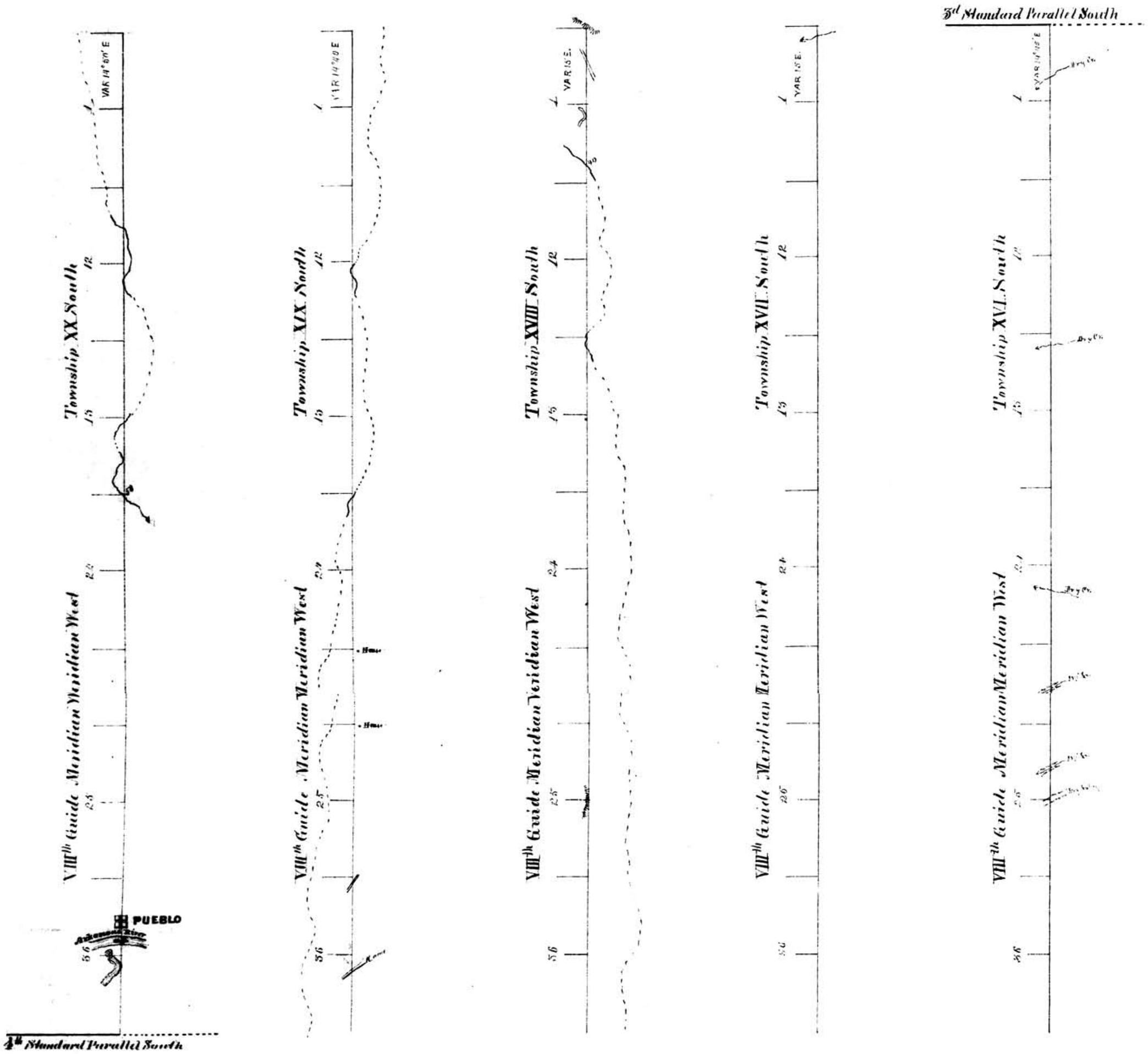
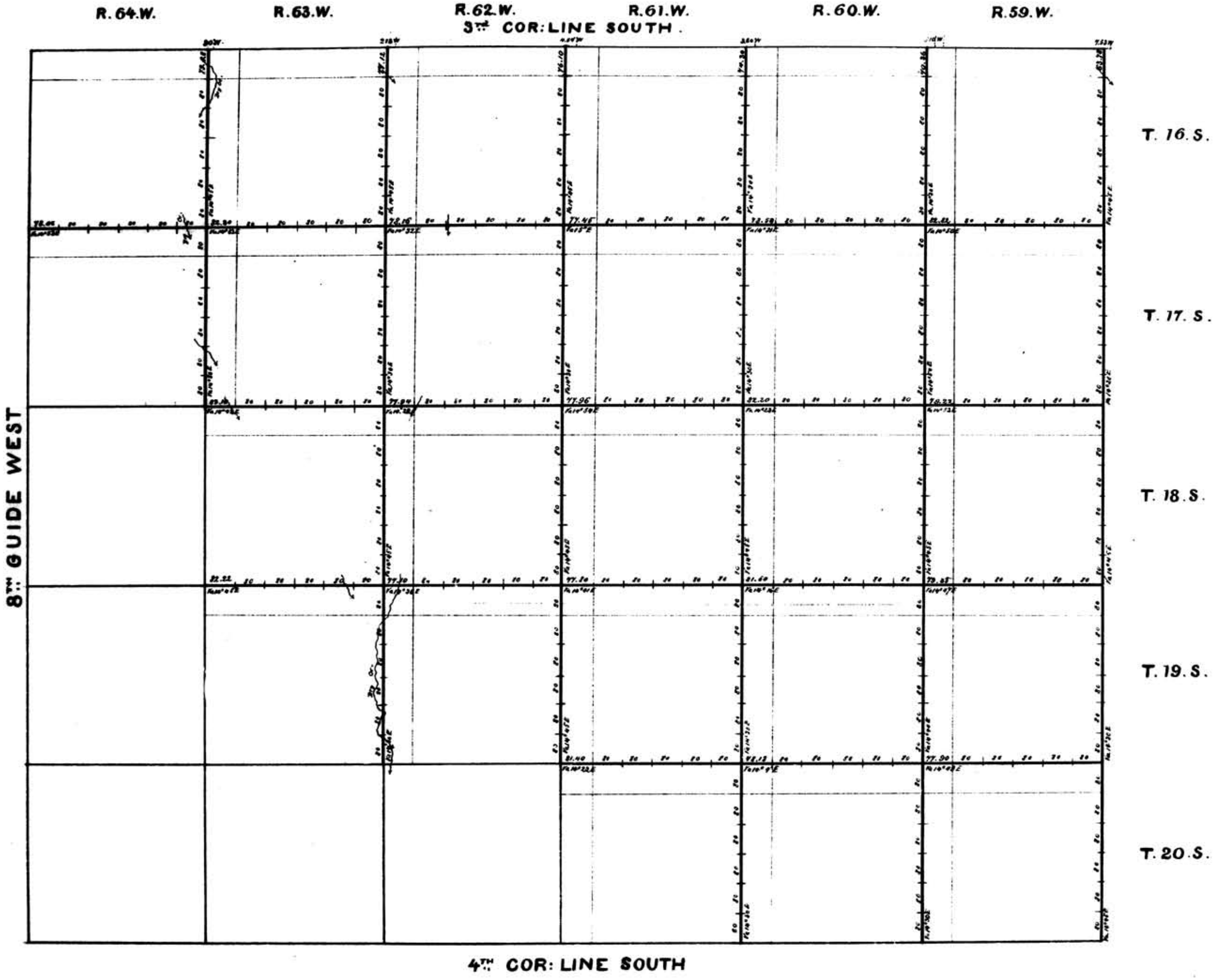


