.
, Flagman.

cribed and sworn to before me this 13th
lay of April, 1899

Hubert D Page
U.S. Deputy Surveyor

SEAL

51

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We Hubert D. Page & James M. Lentz United States Deputy Surveyor solemnly swear that, in pursuance of a contract received from Jacob B. Blaw United States Surveyor General for the District of Utah, bearing date of 29th day of October, 1897, we have well, faithfully, and truly, in ~~my~~ proper persons and in strict conformity with the instructions furnished by the United States Surv General for the District of Utah, the Manual of Surveying Instructions, and the laws of United States, surveyed all those parts or portions of the N Bdy T40S R26E, E Bdy T4 R24E - E & S Bds T41S R25E - S Bdy T41S R26E - E Bdy T4 S R25E & S Bdy T42S R26E & Eighth Standard Parallel South Rau 26 East of the Salt Lake Base and meridian, in the State of Utah, which are represented in foregoing field notes in Book I N.P.R.S. V & Y as having been surveyed by ~~me~~ us, and under ~~my~~ our direction; and ~~I~~ we do further solem swear that all the corners of said survey have been established and perpetuated in strict accordance the Manual of Surveying Instructions, and the special written instructions of the United States Surv General for the District of 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~~ we will s the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Hubert D Page James M. Lentz
United States Deputy Surv

Subscribed by said Hubert D Page & James M Lentz, and sworn to before me this 20th day of November, 1899

Jacob B. B.
U.S. Surveyor General for the District of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah February 17th 1

The foregoing field notes of the survey of the South Boundary of Tourism No 42 South Range 26 East of the Salt Lake Base & Meridian. Utah

executed by Hubert D. Page & James M. Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B.
United States Surveyor Gen

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

United States Surveyor Gen

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BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

Subdivision & Meanders

Of

Township No. 42 South.

Range No. 26 East.

Of the Salt Lake Meridian,

In the state of Utah

AS SURVEYED BY

...bert D Page, and James M Lentz, United States Deputy Surveyors

...der ~~his~~ their Contract No. 215, dated October 29th, 1897

...rvey commenced March 20th, 1899

...rvey completed March 26th, 1899

6—151

M. Chs. Etc.

Secs. high 31-44-91 ✓

" low 1-38-15 ✓ 33.03.06

Closing 34.30 ✓ Sec

Meanders high 2-20-30 ✓

" low 5-25-41 ✓

7-45-71

NAMES AND DUTIES OF ASSISTANTS.

Peter Wiggins Chainman

[illegible] Allen "

[illegible] Irwin "

[illegible] O'McCuen "

[illegible] R. Lumpkin Moundman

George W. Dalton "

John R. Lumpkin Axman

George W. Dalton "

For preliminary affidavits see Book "D"

A-253 X (390)

Lubs - 425-26 E -

high m. chs. lks.	low m. chs. lks.	closing m. chs. lks.
00-00 ✓		
72-43 ✓		7-00 ✓
00-00 ✓		6-90 ✓
72-50 ✓		
00-00 ✓		6-85 ✓
72-55 ✓		
00-00 ✓		7-00 ✓
72-60 ✓		
00-00 ✓		6-55 ✓
72-45 ✓		
1-00-00 ✓		34-30 Sec ✓
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-08 ✓		
50.35 ✓		
1-00-00 ✓		
1-00-00 ✓		
46-00 ✓	34-00 ✓	
	62-45 ✓	
	14-25 ✓	
	7-45 ✓	
35-75 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
1-00-00 ✓		
73-70 ✓		
1-00-00 ✓		
1-00-00 ✓		
24-00 ✓		
1-00-00 ✓		
12-50 ✓		
31-44-91 ✓	1-38-15 ✓	

Meanders -

high m. chs. lks.	low m. chs. lks.
1-25-80 ✓	11-10 ✓
	42.31 ✓
54-20 ✓	45-00 ✓
	27.70 ✓
	1-03-90 ✓
	36-40 ✓
	1-02-10 ✓
19-60	28-00
	69-60 ✓
2-19-60	5-26-11 ✓
+ 70	− 70
2-20 30 ✓	5-25-41 ✓

3 4 3

5690
290

5070 960
350
5420

26

BOOK A-253

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 t
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; th
we will report the true distances to all notable objects, and the true lengths of all lines that we assist
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey

.....

..... , *Chainma*

..... , *Chainma*

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 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 ....., 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

.....

..... , *Axma*

..... , *Axma*

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

SEAL

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

..... , *Flagma*

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

SEAL

Subdivision of T. 42 S. R. 26 E.

y commenced March 20th 1899: and
executed with the instruments
described in "Book D"
Then to test the solar apparatus by com
paring their indications, resulting
from solar observations made
during a.m. and p.m. hours
with a true meridian determine
by observations on Polaris. We
proceed as follows:
At the cor. of Secs. 3. 4. 33 and 34 N. bdy
of the Tp. 42 S. R. 26 E.: Latitude 37°16'
Longitude 109°08' W.: We set off 37°10'
on the Lat. arc: 0°5' N. on the
arc: and at 4 p.m. l.m.t., deter-
mine with the solar with one of
the instruments a true meridian
and mark a point thereof on a
stone firmly set in the ground
5 chs. N. of the cor.
With the second instrument placed
over the same initial point, We
set off 37°10' N. on the lat. arc:
0°5' N. on the Decl arc: and at 4hr
10m p.m. l.m.t., determine a true
meridian with the solar, and
mark a point thereof on the stone
already set 5 chs. N. of our station
this point falls identical with
that of the 1st instrument.
At 7hr 22m p.m. We observe Polaris
at western elongation with
1st instrument in accordance
with Manual of Instructions
mark a point in the line thus
determined on a plug driven
in the ground 5 chs N. of our
station.

20 18

March 21, 1899: At 7 a.m. l.m.t. We
off the azimuth of Polaris

Subdivision of T. 42 S. R. 26 E. Continued.

1°32' to the east. the true meridian thus determined falls on the mark set by p.m. solar observations of both instruments Mch. 20, 1899:

At 8 a.m. l.m.t., We set off 37°10' N. on the lat. arc: 0°21' N. on the decl. arc: of the 1st instrument and determine a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

At 8hr 10m a.m. l.m.t., We set off 37°10' N. on the lat arc: 0°21' N. on the decl. arc: of the second instrument, and determine a true meridian with the solar, which falls on the mark set on the true meridian established by the Polaris observations.

The solar apparatus of each instrument by p.m. and a.m. observations, defines positions for true meridians Therefore, We conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is N. 14°16' W. the angle thus determined, reduced by the table page 100, Manual gives the mean mag. decl 14°12' E.

From the cor. already described
We run
S. 0°2' W. bet. secs. 3 and 4,
Ascending steep slope of mountain, over ledges & boulders through scattering cedar.

11.60 Top of spur 500 ft above sec. cor. projects S.W.

18.50 Leave cedars begin steep descent over broken sandstone ledges bear E. and W.

30.00 Bottom of ravine 500 ft below spur course S. 10° E.

Subdivision of T. 47 S., R. 26 E. Continued.

Chains.	
40.00	Set a sand stone 16x12x3 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
66.00	Top of stony clay knoll.
69.75	Wagon road bears N. N. and S. E.
75.75	Bottom of ravine, 60 ft. deep. Course S. E.
78.25	Indian trail, bears N. N. and S. E.
79.50	Indian trail bears N. E. and S. N.
80.00	Set a sand stone 16x8x5 ins. 11 ins. in the ground, for cor. of secs. 3, 4, 9 and 10 marked with 3 notches on the E. and 5 notches on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable. Land, mountainous. Soil, stony. 4th rate. Scattering cedar. Mountainous land, 80.00 chs.

East on a random line bet. secs. 3 and 10.

40.00	Set temp. 1/4 sec. cor.
72.43	Intersect Utah, Colorado boundary line 7.00 lks. S. of the 11 mile cor. which was a sand stone 20x14x6 ins. laying loose on the ground, and marked as described by the Surveyor General. Reset same stone 15 ins. in the ground, and raised a mound of stone 2 ft. base, 1½ ft. high S. of cor.

Set point of intersection

Subdivision of T. 42 S., R. 26 E.; Continued.

Set a sand stone 18 x 10 x 5 in. 12 ins in the ground for Closing cor. to fract. secs. 3 and 10. Marked C.C.U on the W. with 5 grooves on the S. and 1 groove on the N. faces. raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.
Thence We run
W. on a true line bet. secs. 3 and 10.
Descending over rolling land.
15.0 Bottom of ravine 100 ft. deep.
course S. ascend
45.0 Top of ridge, bears N. and S.
20.00 Wagon road,
bears S.E. and N.W.
32.43. Set a sand rock 16 x 8 x 6 ins. 11 ins in the ground, for ¼ sec. cor. Marked ¼ S on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of Cor. Pits impracticable.
70.00 Ravine, 40 ft deep, course S.E.
72.43 The cor of secs. 3, 4, 9 and 10.
Land, mountainous
Soil, stony 2nd rate
No timber
Mountainous land, 72.43 chs.

March 21st 1899 at this cor. We set off 0°24' N. on decl. arc; and at 12 hrs 07 m l.m.t, observe the sun on the meridian, the resulting Lat. is 37°09' N.

S 0°02' W bet. secs 9 and 10.
Descending over rolling land.

Subdivision of T. 42 S., R. 26 E. Continued.

Chains

16.00 Begin steep descent into Ravine 100 ft deep. course S. over broken sandstone ledges.

31.00 Trail bears N.E. and S.W.

40.00 Point for 1/4 sec cor. falls on boulder 3 x 2 x 2 ft. above grou. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base 1½ ft. high W. of Cor. Pits impracticable.

42.00 Mouth of ravine, enters Ravine 250 ft. deep. course S.W.

45.00 Wash. dry S.W.

46.50 Lone cottonwood tree 16 ins. in diam. stands 15 ft. W. of line. Marked with two blaze, diagonally to line.

48.00 Begin steep ascent.

53.00 Ravine, 50 ft deep course N.5° W.

73.00 Top of steep ascent.

78.00 Bottom of ravine, 60 ft deep. course W. [illegible]

80.00 Point for cor. falls on sandstone boulder 5 x 4 x 2 ft. above ground. marked cross on rock. with 4 notches on S. and 3 notches on E. edge, raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable.

Land, mountainous

Soil, stony — 2nd/3rd rate.

Mountainous land, — 80.00 chs.

East on a random line bet. secs. 10 and 15.

40.00 Set temp 1/4 sec cor.

Subdivision of T. 42 S., R. 26 E., continued.

Chains	
22.50	Intersect Utah & Colorado boundary 6.90 chs. S. of the 10 mile cor. where we find a mound of stone and defaced ledge, which we identify as corresponding to description given by Surveyor General, We rebuild cor. as follows: Set a sand stone 24 x 14 x 3 ins. in a mound of stone, marked U. on W. C. on E. 10 M on S. faces and raised a mound of stone 2 ft. base, 1½ ft. high S. of cor. Pits impracticable. At point of intersection: Set a sand stone 26 x 12 x 3 ins. in a mound of stone, for closing cor. to frac. secs. 10 and 15. Marked C. C. on W. with 4 grooves on the S. and 2 grooves on the N. faces. raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable. Thence W. pur. W. on a true line bet. secs. 10 and 15. Ascending over rolling land,
25.50	To foot ridge, bears N. and S. descend,
32.50	Set a sand stone 16 x 12 x 3 ins. 11 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor. Pits impracticable.
36.50	Low ridge bears N. W. and S. E. descend over broken sandstone ledges.

Subdivision of T. 42 S., R. 26 E., Continued.

Chains.

72.50 The cor. of secs. 9, 10, 15 and 16.
Land, mountainous
Soil, stony. 2nd and 4th rate
No timber
Mountainous land,
72.50 chs.
March 21, 1899

March 22, 1899
At 8 a.m., l.m.t., I set off 37°08' N. on Lat. arc; 0° 45' N. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 9, 10, 15 and 16.
Thence I run
S 0°02' W. bet secs. 15 and 16.
Ascending over broken sandstone ledges.

15.00 Leave ledges.
20.00 Top of ridge, bears E. and W.
24.60 Begin steep descent.
34.00 Bottom of ravine.
75 ft. deep. course W.
35.00 Drain course W. ascend.
39.90 Drain course N. W.
40.00 Set a sand rock 16 x 9 x 6 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high: W. of cor. Pits impracticable.
41.00 Indian trail. bears E. and W.
70.00 Begin steep ascent
76.50 top of ledges.
bear N.E. and S.W.
80.00 Set a sand rock 18 x 10 x 4 ins. 12 ins. in the ground, for cor. of secs. 15, 16, 21 and 22.
Marked T 42 S on N.E.
R 26 E on S.E. and 3 notches on

Chains	
	S. and E. edges.
	raised a mound of stone 2 ft.
	base, 1½ ft. high. N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony 2nd and 4th rate.
	No timber.
	Mountainous land, 8.00 chs.
	East on a random line
	bet. secs. 15 and 22.
40.00	set temp. 1/4 sec. cor.
77.55	Intersect Utah, Colorado, bdy.
	6.85 chs. S. of the 1 mile cor.
	which is sand stone 6 x 12 x 4 ins.
	above ground, marked as
	described by the Surveyor
	General.
	At point of intersection
	set a sand stone 12 x 12 x 6 ins.
	8 ins. in the ground for closing
	cor. to fract. secs. 15 and 22.
	Marked C.C.U. on N. with
	3 grooves on the N. and S. faces.
	Raised a mound of stone 2 ft.
	base, 1½ ft. high. N. of cor.
	Pits impracticable.
	Thence N. per
	N. on a true line bet. secs. 15 and 22
	descending and rolling land.
32.55	Set a sand stone 16 x 8 x 5 ins. 11 ins.
	in the ground for 1/4 sec. cor.
	Marked 1/4 S. on N. face,
	raised a mound of stone 2 ft.
	base, 1½ ft. high. N. of cor.
	Pits impracticable.

Subdivision of T. 42 S., R. 26 E., Continued.

Chai
62.50 Bottom of ravine 150 ft. deep.
course N.
ascend.
72.55 The cor. of secs. 15, 16, 21 and 22.
Land, mountainous
Soil, stony 1st and 4th rate
No timber
Mountainous land, 72.55 chs.

March 22. 1899. At this cor. We set off 0° 48' N. on decl. arc; and at 12 hrs 07 m l. m. t., observe the sun on the meridian, the resulting lat. is 37° 07' N.

S. 0° 02' W. bet. secs. 21 and 22
Ascending over rolling land
4.00 Trail bears E. and W.
34.50 Trail bears N.E. and S.W.
40.00 Set a sand stone 12 x 12 x 5 ins. 8 ins. in the ground for 1/4 sec. Cor. marked, 1/4 S. [illegible] ors W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
42.00 Top of ridge, bears E. and W.
58.50 Begin steep descent over brok. Sand stone ledges.
72.00 leave ledges.
79.75 drain course S. 5° W.
80.00 Set sand stone 26 x 10 x 5 ins. on solid rock base in mound of stone for cor. of secs 21, 22, 27 and 28. Marked with 3 notches on the E. and 2 notches on the S. edges raised a mound of stone 2 ft. base, 1 1/2 ft high W.

Subdivision of T. 42 S., R. 26 E., Continued

Chains	
	Cor.
	Pits impracticable.
	Land, mountainous.
	Soil, sandy and stony 1st and 4th rate.
	No timber
	Mountainous land, 80.00 chs.

	East on a random line bet. secs. 22 and 27.
40.00	Set temp. 1/4 sec. cor.
77.60	Intersect Utah Colorado. bdy. line. 7.00 chs. S. of the 8th mile cor. which is a sand stone 18 x 12 x 4 ins above ground.
	Marked as described by the Surveyor General.
	At point of intersection
	Set a sand stone 18 x 8 x 5 ins. 12 ins in the ground. for closing cor. to fract. secs. 22 and 27.
	Marked C.C.U on W. with 4 grooves on the N. and 2 grooves on the S. faces. raised a mound of stone 2 ft base, 1 1/2 ft. high W. of Cor.
	Pits impracticable
	Thence W. run W. on a true line bet. secs. 22 and 27 over rolling land.
7.10	Brink of Red Cañon
16.60	Bottom of cañon 250 ft. deep. course S.W.
	Ascend.
27.50	Top of W. side of cañon.
37.60	Set a sand stone 14 x 12 x 4 ins. 10 ins in the ground, for 1/4 sec cor. marked 1/4 S. on N. face

Subdivisions of T.42 S., R.26 E.- Continued.

Chains

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

40.25 Top of stony ridge bears
E. and W. descend

72.60 The cor. of secs. 21, 22, 27 and 28.
Land, mountainous
Soil, sandy & stony 3rd rate.
No timber
Mountainous land, 72.60 chs.

S. 0°02' W. bet secs. 27 and 28.
Descending

9.90 Head of canone 250 ft. deep.
Course S.
begin steep descent along
E. side over broken sand-
stone ledges.

27.00 Enter main cañon
Course West leave ledges.

40.00 In Bottom of Cañon
Set a sand stone 12 x 10 x 5 ins.
8 ins. in the ground, for 1/4
sec. cor. marked 1/4 S. on W.
face, raised a mound of stone
2 ft. base, 1½ ft. high W. of cor.
Pits impracticable.

50.00 Begin steep ascent over broken
sandstone ledges.

56.00 Top of steep ascent.
leave ledges and cañon. ascending
over rolling land.

80.00 set a sandstone 24 x 10 x 3 ins.
in a mound of stone, for cor.
of secs. 27, 28, 33 and 34. marked with
3 notches on the E. and 1 notch
the S. edges.

Subdivision of T. 42 S., R. 26 E., Continued

Chains	
	raised a mound of stone 2 ft. base 1½ ft. high. W. of cor.
	Pits impracticable
	Land, mountainous
	Soil stony. 1st & 2nd rate.
	No timber
	Mountainous land, 8000 chs.
	March 22, 1899.
	March 23d 1899.
	At 8 a.m., l.m.t., We set off 37° 05' N. on lat. arc; 1° 08' N. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 27, 28, 33 & 34.
	Thence We run.
	East on a random line bet. secs. 27 & 34.
	Over rolling land.
40.00	Set temp. ¼ sec. cor.
72.45	Intersect Utah, Colorado, bdy. line. 6.55 chs. S. of the 7th mile cor. which is a sand stone 10 x 14 x 3 ins., above ground, marked as described, by the Surveyor.
	General.
	At point of intersection
	Set a sand stone 12 x 8 x 6 ins. 8 ins. in the ground, for closing cor. to tract, secs. 27 & 34.
	Marked C.C.U. on W. with 5 grooves on the N. and 1 groove on the S. faces,
	raised a mound of stone 2 ft. base 1½ ft. high. W. of cor.
	Pits impracticable

Subdivision of T. 42 S., R. 26 E. Continued.

Chains.

Thence N. per run.
N. on a true line bet. secs. 27 and 34.
Descending over rolling mesa
32.45 Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. : on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable.
72.45 The cor. of secs. 27, 28, 33 and 34.
Land, mountainous.
Soil, sandy. 1st rate.
No timber.
Mountainous land, 72.45 chs.

S. 0° 02' W. bet. secs. 33 and 34.
Ascending over rolling land
24.00 Ravine 30 ft. deep course N. W.
40.00 150 ft. above sec. cor.
Set a cobble rock 14 x 8 x 5 ins. 10 ins. in the ground, for 1/4 sec. cor.
Marked 1/4 S. : on W. face, raised a mound of stone 2 ft. base; 1 1/2 ft. high. W. of cor.
Pits impracticable.
46.00 Cross saddle between hills. bears N. W. and S. E.
Along W. slope of ridge.
50.50 Top of high spur to mountain. projects S. W.

Subdivision of T. 42 S., R. 26 E., Continued.

Chains	
	Begin steep descent.
74.50	Bottom of Box Cañon 150 ft. deep.
	Course N. ascend
80.00	on small flat. 600 ft. below
	1/4 secor.
	Set a sand stone. 20 x 10 x 3 ins
	in a mound of stone.
	for cor. of secs. 3, 4, 33 and
	34. on S. bdy. of T. 42 S. R 26. E.
	Marked with 3 notches on
	the E. and N. edges.
	raised a mound of stone
	2 ft. base, 1 1/2 ft. high.
	N. of cor.
	Pits impracticable.
	Land, mountainous.
	Soil, Gravelly. 2nd rate.
	No timber
	Mountainous land
	80.00 chs.

March 28th 1899.