BOOK 2

I hereby Certify that the above Diagram of the VIIIth Guide Meridian West of the 6th Principal Meridian between the 3d & 4th Standard Parallels South as Surveyed by John & William H. Pierce under their Contract dated May 31st 1862 is in strict conformity to the original approved Field Notes on file in this office.

Surveyor Generals Office
Denver City July 10th 1862

Francis Melcase
Sur. Genl. Colorado & Utah



Amount of Survey: Townshiplines: 263 Mi 35 Chs 77 Lks
Connections " 24 " 05 "

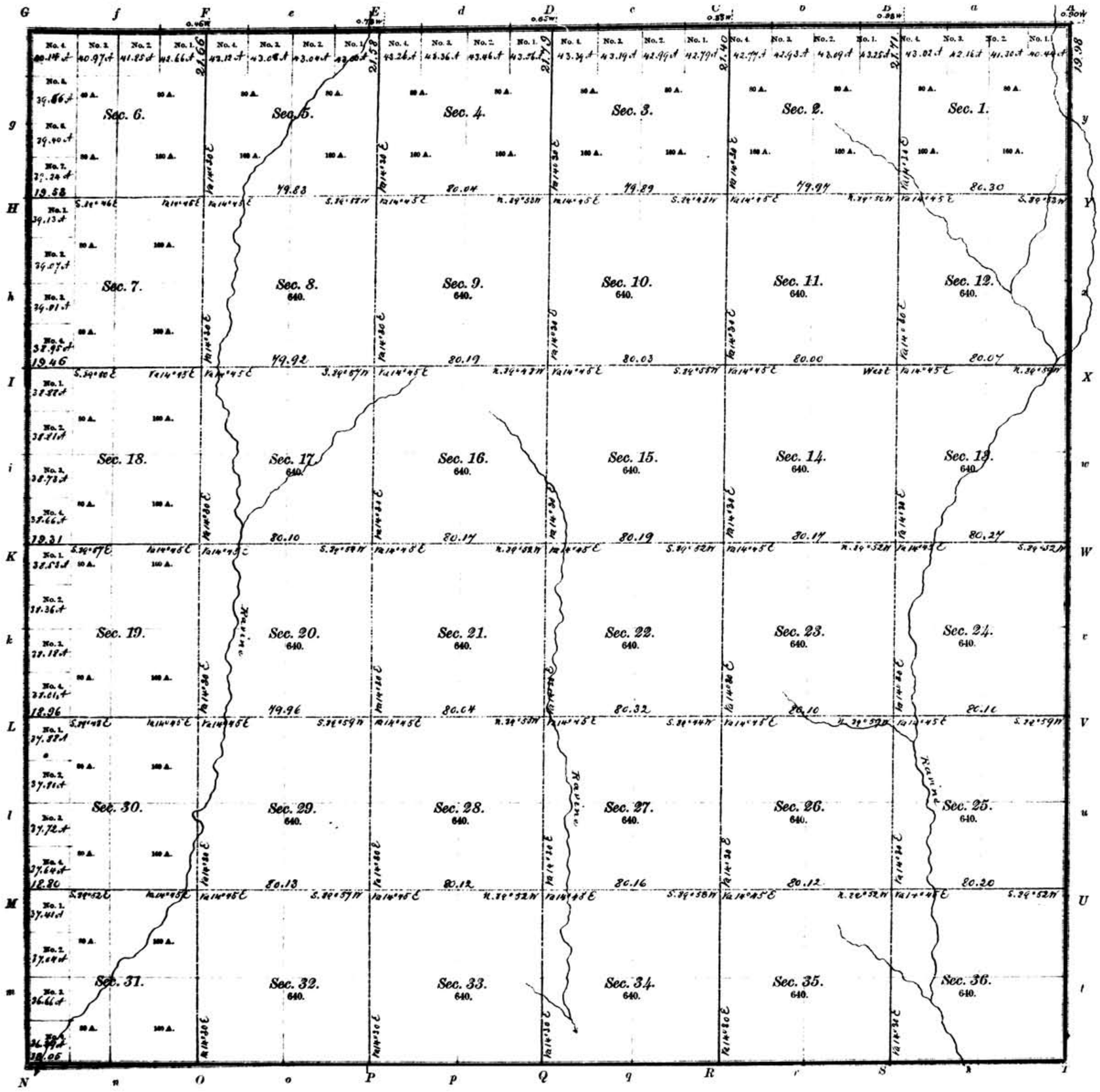
Survey commenced: July 2nd 1871.
" completed: August, 5th 1871.

I hereby Certify that the above Diagram of the Exterior Lines of Townships No 16 & 17 South Ranges No 59, 60 61, 62, 63 & 64, of Townships No 18 & 19 South, Ranges No 59, 60 61, 62 & 63, of Township No 20 Ranges No 59, 60 & 61 West of the 6th Principal Meridian in Colorado as surveyed by Jacob H. Martz under his Contract of June 14th 1871, is strictly conformable to the field notes of the Survey thereof on file in this Office which have been examined and approved

Surveyor General's Office
Denver, C.T. October, 21st 1871.

W. W. Lessig.
Surv. Genl.

Township No. 16 South Range No. 64 West of the 6th Principal Meridian.



23063.78 Total number of Acres.

Surveys Designated.	By whom Surveyed.	Date of Contract.	Amount of Surveys. M.	Chs.	Lks.	When Surveyed.
Township,	Jacob H. Martz	June 14th 1841				1841.
Sub-division,	Wm A. Christian	June 14th 1841	60	3	64	Aug. 31st to Sept. 6th 1841
Standard lines	John W. H. Pierce	May 31st 1862				1862
	C. A. Deane	June 10th 1864				1864
Connections	Wm A. Christian	June 14th 1841.	0	3	70	Aug. 31st to Sept. 6th 1841

Scale, 40 chains to an inch.

The above Map of Township No. 16 South of Range No. 64 West of the 6th Principal Meridian, in Colorado, is strictly conformable to the field notes of the survey thereof on file in this office, which have been examined and approved.

SURVEYOR GENERAL'S OFFICE,
Denver, C. T., December 30th 1841.

Surveyor General.

BUREAU OF LAND MANAGEMENT

COLORADO RECTANGULAR SURVEY INDEX PRINTED: 02/24/76

TOWNSHIP 16 SOUTH RANGE 64 WEST -SIXTH PRIN MER

BOUNDARY	VOLUME	INTRODUCTION FROM	INTRODUCTION TO	SURVEY FROM	SURVEY TO	CERTIFICATE FROM	CERTIFICATE TO	TYPE	CONTRACT OR GROUP	ISSUED OR APPROVED	YEAR	SURVEY APPROVED	SURVEYOR OR REMARKS
NORTH	RC	1	2	71	72	146	150	ORG	1	08/12/1861	1861	10/01/1861	J E HENDRICKS
NORTH	R*C	232	232B	233	236			ORG			1867		C H DEAN
NORTH	R0003	291	292	298	298	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN
NORTH	R0003	291	292	304	304	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN
NORTH	R0003	291	292	309	309	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN
NORTH	R0003	291	292	315	315	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN
NORTH	R0003	291	292	322	322	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN
NORTH	R0008	1	1	24	24	260	260E	ORG		06/14/1871	1871	10/21/1871	J H MARTZ
NORTH	R0396	319	323	327	328	367	368	RES	47	10/26/1914	1914	09/30/1916	W SHAPCOTT
SOUTH	RC	253	254	257	257			ORG	6	05/31/1862	1862		J PIERCE
SOUTH	R0008	1	1	18	21	260	260E	ORG		06/14/1871	1871	10/21/1871	J H MARTZ
SOUTH	R0396	319	323	332	333	367	368	RES	47	10/26/1914	1914	09/30/1916	W SHAPCOTT
EAST	R0008	1	1	18	18	260	260E	RES		06/14/1871	1871	10/21/1871	J H MARTZ
EAST	R0008	1	1	22	24	260	260E	ORG		06/14/1871	1871	10/21/1871	J H MARTZ
EAST	R0396	319	323	325	333	367	368	RES	47	10/26/1914	1914	09/30/1916	W SHAPCOTT
WEST	RC	1	2	71	72	146	150	ORG	1	08/12/1861	1861	10/01/1861	J E HENDRICKS
WEST	RC	253	254	255	257			ORG	6	05/31/1862	1862		J PIERCE
WEST	RG	52	56	56	61	90	95	RES		07/01/1863	1863	01/00/1864	A SHELDON
WEST	R*C	232	232B	233	233			ORG			1867		C H DEAN
SUBDIVISION	R0003	291	292	293	323	463	467	ORG		06/14/1871	1871	12/23/1871	W A CHRISTIAN