At this cor. we set off 1° 12' N. on decl. arc; and at 12 hrs 09 m l. m. t. observe the sun on the meridian the resulting latitude is 37°05' N.

March 28th 1899.

Note: From this point we extend the South bdy. E. and N. as per special instructions See book "N."

Subdivision of T. 42 S., R. 26 E.,

Chains.

March 21 1899

At 9 a.m., l.m.t., we set off 37°10' N. on lat. arc; 0° 28' N. on decl. arc; and determine a true meridian with the solar, at the cor. of secs. 4, 5, 32 and 33. on the N. bdy. of T. 42 S., R. 26 E.

Already described.

Thence we run

S. 0°01' W. bet. secs. 4 and 5

Ascending over rolling rocky hills. ~~very~~ broken,

40.00 Set a sand stone 16 x 10 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.

Pits impracticable.

80.00 Set a sand stone 16 x 10 x 8 ins. 11 ins. in the ground, for cor. of secs. 4, 5, 8 and 9. Marked with 5 notches on the S. and 4 notches on the E. edges. raised a mound of stone 2 ft. base, 1½ ft. high. W. of cor.

Pits impracticable.

Land, mountainous

Soil, stony. 4th rate.

No timber,

Mountainous land, 80.00 chs.

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

Thence we run

Subdivision of T. 42 S., R. 26 E., Continued.

Chains	
	W. on a true line bet. secs. 4 and 9. Over broken hills.
34.00	Bottom of Ravine 75 ft. deep. Course S.
40.00	Set a sandstone 14 x 10 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on N. face, raised a mound of stone, 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable.
46.00	Ravine 100 ft. deep. Course S.
80.00	The cor. of secs. 4, 5, 8, and 9. Land, mountainous. Soil, stony, 4th rate. No timber. Mountainous land, 80.00 chs.
	S. 0°01' W. bet. secs. 8 and 9 descending over rolling land.
10.00	Bottom of ravine, 50 ft. deep. Course S. W.
29.50	Spur projects W.
36.00	Bottom of ravine 150 ft. deep. Course W. Begin steep ascent
37.50	Spur projects W.
40.00	Set a sand stone 14 x 10 x 3 ins. 10 ins. in the ground, for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
66.00	top of ridge bears N.E. and S.W.
70.00	Bottom of ravine 150 ft. deep. Course S.E.

Subdivision of T. 42 S., R. 26 E. Continued.

Chains.

77.20 Stony Spur projects N. E.
descend over sand stone le
20 ft high. bear N. E. and S. W.

80.00 Set a sandstone 18 x 10 x 12 ins 12 ins.
in the ground, for cor. of secs. 8,
9, 16, and 17. marked with 4 notches
on the S. and East edges,
raised a mound of stone 2 ft.
base, 1½ ft. high. W. of cor. pits imp.
Land, mountainous.
Soil, stony clay. 3rd rate.
No timber
Mountainous land 80.00 chs.

Cloud obscured sun. could
take no observation for lat. this
day.

March 21 1899

March 22 1899.

At 8 am limit W. E. set off
37°08' N. on lat. arc; 0°45' N. on decl.
arc; and determine a true merid-
ian with the solar at the cor. of
secs. 8, 9, 16 and 17.
Thence We run East on a
Random line bet. secs. 9 and 16.

40.00 set temp. ¼ sec. cor.

80.00 Intersect N. and S. line at the cor.
of secs. 9, 10, 15 and 16.
Thence We run
West on a true line bet. secs.
9 and 16.
descending over broken
sandstone ledges.

3.00 Bottom of ravine, 40 ft deep.
Course N. W. ascend
along N. slope of ridge.

Subdivision of T. 47 S., R. 26 E. Continued

Chains	
40.00	Set a sand stone 14x10x4 ins. 10 ins. in the ground; for 1/4 sec. Cor. marked: 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
45.00	Descend along S.E. side of Cañon.
61.00	Bottom of slope.
63.00	Wagon Road, bears S.W. and N.E.
64.50	Bottom of Cañon. 3.50 ft deep. Course S.W.
80.00	The Cor. of secs. 8, 9, 16 and 17. Land mountainous, Soil, stony 4th rate. No timber Mountainous land, 80.00 chs.

S 0°01' W bet. secs. 16 and 17.
descending.

5.00	Bottom of slope. bears N.E. and S.W. along bottom.
9.50	Wagon road bears N.E. and S.W.
40.00	Set a sand stone 18x18x6 ins. 12 ins in the ground for 1/4 sec. cor. Marked 1/4 S on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor. Pits impracticable Begin ascending.
59.80	Top of steep ascent. 200 ft high projects W.
79.50	Top of ridge bears W. and E.
80.00	Set a sand stone 18x10x8 ins. 17 ins. in the ground for cor. of secs. 16, 17, 20 and 21. Marked

Subdivision of T. 48 S., R. 26 E, Continued.

Chains.

4 notches on the E. and 3 notches on the S. edges. raised a of stone 2 ft. base, 1½ ft. high W. of cor.
Pits impracticable.
Land, mountainous;
Soil, stony. 3rd rate.
No timber.
Mountainous land, 80.00 chs.
March 22. 1899

At this cor. we set off 0° 48' N. on decl. arc; and at 12 hr. 07 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 07' N.

East on a random line bet. secs. 16 and 21.

40.00 set temp. 1/4 sec. cor.

80.00 Intersect N. and S. line 3 lks. S. of the cor. of secs. 15, 16, 21 and 22.
Thence W. run S. 89° 59' W. on a true line bet. secs. 16 and 21.
Ascending over rolling land

10.50 top of ridge bears N. W. and S. E.
descend

14.00 Enter broken sand stone ledges along S. side of ridge.

40.00 Set a sand stone 14 x 8 x 6 ins. 10 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.

80.00 The cor. of secs. 16, 17, 20 and 21.
Land, mountainous.

Subdivision of T. 42 S., R. 26 E., Continued.

Chains	
	Soil, stony 4th pale No timber Mountainous land 80.00 chs. March 22 1899.
	March 23 1899. at 8h 0m am. l. m. t., we set off 37°07' N. on lat. arc; 1°08' N. on decl. arc; and determine a true meridian with the solar at the cor. of secs. 16, 17, 20 and 21. Thence we run S. 0°01' W. bet. secs. 20 and 21. descend, over broken sandstone ledges.
1.50	perpendicular ledge 15 ft. high bears E. and W. begin steep descent.
4.50	Foot of steep descent 225 ft. below cor. over rolling land
20.00	Begin steep descent
25.00	Bottom of Cañon 150 ft. deep. course S. W. ascend over broken clay hills.
40.00	set a sand rock 18 x 8 x 6 ins. 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stones, 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable.
57.00	Bottom of Cañon 150 ft. deep course S. W.
70.00	Begin steep ascent.
80.00	Falls on sand stone boulder 14 x 6 x 4 ft. for cor. of secs. 20, 21, 28 and 29. mark a cross on boulder, with 4 notches on the E. and 2 notches on the S. edges. raised a mound of stone 2 ft. base

Subdivisions of T. 42 S., R. 26 E. Continued.

Chains.

1½ ft. high. W. of Cor.
Pits impracticable,
Land, mountainous
Soil stony 4th rate.
No timber.
Mountainous land 80.00 Chs.

89°59' E. on a random line bet. secs. 21 and 28.

40.00 set temp. 1/4 sec. cor.

80.08 Intersect N. and S. line 5 lks. N. of the cor. of secs. 21, 22, 27 and 28.
Thence We run
N. 89°59' W. on a true line bet. secs. 21 and 28.
Ascending

18.00 Begin steep ascent, over broken sand stone ledges. bear S. W. and N. E.

21.50 Ledges 15 ft high bear S. W. and N. E.

25.00 Ridge bears N. E. and S. W.
descend

28.50 Begin steep descent along S. side of spur.

40.04 Set a sand stone 16 x 10 x 5 ins. 11 in the ground for 1/4 sec. cor. marke 1/4 S. on N. face, raised a mou of stone 2 ft base, 1½ ft. high N. of cor. Pits impracticable.

51.00 Bottom of Cañon 350 ft deep. course S. W. begin ascending. East side of mountain

71.00 Top of mountain bears N. E. and S. W. descend.

80.08 The cor. of secs. 20, 21, 28 and 29
Land, mountainous,
Soil stony 4th rate.
No timber

Subdivision of T. 42 S., R. 26 E., Continued.

Chains	
	Mountainous land 80.08 chs. Impossible to take lat. observation on account of cloud this day.
	March 24 1899. At 8 am. l.m.t. We set off 37°06' N. on Lat. arc; 1°32' N. on decl. arc; and determine a true meridian with the solar. at the cor. of secs. 20, 21, 28 and 29. Thence We run West bet. secs. 20 and 29. Begin steep ascent over broken Sand stone ledges.
50.00	Spur 75 ft above cor. projects N. begin steep descent.
22.00	drain, Course N.
24.00	drain course N.E. and foot of slope. 550 ft below Spur.
40.00	Set a cobble rock 15 x 8 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits impracticable Over rolling land.
44.00	Trail bears N.E. and S.W. to Trading post.
50.35	Near R. bank of Sanjuan River. On projecting sand stone ledge bears N. and S. for Meander cor. to fractional secs. 20 and 29. marked a cross

Subdivision of T. 42 S, R. 26 E. Continued.

chains.

on ledge, with M.C. on N. and
2 grooves on the S. face
raised a mound of stone
2 ft. base, 1½ ft. high E. of
Cor.
Pits impracticable.
Mountainous land,
Soil, sandy and stony 1st and 4th rates.
No timber
Mountainous land 50.35 chs.

S. 0°01' N. bet. secs 28 and 29.
ascending over broken Sandstone ledges.
1.70 Top of ledges. 60 ft high bears
E. and N.
3.00 Top of mountain. ridge bears
N.E. and N.W.
descend.
9.00 Top of sand-stone ledges 20 ft.
high, bears S.E. and N.W.
Begin steep descent.
39.00 Wash and bottom of cañon
60 ft. deep. course S.W.
40.00 Set a sand stone 12 x 12 x 6 ins. 8 ins.
in the ground for 1/4 sec. cor.
marked 1/4 S. on W. face,
raised a mound of stone
2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable.
41.00 Begin steep ascent.
68.50 sand stone ledge. 10 ft. high
bears E. and W.
leave ledges.
72.00 Top of ridge. bears E. and W.
descend over rolling
land,

Subdivision of T. 42 S., R. 26 E. Continued

chains	
80.00	Set a cobble rock 12 x 8 x 6 ins. 8 ins. in the ground for cor. of secs. 28, 29, 32 and 33. Marked with 4 notches on the E. and 1 notch on the S. edges. Raised a mound of stone 2 ft. base, 1½ ft. high, West of cor. Pits impracticable. Land, mountainous. Soil, stony. 2nd and 4th rate. No timber. Mountainous land, 80.00 chs.
	March 24 1899 at this cor. We set off 1° 35' N.S on decl. arc, and at 12 hrs 06 m l.m.t., Observe the sun on the meridian the resulting lat. is 37° 05' N.
	S. 89° 59' E. on a random line bet. secs. 28 and 33.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line 3 lks. S. of the cor. of secs. 27, 28, 33 and 34. Thence We run West on a true line bet. secs. 28 and 33. Descending over rolling land, gravelly soil.
18.00	Ravine. 100 ft deep, course N.W. ascend along N. slope of ridge
37.00	Top of ridge, bears N. 70° W. S. 70° E. descend along S. side of ridge.

Subdivision of T. 42 S., R. 26 E., Continued.

Chains.

40.00 Set a sand stone 15 x 10 x 3 ins. 10 ins in the ground, for 1/4 sec. cor. marked 1/4 S.; on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.

80.00 The cor. of secs. 28, 29, 32 and 33.
Land, mountainous
Soil, sandy and stony. 2nd rate.
No timber,
Mountainous land, 80.00 chs.

March 24 1899.

March 25 1899.

At 8 a.m. l. m. t., we set off 37°05' N. on lat. arc; 1°56' N. on decl. arc; and determine a true meridian, with the solar at the cor. of secs. 28, 29, 32 and 33.
Thence we run
West. bet. secs. 29 and 32.
Descending steep slope to S. W.

30.00 Foot of steep slope; descend over
40.00 rolling foot hills.
40.00 Set a cobble rock, 14 x 12 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S.; on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
Pits impracticable.

46.00 Leave foot hills, enter flat.
Gravelly sand.

Subdivision of T. 42 S., R. 26 E., Continued

chains	
64.25	Trail bears N. W. and S. E. to Aims and West's trading post.
80.00	Set a sand stone 16 x 16 x 3 ins. 11 ins. in the ground, for cor of secs. 29, 30, 31 and 32
16/36	marked with 5 notches on the E. and 1 notch on the S. edges. raised a mound of stone 2 ft. base, 1½ ft. high, W. of cor. Pits impracticable. Land, mountainous and level. Soil, gravelly and stony 1st and 3rd rate. No timber. Mountainous land 4600 chs. level land 3400 chs.
	March 25, 1899. at this cor. we set off 1°59' N. on decl. arc; and at 12 hrs 06 M. l. m. t., observe the sun on the meridian the resulting lat. is 37°05' N.
	N. 0°01' E. bet. secs. 29 and 30 over nearly level land, gravelly soil.
40.00	Set a cobble rock 16 x 8 x 6 ins. 11 ins. in the ground, for ¼ sec. cor. marked, ¼ S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
62.45	Right bank of San Juan River 60 ft. high. bears N. E. and S. W. Set a sand stone 18 x 14 x 3 ins. in a mound of stone for Mea cor. to Trac. secs. 29 and 30.

Subdivision T. 42 S., R. 26 E. Continued.

Chains.

Marked M.C. on N. with 5 grooves on the E. faces, raised a mound of stone 2 ft. base, 1½ ft. high, S. of Cor. Pits impracticable.
Land, level,
Soil, gravelly, 1st rate.
No timber

From the cor. of secs. 29, 30, 31 and 32.
We run W. bet. 30. and 31.
Over level land,
14.25 Bluff on Right bank of San Juan river. bears N.W. and S.E.
Set a cobble stone 14x10x5 ins. 10 ins in the a for Meander cor. to fracl. secs. 30 and 31.
Marked M.C. on W. with 1 groove on S. faces. raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
Pits impracticable.
Land, level
Soil, gravelly 1st rate
No timber

From the cor. of secs. 29. 30, 31 and 3
We run
S. 0°01' W. bet. secs. 31 and 32.
Over nearly level land.
7.50 Begin steep descent, edge of bluff and pole fence, bears E. and W.
Enter claim of T. L. Hodgedone,
9.00 Foot of bluff, bears E. and
Enter dense growth of Y
Cultivated land extends E. and W. of narrow strip of Cottonwood, bears N. and S.
24.00 Leave Cultivated land,
House on claim about 20 chs. East.

Subdivision of T. 42 S., R. 26 E., continued.

Chains	
40.00	Set a cobble rock 12 x 8 x 4 ins. 8 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable.
43.75	Right bank of San Juan river bears N. W. and S. E. Set a cottonwood post 3 ft. long, 4 ins. sq. 24 ins. in the ground, for the cor. to fract. secs. 31 and 32. Marked T. 42 S., S. 32 on E., R. 26 E., S. 31 on W. and M.C. on S. faces, with 5 grooves on E. from which a cottonwood tree 36 ins. in diam. bears N. 34° E. 1.35 chs. dist. Marked T. 42 S. R. 26 E. S. 32 M.C.B.T. A cottonwood 14 ins. in diam. bears N. 54° W. 1.00 ch. dist. Marked T. 42 S., R. 26 E., S. 31. M.C. B.T.
	Land, level,
	Soil, gravelly, 1st rate.
	Young growth Cottonwood,
	Dense under growth 35.75 chs.
	From the cor. of secs. 28, 29, 32 and 33.
	S. 0° 01' W. on a random line bet. secs. 32 and 33.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect E. and W. line on S. bdy. of Tp. at the cor. of secs. 4, 5, 32 and 33 previously described.
	Thence W. per run
	N. 0° 01' E. on a true line bet. secs. 32 and 33.
	Ascending steep slope.
2.50	Sandstone ledges 40 ft. high on top of ridge bears S. 20° E. and N. 20° W.
	descend,
40.00	Set a sandstone 20 x 12 x 8 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor. Pits impracticable
55.00	Bottom of ravine, 200 ft. deep, course W. ascend,
69.00	Sandstone ledges 75 ft. high bear E. and W.
80.00	The cor. of secs. 28, 29, 32 and 33.
	Land, Mountainous
	Soil, stony & clay 4th rate.
	No timber
	Mountainous land, 80.00 chs.
	March 25th, 1899.

Subdivision T. 42 S., R. 26 E., continued.

chains. March 24th 1899.
At 8 a.m., l.m.t., We set off 37°10' N. on lat. arc; 1°32' N. on decl. arc; and deter a true meridian with the solar at cor. of secs. 5, 6, 31 and 32. on the N. bdy. of T. 42 S., R. 26 E.,
Already described.
Thence We run
S. 0°01' W. bet. secs. 5 and 6.
ascending over rolling land,
4.50 Top of spur, projects W.
descend over broken hills
40.00 Set a sand rock 18 x 12 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. 1/4 S. on W. face, raised a mound 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable
70.00 Top of ridge bears N. W. and S. E.
80.00 Set a sand stone 18 x 12 x 6 ins. 12 in the ground for cor. of secs. 5, 6, 7 and 8. marked with 5 notches on the S. and E. edges. raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
Pits impracticable.
Land, mountainous.
Soil, stony clay, 3rd and 4th rate.
No timber,
Mountainous land, 80.00 chs.

West on a random line bet. secs. 6 and
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect W. bdy of Tp. at the cor. secs. 1, 6, 7 and 12.
Thence We run
East on a true line bet. secs. 6 and 7.
Over Nearly level land, through dense
17.00 Wagon road at foot of hill, bears N. W. and S. E. begin ascending.
29.50 Top of Bluff 400. ft. above San Juan River.

Subdivision of T. 42 S., R. 26 E., continued.

Chains.	
	Over rolling land,
40.00	Set a sand stone 16 x 10 x 8 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
80.00	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous
	Soil, stony 3rd rate
	No timber
	Mountainous land, 80.00 chs.
	Cloud obscures the sun; can take no observation for lat. this day.
	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, at the cor. of secs. 4, 5, 8 and 9.
	Thence W. on
	West on a true line bet. secs. 5 and 8.
	Over broken clay hills.
40.00	Set a sand rock 18 x 8 x 8 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.
80.00	The cor. of secs. 5, 6, 7 and 8.
	Land, mountainous
	Soil, stony. 4th rate.
	No timber
	Mountainous land, 80.00 chs
	S. 0°01' W. bet. secs. 7 and 8.
	Descending over broken hills.
40.00	Set a sand stone 14 x 10 x 4 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a

Subdivision of T. 42 S., R. 26 E., continued.

Chains.

mound of stone, 2 ft. base, 1½ ft.
W. of Cor. Pits impracticable.

55.00 Ravine 350 ft. below cor.
course W. ascend.
to 2nd bench.

67.00 Top of bench along rolling
bench land,

80.00 Set a sand stone 18 x 10 x 8 ins. 12
in the ground for cor. of secs. 7, 8,
17 and 18. Marked with 5 notches on
the E. and 4 notches on the S. edges.
a mound of stone 2 ft. base,
1½ ft. high. W. of Cor. Pits
Land Mountainous
Soil, stony, 4th rate
No timber
Mountainous land 80.00 Chs.
March 24th 1899.

March 25th 1899. at 8 a.m., l. m. t.,
We set off 37°08' N. on lat. arc; 1°
56' N. on decl. arc; and
a true meridian with the sole
the cor. of secs. 7, 8, 17 and 18.
Thence We run
West bet. secs. 7 and 18:
Descending over rolling bench

12.00 Begin steep descent.

14.75 Bottom of wash 60 ft. deep. course
N. W.

25.75 Enter same wash course S. W.
and road bears N.E. and S.W.

30.85 Near Mouth of Wash on the right
bank of the San Juan river bears N.W. and S.W. 10
Set a sand stone 20 x 14 x 8 ins. 15 ins.
in the ground for meander Cor. to
secs. 7 and 18, marked M.C. on W.
with 4 grooves on S. faces &
a mound of stone 2 ft. base, 1½ ft.
high E. of Cor. Pits impracticable.

Subdivision of T. 42 S., R. 26 E. continued.