****

Contract No. 1. of Aug 12. 1861

with Joel E Hendricks p 1 to 150

Contract No 2 of Sept 3. 1861

with John Pierce p. 153 to 193

Contract No 3. of Sept 4. 1861

with John Pierce p. 197 to 239

Contract No 6 of May 31. 1862

with John & Wm H Pierce p. 253 to 282

Part of Contract No 6. was Extin

or lines for which see Vol. II.

For Index

See back end of Volume

Field Notes

of the survey of the **EIGHTH GUIDE MERIDIAN** west of the Sixth Principal Meridian, from the Base Line surveyed on the Fortieth Parallel of North Latitude, **SOUTH** Ninety Miles, to the Third Standard Parallel, in the Territory of Colorado by Joel E. Hendricks Deputy Surveyor under his Contract No. 1 bearing date August 12th 1861

Names and duties of Survey Party

Joel E Hendricks Compassman
Wm H Ashley
Wolsey Sawtelle
Dyer Mathews } Chainmen
Edward Field
George Hendricks F Capman
Sylvester Lawrence Cornerman

P McIsaacs Pacemaster & Cook

+ 8th Guide Mer. (South)

I Commence at the intersection of the 8th Guide Meridian with the Base Line being the S. W. Corner of Section 31 in Township number 1 North of Range number 64 West Found mound and trench at corner as described in the field notes of the same furnished me by the Surveyor General The Posts at said Corner have been removed

By an observation at noon with Burts Solar Compass I find the Latitude of the initial point to be 40 degrees and the variation of the needle to be 15 degrees East

I run South on a true meridian

40.00 Above a Charred stake for quarter Sec. Corner. set a post properly marked and raised a mound as per instructions

80.00 Set a post for Corner of 1.6.7 & 12

Township 15. South.

Surface. Rolling.
Vegetation. Buffalo grass.
Land. Third rate.

South on a true meridian.
40.00 Set a post for quarter Section corner. Drove a charred stake and raised a mound as per instructions.
80.00 Set a post for corner to Sections 13. 18. 19. and 24. in Township No. 15. South. Drove a charred stake and raised a mound as per instructions.
Surface. Rolling.
Vegetation. Buffalo grass.
Land. Third rate.

South on a true meridian.
40.00 Set a post for quarter Section corner. Drove a charred stake and raised a mound as per instructions.
80.00 Set a post for corner to Sections 19. 24. 25. and 30. in Township No

Township 15. and 16. South.

15. South. Drove a charred stake and raised a mound as per instructions.
Surface. Rolling.
Vegetation. Buffalo grass.
Land. Third rate.

South on a true meridian.
40.00 Set a stake for quarter Section corner. Drove a charred stake and raised a mound as per instructions
80.00 Set a post for corner to Sections 25. 30. 31. and 36. in Township No. 15. South. Drove a charred stake and raised a mound as per instructions.
Surface. Rolling.
Vegetation Buffalo grass.
Land. Third rate.
Sept. 13th 1861.

South on a true meridian.
40.00 Set a post for quarter Section corner. Drove a charred stake and raised a mound as per instructions.

8th Guide Meridian

Townships 15. and 16. South

80.00 Set a post for corner to Sections 31. and 36. in Township No. 15. South and Sections 1. and 6. in Township No. 16. South. Drove a charred stake and raised a mound as per instructions.

Surface. Rolling.
Vegetation Buffalo grass.
Land. Third rate.

Field Notes.

of the survey of the third Standard Paralell (South of the base line on the Fortieth Paralell of North Latitude) running West from the Eighth Guide Meridian to the Rocky Mountains in the Territory of Colorado. By Joel E. Hendricks, deputy surveyor, under his contract number one, bearing date the 12th day of August A.D. 1861.