Chains.	
	To pass bend of river. We offset S. 2.00 chs. West. 9.15 chs.
	Thence N. 2.00 chs. to point on line
40.00	and bank of River bears N.W. and S.E.
	Set a sand stone 16 x 10 x 5 ins. 11 ins. in the ground for Meander and 1/4 sec cor.
	marked 1/4 S. on N. and M.C. on W. faces, raised a mound of stone 2 ft. base, 1 1/2 ft high W. of cor. Pits impracticable.
	Through dense growth of young Cotton wood.
73.70	Right bank of San Juan river bears N. and S.
	Set a sand stone 15 x 10 x 5 ins. 10 ins in the ground for Meander Cor. to fract. secs. 7 and 18. marked M.C. on W. with 4 grooves on S. faces, raised a mound of stone 2 ft. base 1/2 ft. high E. of cor.
	Pits impracticable.
	Land, Mountainous & bottom
	Soil sandy & gravelly 1st and 3 rate.
	Cotton wood timber.
	Mountainous land and dense underbrush 73.70 chs.
	A.C. Honaker's claim lays South of this line and in the bend of the river. the house stands about 8 chs S. and 13 chs E of the Meander Cor.
	From the cor. of secs. 7, 8, 17 and 18.
	We run East on a random line bet. secs. 8 and 17.
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 8, 9, 16 and 17.
	Thence We run, West on a true line bet. secs. 8 and 17.
	Ascending along steep side hill over broken sand stone ledges.
34.00	Top of slope, Descend
40.00	Set a sand stone 16 x 10 x 5 ins. 11 ins. in the ground, for 1/4 sec. cor.

Subdivision of T. 42 S., R 26 E., continued.

Chains.

Marked 1/4 S. on N. face, raised amound of stone 2 ft. base, 1 1/2 ft. high. N. of cor. Pits

80.00 The cor. of secs. 7, 8, 17 and 18.
Land, mountainous.
Soil, stony, 3rd rate.
No timber
Mountainous land, 80.00 chs.

S. 0°01' W. bet. secs. 17 and 18.
Over rolling land,

26.50 Wash. 25 ft deep course N. W.
38.75 Wagon road. bears N. 70° W. and S. 70° E.
39.00 Irrigation ditch runs N. 20° W.
40.00 Set a sand stone 15 x 8 x 6 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high. W. of cor. Pits impracticable
A. C. Honaker's claim lays West of this line.

Begin steep ascent.
42.50 Top of steep ascent bears E. and W.
Over rolling hills
80.00 Set a sand rock 12 x 8 x 6 ins. 8 ins. in the ground for cor. of secs. 17, 18, 19 and 20. marked with 5 notches on the E. and 3 notches on the S. edges. raised a of stone 2 ft. base, 1 1/2 ft. high W. o
Pits impracticable
Land, mountainous.
Soil, stony 2nd rate.
No timber
Mountainous land, 80.00 chs.

Chains	
	West bet. secs. 18 & 19. ascend
	over rolling land.
12.00	Top of bluff.
	descend.
24.00	Foot of bluff, and right bank of
	San Juan, River bears N.N.E. & S.
	Set a sand stone 30 x 10 x 8 ins.
	in a mound of rock, for Meander
	Cor. to frac. secs. 18 & 19. marked
	M.C. on E. With 3 grooves on the
	S. face.
	raised a mound of stone
	2 ft. base, 1½ ft. high E. of Cor.
	Pits impracticable.
	Land, mountainous.
	Soil, stony 2nd rate.
	No timber.
	Mountainous land 24.00 chs.

	From the Cor. of secs. 17, 18, 19 & 20.
	We run East on a random line
	bet. secs. 17 & 20.
40.00	set temp. ¼ sec. cor.
80.00	Intersect N. & S. line at the cor.
	of secs. 16, 17, 20 & 21.
	Thence We run
	West on a true line bet. secs.
	17 & 20.
	Ascending over broken sand
	stone ledges.
8.50	Top of ridge, bears S.W. & N.E.
	descend steep slope
13.00	Foot of steep descent.
40.00	set a cobble stone 14 x 8 x 7 ins. 10 ins.
	in the ground for ¼ sec. cor. marked
	¼ S. on N. face, raised a mound
	of stone 2 ft. base 1½ ft. high N. of Cor.
	Pits impracticable.
	300 ft. below ridge.

Subdivision T42S., R26E., Continued.

Chains.

80.00 The cor. of secs. 17, 18, 19 and 20.
Land, mountainous.
Soil, stony. 1st and 4th rate.
No timber
Mountainous land, 80.00chs.

.0°01' W. bet. secs. 19 and 20.
Ascending over rolling land.

101.00 Top of ledge 20 ft. high and edge of River bluffs. 300 ft. high. Bears N. W. and S. E.
Begin steep descent.

125.00 Foot of bluff and right bank of San Juan River bears N. W. and S. E.
Falls on a boulder 36 x 36 x 30 ins. above ground, for meander cor. to fract secs. 19 and 20. Naked M.C. on S. with 5 grooves on E. faces raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.
Land, mountainous
Soil, stony.
No timber.
Mountainous land, 125.00chs.
Cloud obscures the sun can take no observation for Lat. this day.

March 25th

Meanders, T. 47 S., R. 26 E.

Meanders of the right bank of the San Juan River, up stream.
We commence at the meander cor. of fracl. secs. 7 and 12 on the West bdy. of the Tp.
Established by us.
At this cor., March 26th 1899.
We set off 37°09' N. on lat. arc; 2°19' N. on decl. arc; and at 8. a. m., l. m. t., determine a true meridian with the polar.
Thence we run with meanders in Sec. 7.
Through dense growth of young cottonwood.
N. 68°15' E. 5.30 chs. Bank 6 ft. high.
N. 86° E. 7.30 chs. Bank 6 ft high.
S. 71°15' E. 15.30 chs. at 10 chs foot of bluff and wagon road.
S. 47°15' E. 10.80 chs. Banks 6 ft. high. Leave wagon road.
S. 29°45' E. 11.70 chs. [illegible]
S. 9°00' E. 55.40 chs. At 10.00 chs. Mouth of wash course N. W. Leave young cottonwood at 43.50 chs. Sandstone ledges. 30 ft high. at 53.00 chs. mouth of wash. course N. W. To meander cor. of fracl. secs. 7 and 18.

Land river bottom
Soil, sandy 1st rate.
Timber cottonwood,
Dense undergrowth 105.80 chs.

Thence in sec. 18.
Over level land,
S. 78°50' W. 9.30 chs. Banks 4 ft high.
N. 1°15' W. 1.80 chs. To 1/4 sec. cor. M.C. of fracl. secs. 7 and 18.

Meandes, T. 42 S, R. 26 E, continued.

Land, river bottom.
Soil, sandy 1st rate.
No timber.

Thence in sec 7.
Over level bottom.
N. 79°30' W. 10.00 chs. Banks 4 ft. high.
N. 37° W. 9.90 chs. banks 6 ft. high.
N. 80°45' W. 5.20 chs. bank, 3 ft. high.
S. 62°15' W. 8.30 chs.
S. 44°15' W. 7.90 chs.
S. 5°45' E. 1.01 chs. To meander cor. of frac. sec. 7 & 18.

Land gently rolling bottom
soil, sandy 1st rate.
No timber.

Thence in sec. 18.
Through dense growth of young cotton wood. banks 3 ft. high.
S. 5°45' E. 2.30 chs.
S. 1°15' W. 4.70 chs.
S. 19°15' E. 3.60 chs.
S. 11° E. 5.80 chs.
S. 23°15' E. 10.60 chs.
S. 33° E. 6.80 chs. head of ditch course E.
S. 3°15' E. 2.50 chs. bank 6 ft. high.
S. 31°30' E. 11.70 chs. bank 5 ft. high.
S. 64°15' E. 2.70 chs. bank 4 ft. high.
S. 18°15' E. 6.40 chs. At 3.50 chs. bank 5 ft high, leave dense undergrowth, ascend bl

S. 8°15' E. 4.80 chs. Along top of bluff 30 ft. high.

61.00

S. 17°45' E. 4.60 chs.
S. 41°15' E. 6.40 chs.
S. 60° E. 11.10 chs.
S. 60°15' E. 7.50 chs. Top of bluffs. bank 30 ft. high. descend.
S. 21°00 E. 4.90 chs. At 2.00 chs. enter river bottom. bank 5 ft. high.
S. 39°15' E. 2.80 chs. To meander cor. of frac. secs. 18 and 19.

99.20

Land, river bottom and bluffs.
Soil sandy and gravelly, 1st and 3rd rate.
Timber, cottonwood,
Dense under growth. 54.20 chs.

Thence in sec. 19.
Along foot of Bluffs.
S. 39°15' E. 3.30 chs. bank 5 ft. high.
S. 54°45' E. 3.30 chs. bank 4 ft. high.
S. 60°15' E. 10.60 chs. bank 5 ft. high. Along foot of Mountain
S. 74°15' E. 10.50 chs. To meander cor. of frac. secs. 19 and 20.

17.70

Land, broken.
Soil, gravelly & stony. 3rd rate.
No timber.
March 26. 1899
At this cor. we set off 2°22' N. on decl. arc; and at 12 h 06 m 2 s l. m. t., observe the sun on the meridian the resulting lat. is 37°07' N.

Thence in sec. 20.
Along foot of Mountain.
S. 67°45' E. 6.80 chs. bank 8 ft. high.

Meanders. T.42 S., R.26 E., continued:

6.80

S. 1°30' W. 5.10 chs. bank 4 ft. high.
Leave foot of mount
. 12°30' E. 4.20 chs. along bottom.
S. 46° E. 4.90 chs. bank 3 ft high.
. 64° E. 4.00 chs.
. 78° E. 5.20 chs.
S. 36°30' E. 9.50 chs. Entrance of wash
course W.
. 25°30' E. 12.20 chs.
S. 16° E. 12.20 chs. bank 4 ft. high.
. 3°15' E. 6.40 chs.
S. 18°15' W. 13.40 chs. bank 7 ft. high. At
13.00 chs. foot
ascend.
83.90
Meander Cor. to fr
secs. 20 and 29.

Land, broken.
Soil, stony, — 2nd and 4th rate.
No timber

Thence in sec. 29.
Ascending along bluff.
S. 39° W. 6.70 chs. bank 30 ft. high.
S. 28° W. 4.10 chs.
. 64°15' W. 4.20 chs. N. side of wash
deep, 100 ft. wide.
course W.
. 41°30' W. 3.40 chs.
S. 76° W. 18.90 chs. At 11.00 chs. foot
of bluff, enter bottom
bank 7 ft. high.
36.40
To meander cor. of
frac. secs. 29 and 30.

Land, broken
Soil, gravelly 3rd rate.
No timber

Meanders, T. 42 S., R. 26 E., continued.

Thence in sec. 30.
Along bottom.
S. 72°15' W. 11.30 chs. bank 3 ft. high.
S. 56° W. 9.90 chs.
S. 43°30' W. 7.20 chs.
S. 27°15' W. 10.40 chs.
S. 3° 30' W. 13.10 chs.
S. 19° E. 18.40 chs. bank. 3 ft. high
S. 53°43' E. 3.60 chs. ascend bluffs
leave river bottom.
S. 42°45' E. 8.70 chs. at 3.00 chs. ravine
40 ft. deep. course S. W.
To Meander Cor. to frac.
12.10 secs. 30 and 31.

Land broken
Soil sandy & gravelly. 2nd and 3rd rate
Cotton wood timber

Thence in sec. 31.
Along bluffs.
S. 50°30' E. 3.30 chs. bank. 30 ft high
S. 6°30' E. 24.70 chs. bank. 24 ft high
At. 24.00 chs. foot of
bluff, enter bottom, dense
Cotton wood.
S. 15°45' E. 11.80 chs. bank 3 ft. high.
S. 13°30' E. 6.50 chs. bank 4 ft. high.
S. 67°15' E. 1.30 chs. bank 6 ft. high.
To Meander Cor to
17.10 frac. secs. 31 and 32.

Land broken
Soil stony & sandy 1st and 3rd rate.
Cotton wood timber.
dense undergrowth. 20.30 chs.

Thence in sec. 32.
Along bottom through Dense
growth of young Cottonwood.

Meanders, T. 42 S., R. 26 E., concluded.

S. 59°30' E. 12.60 chs. bank 6 ft. high.
S. 25°30' E. 10.60 " bank 4 ft. high.
S. 69°15' E. 7.90 chs.
S. 72°30' E. 22.00 chs. bank 3 ft. high.
S. 49°45' E. 10.80 chs. bank 4 ft. high.
S. 39°45' E. 5.70 chs. To meander cor. to fracl. secs. 5 and 32 on S. bdy. of Tp.

Land, river bottom
Soil, sandy 1st rate.
Cotton wood timber
dense undergrowth 69.60 chs.

March 26th 1899.

General Discription.

This township contains nearly every variety of land, from plains to mountains and the soil range from stony clay to sandy loam.

The soil of the bottom along the San Juan river is generally rich sandy loam, capable of producing abundant crops with irrigation, the water for which can be obtained from the San Juan river.

The land throughout produces a good growth of grass, particularly in the Eastern portion and is good grazing.

Cotton wood in the river bottom with only scattering and a scrubby growth of cedar timber is found in the Tp.

There are two settlers in this township T. L. Hodgedone, in Sec. 31 and 32, has a young orchard, and several acres of land under cultivation

General Discription.
42 S 26E

a house and barn with some fencing. The value of his improvements including a ditch through which water is taken from the river for irrigation is about Five hundred Dollars.

A. C. Monaked. Cultivates land in sec. 18.

His improvements consists of an orchard, House, barn, fence and ditch, together with a water-wheel with which he raises water from the San Juan river for irrigation

The value of the improvements is about Five hundred dollars.

The town of Rivers view was located in sec. 7. along the bank of the San Juan River during the excitement over placer mining. but has since been abandoned.

The indications of mineral are not sufficient to return this township as mineral land,

Hubert D. Page
James McLeod
U.S. Deputy Surveyors.

Latitude, departure, and closing errors.

Line	Designated	True bearing	Distances	Latitude N.	Latitude S.	Departure E.	Departure
S. bdy.	.42 S. R 26 E	West	152.25				152.25
bet secs 32	and 33.28 and 29.30 and 21	N 0°01' E.	240.00	240.00		.07	
bet secs. 1	and 20	West	80.00				80.00
bet. secs 1	and 18, 7 and 8	N 0°01' E.	160.00	160.00		.04	
bet secs.	and 7,	West	80.00				80.00
W. bdy. T42	S. R 26 E	North	80.00	80.00			
bdy. T42	S. R 26 E	East	311.93			311.93	
ado	tal bdy	South	81.04		481.04		
	ency					.35	
				480.00	481.04	312.39	312.25
					480.00	312.25	
					1.04	.14	

rrors in Lat and dept.

Hubert D. Page,
James M. Lentz,
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

narking the lines and corners described in the foregoing field notes of the survey of .....

.....

howing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

....., United States Deputy Surveyor, in surveying all

iose parts or portions of the .....

.....

.....

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

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

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

eneral for .....

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

bscribed and sworn to before me this .....

day of ....., 189

SEAL

.....

.....

6—151

pages 43
437 are b

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, February 17th, 1900

The foregoing field notes of the survey of the subdivisions & meanders of Township No. 42 South Range No. 26 East of the Salt Lake Base & Meridian, Utah

executed by Herbert D. Page & James M. Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B. Blair
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

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BOOK A-253

FIELD NOTES

OF THE re SURVEY OF THE

.3.10.

North Boundary

of

Township 40 South Range 21 East

Of the Salt Lake Base and Meridian,

State of Utah

AS re SURVEYED BY

D Page & James M. Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated October 29th 1897 & Munc protune, 189 Spl Inst dated Sept 14 1899

Survey commenced April 5th, 1899

urvey completed April 6, 1899

6—151

Recovery N. Pickering — high m. chs lks — 2-00-00 ✓

" low 2-00-00 ✓

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer	Chairman
Peter Allen	"
Harry Erwin	"
Walter O McCuen	"
John R Lumpkin	Moundman
George W Dalton	"
John R Lumpkin	Axeman
George W Dalton	"

For preliminary affidavits see book "B"

6—151

BOOK A-253

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

Resurvey of the N. Bdy. of T. 40 S., R. 21 E.

commenced April 5th 1899. and
with the instrument des-
bed in "Book A."
Then to test the solar apparatus by comparing its indications, resulting from older observations made during a. m. and p. m. hours, with a true meridian determined by observation on Polaris. We proceed as follows:
At the cor. of Tps. 39 and 40 S., Rs. 21 and 22 E.; Latitude 37°21' N. Longitude 109°37' W.; We set off 37°21' N. lat. arc; 6°19' N. on the decl arc; and at 4 p.m. l. m. t., determine by the solar a true meridian and mark a point thereof on a stone firmly set in the ground 5' N. of our station
At 6 hrs 15 m. p.m. l. m. t., We observe Polaris at western elongation in accordance with minimal of Ins-
ons and mark a point in the line thus determined on a plug driven in the ground 5 chs N. of our station

April 5th 1899.

April 6th 1899.
At 7 hrs 30 m a. m. l. m. t., We lay off the azimuth of Polaris 1°33' to the
The true meridian thus determined falls on the mark set by
solar observations
At 8 a.m. l. m. t., We set off 37°21' N. on the lat. arc; 6°33' N. on the decl arc; and determine a true meridian
The solar which falls on the mark set on the true meridian
ablished by the Polaris observations.
The solar apparatus by p.m. and a.m. observations defines positions for

Resurvey of the N. Bdy. of T40S. R21E. Continued.

Chains.	
	true meridians: therefore we conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8 a.m. is N.14°21' W. the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl. 14°17' E.
	We commence at the cor. of Tps. 39 and 40 S., Rs. 21 and 22 E. set by us Dec. 25, 1898. previously described. Thence we run West bet. secs. 1 and 36. Descending over rolling mesa soil sandy.
11.00	Ravine 75 ft. deep course S.W. Ascend over rolling mesa.
40.00	Set a sandstone 8×12×5 ins. 12 ins. in the ground for 1/4 sec cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Destroyed old cor. See Statement page 1 Book "A".
53.00	Leave sandy soil. thence over smooth sandstone floor.
61.00	Top of sandstone cliffs 300 ft high. east side of cottonwood canon and edge of mesa bears N.W. and S.E. down which we can not chain: set a flag on line near foot of cliffs. measure a base north 1.50 chs. to a point from which the flag bears S.45° W.; which gives for the distance (by traverse table) 1.50 chs. which added to 61.00 chs makes
62.50	Foot of cliffs. enter cottonwood canon thence over sandy soil descending
70.00	East edge of wash in bottom of cottonwood canon bears N.W. and S.E.

of the N. Bdy of T. 40 S., R. 21 E. Continued.

chains, small stream of water 1 LR
vide course S.
80.00 Point for cor of secs. 1. 2. 35 and 36 falls
in bottom of wash and subject to
inundation therefore WE set
cor. in the following mile west.
and mountainous
w/ sandy and stony; 1st & 4th rate.
No timber.
Mountainous land 80.00 chs.

West, bet. secs. 2 and 35
2.00 h edge of wash in bottom of
cottonwood canon, at this point
set a sandstone 22x14x6 ins. 16 ins.
the ground for witness cor to cor
of secs. 1. 2. 35 and 36 marked W.C.
on N.E. face with 1 notch on E
and 5 notches on W. edges, and
see a mound of stone 2 ft. base
1½ ft. high W. of cor. Pits impracticable
After diligent search no trace of witness
Cor. can be found.
Thence over sandy soil
5.00 Foot of sandstone cliffs 150 ft. high up
which we can not chain: set a flag
on line on top of cliffs. measure a
base south 1.50 chs. to a point from
the flag bears N. 45° W.; which
ies for the distance (by traverse table
1.50 chs. which added to 5.00 chs. m
7.00 Top of cliffs. edge of mesa and
cottonwood canon bears N.W. and
thence over rolling hard
mesa
15.00 Re 30 ft deep course N.E.
23.00 Same ravine course E.
thence along ravine
31.00 Leave ravine course S.E. ascend.
40.00 Sandstone 20x14x3 ins., 15 ins.
the ground for 1/4 sec. cor. marked

bears, 1/4 S. on N. face and raise a mound of
the 2 ft. base 1½ ft. high N. of cor.
Pits impracticable
after diligent search no old 1/4 sec. cor. can be
found; see statement page 1 Book A.
50.00 Ravine 50 ft. deep Course N.E.
thence over rolling sandy mesa
77.50 Ravine Course N.E.
80.00 a sandstone 24×12×6 ins., 18 ins.
in the ground for cor. of secs. 2. 3. 34
and 35. marked with 2 notches on
and 4 notches on W. edges and
raise a mound of stone 2 ft. base
½ ft. high W. of cor. Pits impracticable
No trace of old sec. cor. can be found, see
Statement page 1 book A.
Land mountainous.
oil sand and stone; 1st and 4th rate.
No timber.
Mountainous land. 80.00 chs.
April 6th 1899.
At this cor. the sch off 6°37' N. on
the decl arc; and at 12 hrs 08 m. l. m.
observe the sun on the meridi
the resulting lat. is 37°21' N.