I should add that the Chains were compared with the Standard Every morning —

—— " ——

We hereby certify that we assisted Joel E Hendricks Deputy Surveyor in surveying the 8th Guide Meridian West of the 6th Principal Meridian South from the Base Line 90 miles also the first, second and Third Standard Parallels South between said 8th Guide Meridian & the Base of the Mountains and that said lines have in all respects been to the best of our Knowledge & belief well and faithfully surveyed and the boundary monuments planted according to the instructions furnished by the Surveyor General

Wm H Ashley
Woolsey. H. Sawtell
D R Authens
Edward. G Field
} Chainmen

George J. Hendricks — Flagman
Sylvester E Lawrence — Cornerman

Subscribed & sworn to by the above named persons before me a United States Commissioner for the Territory of Colorado this 30th day of September 1861

Wm Larimer Jr
United States
Commissioner for
Colorado Ty

Seal

I Joel E Hendricks Deputy Surveyor do solemnly swear that in pursuance of a contract with Francis McCase Surveyor of the Public Lands of the United States in the Territory of Colorado bearing date the 12th day of August 1861 and in strict conformity to the Laws of the United States and the instructions furnished by the Surveyor General I have faithfully surveyed the said Eighth Guide Meridian South of the Base Line Ninety miles and the said first second & third Standard Parallels from said Guide Meridian west to the Base of the Rocky Mountains in the Territory of Colorado aforesaid and do further solemnly swear that the foregoing

are the true and original field notes of said survey

Joel E Hendricks
Deputy Surveyor

Subscribed by the said Joel E. Hendricks and sworn before me a United States Commissioner for Co for the territory of Colorado this 30th day of September A D 1861

Wm Zarimer
United States
Commissioner for Col Ty

Surveyor General's office
Denver City Col T. Oct 1 1861

The foregoing field notes of the Survey of the 8th Aude meridian west of the 6th Principal Meridian South from the Base Line 20 miles also the first, Second & third Standard Parallels south between said 8th Aude Meridian and the Base of the Rocky Mountains executed by Joel E Hendricks under his contract of the 12th day of August 1861, having been critically examined the necessary corrections and exceptionating made. The said field notes and the Surveys they describe, are hereby approved,

Francis McCase
Sur. Genl of
Colorado Ty

Field Notes of the Survey of the 8th Guide Meridian West of the 6th Principal Meridian (from the 3rd Standard Parallel South to the 4th Standard Parallel South)

Lotman Secs 30 + 36 Tp 20 S
Rgs 64 + 65 W. 6th Pm.

Names & duties of the
Survey Party for the
Standard Lines
John Price } Compassman

Wm. H. Price
Frederick J. Ebert
George A Billings } Chainmen
Arlington C Ashley

Caleb S Burdeal
Duncan Campbell } Chainmen

Redwood Fisher } Flagman

Eighth Guide Meridian

I begin at the corner of Sections
1 and 6 of Townships 16 South
Ranges 64 and 65 West and Sections
31 and 36 of Township 15 South
Ranges 64 and 65 West and run
South on a true line
Variation 14° 45' East

29 Dry stream Course South West
40 Set a post with mound and chained
stake for quarter Sec. corner
80 Set cottonwood post with mound
and chained stake for corner to
Sections 1.6.7 and 12
Land 3rd rate

---

40 Set post with mound and chained
stake for quarter sec. cor,
80 Set cottonwood post with mound and
chained stake for corner to sections
7.12.13 and 18.
Land 3rd rate

16.63.

Eighth Guide Meridian

8. Dry station Course West
40. Set post with mound and chained stake for quarter sec. cor.
80. Set a post with mound and chained stake for corner to sections 13. 18. 19 and 24
Land 3rd rate

40. Set post with mound and chained stake for quarter section corner
54. Dry run Course South West
Alkali
80. Set cottonwood post with mound and chained stake for corner to sections 19. 24. 25 and 30
Land 3rd rate

22. Deep dry ravine Course South West
40. Deep gulch
42. Set post with mound and chained stake 2 chains South

Eighth Guide Meridian

of 1/4 sec. corner, Corner in deep gulch
80. Set a post with mound and chained stake for corner to sections 25. 30, 31 and 36
Land 3rd rate

40. Set post with mound and chained stake for 1/4 sec. cor.
80. Set a post with mound and chained stake for corner to townships 16 & 17 South Ranges 64 and 65 West
Rolling prairie Poor grass
Variation 13° East

17 Ranges

7. Dry run Course West
40. Set a post with mound and chained stake for 1/4 sec. cor.
80. Set cottonwood post with mound and chained stake for corner to sections 1. 6. 7 and 12 township 17 South
Land 3rd rate

~~1-074.~~

Township 16 S **R.** 65 W.

6	88	5	78	4	72	3	67	2	61	1
87		86		78		71		66		60
7	86	8	77	9	71	10	66	11	60	12
86		85		77		70		65		59
18	85	17	76	16	70	15	65	14	59	13
84		83		76		70		64		58
19	83	20	75	21	69	22	64	23	58	24
82		81		75		69		63		57
30	81	29	74	28	69	27	63	26	57	25
80		79		73		68		62		56
31	79	32	72	33	67	34	62	35	56	36.

28978b5m6-07

Field-Notes
of the
Survey
of the
Subdivision lines
of
Township 16 South, Range 65
West of the 6th Principal Meridian
in the Territory of Colorado
by
Albinus Z. Sheldon
Deputy Surveyor, under his Con-
tract bearing date the 1st day of
July 1863

Survey commenced Aug 3rd 1863
and completed Aug. 8th 1863.

Names

Of assistants employed in the Survey of the following Township.