West. bet. secs. 3 and 34.
Ascending over rolling sandy mesa
40.00 at a sandstone 20×8×8 ins., 15 ins. in
the ground for 1/4 sec. cor. marked 1/4
on N. face and raise a mou
of stone 2 ft. base 1½ ft. high N. of cor.
Pits impracticable.
No trace of old 1/4 sec. cor. can be
found see statement p. 1. book "A".
64.50 Wagon road, bears N. 25 E.
73.00 Ravine 50 ft. deep course N.

7 the N. of T. 40 S. R. 21 E. Concluded.

ains. Ascend,
76.00 Begin descend,
79.00 Ravine 25 ft. deep course N.E.
ascend,
80.00 sandstone 18 x 14 x 4 ins., 12 ins.
the ground for cor. of secs. 3. 4.
33 and 34. marked with 3 notches
on E. and W. edges and raise a
mound of stone 2 ft. base 1½ ft. high
W. of cor. Pits impracticable destroyed old cor. See P. 1. Book "A".
Land rolling
Soil sandy, 1st rate.
No timber.

Wesh. bch. secs. 4 and 33.
Over rolling sandy mesa,
23.50 Ravine course N.
31.00 Ravine course N.E.
40.00 sandstone 20 x 14 x 3 ins. 15
in the ground for ¼ sec. cor. marked
¼ S. on N. face. and raise a
mound of stone 2 ft. base 1½ ft. high
N. of cor. Pits impracticable destroyed old cor. See P. 1. Book A.
50.00 Enter scattering scrubby cedar,
thence over smooth sandstone floor.
80.00 Set a sandstone 16 x 10 x 5 ins. 11 ins
in a mound of stone for cor. of secs.
4. 5. 32 and 33. marked with 4 notches
on E. and 2 notches on W. edges and
raise a mound of stone 2 ft. base
1½ ft. high W. of cor. Pits impracticable Destroyed old cor. See Page 1 Book "A".
Land rolling.
Soil sand and stone: 1st and 4th rate.
Timber scattering cedar 20.00 chs.
Note
The continuance of this line Wesh
embrace land utterly worth-
composed entirely of solid
rock; traversed by numerous

5 chasms and perpendicular impassable cliffs dangerous to survey
We therefore discontinue further survey of this line.
For general description
see book of

Hubert D. Page.
James M Lentz
U.S. Deputy Surveyors

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D. Page and James M. Lentz, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the re-survey of the N. and E. boundaries of T. 40 S. Rs. 21, 22, 23, 24, 25 E. and N. Bdy. T. 40 S. R. 26 E. of the Salt Lake Base Meridian Utah, showing the respective capacities in which they acted:

Peter Meyer, Peter Allen, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R. Lumpkin, Axman.
George W. Dalton, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D. Page and James M. Lentz, United States Deputy Surveyor, in re-surveying all those parts or portions of the N. and E. boundaries of T. 40 S. Rs. 21, 22, 23, 24, 25 E. and N. Bdy. of T. 40 S. R. 26 E. of the Salt Lake meridian, State of Utah, which are represented in the foregoing field notes as having been re-surveyed by ~~him~~ them and under ~~his~~ their direction; and that said re-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 the District of Utah.

Peter Meyer, Peter Allen, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R. Lumpkin, Axman.
G. W. Dalton, Axman.
, Flagman.

Subscribed and sworn to before me this 13th day of April, 1899

Hubert D. Page,
U.S. Deputy Surveyor

SEAL

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We Hubert D Page & James M Lentz, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B Blair United States Surveyor General for the District of Utah, bearing date of the 29 day of October 1899 and [illegible] 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 District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the S & N Bds T40S R21E - N. E & W Bds T40S R22E - E & W Bds T40S R23E - S. E & W Bds T40S R24E S. E & N Bds T40S R25E and the S & N Bds T40S R26E

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books A, B, C, E, H, J, K, M, Z as having been surveyed by us, and under our direction; and we do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the District of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, we will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Hubert D Page James M Lentz
United States Deputy Surveyor

Subscribed by said Hubert D Page & James M Lentz, and sworn to before me this 20th day of November, 1899

Jacob B Blair
U S Surveyor General
for the District of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah February 17th 1901

The foregoing field notes of the survey of the North Boundary of Township 40 South Range 21 East of the Salt Lake Base & Meridian, Utah

executed by Hubert D Page & James M Lentz under the contract No. 215, dated October 29th, 1899, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B Blair
United States Surveyor General

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

United States Surveyor General

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4—679.

BOOK A-253

K.J.B.

FIELD NOTES

OF THE SURVEY OF THE

Subdivision and
Meander lines
of
Township No. 43 South
Range No. 16 East.

Of the Salt Lake Base & Meridian,
In the state of Utah

AS SURVEYED BY

Hubert D. Page and James M. Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated October 29, 1899

Survey commenced March 16th, 1899

Survey completed Mch. 29th, 1899

6—151

M. Chs. Lks.

Subs. - high 7-47-47 ✓ 8-57.02
" low 1-09-55 ✓
Along - 1-19-68 ? Sec

Meanders - high 1-29-30 ✓
" low - 5-28-45 ✓ 6-57-75

A & C - Bdry - 3-29-91 ✓

1574

BOOK A-253

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer. chainman.
Peter Allen. "
Henry Erwin. "
Walter O. McCuen "
John R. Lumpkin. moundman
George W. Dalton "
John R. Lumpkin alman
George W. Dalton "

For preliminary affidavits see book "D"

6—151

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PAGE

BOOK A-253

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 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. 43 S., R. 26 E.

Survey commenced, March 25 1899 and executed with the instruments described in book "D".

Then to test the solar apparatus, by comparing its indications, resulting from solar observations, made during A. M. and P. M. hours, with a true meridian determined by observation on Polaris, We proceed as follows;

At the cor. of secs. 3, 4, 33 and 34 on the North boundary of Tp. 43 S., R. 26 E.

Lat. 37°05 N. Long 109°09 W.

We set off 37°05 N. on lat. arc; 2°03 N on decl. arc; and at 4 p. m., l. m. t. determine with the solar a true meridian and mark the point thereof on a stone firmly set in the ground 5 chs S of the cor. At 7 hrs 3 m p. m. We set up over the point established by the solar and observe Polaris at Western elongation, in accordance with manual of instructions, and mark the point in the line thus determined, on a plug driven in the ground 5 chs. S of our station.

March 25, 1899

March 26, 1899. At 7 a. m., l. m. t. We lay off the azimuth of Polaris 1°33' to the East, and mark the true meridian thus determined by cutting a small groove in the stone set at the cor. of secs. 3, 4, 33 and 34 On which the true meridian

Chains	
	falls 0.20 ins. east of the mark determined by the solar. At 8 a.m., l. m. t., we set off 37°05' N. on lat. arc; 2°19' W. on decl. arc; and determine a true meridian with the solar. The line thus determined falls on the mark of the true meridian determined by the Polaris observation. The solar apparatus, by p. m. and a. m. observations, defines the positions of true meridian respectfully about 0'10" East and at the same place as the true meridian established by Polaris observation. Therefore we conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the true meridian at 8 a.m. is N. 14°47' W. the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl. 14°00' E.
	From the cor. already described we run S. 0°02' W. bet. secs. 3 and 4. Ascending over rolling land gravelly soil.
26.00	Bottom of ravine 75 ft deep. Course N. W.
40.00	set a sand stone 16 x 12 x 4 ins. 15 ins. in the ground for 1/4 sec. cor. Marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 ft.

Subdivision of T. 43 S., R. 26 E., continued.

Chains	
	ft. high. N. of cor.
	Pits impracticable
57.50	Bottom of ravine 50 ft. deep. course N.W.
64.00	Spur, projects N.
65.00	Bottom of ravine 100 ft. deep course N. 10° W. ascend along ravine.
75.00	Leave ravine
75.25	Clay ridge, bears N.E. & S.W. Descend.
80.00	Set a cobble rock 16 x 10 x 6 ins. 11 ins. in the ground for cor. to secs. 3, 4, 9 and 10. marked with 5 notches on the S. and 3 notches on the E. edges. raised a mound of stone N. of base, 1½ ft. high N. of cor.
	Pits impracticable
	Land mountainous
	Soil stony. 2nd and 3rd rate.
	No timber
	Mountainous land. 80.00 chs.
	East on a random line bet. secs. 3 & 10. Ascending over Clay & Stony land,
70.00	Set temp. 1/4 sec. cor.
72.27	Intersect Utah & Colorado bdy. 6.18 chs. S. of the 5th mile cor. which is a sand stone 10 x 10 x 5 ins. in a mound of stone. marked as described by the Surveyor General.
	Set a cobble stone 15 x 8 x 5 ins. 10 ins. in the ground, for closing cor. to frac. secs. 3 & 10. marked C.C.U on N. with 5 grooves on

Chains	
	the S. and 1 groove on the N. faces raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable
	Thence N. per run
	West
	bet. secs. 3 and 10.
	Descending over rolling Mesa,
32.77	set a cobble rock 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
50.00	Begin steep descent leave Mesa, bears N. W. and S. E.
72.77	The cor. of secs. 3, 4, 9 and 10.
	350 ft. below 1/4 sec. cor.
	Land mountainous
	Soil stony 2nd and 3rd rate.
	No timber
	Mountainous land, 72.77 chs.
	West bet. secs. 4 and 9.
	Ascending clay hills.
3.11	Spur projects S.
	Descending over broken hills
40.00	Set a cobble stone 16 x 10 x 5 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
	Pits impracticable.
79.00	Bottom of Gulch 500 ft. below sec. cor. course N. W. 20 ft. chs.
80.00	Set a cobble stone 18 x 12 x 6 ins. 12 ins. in the ground for cor.

Subdivision of T. 43 S., R. 26 E. continued.

Chains	
	to secs. 4, 5, 8, and 9. marked with 5 notches on the S. and 4 notches on the E. edges, raised a mound of stone 2 ft. base, 1½ ft. high. N. of cor. Pits impracticable. Land, mountainous Soil, stony 3rd rate. No timber mountainous land, 8000 chs. Mch 26, 1899 At this cor. we set off 2° 22' N. on decl. arc; and at 12h 05m. l. m. t., observe the sun on the meridian, the resulting lat. is 37° 04 N.
	West bet 5 and 8. ascending steep slope
4.00	Top of steep slope and edge of mesa. Over rolling sandy mesa.
8.50	Top of spur. projects N.E. descend.
10.00	Enter river bottom, through young growth of cottonwood.
7 8.95.	Right bank of San Juan River bears N.E. & S.W. Set a sand stone 15 × 8 × 8 ins. 10 ins. in the ground for meander cor. to fract. secs. 5 and 8. marked M.C. on W. with 5 grooves on the S. faces, raised a mound of stone 2 ft. base, 1½ ft. high E. of cor. Pits impracticable. Land, rolling Soil sandy loam 1st rate. Young cotton wood,

Subdivision of T. 43 S., R. 26 E. continued.

	From the cor. of secs. 4, 5, 8 and 9.
	already described.
	The line
	S 0° 01' W. bet. secs. 8 and 9.
	Ascending over rolling mesa.
40.00	Set a sand stone 16 x 10 x 6 ins.
	11 ins. in the ground, for 1/4
	sec. cor. marked 1/4 S on W face,
	raised a mound of stone 2 ft. base,
	1½ ft. high N. of cor.
	Pits impracticable.
75.60	On top of bluff. the R. bank of
	the San Juan River bears N.W. and S.E.
	Set a cobble stone 14 x 10 x 5 ins.
	10 ins. in the ground, for
	meander cor. to fract. secs.
	8 and 9. marked M.C. on S.
	with 4 grooves on the E. face,
	raised a mound 2 ft. base,
	1½ ft. high N. of cor.
	Pits impracticable.
	Land rolling
	Soil, sandy, 1st rate.
	No timber.

	From the cor. of secs. 4, 5, 8 and 9.
	The sec. flag set on North bdy.
	at the cor. of secs. 4, 5, 32 and 33.
	which bears N 0° 01' E.
	Thence the line
	N 0° 01' E. bet. secs. 4 and 5.
	Descend,
0.50	Bottom of gulch, 20 ft deep.
	Course N.W.
	Over rolling mesa.
6.00	Top of steep descent bears N.E. and
	S.W. to river bottom.
25.50	Right bank of San Juan River.

Subdivision of T43S. R.26 E. Continued

Set a sand stone 20x10x12 ins. 16 ins. in the ground for Meander Cor. to fracl. secs. 4 and 5. Marked M.C. on N with 4 groo on the E. faces raised a mound of stone 2 ft base, 1 1/2 ft. high S. Pits impracticable.

Then to pass bend in River Ype at 3 Chs East thence N 0°01' E to a point. The 1/4 sec. cor. falls in the river and is not set.

56.75 3 chs W. of the line thence W. to the Right bank of San Juan river.

Set a sand rock 20x8x10 ins. 16 ins. in the ground for Meander Cor. to fracl secs. 4 and 5. Marked M.C. on S. with 4 grooves on the E. faces. raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.

Pits impracticable

65.00 Leave river bottom and begin steep ascent bears N. W. and S.E.

80.00 The cor. of secs. 4, 5, 32 and 33. 300 ft above bottom. hereto pre described

15/5 Land level and Mountainous Soil sandy loam and stony 1st and 4th rate. No timber.

Mountainous land 15.00 chs.

March 26 1899

March 27 1899.

At 8 a.m., l.m.t., Ype set off 37°04' N. on lat. arc 2°42' N. on decl. arc; and determine a true meridian with the Solar at the cor. of secs. 3, 4, 9 and 10. Thence Ype run.

Subdivision of T. 43 S., R. 26 E., continued.

Chains	
	S. 0°02' W. bet. secs. 9 and 10.
	Descending over rolling hills.
20.00	Head of a box canon
	300 ft deep. Course S. 60° W. as and
39.50	Top of ridge bears N. W. and S. E.
40.00	Set a cobble stone 16 x 8 x 4 ins. 11 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1 1/2 ft high. W. of cor.
	Pits impracticable.
	Descend;
54.50	Bottom of ravine, at junction of two ravines. from E and S.E.
	Course W. 75 ft deep.
	Ascend,
80.00	Set a sand stone 16 x 14 x 4 ins. 11 ins. in the ground, for cor. to secs. 9, 10, 15 and 16. marked with 4 notches on the S. and 3 notches on the E. edges, raised a mound of stone 2 ft. base, 1 1/2 ft. high W. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, gravelly. 2nd rate.
	No timber
	Mountainous land, 80.00 chs.

	Each on a random bet. secs. 10 and 15.
40.00	Set temp. 1/4 sec. cor.
72.30	Intersect Utah Colorado boundary 6.50 chs. S. of the 4th mile cor. which is a sand stone 16 x 10 x 3 ins. in a mound of stone, marked as described by the Surveyor General, set a sand stone 18 x 16 x 5 ins.

Subdivisions of T. 43 S., R. 26 E, continued.

chains.

12 ins. in the ground, for Closing
Cor. to fract. Secs. 10 and 15.
Marked C.C.V. on W. with
4 grooves on the S. and 2 groov
on the N. faces, raised a
mound of stone 2 ft. base,
1½ ft. high W. of cor.
Pits impracticable.
Thence we run
West on a true line bet. secs.
10 and 15.
Descending over steep broken
hills.

1.30 Bottom of ravine 75 ft. deep.
course S. Ascend

32.30 Set a sand stone 16 x 12 x 5 ins.
11 ins. in the ground. for 1/4 sec. cor.
Marked 1/4 S 10 on N. face, raised
a mound of stone 2 ft. base,
1½ ft. high N. of cor.
Pits impracticable.

57.50 Top of ridge bears N. and S.

77.30 The cor. of secs. 9, 10, 15 and 16.
Land, mountainous
Soil, stony. 3rd rate.
No timber
Mountainous land, 77.30 chs.

West bet. secs. 9 and 16.
Descend,

4.00 Bottom of ravine 50 ft. deep.
course N. Ascend,

13.50 Top of ridge 200 ft. above
bears N. W. and S. E. descend,

31.75 Sand stone ledges, 40 ft. high
bear. N. W. and S. E. Descend.

40.00 Set a sand stone 16 x 10 x 4 ins.
11 ins. in the ground for 1/4

Subdivision of T. 43 S., R. 26 E. continued

Chains	
	sec. cor. marked 1/4 S. on N. face, raised a mound of stone 2 ft. base, 1 1/2 ft. high N. of cor.
	Pits impracticable.
73.15	On bluff and Right bank of San Juan River. 350 ft below Sec. cor. Set a sand stone 20 x 8 x 5 ins. in a mound of stone for Meander cor. to fissl. secs. 9 and 16 marked M.C. on W. with 4 grooves on the S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor.
	Pits impracticable.
	Land, mountainous
	Soil, stony 3rd & 4th rate
	No timber
	Mountainous land, 73.15 chs.
	At the cor. of secs. 9, 10, 15 and 16. W.E. set off 2° 46' N. on decl. arc; and at 12 h 05 m l. mt. observe the sun on the Meridian the resulting lat. is 37°03 N.
	Thence we run.
	S. 0°02' W. bet. secs. 15 and 16.
	Ascending over rolling hills.
17.00	Bottom of ravine 100 ft deep.
	Course N.E.
22.05	Set a flag pole in a mound of rock on top of mountain ridge bears N.E. and S.W.
	Begin steep descent over broken sand stone ledges and clay hills.
33.00	Foot of steep descent 600 ft below top. bears N.W. and S.E.
33.25	Wagon road, bears N.W. and S.E. to trading post of Ames & West

Subdivision T. 43 S., R. 26 E. continued.

chains.
33.50 Enter River bottom, leave descent, over level land. Young growth of cotton wood. bears N. W. and S. E.
40.00 Set a sand stone 20x10x4 ins. 15 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, raised a mound of stone 2 ft. base, 1½ ft. high W. of cor.
Pits impracticable.
47.10 Right bank San Juan river, bears N. W. and S. E.
Set a sand stone 16x10x4 ins. 11 ins. in the ground for Meander Cor. to frac. secs. 15 and 16. Marked M. C. on S. with 3 grooves on E. faces. raised a mound of stone 2 ft. base, 1½ ft. high N. of cor.
Pits impracticable.
Land, mountainous
Soil, sandy & Clay, and Stones.
1st and 4th rate.
No timber.
Mountainous land, 47.10 chs.

as the lines bet secs 15 16 21 and 22 Intersect river before we reach the Cor of secs. 15, 16, 21 and 22. We begin at the 1/4 sec. cor. bet. secs. 15 and 16
Thence we run
S 44 59' E. 56.55 chs. to the point in for 1/4 sec. cor. bet secs. 15 and 22.
Set a sand stone 16x10x4 ins. 11 ins. in the ground for 1/4 sec. cor marked 1/4 S. 15 on N. face, raised

Chains	
	a mound of stone 2 ft. base, 1½ ft. high. N. of Cor.
	Pits impracticable.
	Thence 7 lks. run E
	East on a random line bet. Secs. 15 and 22.
32.35	Intersect Utah, Colorado boundary.
	7.00 chs. S. of the 3rd mile cor. which is a sand stone 10 x 6 x 4 ins. above ground,
	marked as described by the Surveyor General.
	Set a sandstone 18 x 10 x 6 ins. 17 ins. in the ground for closing cor. to Sect. secs. 15 and 22.
	marked C.C.U. on W. with 3 grooves on the N. and S. faces. Raised a mound of stone 2 ft. base, 1½ ft. high W. of Cor.
	Pits impracticable.
	Thence 7 lks. run
	West bet. secs. 15 and 22.
	Descending steep slope.
2.70	Foot of steep slope.
6.60	Bottom of Cañon 200 ft. deep course S.W. ascend
13.00	Top of steep ascent, and edge of mesa, bears N.E. & S.W.
	Over rolling land, descend.
32.35	The 1/4 sec. Cor.
47.50	Foot of hills, bear N.W. and S.E.
	Over nearly level land.
50.35	Wagon road
	bears N. and S.
52.35	A. J. Ames' claim lays N. of
	this point to the river.
	A large rock building belonging to claim lays North 4 chs. dist.
55.50	Edge of bluff, bears N. 15° W.

Subdivision T. 43 S. R. 26 E. Continued.

Chains.

and S. 15° E.
Begin descent into river bottom.

68.20 Right bank of San Juan river bears N.
Set a sand stone 18 x 7 x 6 ins. 10 ins. in the ground for meander cor. to fracl. secs. 15 and 22. marked M.C. on W. with 3 grooves on S. face, raised a mound of stone 2 ft. base, 1½ ft. high E. of cor.
Pits impracticable.
Land, Mountainous
Soil, sandy & stony 1st and 3rd rate.
No timber
Mountainous land, 68.25 chs.

From the Closing Cor.
On Utah Colorado boundary bet. secs. 15 and 22.
We run. [illegible]
South along Utah Colorado boundary.

65.24 6 lks N. [illegible]
We find the Witness cor. for 2nd mile cor. which is a sand stone 8 x 12 x 4 ins, above ground firmly set and marked as described by the Surveyor General.
The course of this line is therefore S 0°03' W.
Thence S 0°01' E. to flag set at the cor. of Colorado, Utah, Arizona and New Mexico.

80.00 Set a sand stone 16 x 10 x 6 ins. 11 ins. in the ground for Closing cor. to fracl. secs. 22 and 27. marked C.C.V. on N. with 4 grooves on the N. and

Subdivision of T. 43 S. R. 26 E., continued

Chains	
	2 grooves on the S. faces, raised a mound of stone 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable. Land Mountainous Soil, stony 3rd rate. No timber Mountainous land 80.00 chs.
	Thence We run West bet. secs. 22 and 27. Descending along S. slope of ridge over stony soil.
19.40	Right bank of San Juan river bears N.E. and S.W. 200 ft. below Closing Cor. Set a sand stone 16 x 10 x 5 ins. 11 ins. in the ground for meander Cor. to frac. secs. 22 and 27. marked M.C. on W. with 1 groove on S. faces. raised a mound of stone 2 ft. base, 1 1/2 ft. high E. of cor. Pits impracticable. Land mountainous Soil stony 3rd rate. No timber mountainous land 19.40 chs.
	From the Closing Cor. bet. secs. 22 and 27. We run S. 0° 01' E along the Utah Colorado boundary line.
37.30	Right bank of San Juan river. bears N.W. and S.E. Set a cobble stone 16 x 8 x 4 ins. 11 ins. in the ground for

Meander Cor to Sec. 27 T. 43 S, R. 26 E. 3rd Utah Colorado bdy line.
Marked. M.C. 43 S on S., C. on E.
U.R. 26 E. S. 27. on W. with 4 grooves
on the W. faces.
raised a mound of stone
2 ft. base, 1½ ft. high N. of lot.
Pits impracticable.
From this point we cannot get
a satisfactory base for
triangulation
Therefore we proceed to the
Common Cor to Utah, Colorado, New
Mexico and Arizona
which we identify by stone
mound and pieces of broken stone
together with the location as
described by, A. J. Ames, who
informed us that the indians
had broken the marked
stone
We reestablished the Cor.
as follows.
Set a sand rock 24 x 8 x 6 ins.
In a mound of rock for Common
Cor. to Utah, Colorado, New Mexico
and Arizona, Marked Utah on
N.W. Colorado on N.E.
New Mexico on S.E.
Arizona on the S.W. faces,
and raised a mound of stone
6 ft. base, 4 ft. high around the
Cor. in which was also placed a stone
36 x 10 x 5 ins. marked with the
Names of the party, From which
the South side of Chimney Rock
on the South end of the Ute Mts in
Colorado bears N. 45° 40' E.
The Ship rock of New Mexico the highest
point of which is just visable.

Above a rocky knole, bears
S 28°21' E.
The highest North point of the
Corrosi Mts of Arizona which is
broken off in perpindicular Cliffs
bears S. 53°48' W.
No prominent point being visible in
Utah, We observe flag set on
line 22.05 chs. S. 0°02' W of the cor.
of secs 9, 10, 15 and 16. T. 43 S. R. 26 E.
Which bears N. 13°59' W.
We set a flag at this cor.
for triangulation.
and proceed to the Witness
Cor for the 2 mile cor.
previously described;
Measure a base N 89°59' E.
50.00 chs. to a point from
which the flag bears
S 16°37' W. which gives for
distance 167.37 chs.
which added to 6524 chs
Our distance to Witness Cor. gives
2 mile 72.61 chs.

Meanders, T. 43 S., R. 16 E.

We commence at the meander cor. of frac. secs. 5 and 32. on the N. bdy. of the Tp.
Set by ecs.
March, 28th, 1899.
We set off 37°05' N. on lat. arc, 3°06' N. on decl. arc; and at 8 a.m. l. m. t., determine a true meridian — the polar.
Thence we run with meanders in sec. 5.
Through dense growth of young cottonwood.
S. 39°45' E. 15.90 chs. bank 4 ft. high.
S. 52°45' E. 10.30 chs. bank 6 ft high.
Leave young cottonwood.
S. 51°15' E. 7.70 chs. To meander cor. of frac. secs. 4 and 5.
33.90
Land, river bottom.
Soil, sandy loam 1st rate.
cottonwood timber
Dense under growth. 26.20 chs.

33-90
26-20
7.70

Thence in sec. 4.

S. 21°30' E. 7.20 chs. at 2.00 chs. drain 5 of wide 8 ft. bank. Course N. along foot of bluff.
S. 11°15' W. 16.80 chs. bank 8 ft. high. Leave foot of bluff.
S. 16°15' W. 8.10 chs. To meander cor. to frac. secs. 4 and 5.
32.10
Land, broken,
soil, stony and sandy 2nd rate.
No timber

Meanders, T. 43 S. R. 26 E., continued.

Thence in Sec. 5.
Over bottom land dense undergrowth.
S. 28°30' W. 13.80 chs. bank 4 ft. high.
S. 38°30' W. 7.60 chs.
S. 67°30' W. 9.20 chs. bank 5 ft high.
S. 66°45' W 9.90 chs.
To Meander Cor. of fracl
40.50 Secs. 5 and 8.
Land, river bottom.
Soil, sandy 1st pate.
Cotton wood timber.
Dense undergrowth 40.50 chs.

Thence in Sec. 8.
Over bottom land, dense under growth
S. 56° W. 10.80 chs., bank 5 ft. high.
S. 33°30' W. 8.80 chs.
S. 14°30' W. 5.40 chs.
S. 1°45' W. 7.10 chs.
S. 15°45' W. 5.80 chs. bank 5 ft high.
S. 18°30' W. 6.70 chs. at 4.70 chs. leave bottom, and dense under-growth ascend bluffs.
S. 1°30' W. 4.70 chs. bank 2 ft high.
S. 21° E. 2.30 chs. along broken points of bluff.
S. 22°30' E. 11.50 chs.
S. 39° E. 11.20 chs.
S. 52°15' E. 4.20 chs.
S. 66°30' E. 17.10 chs.
S. 82° E. 17.10 chs. To Meander Cor of fracl. secs. 8 and 9.
112.70
Land, bottom and broken
Soil, stony and sandy 1st and 3rd pate.
Cotton wood timber
Dense under growth 42.60 chs.

42.60
70.10

Meanders, T. 43 S., R. 26 E., continued.

Thence in Sec. 9.
Along broken points of Bluff.
S. 57°30' E. 8.15 chs. bank 30 ft. high.
to Meander Cor. of
fracl. secs. 9 and 16.
Land broken
Soil stony 2nd rate.
No timber
March 28, 1899 At this cor. Tpl set
off 3°09' S. on decl. arc; and at
12h 05m. l.m.t., observe the
sun on the meridian, the
ulting lat is 37°03N

Thence in Sec. 16.
Descend along bluff.
S. 47°45' E. 6.00 chs. bank 6 ft. high.
along bottom.
S. 8°30' E. 23.60 chs. bank 3 ft. high.
S. 40°45' E. 10.70 chs.
S. 62°15' E. 7.70 chs.
N. 76°15' E. 3.60 chs.
.52°45' E. 8.20 chs. Leave bottom
N. 45°15' E. 16.50 chs along foot of
bluff. bank 8 ft. high
S. 76° E. 17.00 chs.
S. 56°30' E. 6.40 chs. bank 9 ft. high
Leave foot of bluffs
enter bottom.
S. 23°45' E. 19.50 chs. bank 4 ft. high. 119.20
119.20 to meander cor. for
fracl. secs. 15 and 16.
Land broken
Soil, sandy & Stony 1st and 4th rate.
No timber.

Thence in Sec. 15.
Over river bottom.

Meanders T. 43 S., R. 26 E., continued.

S. 11°00' E. 12.00 chs., bank, 5 ft high.
S. 1°30' E. 7.70 chs.
S. 6°30' E. 13.50 chs.
To meander cor. of
fracl. secs. 15 and 22.
Land, river bottom.
Soil, sandy 1st rate.
No timber.

Thence in sec. 22
Over river bottom.
S. 6°15' E. 20.20 chs. bank 4 ft. high.
S. 29°30' E. 6.50 chs.
S. 54°45' E. 12.30 chs. bank 3 ft. high.
S. 88° E. 3.30 chs.
N. 57° E 4.70 chs. bank 1 ft. high.
S. 74°30' E. 17.60 chs. bank 8 ft. high.
S. 26°30' E. 13.70 chs. bank 5 ft. high
S. 42°30' E. 17.70 chs. bank 4 ft high.
S 12°15' W. 24.30 chs. To meander cor.
of fracl. secs. 22 and 27.
Land, river bottom.
Soil sandy. 1st rate.
No timber

Thence in sec. 27.
Over bottom land.
S. 6°45' W. 5.40 chs. bank 3 ft. high.
S. 32° E. 37.80 chs. To meander cor.
on Utah Colorado boundary.
Set by ass.
Land, river bottom.
Soil, sandy 1st rate.
No timber

General Description.

This township contains nearly every variety of land from bottom to Mountain and the soil ranges from stony clay to sandy loam, the soil of the bottom along the San Juan is generally rich sandy loam, capable of producing abundant crops with irrigation which can be obtained from the river.

The Eastern portion of this township produces good grass and is good grazing land. Cotton wood is the only timber found in this township.

There are two settlers in this township.

A. J. Ames and R. Scott. They are located in Sec. 15. and are associated together in dealing with the Ute and Navajo indians.

This place is known as the Ames, West Trading post and consists of a large stone building.

There are no indications of Mineral in this township.

Hubert D. Rogers.
James M. Lentz,
U.S. Deputy Surveyors.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

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

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

.....

showing the respective capacities in which they acted:

....., *Chainman.*

....., *Chainman.*

....., *Moundman.*

....., *Moundman.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted .....

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

.....

.....

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

..... meridian, ... of ....., which are represented 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.*

....., *Axman.*

....., *Axman.*

....., *Flagman.*

.....

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

SEAL

.....

.....

6—151

485 are

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 o proper person, and in strict conformity with the instructions furnished by the United States Survey General for ....., the Manual of Surveying Instructions, and the laws of t United States, surveyed all those parts or portions of

.....

.....

.....

..... of the

..... meridian, in the ..... of ....., which are represented in foregoing field notes as having been surveyed by me, and under my direction; and I do further sol... swear that all the corners of said survey have been established and perpetuated in strict accordance w the Manual of Surveying Instructions, and the special written instructions of the United States Surve General for ..... 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 s 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 February 17th 19

The foregoing field notes of the survey of The Subdivisions & Meanders of Township 43 South Range 26 East of the Salt Lake Base & Meridian, Utah

executed by Hubert S. Page and James M. Lentz under ~~his~~ their contract No. 215, dated October 29, 1897, having b critically examined, and the necessary corrections and explanations made, the said field notes, and surveys they describe, are hereby approved.

Jacob B. Bo

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 Gen

6—151

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BOOK A-253

FIELD NOTES

OF THE SURVEY OF THE

H.J.B.

Subdivisions

and Meanders

of

Township No. 40 South.

Range No. 21 East.

Of the Salt Lake Base and Meridian,

In the State of Utah

AS SURVEYED BY

Hubert D Page and James M Lentz, United States Deputy Surveyors

Under ~~his~~ their Contract No. 215, dated Oct 29, 1897

Survey commenced April 2nd, 1899

Survey completed April 13th, 1899

6—151

Subd. high 20-00-34 ✓
do low 24-26-10 ✓

Meanders high 2-77-70 ✓
" low 1-37-00 ✓

4-34-70

NAMES AND DUTIES OF ASSISTANTS.

Peter Meyer Chainman
Peter Allen "
Harry Erwin "
Walter O'McCuen "
John R. Lumpkin moundman
George W. Dalton "
John R. Lumpkin axman
George W. Dalton "

For preliminary affidavits see book "D"

BOOK A-253

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 th
chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; tha
we will report the true distances to all notable objects, and the true lengths of all lines that we assist i
measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey 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 establishmen
of corners, according to the instructions given us, to the best of our skill and ability, in the survey o

.....

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

.....

..... *Axman*

..... *Axman*

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

SEAL

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

..... *Flagman*

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

SEAL

Subdivision of T. 40 S., R. 21 E.

Survey commenced April 2nd 1899. and executed with the instruments described in "Book D"

Then to test the solar apparatus by comparing their indications resulting from solar observations noon determining a.m. and p.m. hours with a true meridian determined by observations on Polaris. We proceed as follows:

At 5 chs south of the established cor. of secs. 24 and 25 on the E. bdy. Tp. 40 S., R. 21 E.: Latitude 37°17' N. Longitude 109°37' W.: We set off 37°17' N. on the lat arc: 5°09' N. on the decl arc: and at 3hr 20m p.m. l.m.t., determine with the solar, with one of the instruments a true meridian and mark a point thereof on a stone firmly set in the ground 5 chs. N. of our station

With the second instrument placed over the same initial point. We set off 37°17' N. on the lat arc: 5°09' N. on the decl arc: and at 3hr 40m p.m. l.m.t., determine with the solar a true meridian and mark a point thereof on the stone already set 5 chs. N. of our station. This point falls identical with that of the 1st instrument.

6hrs 31m p.m. We observe Polaris at western elongation with the 1st instrument 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 our st

2. 1899:

April 3. 1899: At 7hr 20m a.m. l.m.t.,

Subdivision of T. 40 S., R. 21 E. Co

We lay off the azimuth of Polaris 1°33' to the east. the true meridian thus determined falls on the mark set by p. m. solar observations of both instruments April 2nd 1899.

At 8 a.m. l.m.t., We set off 37°17' N. on the lat arc: 5°24' N. on the decl arc: of the 1st instrument and det a true meridian with the solar which falls on the mark set on the true meridian established by the Polaris observations.

At 8hr 10m a.m. l.m.t., We set off 37°17' N. on the lat arc: 5°24' N. on the decl arc: of the second instrument determine a true meridian the solar which falls on the mark set on the true meridian established by the Polaris observations.

The solar apparatus of each by p. m. and a.m. observations positions for true meridians. fore We conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is N. 14°21' W.; the angle thus determined, reduced by the table page 100 of the manual gives the mean mag. decl. 14°17' E.

We commence at the cor. of secs. 24 and 25 on the E. bdy. of Tp. established by us previously described.

Thence We run

West on an auxiliary base line in accordance with Manual of Instructions page 56 sec 10. The San Juan river and Navajo Indian Reservation being the S. bdy. of this part of Tp. and to establish the 8th Standard Parallel South. west of the San Juan river and Navajo Reservation

Subdivision of T. 40 S. R 21 E. Continued

hains. West bet. secs 24 and 25 over rolling foot hills soil sandy and gravelly, ascending.
25.65 Top of gravelly knoll. Center of Bluff city cemetary
28.50 Leave cemetary, descend over rolling foot hills
40.00 Cobble stone 12x10x8 ins 8 ins in the ground 1/4 sec cor marked 1/4 S. 24 on N face and raise a mound of stone 2 ft base 1 1/2 ft high N of cor. Pits impracticable
50.45 Wa on road bear N.W.S.
60.90 bank. Cottonwood wash 10 ft high bear N.
68.60 gh bank cottonwood wash 10 ft high bear N.
80.00 Set a Cobble stone 12x8x6 ins. 8 ins in the ound for cor of secs. 23. 24. 25 and 26 2 notches on S. and 1 notch on E edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
Land rolling.
Soil sandy and gravelly; 2nd rate.
No timber.

West. bet secs. 23 and 26.
end over rolling foot hills, sandy soil.
29.00 Ravine 75 ft deep course S.W. ascend over rolling sandy hills
38.00 Ravine 40 ft deep course S. ascend
40.00 sandstone 16x8x6 ins. 11 ins. in the ound for 1/4 sec cor marked 1/4 S. 23 on N. face and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable
80.00 a sandstone 16x8x6 ins. 11 ins. in the ground for cor. of secs. 22. 23. 26 and 27. marked with 2 notches on S. and E edges and raise a mound of stone 2 ft base 1 1/2 ft high W of cor. Pits racticable
Land rolling.
Soil sandy. 2nd rate.
No timber.
April 3. 1899:
At this cor. WE set off 5°28' N. on the deel arc;

Subdivision of T. 40 S., R 21 E. Continued.

ains and at 12hr 3m l.m.t., observe the sun on the meridian the resulting lat is 37°17' N.

West.
bet secs. 22 and 27,
ding over rolling foot hills
mouth of Buck canon

11.50 Bottom of Buck canon and wash 100 ft below sec cor. course S. Ascend.

40.00 Set a sandstone 14 x 10 x 6 ins 10 ins in the ground for 1/4 sec cor m 1/4 S. 22 on N face and raise a mound of stone 2 ft base, 1 1/2 ft high N of cor Pits impracticable this cor stands on sandy knoll about 150 ft above bottom of Buck canon wash.
Ascend over rolling sandy foot hills

75.50 Foot of precipitous sandstone cliffs 200 ft high up which we cannot chain; set a flag on line on top of cliffs; measure a base 3 chs. south to a point from which the flag bears N. 45° W.; which gives for the distance (by traverse table) 3 chs. which added to 75.50 makes

78.50 Top of cliffs and edge of mesa bears N. and S. thence over smooth sandstone floor

- 80.00 Point for sec cor falls on solid sandstone floor on which
We cut a cross for cor. of secs. 21, 22, 27 and 28 marked with 2 notches on S and 3 notches,

chains. on E. sides of cross, and raise a mound of stone 2 ft base 1½ ft high W. of cor. Pits impracticable.
Land mountainous and rolling
Soil sandy; 1st rate.
No timber.
Mountainous land. 80.00 chs.

West.
bet secs. 21 and 28.
Ascending over rolling sandy mesa
40.00 Deposited a quart of charcoal 12 ins. in the ground for 1/4 sec cor bet secs 21 & 28
dug 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 drove a pine stake 2 ft. long 2 ins. sq., 12 ins. in the ground, marked
1/4 S. 21 on N. face & 28 on S face
thence over rolling sandy mesa gradually descending.
80.00 Deposited a quart of charcoal 12 ins. in the ground for cor. of secs. 20 21. 28 and 29. dug pits 18 x 18 x 12, in each sec., 4 ft. dist.; and raise a mound of earth; 4 ft. base. 2 ft. high. over deposit.
In S.E. pit drove, a pine stake. 2 ft. long 2 ins. sq., 12 ins. in the ground marked
T 40 S., S. 21 on N.E.,
R 21 E., S. 28 on S.E.;
S. 29. on S.W., and
S. 20 on N.W. faces with

Subdivision of T. 40 S., R 21 E - Continued.

ami. 2 notches on S. and 4 notches on edges.
Land rolling sandy Mesa,
Soil sandy: 1st rate.
No timber.

April 3 1899.

April 4th 1899.
At 8 a.m. l.m.t., We set off 37° 17' N on the lat arc: 5° 48' N. on the decl arc; and determine a true meridian
- the solar at the cor. of secs. 20. 21, 28 and 29.
Thence We run
S 0° 3' E.
bet secs. 28 and 29,
Over rolling sandy mesa descending
34.00 Top of sandstone cliffs 350 ft high and edge of mesa bears E. and W.
down which We can not chain:
set a flag on line at foot of cliffs: measure a base 2 chs, back to a point from which the flag bears S. 45° W.; which gives for the distance. (by traverse table) 2 chs. which added to 34.00 chs makes.
36.00 Foot of cliffs. thence descending over large broken sandstone boulders
40.00 Point for 1/4 sec cor falls on sandstone boulder 4 x 3 x 2 ft. on which
We cut a cross for 1/4 sec cor. marked 1/4 S. on W side and raise a mound of stone 2 ft base 1 1/2 ft. high W. of cor. Pits impracticable

Subdivision of T. 40 S., R. 21 E. - Continued.

chs.