Robert Finley
Charles Auchmoody } Chainmen
George W. Smith
Henry S. Clark } Mound-builders
Benaijah Stubbs Flagman

Field-Notes of the Survey of the Subdivision lines in Township 16 South, Range 65 West of the Sixth Principal Meridian.

chains

To determine the proper adjustment of my instrument for subdividing this Township, I commence at the South East Corner of Township 16 S. Range 65 West of the 6th Principal Meridian and run
North on a blank line along the East Boundary of Section 36.
Variation 16°30' East

40.03 To a point 33 links East of qur. Sec. Cor.
80.07 To a point 45 links East of Cor. to Sections 25 & 36
To retrace this line or run parallel thereto my instrument must be adjusted to a Variation of 16°50' East.
Returning to the Corner of Townships 16 and 17, I run
West on a blank line along the South Boundary of Section 36
Variation 16°50' East
39.14 To a point 41 links North of qur. Sec. Cor.
78.97 To a point 83 links North of post Corner to Sections 35 and 36

Chains	
	To retrace this line or run parallel thereto I must adjust my instrument to a variation of 17°06' East, Subdivision Commenced Aug. 3rd 1863
	North between Sections 35 and 36 Variation 17°04' East,
40.00	Drive Chained stake and set post in Mound, with trench, as per instructions, for quarter Section Corner,
80.00	Drive Chained stake and set post in mound, with trench, as per instructions for Corner to Sections 25, 26, 35, 36. Land gently rolling prairie; Soil 2nd rate.
	East on a Random line between Sections 25 and 36 Variation 16°38' East.
40.00	Set temporary quar. Sec. Cor.
67.58	Ravine, 90 links wide, bears South,
79.33	Intersect East Boundary of Township 53 links South of post, Corner to Sections 25 and 36 from which Corner I run West on a true line between Sections 25 & 36

Chains	
	Variation 17°00' East.
39.66	Drive Chained stake and set post in mound, with trench, as per instructions, for quarter Section Corner,
79.33	To Corner to Sections 25, 26, 35, 36. Land gently rolling prairie; Soil 2nd rate
	North between Sections 25 and 26. Variation 16°38' East,
40.00	Drive Chained stake, and set post in Mound, with trench, as per instructions, for quarter Section Corner.
80.00	Drive Chained stake and set post in Mound, with trench, as per instructions for Corner to Sections 23, 24, 25, 26. Land, rolling prairie; Soil 3rd rate.
	East on a random line between Sections 24 & 25 Variation 17.00 East,
40.00	Set post for temporary quar. Sec. Cor.
79.44	Intersect East Boundary line of Township 13 links North of post, Corner to Sections 24 and 25 from which Corner I run West on a true line between Sections 24 and 25

Chains	
	Variation 16°24' East
39.70	Drive Chained Stake and set post in mound, with trench, as per instructions, for quarter Section Corner,
79.44	To Corner to Sections 23, 24, 25, 26.
	Land rolling prairie; Soil good 2nd rate.
	North between Sections 23 and 24
	Variation 16°04' East
40.00	Drive Chained stake and set post in mound, with trench, as per instructions, for quarter Section Corner,
80.00	Drive Chained stake and set post in mound, with trench, as per instructions, for Corner to Sections 13, 14, 23, 24.
	Land rolling prairie; Soil good 2nd rate.
	East on a random line between Sections 13 and 24.
	Variation 16°55' East
17.28	Ravine 80 links Wide, bears S. E.
40.00	Set post for temporary quar. Sec. Cor.
79.79	Intersect East Boundary of Township 19 links North of post Corner to Sections 13 and 24 from which I saw

Chains	
	West on a true line between Sections 13 and 24
	Variation 16°47' East
39.39	Drive Chained stake and set post in mound, with trench, as per instructions, for quarter Section Corner,
79.79	To Corner to Sections 13, 14, 23, 24.
	Land rolling prairie; Soil good 2nd rate.
	North between Sections 13 and 14.
	Variation 16°52' East
40.00	Drive Chained stake and set post in mound, with trench, as per instructions for quarter Section Corner.
80.00	Drive Chained stake and set post in Mound, with trench, as per instructions, for Corner to Sections 11, 12, 13, 14.
	Land, rolling prairie; Soil good 2nd rate.
	East on a random line between Sections 12 + 13
	Variation 16°55' East
6.15	Ravine, 80 links wide, bears S. 10° E.,
40.00	Set post for temporary quar. Sec. Cor.,
79.26	Intersect East Boundary of Township 60 links North of post. Corner to Section

Chains	
	12 and 13, from which Corner I run West on a true line between Sections 12 and 13
	Variation 16°29' East
39.63	I drive Chained stake and set post in mound, with trench, for Corner to quarter quarter Sec. as per instructions,
79.26	To Corner to Sections 11, 12, 13, 14.
	Land, rolling prairie; Soil 2nd rate.
	North between Sections 11 and 12
	Variation 16°34' East
40.00	I drive Chained stake, and set post in mound, with trench, as per instructions, for quarter Sections Corner,
80.00	I drive Chained stake and set post in mound, with trench, as per instructions, for Corner to Sections 1, 2, 11, 12.
	Land rolling prairie; Soil 2nd rate.
	East on a random line between Sections 1 and 12.
	Variation 16°29' East
34.20	Ravine, 80 links wide, bears S. 18 W.
40.00	Set post for temporary qur. Sec. Cor.