42.50 Bottom of ravine 100 ft deep course S.E.
Ascending
47.00 Top of sandy gravelly ridge bears E and W. projects about 10 chs E
Descending over sandy rolling land.
73.00 Old wagon road bears S.E. and N.W.
78.50 Ledges 20 ft high bears N.E. and S.W. descending over stony broken land.
80.00 Set sandstone 16 x 10 x 6 ins., 11 ins. in the ground for cor. of secs. 28, 29, 32 and 33. marked with 1 notch on S. 4 notches on E. edges, and raise a mound of stone 2 ft. base 1½ ft. high W. of cor.
Pits impracticable.
Land mountainous.
Soil sandy and stony; 1st and 4th rate.
No timber.
Mountainous land. 80.00 chs.

S. 0° 3' E.
bet. secs. 32 and 33.
Descending over rolling land
1.50 Ravine 50 ft deep course S.E.
Ascend
11.50 Begin descend, over rolling sandy land.
40.00 Set a sandstone 14 x 14 x 6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of

Subdivision of T. 40 S., R. 21 E. - Continued

chains.	
	stone 2 ft. base 1½ ft. high W of cor. Pits impracticable.
42.00	Trail bears E and W.
54.00	Trail bears N.E. and S.W.
69.00	Trail bears N.E. and S.W.
72.75	Top of cliffs 100 ft high bears N.E. and S.W. down which we can not chain: set a flag on line near foot of cliffs: measure a base 2 chs west to a point from which the flag bears S. 45° E. which gives for the distance (by traverse table) 2 chs. which added to 72.75 chs makes
74.75	enter San Juan river bottoms thence through dense under-growth and cottonwood trees.
80.00	Set a sandstone 20 x 14 x 8 ins., for standard cor. of secs. 32 and 33 marked S. C. on the N. with 4 grooves on E and 2 grooves on W. faces and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable from which
	A cottonwood 14 ins diam bears N. 42° E. 82 lks dist marked . . T. 40 S. R. 21 E. S. 33 B.T.
	A cottonwood 12 ins. diam bears N. 50° W. 90 lks. dist. marked . T 40 S. R. 21 E. S. 32 B.T.
	Land mountainous.
	Soil sandy and stony: 1st and 4th rate.
	Timber cottonwood
	Mountainous land. 80.00 chs.
	April 4, 1899.

Subdivision of T. 40 S., R. 21 E. Continued

Chains April 7 1899

At 8 a.m. l.m.t., we set off 37°17' N. on the lat. arc; 6°56' N. on the decl arc; and determine a true meridian the solar at the cor of secs 23. 24. 25. 26.

Thence we run

N. 0°1' W. bet. secs 23 and 24, ascending over gravelly foot hills

18.00 Foot of perpendicular cliffs, up which we can not chain: set a flag on line on top of cliffs: measure a base 2 ch. east to a point from which the flag bears N. 45° W.; which gives for the distance (by traverse table) 2 chs. which added to 18 chs makes

20.00 Top of cliffs 200 ft high and edge of mesa bears E. and W.,

Thence over rolling smooth sandstone floor,

25.00 Leave smooth sandstone floor, thence over gravelly land

40.00 Set a sandstone 14x10x8 ins 10 ins. in the ground for 1/4 Sec. cor. marked 4 S. on W. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable

60.00 Top of perpendicular sandstone cliffs and edge of mesa 200 ft high bears N.W. and S.E. down which we can not chain. set a flag on line near foot of cliffs. measure a base West 1.50 chs. to a point from which the flag bears N. 45° E.; which gives the distance (by traverse table) 1.50 chs. which added to 60.00 chs makes

61.50 Foot of cliffs, enter cottonwood, thence descend over rolling land soil sandy,

Subdivision of T40S. R21E. Continued

ains,
80.00 Set a sandstone 16x6x6 ins 11 ins.
the ground for cor. of secs. 13. 14
23 and 24 marked with 3 notches
on S. and 1 notch on E. edges and
a mound of stone 2 ft base 1½
high W. of cor. Pits impracticably
and mountainous
Soil sand and stony; 1st 4th rate
No timber
Mountainous land 80.00 chs.

a random line bet. secs. 13 and
24
26.97 To foot of cliffs 150 ft high
To determine dist to top of cliffs. WE set
a flag on line on top of cliffs: measure
a base south 1.50 chs to a point from
the flag bears N. 45° E.; which
for the distance. (by traverse table)
1.50 chs which added to 26.70 chs, makes
28.47 To top of cliffs
40.00 Set temp. ¼ sec cor.
80.05 Intersect the E. bdy. of the Tp. at the cor.
of secs. 13. 18. 19 and 24.
Thence WE run
West on a true line bet. secs. 13 and 24,
over rolling gravelly land descending
17.00 Leave gravelly land. thence over
smooth sandstone floor.
35.00 Edge of small canon 100 ft deep
perpendicular cliffs on both sides. Course
S.W.
36.00 West edge of canon heads about 10 chs
N.E.
40.02 Set a sandstone 16x10x9 ins. in a
mound of rock on solid sand-
stone floor. for ¼ sec cor marked 24
on N. face, and raise a mound
of stone 2 ft base 1½ ft high N. of cor

Subdivision of T. 40 S., R. 21 E. - continued.

Pits impracticable

51.58 Top of cliffs 150 ft. high and edge of mesa and cottonwood canon bears N. and S.

53.08 Foot of cliffs thence over sandy soil

69.00 wash in bottom of cottonwood canon 4 chs wide 20 ft. deep Course

80.05 The cor of secs 13, 14, 23 and 24
Land mountainous
Stony: 4th rate.
No timber,
Mountainous land 80.05 chs,
April 7, 1899: At this cor We set off 6° 59' N. on the decl arc: and at 12 hrs 12 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 18' N

N. 0° 1' W. bet. secs. 13 and 14
over nearly level land through dense stunted soil loam. bottom of Cotton wood canon.

12.00 Trail bears N. and S. thence along trail.

22.00 Leave trail bears N. W.

40.00 Set a sandstone 14 x 10 x 3 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

61.10 Wash in bottom of cottonwood canon 20 ft. deep 3 chs wide course S. E.

80.00 Set a sandstone 26 x 14 x 10 ins., in a mound of stone and earth for cor. of secs. 11, 12, 13 and 14: marked -4 notches on S and 1 notch on E edges and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable
Land level.

Subdivision of T. 40 S., R. 21 E. continued.

Chains. oil sandy loam: 1st rate.
timber cottonwood scattering
dense artemisia 80.00 ch.
April 7, 1899.

April 8, 1899:
At 8 a.m. l. m. t., we set off 3°19' N. on the lat. arc: 7°19' N. on the decl. arc: and determine a true meridian with the solar at the cor. of secs. 11.12.13 and 14.
Thence we run
ash on a random line bet. secs. 12 and 1
16.50 To foot of sandstone cliffs 250 ft high
To determine dist. to top of cliffs. We set a flag on line on top of cliffs: measure a base south 1.75 chs to a point from which the flag bears N. 45° E.: which gives for the dist. (by traverse table) 1.75 chs. which added to 16.50 chs. makes
18.25 To top of cliffs
40.00 Set temp. 1/4 sec. cor.
80.00 Intersect the E. bdy. of the Tp. 0 chs. N of the cor. of secs. 7.12.13 and 18.
Thence we run
N. 89°58' W. on a true line bet. secs. 12 and 13.
Descending over gravelly rolling mesa
40.00 Set a sandstone 13x10x6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft base 1½ ft high N. of cor. Pits impracticable
55.00 Leave sandy and gravelly soil thence over solid sandstone floor
61.75 Top of cliffs 250 ft. high and edge of mesa bear N and S. each side of cottonwood canon.
63.50 Foot of cliffs
Enter cottonwood canon course S.

Subdivision of T. 40 S., R. 21 E. - Continued.

Chains. thence descend over sandy and stony land.

80.00 The cor. of secs. 11, 12, 13 and 14.
Land mountainous.
All sandy and gravelly; 1st and 4th rate.
No timber.
Mountainous land. 80.00 chs.

N. 0° 1' W. bet. secs. 11 and 12.
Over nearly level land through dense artimisia and scattering cottonwood

4.50 Wash in bottom of cottonwood canon 10 ft. deep 2 chs. wide course S. W.

13.50 Begin steep ascent to foot of cliffs 200 ft. high bears N. E. and S. W. up which we can not chain: set a flag on line on top of cliffs measure a base 3 chs. east to a point from which the flag bears N. 45° W.; which gives for the ditch (by traverse table) 3 chs. which added to 13.50 chs. makes.

16.50 Top of cliffs 200 ft. high and edge of mesa bears N. E. and S. W. and west edge of Cottonwood canon, thence over sandstone floor, ascending.

24.00 Leave sandstone floor, thence over rolling sandy mesa.

40.00 Set a sandstone 15 x 10 x 4 ins., 10 ins. in a mound of stone and earth for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
Descending over rolling land.

80.00 Head of stony ravine, course N. E. a sandstone 16 x 10 x 7 ins. in a mound of stone on solid sandstone floor, for cor. of secs. 1, 2, 11, and 12 marked with 5 notches on S. and 1 notch on E. edges and

Chains	raise a mound of stone 2 ft base 1½ ft. high W. of cor. Pits impracticable Land mountainous Soil sandy "adobe": 1st 4th rate No timber. Mountainous land. 80.00 chs. April 8, 1899: At this cor We set off 7°23' N. on the decl arc; and at 12hr 10m l. m.t., observe the sun on the meridian the resulting lat. is 37°20' N.
	S 89°58' E. on a random line bet. secs. 1 and 12.
20.09	To top of cliffs 200 ft high To determine dist to foot of cliffs. We set a flag on line at foot of cliffs. measure a base N 0°02' E. 5 chs to a point from which the flag bears S. 45° E.; which gives for the distance (by traverse table) 5 chs. which added to 20.09 chs makes
25.09	To foot of cliffs
40.00	Set temp 1/4 sec. cor.
45.09	To foot of cliffs 200 ft high To determine the dist. to top of cliffs. We set a flag on line on top of cliffs; measure a base S 0°02' W. 3 chs to a point from which the flag bears N 45° E.; which gives for the dist. (by traverse table) 3 chs which added to 45.09 chs makes
48.09	To top of cliffs.
80.09	Intersect the E. bdy. of the Tp. 6 chs. N. of the cor of secs. 1, 6, 7 and 12. Thence We run N. 89°55' W. on a true line bet. secs 1 and 12, Descending over stony mesa. Box canon 75 ft deep 8 chs wide course S.W. small spring in bottom about 2 chs south of line. Ascend over smooth sandstone floor.
13.00	Leave solid sandstone thence over

rolling and sandy mesa.

20.68 Top of gravelly hill bears N. and S.
Descend.

32.00 Top of cliffs 200 ft high. edge of mesa and cottonwood canon bears N. and S.

35.00 Foot of cliffs enter cottonwood canon
Descend over clayey land.

40.00 Set a sandstone 14 x 12 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. mark 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
Pits impracticable

50.00 Reach 20 ft deep 2 chs wide in bottom of cottonwood canon course S.
Ascend.

55.00 Foot of cliffs leave cottonwood canon

60.00 Top of cliffs 200 ft high edge of mesa and cottonwood canon bears N. and S.
Pence over smooth sandstone floor

77.00 Begin descend into head of clayey ravine course N.E.

80.00 The cor. of secs. 1. 2. 11. and 12
Land mountainous
Soil clayey: 4th rate
No timber.
Mountainous land 80.00 chs.

No 1 W. on a random line bet. secs. 1 and 2

40.00 Set temp. 1/4 sec. cor.

67.50 To top of cliffs 150 ft high. to determine dist to foot of cliffs. We set a flag on line near foot of cliffs. measure a base West 2.50 chs to a point from which the flag bears N. 45° E. which was for the dist (by traverse table) 2.50 chs which added to 67.50 makes

70.00 To foot of cliffs.

80.00 Intersect the N. bdy. of the Tp. 2 chs E. of the N.E. to secs. 1 and 2. which is the true cor. of secs 1. 2. 35 and 36

Subdivision of T.40 S., R.21 E. continued.

Chains. | Thence We run
0.1 E. on a true line bet secs. 1 and 2
Over rolling sandy soil. ascending.
10.00 Foot of cliffs
12.50 Top of cliffs 150 ft. high. edge of mesa and cottonwood canon bears N.W. and S.E.
thence over rolling mesa
40.00 sandstone 14 x 10 x 5 ins., 10 ins. in ground for 1/4 sec cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor
Pits impracticable.
60.00 Begin descend over rolling mesa
80.00 Bottom of stony ravine Course N.E.
The cor. of secs. 1. 2. 11. and 12.
Land mountainous.
oil sandy and stony: 1st 4th rates.
No timber.
Mountainous land 80.00 chs.
April 8th 1899.

April 7. 1899.
At 8 a.m. l.m.t. We set off 37°17' N. on the lat. arc: 6°56' N on the decl. arc: and determine a true meridian the solar at the cor. of secs. 22. 23. 26 and 27.
Thence We run
N.0°1' W. bet. secs. 22 and 23.
Ascending over rolling sandy foot
20.00 Foot of perpendicular cliffs 300 ft high upwhich we can not chain: set a flag on line on top of cliffs: measure a base 4 chs east to a point fro which the flag bears N.45° W.: which gives for the distance (by traverse table) 4.00 chs which added to 20.00 chs m.
24.00 Top of cliffs and edge of mesa bears E and W. thence over solid sandstone floor. ascending.

Subdivision of T. 40 S., R. 21 E. Continued.

Chains	
38.00	South edge of box canon 200 ft. deep perpendicular cliffs on both sides, heads about 10 chs. N.E. course S.W.
	To determine the dist. across. WE set a flag on line on N side of canon; measure a base east 7 chs. to a point from which the flag bears N. 45° W. which gives for the dist. (by traverse table) 7 chs. which added to 38.00 chs makes
45.00	North edge of canon. The point for ¼ sec. cor. falls on inaccessable ground, therefore. Set a Cobble stone 14 x 8 x 6 ins., in a mound of stone for witness cor. to ¼ sec. cor. marked W.C. ¼ S. on W. face and raise a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable. Thence over smooth sandstone floor.
72.00	South edge of box canon 200 ft. deep perpendicular cliffs on both sides. heads about 5 chs. N.E. course S.W.
	To determine the dist. across. WE set a flag on line on N side of canon. measure a base east 8.20 chs. to a point from which the flag bears N. 40° W. which gives for the dist. (by traverse table) 8.20 chs. which added to 72.00 chs. makes 80.20 chs.
	North edge of canon
80.00	Falls in canon and impossible to set sec. cor. therefore set W.C. to cor. of secs. 14. 15. 22. and 23 at 20 lks. in next mile North.
	Land mountainous
	Soil stony; 4th rate
	No timber.
	Mountainous land 80.00 chs.

From the W.C. to cor. of secs. 14. 15. 22 and 23 East on a random line bet. secs. 14 & 23 To determine the dist. across canon WE set a flag on line on east side of canon measure a base north 10.00 chs to a

Chains	
	to a point from which the flag bears S. 45° E. which gives for the dist (by traverse table) 10.00 chs. which ~~makes~~
10.00	to east side of canon.
	At this point we offset south 20 lks. on line bet secs 14 and 23.
40.00	Set temp 1/4 sec cor.
63.10	To top of cliffs 200 ft high
	To determine dist to foot of cliffs. set a flag on line at foot of cliffs. measure a base south 12 chs. to a point from which the flag bears N. 45° E which gives for the dist. (by traverse table) 2 chs which added to 63.10 chs makes
65.10	To foot of cliffs.
80.10	Intersect N. and S. line 6 lks S. of the cor. of secs. 13. 14. 22 and 24.
	Thence W. run
	S 89° 57' W. on a true line bet secs 14 and 23
	Over level land soil sandy
15.00	Foot of cliffs leave cottonwood canon
17.00	Top of cliffs. edge of mesa and cottonwood canon bears N. W. and S. E.
	thence over stony mesa ascending.
40.05	Set a sandstone 15 x 10 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. on N face and raise a mound of stone 2 ft. base 1 1/2 ft. high N of cor Pits impracticable
56.00	Begin descend.
70.00	Edge of box canon 200 ft deep bears N. E. and S. W. at this point we offset 20 lks N.
80.10	The W. C. to cor of secs. 14. 15. 22 and 23
	Land mountainous.
	Soil stony; 4th rate
	No timber.
	Mountainous land. 80.10 chs
	April 7. 1899. At this cor. We set off 659' N on the decl arc. and at 12 hrs 10 m. l. m. t. observe the sun on

Subdivision of T40S, R21E - Continued;

Chains; the meridian the resulting lat. is 37°18' N.

N0°1' W. bet. secs. 14 and 15
Ascending over smooth sandstone floor.

0.20 North edge of canon. At this point set a sandstone 16x12x8 ins., in a mound of stone for witness cor. to cor. of secs 14. 15. 22 and 23. marked W.C. on N.E. face with 3 notches on S. and 2 notches on E. edges and raise a mound of stone 2ft base 1½ft. high W. of cor. Pits impracticable

10.00 Leave sandstone floor thence over rolling sandy mesa

40.00 Set a sandstone 18x12x6 ins, 12 ins. in the ground for ¼ sec cor. marked ¼S on W. face and raise a mound of stone 2ft. base 1½ft. high W. of cor. Pits impracticable.

80.00 Set a sandstone 14x6x6 ins, 10 ins. in the ground for cor. of secs. 10. 11. 14 and 15 marked with 4 notches on S and 2 notches on E. edges and raise a mound of stone 2ft. base 1½ft. high W. of cor. Pits impracticable
Land rolling.
Soil sandy; 1st rate.
No timber.

April 7, 1899.

April 8th 1899.

At 8 a.m. l.m.t., WE set off 37°19' N. on the lat arc; 7°19' N on the decl arc; and determine a true meridian with the solar at the cor of secs 10. 11. 14 and 15.

Subdivision of T. 40 S., R. 21 E. Continued.

Chains	
	Thence W.E. run.
	N. 89°57' E. on a random line bet. secs. 11 and 14.
40.00	Set temp 1/4 sec. cor.
60.00	To top of cliffs 200 ft high.
	To determine dist to foot of cliffs. Set a flag on line at foot of cliffs; measure a base S 0°03' E 6.50 chs. to a point from which the flag bears N. 45° E.; which gives for the distance (by traverse table) 6.50 chs. which added to 60.00 chs makes
66.50	To foot of cliffs
80.00	Intersect N. and S. line. 4 lks. N. of the cor of secs. 11. 12. 13 and 14.
	Thence W.E. run.
	S 89°59' W. on a true line bet. secs. 11 and 14. over level sandy land through dense artimesa.
4.50	Wash in bottom of cottonwood canon 10 ft. deep 2 chs. wide course S.W. ascend.
13.50	Foot of cliffs.
20.00	Top of cliffs 200 ft high edge of mesa and cottonwood canon bears N and S. ascending over stony land.
40.00	Set a sandstone 16 x 12 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft base 1 1/2 ft high N. of cor. Pits impracticable.
	Thence over rolling sandy mesa gradual ascent
80.00	The cor. of secs. 10. 11. 14 and 15
	Land mountainous.
	Soil sandy and stony; 1st and 4th rate.
	No timber.
	Mountainous land. 80.00 chs

Subdivision of T.40 S., R.21 E. Continued.

Chains.	N. 0° 1' W., bet. secs. 10 and 11 over rolling land soil sandy gradually descending
44.00	Set a sandstone 14 x 10 x 6 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base 1 1/2 ft high W. of cor. Pits impracticable
80.00	Set a cobble stone 16 x 8 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 and raise a mound of stone 2 ft base 1 1/2 ft. high W. of cor. Pits impracticable. Land rolling Soil sandy; 1st rate. No timber April 8, 1899. At this cor. we set off 7° 23' N. on the ideal arc; and at 2 hrs. 02 m. l. m. t., observe the sun on the meridian, the resulting lat. is, 37° 20' N.
	N. 89° 59' E. on a random line bet. secs. 2 and 11
40.00	Set temp. 1/4 sec. cor.
79.90	Intersect N. and S. line at the cor. of secs 1, 2, 11 and 12, Thence we run S. 89° 59' W. on a true line bet. secs. 2 and 11, Ascending over stony land,
14.00	Leave stony land thence over sandy land
24.00	Top of ridge bears N. and S. 200 ft above sec cor. thence over rolling sandy and gravelly mesa
39.95	a sandstone 14 x 10 x 6 ins.,

Subdivision of T. 40 S., R. 21 E. Continued.

ans. 0 ins in the ground for 1/4 sec cor marked 1/4 S. on N. face and a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracable.

79.90 The cor. of secs. 2, 3, 10 and 11.
Land rolling and mountainous
40 / 39.90 Soil sandy 1st rate.
No timber.
Mountainous land. 40.00 chs.

N. 0° 1' W. on a random line bet secs. 2 and 3.
40.00 Set temp. 1/4 sec. cor.
79.95 Intersect the N. bdy. of the Tp. 3 lks. W. of the cor. of secs. 2 and 3
Thence We run
South on a true line bet secs. 2 and 3.
Over rolling sandy mesa
2.50 Small ravine course N.E.
Ascending over rolling mesa.
soil sandy.
39.95 Set a sandstone 15 x 10 x 6 ins, 10 ins in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft. base 1 1/2 ft. high. W. of cor. Pits impracticable
79.95 The cor. of secs. 2, 3, 10 and 11
Land rolling
Soil sandy; 1st rate.
No timber.

April 8th 1899.

April 10. 1899.
At 8 a.m. l.m.t., We set off 37° 17'. N on the lat arc: 8° 03' N on the decl arc; and determine a true meridian with the solar at the cor. of secs. 23. 24. 25 and 26.

Subdivision of T. 40 S. R. 21 E. — Continued

...ains.	previously described
	Thence We run
	S. 0° 1' E. bet. secs. 25 and 26
	Over rolling gravelly land, descending
3.00	Ravine 100 ft deep. course E.
10.00	Begin descent from bench.
12.00	Foot of descent 50 ft below bench
21.50	Trail bears E. and W.
37.25	Wagon road bears N. E. and S.W.
40.00	Set a cobble stone 14×8×6 ins., 10 in the ground for 1/4 sec cor. marked 1/4 S. [illegible] on W. face and raise a [illegible] of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
52.00	Wagon road bears N. E. and S.W.
61.00	Wagon road bears N. E. and S.W.
69.00	Enter dense artimesa.
70.00	Enter river bottoms
80.00	Set a cottonwood post 3 ft. long, 4 ins., sq., with quart of charcoal 24 ins. in the ground for cor. of secs. 25. 26. 35 and 36 marked T 40 S., S. 25 on N. E., R. 21 E., S. 36 on S. E., S. 35 on and S. 26 on N. W., faces with 1 notch on S. and E. edges, dug pits 18×18×12 ins., in each sec. 5 1/2 ft. dist.; and raise a mound of earth. 4 ft. base. 2 ft. high. W. of cor.
	Land rolling and level.
	Soil sandy and gravelly; 1st and 2nd rate.
	No timber.
	East. bet. secs. 25 and 36
	Over level land. San Juan river bottoms. soil sandy loam.
6.00	Right bank of San Juan river bears N. E. and S.W.
	Set a cottonwood post 3 ft. long 4 ins. sq., with quart of charcoal 24 ins. in the ground for meander cor.

Chains of fracl secs. 25 and 36. marked M. C. on E., T.40 S. on W., R.21 E., S. 36 on S. S. 25 on N. faces; dug a pit 36x36x12 ins., 8 ft. W. of post, and raise a mound of earth 4 ft. base 2 ft. high W. of cor.
Land level.
Soil sandy loam: 1st rate
No timber

From the cor. of secs. 25. 26. 35 and 36 established this day. We run
S. 0° 1' E. bet. secs. 35 and 36
Over level land soil sandy.
San Juan river bottoms.
2.50 Right bank San Juan river bears N.E. and S.W.
Set a Cottonwood post 3 ft. long. 4 ins. sq. with quart of charcoal 24 ins in the ground for meander cor. of fracl secs. 35 and 36. Marked M.C. on S., T.40 S. on N. R.21 E. S. 35 on W. and S. 36 on E. faces: dug a pit 36x36x12 ins. 8 ft. N. of the post. and raise a mound of earth 4 ft. base 2 ft. high N. of cor.
Land level
Soil sandy loam: 1st rate
No timber.

From the cor of secs. 22. 23. 26 and 27 previously described We run.
S. 0° 1' E. bet. secs. 26 and 27.
Descending over rolling gravelly foot hills.
35.00 Wash 20 ft deep 1.50 chs wide course E. drainage from Buck Canon
40.00 Set a sandstone 18x12x5 ins., 12 ins. in the ground for 1/4 sec. cor. marked

Subdivision of T. 40 S. R. 21 E. Continued

chains. 1/4 S. on W. face, and raise a mound of stone 2 ft. base, 1½ ft. high W. of cor. Pits impracticable
This cor is 200 ft below sec cor.
67.00 Trail bears N.E. and S.W.
78.00 Begin descend from bench into an Juan river bottom, thence over sandy loam, enter cottonwoods
80.00 Set a cobble stone 16 x 10 x 7 ins., 11 ins i the ground for cor. of secs. 26, 27, 34 and 35, marked with 1 notch on S. and 2 notches on E. edges and raise a mound of stone 2 ft. base 1½ ft. high. W. of cor. Pits impracticable, from which
A Cottonwood 10 ins diam bears S. 62° 35' W., 25 lks. dist. marked . . T. 40 S. R. 21 E. S. 34. BT
A Cottonwood 10 ins. diam. bears N 35° W., 45 lks. dist marked . . T. 40 S. R. 21 E. S. 27 BT
A Cottonwood 10 ins. diam. bears S. 14° E. 26 lks. dist. marked . . T. 40 S. R. 21 E. S. 35. BT
A Cottonwood 6 ins. diam. bears N. 70° E. 35 lks. dist. marked . . T. 40 S. R. 21 E. S. 26. BT.
Land rolling and level.
Soil sandy and gravelly: 1st and 2nd rate
Timber cottonwood. 200 chs.
April 10, 1899. At this cor. we set off 8° 0' N. on the decl. arc: and at 2 hrs 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 16' N.

set on, a random line bet. secs. 2 & and 35
40.00 Temp. 1/4 sec cor.

Subdivision of T. 40 S. R. 21 E. continued

Chains	
80.00	Intersect N. and S. line at the cor. of secs. 25. 26. 35 and 36.
	Thence We run
	West on a true line bet. secs. 26 and 35
	Over level land. soil sandy loam
	San Juan river bottoms.
16.00	Enter dense artimesa
37.00	Enter dense growth young cottonwood leave artimesa.
40.00	Set a cobble stone 14×10×8 ins., 10 ins. ins in the ground for 1/4 sec. cor. marked 1/4 S. 26 on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable
48.00	Top of bench bears N.E.S.W. 50 ft above 1/4 sec cor. thence over nearly level land.
72.50	Wash 20 ft deep 2 chs wide course S.
76.00	Enter river bottoms.
80.00	The cor of secs. 26. 27. 34 and 35.
	Land rolling and Level.
	Soil sandy; 1st rate.
	Timber Cottonwood
	So. 1 E. bet. secs. 34 and 35.
	Over level land. soil sandy loam through dense cottonwood
32.00	Leave timber.
37.50	Right bank of San Juan river bears N.E. and S.W.
	Set a cottonwood post 3 ft. long 4 ins sq., with quart of charcoal 24 ins. in the ground for meander cor of fracs. secs. 34 and 35 marked M.C. on S. T. 40 S. on N., R. 21 E. S. 35 on E., and S. 34 on W. faces. dug a pit 36×36×12 ins. 8 ft. N. of post. and raise

Subdivision of T. 40 S., R. 21 E. Continued.

ams. a mound of earth 4 ft. base 2 ft. hig
N. of cor.
Land level.
oil sandy: 1st rate.
Timber cottonwood. 32.00 chs.
April 10, 1899:

April 10. 1899:
At 8 a.m. l.m.t., We set off 37°17'
N. on the lat. arc: 8°03' N. on the decl.
arc: and determine a true mer-
ian with the solar at the
of secs. 21, 22, 27, and 28.
previously described
Thence we run
N 0°2' W. bet. secs. 21 and 22
over smooth sandstone floor
ascending
8.00 Leave sandstone floor thence over
rolling sandy mesa.
40.00 Set a sandstone 18×12×5 ins., 12 ins.
the ground for 1/4 sec cor. marked
1/4 S. on W. face and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable
80.00 Set a sandstone 18×8×8 ins., 12 ins.
in the ground for cor of secs. 15, 16, 21 and
22. marked 40 S. on N.E. and 21 E. on
faces with 3 notches on S. and
edges, and raise a mound
of stone 2 ft. base 1 1/2 ft. high W. of cor.
Pits impracticable.
Land rolling
Soil sandy: 1st rate
No timber.

ast on a random line bet secs.
15 and 22.
40.00 temp. 1/4 sec cor.
51.50. To west edge of Buck canon and top of

Subdivision of T. 40 S., R 21 E. Continued

chains.	cliffs 200 ft high.
	To determine the distance across canon. set a flag on line across canon. measure a base north 20.50 chs to a point from which the flag bears S 45 E.: which gives for the dist. (by traverse table) 20.50 which added to 51.50 chs makes
72.00	To east side of Buck canon
77.00	Near edge of canon and cliffs 200 ft high to pass cliffs we offset as follows 20 [illegible] North: 20 lks
	East 3.00 chs which added to 77.00 chs makes
80.00	Intersect the W.C. to cor of secs 14. 15. 22 and 23 which is 20 lks north of point for true cor.
	Thence we run
	West on true line bet. secs. 15 and 22 from W.C. to cor of secs. 14. 15. 22 and 23 on offset as follows. over smooth sandstone floor.
	West 3. chs.
	South 0.20 chs. to a point on line bet secs. 15 and 22. thence West on a true line bet secs 15 and 22.
8.00	East edge of Buck canon. 200 ft deep. with spring branch in bottom heads about 10 chs North of line, course S.
28.50	West edge of Buck canon. cliffs 200 ft high. edge of mesa bears N.S.S.
40.00	Point for 1/4 sec cor falls on solid sandstone we cut a cross for 1/4 sec. cor. marked 1/4 S on N. side and raise a mound of stone 2 ft base 1 1/2 ft. high N. of cor. Pits impracticable.
42.00	Leave solid sandstone thence over rolling sandy mesa
80.00	The cor. of secs. 15. 16. 21 and 22.
	Land mountainous
	Soil sandy and stony: 1st 4th rates
	No timber
	mountainous Land 80.00 chs.

Subdivision of T. 20 S., R. 21 E. Continued.

ans. April 10, 1899: At this cor. we sch off 8°06' N. on the decl. arc: and at 12 hrs. 02 m. l. m. t. observe the on the meridian the resulting lat. is 37°18' N

N. 0°2' W. bet. secs. 15 and 16.
Ascending over rolling mesa.
soil sandy.

30.00 To of ridge bears E. and W. descend
40.00 a sandstone 18 x 12 x 8 ins., 12 ins. the ground for 1/4 Sec. cor. m 1/4 S. on W. face and raise a m of stone 2 ft. base 1 1/2 ft. high W. of c Pits impracticable.

41.00 Ravine Course N. E.
Ascending

46.00 Top of Knoll 100 ft above 1/4 Sec. cor.
Descending.

80.00 Sandstone 14 x 6 x 6 ins., 10 ins. the ground for cor. of secs. 9. 10. 15. and 16. marked with 4 notches on S. and 3 notches on E. edges raise a mound of stone. 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Land mountainous.
soil sandy and stony: 4th and 4th rate.
No Timber
Mountainous land. 80.00 chs.
April 10. 1899.

April 11. 1899.
At 8 a. m. l. m. t. we sch off 37°19' N. on the lat. arc: 8°25' N. on the decl. arc: and determine a true meridian - the solar at the cor. of 9. 10. 15. and 16.
Thence we run

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 the cor. of secs. 10. 11. 14. and 15.

Thence We run

West on a true line bet. secs. 10 and 15.

Over rolling sandy mesa gradually ascending

40.00 Set a sandstone 14×8×8 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

80.00 The cor. of secs. 9. 10. 15 and 16.

Land rolling.

Soil sandy: 1st rate.

No timber

No. 2 W. bet. secs. 9 and 10.

Descending over rolling sandy mesa.

30.00 Trail bears N.E. and S.W.

40.00 Deposit a quart of charcoal 12 ins. in the ground for 1/4 sec. cor. bet. secs. 9 and 10. dug pits 18×18×12 ins., N. and S. of cor. 4 ft. dist.; and raise a mound of earth 3 1/2 ft base 1 1/2 ft high over deposit. In S. pit drove a pine stake 2 ft long 2 ins sq., 12 ins in the ground marked 1/4 S. on N. face & 10 on E. face

80.00 Set a sandstone 14×12×6 ins., 10 ins. in the ground for cor. of secs 3. 4. 9 and 10. marked with 5 notches on S. and 3 notches on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable.

Land rolling.

Soil sandy: 1st rate.

No timber.

Subdivision of T. 40 S., R. 21 E., Continued.

ains. April 11, 1899. At this cor. We set 8°28' N. on the decl. arc: and at 12 hrs 12 m. l. m. t., observe the sun on the meridian. the resulting lat. is 37° 20' N.

ast on a random line bet. secs. 3 and 10.

40.00 temp. 1/4 sec. cor.

79.98 Intersect N and S. line 3 lks S. of the cor. of secs. 2. 3. 10 and 11.
Thence We run
89°59' W. on a true line bet secs. 3 and 10.
Over rolling sandy mesa.

39.99 Deposited a quart of charcoal, 12 the ground for 1/4 sec. cor. bet. secs. 3 and 10. dug pits 18×18×12 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 deposit.
In E. pit drove a pine stake, 2 ft long 2 ins. sq., 12 ins in the grou marked 1/4 S. 3 on. N face. S 10 on S fa

79.98 The cor. of secs. 3. 4. 9 and 10.
Land rolling
sandy 1st rate.
No timber

N. 0° 2' W. on a random line bet secs. 3 and 4.

40.00 temp. 1/4 sec. cor.

80.07 Intersect the N. bdy. of the Tp. at cor. of secs. 3. 4. 33 & 34
Thence We run
°2' E. on a true line bet secs. 3 and 4.
Descending

0.75 Ravine 25 ft deep course N. E.

chains. ascend over rolling sandy mesa
20.00 Ravine 50 ft deep course E.
40.02 , a sandstone 18 x 12 x 6 ins., 12
the ground for 1/4 sec. cor. in
1/4 S. on W. face and raise, a
mound of stone 2 ft. base 1 1/2 ft. the
W. of cor. Pits impracticable
over rolling sandy mesa
ascending,
80.02 The cor. of secs. 3. 4. 9 and 10.
Land rolling
sandy; 1st rate.
No timber

April 11. 1899.

April 11. 1899.
At 8 a. m. l. m. t., We set off
39° 17' N. on the lat arc: 8° 25' W.
on the decl. arc: and determine a
true meridian with the solar
at the cor. of secs. 21. 22. 27 and 28
previously described
Thence We run
0° 2' E. bet secs. 27 and 28.
over smooth sandstone floor
12.00 Top of sandstone cliffs 200 ft high and edge of
mesa bears E. and W. down which We
can not chain: set a flag on line
near foot of cliffs: measure a base
West 4.00 chs. to a point from which
the flag bears S. 45° E.: which gives
for the distance (by traverse table)
4 chs. which added to 12.00 chs.
makes
16.00 Foot of cliffs. thence descending
over rolling land soil sandy and
gravelly.
35.00 Top of low sandy ridge bears N. W.
and S. E. descend,
40.00 Set a sandstone 30 x 14 x 8 ins. in
a mound of stone and earth

Subdivision of T. 40 S., R. 21 E. Continued.

and for 1/4 Sec. cor. marked 1/4 S. on N. face and raise a mound of 2 ft. base 1 1/2 ft high N. of cor. Pits impracticable.

55.00 Ravine 20 ft. deep Course S.E.

67.00 Ravine 40 ft deep Course S.E.

80.00 Set a sandstone 14 x 10 x 4 ins., 10 ins. the ground for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable

Land rolling and mountainous. Sandy land stony. 1st and 4th rate. No timber

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

40.00 Temp. 1/4 Sec. cor.

80.00 Intersect N. and S. line at the cor. of secs. 26, 27, 34 and 35.

Thence we run

West on a true line bet. secs. 27 and 34, ascending over rolling sandy land

6.50 Wash 20 ft deep 2 chs wide course S.

18.25 Trail bears N. and S.

22.00 Foot of ascent

24.00 Top of bench 40 ft high bears N.E. and S.W.

29.50 Trail bears N.E. and S.W.

31.75 Wa road bears N.E. and S.W.

40.00 a sandstone 14 x 12 x 5 ins., 10 ins. the ground for 1/4 Sec cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

69.50. Wash 6 ft deep 10 ft wide course S.W.

78.50 Wash 4 ft deep 6 ft wide course S.

Subdivision of T. 40 S., R. 21 E. Continued.

Chains.	
80.00	The cor. of secs. 27. 28. 33 and 34. Land rolling Soil sandy: 1st rate: No timber. April 11. 1899. at this cor. we sch off 8° 28' N. on the decl arc: and at 12 hrs. 10 m. l. m. t. observe the sun on the meridian the resulting lat. is 37° 16' N.
	West on a random line bet. secs. 28 and 33.
40.00	Set temp 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 28. 29. 32 and 33. Thence we run East on a true line bet. secs. 28 and 33 Descending over rolling foot hills soil sandy and stony.
40.00	Set a sandstone 14 x 10 x 10 ins., 10 ins in the ground for 1/4 sec. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable. Thence over rolling foot hills descending.
80.00	The cor. of secs. 27. 28. 33 and 34. Land rolling Soil sandy and stony: 1st and 4th rate No timber
	S. 0° 21 E. bet secs. 33 and 34. Descending over rolling land
30.25	Trail bears E. and W.
40.00	Set a cobble stone 14 x 8 x 4 ins., 10 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on N. face and raise a mound of stone 2 ft. base 1 1/2 ft high N. of cor.

Subdivision of T. 40 S., R. 21 E. - Continued.

ans. Pits impracticable
46.75 Begin steep descent
47.75 Top of broken sandstone ledges bears E and W. begin precipitous descent
48.00 San Juan river bottoms through dense cottonwood
54.00 Wagon road bears E. and W. thence through scattering cottonwood.
60.25 Right bank San Juan river bears N.E.&W.
At a cottonwood post 3 ft. long 4 ins sq., with quart of charcoal 24 ins. in the ground for meander of fracl. secs. 33 and 34, marked M.C. on S., T 40 S. on N., R 21 E. S. 34 on E., and S. 33 on W. faces: dug a pit 36 x 36 x 12 ins. 8 ft. N of post and raise a of earth 4 ft. base 2 ft. high N. of cor.
Land rolling
oil sandy, 1st rate
Timber: cottonwood. 12.00 chs.
April 11, 1899

April 12, 1899.
At 8 a.m. l.m.t., We set off 37° 17' N on the dat. arc: 8° 47' W. the decl. arc: and determine a true meridian with the solar at the cor. of secs. 20, 21, 28 and 29, previously described.
Thence We run.
N. 0° 3' W. bet. secs. 20 and 21 over rolling sandy mesa,
40.00 Sandstone 14 x 10 x 7 ins., 10 ins. the ground for 1/4 sec. cor. on 1/4 S. on W. face and raise a mound of stone 2 ft. base x 1/2 ft. high W. of cor. Pits impracticable

Subdivision of T. 40 S., R. 21 E.—Continued

Chains.	
65.00	Leave sandy mesa. thence over smooth sandstone floor. scattering cedars
80.00	Set a sandstone 20 x 10 x 8 ins. in a mound of stone for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E edges. and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
	Land. rolling.
	Soil sandy and stony: 1st and 4th rate.
	Timber cedar scattering. 15.00 chs.
	Back on a random line bet. secs. 16 and 21.
40.00	Set temp. ¼ sec. cor.
80.00	Intersect N. and S. line at the cor. of secs. 15, 16, 21 and 22.
	Thence We run
	West on a true line bet. secs. 16 and 21. ascending over rolling sandy mes
40.00	Set a sandstone 14 x 8 x 6 ins., 10 ins in the ground for ¼ sec. cor make ¼ S. on N. face and raise a of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
50.00	Begin descend over rolling sandy mesa
72.00	Leave sandy soil. thence over solid sandstone floor. through scattering cedar.
80.00	The cor. of secs. 16, 17, 20 and 21.
	Land rolling.
	Soil sandy and stony: 1st and 4th rate.
	Timber cedar. scattering. 8.00 chs.
	April 12, 1899. At this cor We set of 8° 50' N. on the decl. arc: and 12 hrs. 10 m. l. m.t., observe the sun on the meridian. The resulting

Subdivision of T40S., R. 21E. continued.