79.76	Intersect east Boundary of Township at post Corner to Sections 1 and 12 from which I run West on a true line between Sections 1 and 12
	Variation 16°29' East
39.88	I drive Chained stake and set post in mound, with trench, as per instructions, for qur. Sec. Cor.
79.76	To Corner to Sections 1, 2, 11, 12.
	Land rolling prairie; Soil 2nd rate.
×	North between Sections 1 and 2
	Variation 16°34' East
40.00	I drive Chained stake and set post in mound, with trench, as per instructions, for quarter Section Corner.
79.90	Ravine, 20 links wide, bears S.E.
80.80	Intersect North Boundary of Township 8 links East of post, Corner to Sections 35 and 36 at which point I drive a Chained stake and set a post in mound, with trench, as per instructions for closing Corner to Sections 1 and 2.
	Land hilly; Soil 2nd rate.
	Aug 3rd 1863

List of Names.

A list of the names of the individuals Employed to assist in running, measuring, or marking the lines and corners described in the foregoing field notes of Township 16 South of the base line of Range 65 West of the 6th Principal Meridian, in the Territory of Colorado, showing the respective capacities in which they acted:

Robert Finley Chainman.
Charles Ruckinrole, Chainman
George W. Smith, Mound builder.
Henry S. Clark, Mound builder
Benajah Stubbs, Flagman.

We hereby certify that we assisted Albinus F. Sheldon, deputy surveyor, in subdividing Township No 16 South of the base line of Range No 65

West of the 6th Principal Meridian, in the Territory of Colorado, and that said Township has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the boundary monuments planted according to the instructions furnished by the Surveyor General.

Robert Finley Chainman
Charles Ruckinrole Chainman
George W Smith Mound builder
Henry S Clark Mound builder
B. P. Stubbs Flagman

Colorado Territory } S.S.
El Paso County }

Subscribed and sworn to by the above named persons before me a Clerk of the District Court for and in the third Judicial District in Colorado Territory this twenty sixth day of September A.D.

U. 1863 M. G. Bradford
p George A Brute Dep

I, Albinus Z. Sheldon, Deputy Surveyor, do solemnly swear, that in pursuance of a Contract with John Pierce, surveyor of the public lands of the United States in the Territories of Colorado and Utah, bearing date the 1st day of July 1863. and in strict conformity to the Laws of the United States and the instructions furnished by the said Surveyor General I have faithfully subdivided Township No. 16 South of the base line of Range number 65 West of the Sixth principal Meridian in the Territory of Colorado and do further solemnly swear that the foregoing are the true and original field notes of such Survey.

A. Z. Sheldon

Colorado Territory } SS.
El Paso County }

Subscribed and sworn to before me a Clerk of the District Court of Colorado Territory 3d Judicial District this twenty sixth day of September AD 1863.

M G Bradford p George A Brute Dep.

Surveyor Generals Office
Denver Jany 1864

The foregoing field notes of the survey of the subdivisional lines of tps. 17 & 16 S. R. 65 West executed by A. Z. Sheldon under his contract of the 1st day of July 1863 having been critically examined, the necessary corrections and explinations made, the said field notes, and the survey they approve describe are hereby approved

Surveyor General
of Colorado Territory

Third Correction line
South.
In Ranges 61. 62.
63. and 64 West.

232A

We hereby certify that we assisted Cecil A. Deane, deputy Surveyor, in surveying the 3rd Correction line South for a distance of 24 miles East from the 6th Guide Meridian in Colorado, and that said survey has been well and faithfully surveyed and the boundary monuments have been planted according to the instructions furnished by the Surveyor General.

Cecil A. Deane } Com. pass

J. F. Morgan } Mounds
James Fisher }

232B

Richard Fling.
William Plumber
G. T. Bridges } Chainmen
John McGuire

I commence at the corner to Twps 15. and 16. S. R. 64 and 65. West, on the 5th Guide Meridian. – Post standing in mound and agreeing with the description furnished me by the Surveyor General.

I find by observation with the Solar Compass the Variation to be 14° 44' East.

From said corner I run East along the S. boundary of Sec. 31 Twp 15 S. R. 64. W. Var. 14° 44' East.

40.00 Set a Sandstone 15×10×4 for 1/4 Sec. Corner.

Twp. 15 S. R. 64 W.

80.00 Set a Sandstone 15×10×5 for corner to sections 31 & 32.
Land rolling 2nd rate
Veg. bunch grass and sage bushes.

East along the South boundary of Sec. 32 Var. 14° 44' E.

40.00 Set a Sandstone 15×8×4 for 1/4 Sec. Corner.

76.50 Ravine with water, course South.

80.00 Set a Sandstone 14×10×4 for corner to Sections 32, and 33.
Land rolling 2nd rate
Veg. buffalo and bunch grass.

East along the South

Tp. 15 S. Rg. 64 W.

boundary of Sec. 33.
Bea. 14° 44' E
40.00 Set a Sandstone 15×3
×4 for 1/4 Sec. Corner.
80.00 Set a Sandstone 14×11
×4 for corner to Sec-
tions 33. and 34
Land gently rolling
2d rate
Reg Buffalo grass.