Mean Lat is 37°18' N.

The continuance of this line north would fall along the face of impassable perpendicular cliffs 200 ft. high
The land lying north and west is entirely unfit, and in many places impossible to survey the entire portion being composed of solid rock.
Therefore we proceed to the cor of secs. 9, 10, 15 and 16 previously described
Thence we run
West bet. secs 9 and 16.
Ascending over rolling sandy mesa.
16.00 Begin descend over rolling sandy mesa.
25.50 Trail bears N.E. and W.
35.50 Leave sandy soil
Thence over smooth sand-stone floor.
40.00 Reach for 1/4 sec cor fall on solid sandstone on which we cut a cross for 1/4 sec. cor. marked 1/4 S on N of cross and raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Site impracticable.
We discontinue further survey of this line on account of impassable perpendicular cliffs 200 ft high. 11.00 chs west of this

Land rolling.

Subdivision of T. 20 S., R. 21 E. Continued

Chains	
	Soil sandy and stony; 1st & 4th rates
	No timber.
	From the cor of secs. 3, 4, 9 and 10 previously described We run West both secs 4 and 9 over rolling sandy mesa
35.75	Trail bears N.W. and S.E.
40.00	Set a sandstone 16 x 10 x 4 ins., 11 ins. in the ground for 1/4 sec cor marked 1/4 S on N face and raise a mound of stone 2 ft. base 1½ ft. high N of cor. Pits impracticable
	Descending
45.00	Trail bears N.W. and S.E.
50.00	Trail bears N.E. and S.W.
69.75	Top of perpendicular cliffs 250 ft high and edge of mesa bears N.W. and S.E. Impracticable to continue this line west. Therefore
	Set a sandstone 24 x 18 x 9 ins., in a mound of stone for witness cor. to cor. of secs. 4, 5, 8, and 9. marked W.C. on N.E. face with 5 notches on S and 4 notches on E edges and raise a mound of stone 2 ft base 1½ ft high W of cor. Pits impracticable
80.00	Cor. for secs 4, 5, 8 and 9 falls on inaccessable ground and is not set.
	Land rolling
	Soil sandy; 1st rate
	No timber.
	April 12, 1899.
	April 12 1899. At 8 a.m. l.m.t., We set off 24°16' N. on the lat arc; 8°47' N. on the dec arc; and determine a true meridian with the polar at the standard cor. of secs 31 and 32 previously described

Chains.	Thence We run
	N. 0° 3' W. bet secs. 31 and 32.
	Ascending over rolling land,
	soil sandy,
30.25	Sandstone ledges and boulders
	bears E. and W.
36.00	Leave ledges and boulders
	thence over sandy rolling land
38.50	Trail bears E. and W.
40.00	Set a sandstone 16x12x4 ins. 11 ins.
	in the ground for 1/4 sec. cor. marked
	1/4 S. on W. face and raise a
	mound of stone 2 ft. base 1½ ft. high
	W. of cor. Pits impracticable
80.00	Set a sandstone 20x10x8 ins., 15 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 and
	raise a mound of stone 2 ft. base
	1½ ft. high W. of cor. Pits impracticable
	Land rolling
	Soil sandy; 1st rate
	No timber.

	East on a random line bet. secs.
	29 and 32
40.00	Set temp. 1/4 sec. cor.
80.00	Intersect N. and S. line at the cor.
	of secs. 28, 29, 32 and 33.
	Thence We run
	West on a true line bet. secs. 29 and
	32,
	Ascending over stony land
0.75	Ledges 10 ft. high bears N. and S.
16.00	Leave stony land. thence over
	rolling sandy foot hills
40.00	Set a sandstone 18x8x8 ins., 12 ins.
	in the ground for 1/4 sec. cor. marked
	1/4 S. on N. face and raise a

Subdivision of T. 40 S., R. 21 E. Continued.

ans.	mound of stone. 2 ft. base 1½ ft. high N. of cor. Pits impracticable
68.00	Begin descend
74.25	Ledges 12 ft high bear N. and S.
	Begin steep descent
75.00	Foot of descent thence over rolling land gradually descending.
80.00	The cor. of secs. 29. 30. 31 and 32
	Land rolling
	Soil sandy and stony; 1st and 4th rate.
	No timber.
	April 12, 1899.
	At this cor. We set off 8° 50' N. on the decl. arc: and at 12 hrs 10 m. l. m. t., observe the sun on the meridian the resulting lat. is 37° 16' N.
	West bet secs. 30 and 31; in true line
	Descending over rolling land
	soil sandy and stony.
20.00	Leave rolling land. thence over solid sandstone floor.
34.25	Top of cliffs 150 ft high. east side of Butter canon bears S.W. and N.E. Impracticable to continue this line west. and point for ¼ sec. cor. will fall in canon Therefore
	We cut a cross for witness cor to ¼ sec cor. marked W.C. on N.E. and ¼ S. on N. side of cross and raise a mound of stone 2 ft. base 1½ ft. high N. cor. Pits impracticable
40.00	Point for ¼ sec cor. falls on inaccessable grou and is not set.
	Land mountainous.
	Soil sandy and stony; 1st 4th rates
	No timber
	Mountainous land 40.00 Chs.

Subdivision of T. 40 S., R. 21 E. - Continued.

1 ains.	From the cor of secs. 29. 30. 31 and 32. ablished this day. WE run. N. 0° 3' W. bet. secs 29 and 30 over rolling land soil sandy.
40.00	Set a sandstone 16 x 8 x 6 ins., 11 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face and raise a mound of stone. 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable
56.00	Leave sandy soil thence over solid rock floor
71.00	Top of cliffs 100 ft. high. edge of Butler Canon with branch in bottom about 10 lks. wide course S.W. To determine the distance across. Set a flag on line across canon: measure a base N. 89° 57' E. 5 chs. to a point from which the flag bears N 45° W.; which gives for the distance (by traverse table) 5 chs which added to 71.00 makes
76.00	Top of cliff 100 ft. high and edge of Butler canon bears N.E. and S.W. Thence over solid rock floor, ascending.
80.00	Point for sec cor falls on solid rock on which WE cut a cross for cor. of secs. 19. 20. 29 and 30 marked with 2 notches on S. and 5 notches on E. sides and raise a mound of stone 2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable Land mountainous. Soil sandy and stone: 1st 4th rates No timber. Mountainous land. 80.00 chs.

April 12, 1899.

April 13, 1899.

At 8 a.m. l. m. t., WE set off 37° 17' N on the lat arc: 9° 09' N.

Subdivision of T. 40 S., R. 21 E. continued.

Chains.	
	on the dist arc: and determine a true meridian with the solar at the cor. of secs. 19. 20. 29 and 30.
	Thence WE run
	East on a random line bet. secs. 20 and 29
5.56	To edge of Butler canon and cliffs 100 ft. high
	To determine dist across: set a flag on line across canon. measure a base north 5.50 chs. to a point from which the flag bears S. 45° E.: which gives for the dist. (by traverse table) 5.50 chs added to 5.56 chs. makes
11.06	To edge of Butler canon and cliffs 100 ft high a branch about 10 lks wide flows in bottom of canon course S.
40.00	Set temp ¼ sec cor.
56.06	To foot of cliffs 200 ft high.
	To determine the dist to top of cliffs: set a flag on top of cliffs. measure a base south 4 chs to a point from which the flag bears N. 45° E.: which gives for the dist. (by traverse table) 4 chs which added to 56.06 chs makes
60.06	To top of cliffs.
80.06	Intersect N. and S. line 4 lks. S. of the cor. of secs. 20. 21. 28 and 29.
	Thence WE run
	S. 89° 58' W. on a true line bet. secs. 20 and 29
	Over rolling sandy mesa gradually descending.
20.00	Top of cliffs 200 ft high, edge of mesa bears N. and S.
24.00	Foot of cliffs. thence over rolling foot hills descending.
40.03	Set a sandstone 14 x 10 x 8 ins., 10 ins. in the ground for ¼ sec. cor. marked ¼ S. on N. face and raise a mo of stone 2 ft base 1½ ft. high N. of cor
	Pits impracticable
58.55	Ledge 20 ft high bears N. and S.
60.00	Begin steep precipitous descent

Subdivision of T. 40 S., R. 21 E. - Continued.

	Gains, over broken sandstone ledges and coulders from bench
61.00	Foot of descent 50 ft below top of L. thence over rolling land soil sandy. descending
69.00	Top of cliffs 100 ft high east side of Butler canon course S.
74.50	Top of cliffs 100 ft high west side of Butler canon
80.06	The cor. of secs. 19, 20, 29 and 30. Land mountainous, soil sandy and stony. 1st 4th rates No timber. Mountainous land. 80.06 chs.

N. 0° 3' W. bet. secs. 19 and 20.
Ascending over solid stone floor. west side of Butler canon and astern slope of comb ridge.

40.00	at a sandstone 24 x 16 x 8 ins., in a mound of stone for 1/4 sec cor. marked 1/4 S. on W. face and raise a mound of stone 2 ft base, 1 1/2 ft high W. of cor. Pits impracticable. This cor. stands on the edge of solid stone gulch 100 ft deep course S. E.
75.00	Bottom of solid stone gulch 100 ft. deep irse E ascend.
80.00	oint for sec cor falls on solid rock on which We cut a cross for cor. of secs. 17, 18, 19, and 20 marked with 3 notches on S and 6 notches on E edges and raise a mound of stone 2 ft. base 1 1/2 ft high W. of Pits impracticable This cor is in a small depresion in solid rock about 8 ft. deep and drains S.

Subdivision of T. 40 S., R. 21 E. Continued.

Chains Land mountainous
il stone. 4th rate.
No timber.
Mountainous land 80.00 chs.

N 89°58' E on a random line bet. secs
17 and 20.
40.00 – temp 1/4 sec cor.
72.54 To foot of cliffs 200 ft. high
To determine the distance to top of cliffs
set a flag on line on top of cliffs.
measure a base S 0°2' E. 4.50 chs to
a point from which the flag bears
N 45° E which gives for the dist. (by
table) 4.50 chs which added
to 72.54 chs. makes,
77.04 To top of cliffs.
80.04 Intersect N. and S. line 3 chs. N. of the cor.
secs. 16. 17, 20 and 21.
Thence We run
89°59' W. on a true line bet secs. 17
and 20.
Descending over solid stone floor.
3.00 Top of cliffs 200 ft high. edge of mesa
bears N. and S.
7.50 Foot of cliffs
Thence over rolling foot hills
soil stony.
40.02 Set a sandstone 15 x 10 x 6 ins.,
10 ins. in the ground for 1/4
sec. cor. marked 1/4 S. on N
face and raise a mound of
stone 2 ft. base, 1 1/2 ft high N. of
cor.
Pits impracticable.
40.50 Wash in Bottom of
Butler canon
20 ft deep, 4 ch wide and.

Subdivision of T. 40 S., R. 21 E. Continued

amb. branch 10 lks wide course S.
500 ft below sec. cor. ascend
48.00 Leave sandy and stony soil
thence ascending over solid
stone floor
80.04 The cor. of secs. 17, 18, 19 and 20.
Land mountainous,
sand and stone; 1st 4th rate,
No timber
Mountainous land, 80.04 chs.

Impracticable to continue this line north as the land lying north and west is entirely composed of stone and in many places impossible to survey on account of numerous cliffs and deep chasms. Therefore we discontinue further subdivision of this Tp.

April 13, 1899.

Meanders T. 40 S. R. 21 E.

Meanders of the right bank of an an River up stream.

We commence at the meander cor. of fracl. secs. 4 and 33 on the 8th andard Parallel S. S. bdy. of the Tp.
April 13th 1899
At this cor. we set off 37° 16' N on the lat. arc; 9° 09' N. on the decl arc; and at 8 a.m. l.m.t., determine a true meridian with the solar.
Thence we run with meanders in sec. 33

Meanders T. 40 S., R. 21 E.

Meanders of the right bank of San an River up stream.

N. 69° 45' E.	7.00 chs.	Bank 3 ft. high
S. 80° 45' E.	10.50 chs.	
N. 72° 30' E.	26.30 chs.	Bank 6 ft. high
N. 41° E.	6.30 chs.	
		at 0.50 chs. enter undergrowth.
N. 9° W.	6.70 chs.	Bank 5 ft. high at 4.70 chs leave undergrowth.
S. 89° 30' E.	25.90 chs.	Bank 6 ft. high
	42.70	To meander cor of fracl. secs. 33 and 3.

Land level
Soil river bottom.
No timber
~~Dense undergrowth~~ 10.50 chs.

Thence in sec 34,
through dense undergrowth and cottonwood timber,

N. 82° 30' E.	8.20 chs.	Bank 5 ft. high.
N. 55° 30' E.	5.50 chs.	Bank 4 ft. high
N. 78° 45' E.	11.30 chs.	
N. 54° 45' E.	11.80 chs.	Bank 6 ft. high
N. 41° 30' E.	5.40 chs.	
N. 80° 30' E.	15.70 chs.	Bank 3 ft. high
S. 85° E.	11.30 chs.	
N. 76° 30' E.	16.80 chs.	Bank 4 ft. high
		To the meander cor.
	86.00	of fracl secs. 34 and 35.

Land level
Soil sandy river bottom.
Timber cottonwood. ~~Dense~~ undergrowth 86.00 chs.
April 13th 1899.
At this cor WE set off 9° 12' N. on the decl arc. and at 12 hrs 10 m. l. m.t., observe the sun on the meridian the resulting

Meanders T. 40 S. R 21 E.

Meanders of the right bank of
Juan River up stream,

lat. is 37° 16' N.

ence in Sec. 35:
Through dense undergrowth and
cottonwood timber,

N. 69° 30' E.	10.00 chs.	Bank 5 ft. high.
N. 57° 30 E.	8.70 chs.	
N. 42° 30 E.	4.80 chs.	Bank 6 ft. high
N. 52° E.	4.50 chs.	
N. 23° 15' E.	4.20 chs.	
N. 76° E.	4.00 chs.	
N. 67° 45' E.	9.00 chs.	
N. 51° 45' E.	7.80 chs.	
		at end of course leave timber
N 66° E.	18.50 chs.	
S. 83° E.	10.90 chs.	
N. 81° 45' E	8.90 chs.	Bank 3 ft. high
		To the meander cor. of frac'l. secs. 35 and 36.

91.30

Land level,
Soil sandy,
Timber cottonwood.
Dense undergrowth 53.00 chs.

Thence in Sec. 36.

N. 67° 23' E.	6.50 chs.	Bank 3 ft. high, To the meander cor. of frac'l. secs. 25 and 36

Land level
Soil gravel,
No timber,

Meanders T. 40 S. R. 2 E. Conclude

Meanders of the right bank of San Juan River up stream

Thence in sec. 25

N. 39° E.	26.00 chs.	Bank 6 ft. high at 22 chs north of Cottonwood wash 3 chs wide
N. 59° 30' E.	8.00 chs.	Bank 6 ft. high at 5.60 fence bears N. and S. enter field
N. 83° E.	13.00 chs.	Bank 8 ft high at end of course fence bears N. and S.
S. 85° 15' E.	6.30 chs.	Bank 6 ft high at 5.50 fence bears N E and S W. at end of course enter undergrowth
N. 73° 45' E.	5.50 chs.	Bank 5 ft. high.
S. 80° 15' E.	11.20 chs.	
N. 62° 45' E.	5.40 chs.	
N. 55° 45' E.	6.50 chs.	
N. 52° 45' E.	6.30 chs.	Bank 6 ft. high, to the meander cor. of fract sec. 25 and 30 on the E. bdy. of the Tp.

Land level,
soil sandy loam 1st rate;
no timber.
On account of storm and windy weather we were unable to take final observations, either solar or Polar.
April 13th 1899.

General description

The portion of this township surveyed by us contains nearly every variety of land from plain or mesa to mountainous, and the soil ranges from sandy loam to gravelly and in many places the solid sandstone is the surface.

The soil in the bottom land along the San Juan river is generally rich sandy loam and produces abundant crops with little irrigation the water for which is taken from the San Juan river and is the main source of the water supply for the town of Bluff.

The greater portions of the higher mesa's are covered with a growth of sage or artimesa and scattering cedars with an abundant growth of rich and nutricious grasses and affords excellent range land.

There is no timber of commercial value, the cottonwood and willow are found along the San Juan river and alone scattering along the cottonwood wash and other canons.

There is abundant sandstone of a fine quality which affords excellent building material and can be easily quarried from the surrounding cliffs.

The town of Bluff is situated in Sec. 25 and consists of from 50 to 70 families the principal business of which is stock raising. There is 1 Church "Mormon," 1 school "Mormon" and 2 general merchandise stores.

Its estimated population is about 200.
There are no visable indications of mineral in this township.

Hubert D. Page,
James M. Lentz,
U.S. Deputy Surveyors.

There being no notary public or other officer authorized to administer oaths within a reasonable distance at the beginning or ending of our survey, in order to save time and expense, I administered the preliminary and final oaths for both the surveys and resurveys myself—

Hubert D. Page,
U.S. Deputy Surveyor.

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FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

LIST OF NAMES.

A list of the names of the individuals employed by Hubert D Page, and James M. Lentz, 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 subdivisions and meander lines T. 40 S. Rs. 21, 22, 23, & 24 E. T. 41 S., Rs. 24 & 25 E., T. 42 S., Rs. 25 & 26 E. T. 43 S., R. 26 E., and the subdivisions of T. 40 S. Rs. 25 & 26 E., T. 41 S. R. 26 E. of the Salt Lake Base & Meridian Utah showing the respective capacities in which they acted:

Peter Meyer, Peter Allen, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R Lumpkin, Axman.
George W. Dalton, Axman.
, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Hubert D Page, and James M. Lentz, United States Deputy Surveyor, in surveying all those parts or portions of the Subdivision and meander lines of T. 40 S. Rs. 21, 22, 23, 24 E., T. 41 S. Rs 24 & 25 E., T. 42 S., Rs. 25 & 26 E., T. 43 S., R. 26 E. the subdivision of T. 40 S., Rs. 25 & 26 E., T. 41 S., R. 26 E. of the Salt Lake Base meridian, State of Utah, which are represented in the foregoing field notes as having been surveyed by ~~him~~ them and under ~~his~~ their 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.

Peter Meyer, Peter Allen, Chainman.
Harry Erwin, Walter O. McCuen, Chainman.
John R. Lumpkin, Moundman.
George W. Dalton, Moundman.
John R. Lumpkin, Axman.
George W. Dalton, Axman.
, Flagman.

Subscribed and sworn to before me this 13th day of April, 1899.

SEAL

Hubert D Page
U.S. Deputy Surveyor

6—151

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

We ~~I~~ Hubert D Page and James M Lentz United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Jacob B Blaw United States Surveyor General for the District of Utah, bearing date of the 29th day of October, 1897, we ~~I~~ have well, faithfully, and truly, in our ~~my~~ own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for the District of Utah, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivisions of T 40 S. Rs 21, 22, 23, 24, 25 & 26 E. T 41 S Rs 24, 25 & 26 E. T 42 S. R 25 & 26 E and T 43 S R 26 E.

of the Salt Lake Base and meridian, in the State of Utah, which are represented in the foregoing field notes in books D.F.G. L.O.Q.T.U.W.X.Y.Z. as having been surveyed by ~~me~~ us, and under ~~my~~ our direction; and we ~~I~~ do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for the District of Utah and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, we ~~I~~ will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Hubert D. Page James M. Lentz
United States Deputy Surveyor

Subscribed by said Hubert D Page and James M Lentz, and sworn to before me this 20th day of November, 1897

Jacob B Blaw
U.S. Surveyor General
for the District of Utah

SEAL

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Salt Lake City Utah February 17th 1900

The foregoing field notes of the survey of the subdivisions & meanders of Township 40 South Range 21 East of the Salt Lake Base & Meridian Utah

executed by Hubert D Page and James M Lentz under ~~his~~ their contract No. 215, dated October 29th, 1897, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Jacob B Blaw
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