East along the South
boundary of Sec. 34
Bea. 14° 44' East.
40.00 Set a Sandstone
15×10×4 for 1/4
Sec. Corner.
80.00 Set a Sandstone 14×
10×4 for corner to
Sections 34 and 35
Land gently rolling 2d rate
Reg. Buffalo grass

East along the S. bou-
dary of Sec 35
Bea. 14° 44' East.
40.00 Set a Sandstone 14
×9×4 for 1/4 Sec. Corner
80.00 Set a Post in mound
and charred stake, made
trenches as per new
instructions, for corner
to Sections 35 and 36
Land rolling. 2d rate
Reg. Buffalo grass.

East along the South
boundary of Sec 36
Bea. 14° 44' East.
40.00 Set a Post in mound
and charred stake for
1/4 Sec Corner.
67.40 Dry Ravine, course S.
80.00 Set a Post in mound

Tp. 15 S. Rg 64. W.

and charred stake for corner to Sections 31 and 36. in Township 15 S. Range 63 and 64 West.
Land on line loose sandy soil - not fit for cultivation. - No timber found on line

Tp. 15 S. Rg. 63. W.

From the corner to Townships 15 S. Ranges 63 and 64 West, I run along the S. boundary of Sec. 31. Tp 15 S Range 63. West, at a variation of 14°49' E.

40.00 Set a Post in mound and charred stake for 1/4 Sec. Corner.

80.00 Set a Post in mound and charred stake for corner to Sections 31 & 32
Land rolling & rate veg. brush and buffalo grass.

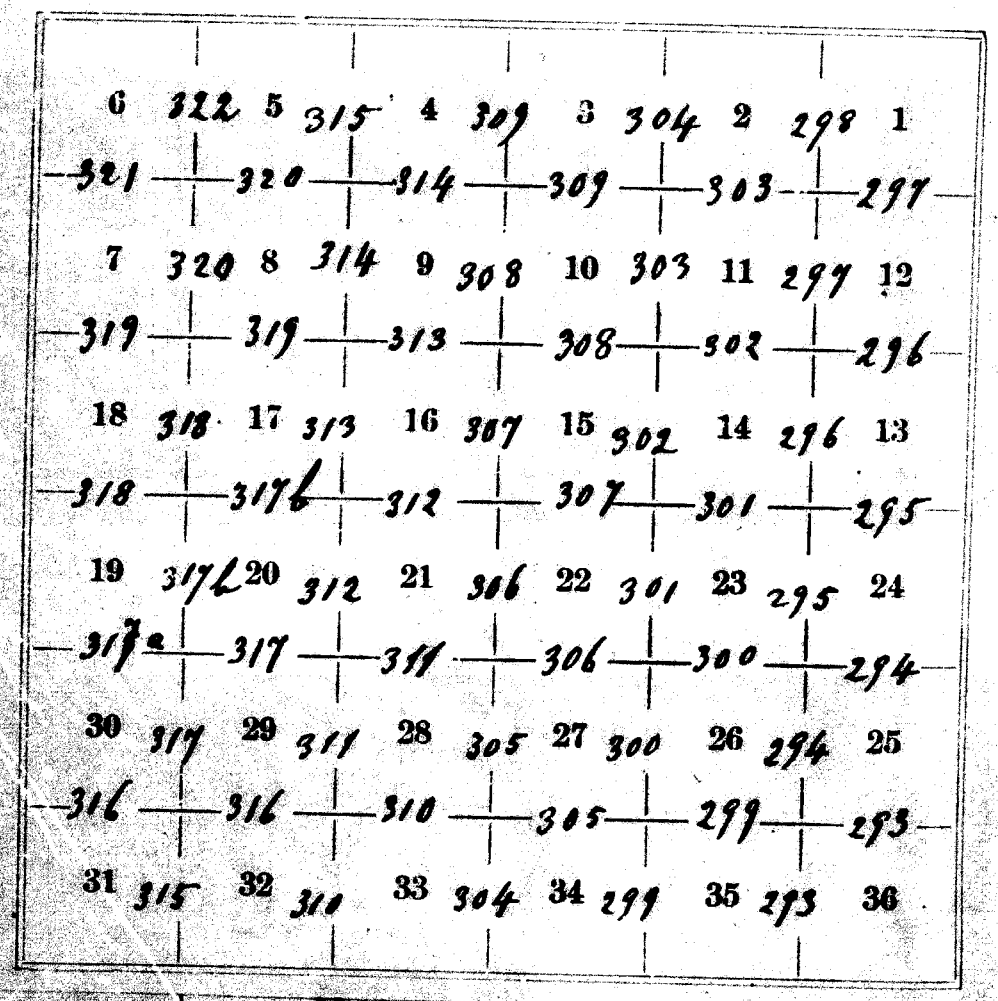
East along the South boundary of Sec. 32. Var. 14°49' East.

40.00 Set a Post in mound and charred stake

Field Notes
of Survey of Subdivisional lines
of Tp. 16. S. R. 64. W. of
the 6th Prin. Mer. in the
Ter. of Colorado by
Wm A. Christian
Dep. Sur.
under his Contract of June 1/71
Survey begun Aug 31/71
Completed Sep 6. 71

Township 16 S. R. 64 W.

6	322	5	315	4	309	3	304	2	298	1
321		320		314		309		303		297
7	320	8	314	9	308	10	303	11	297	12
319		319		313		308		302		296
18	318	17	313	16	307	15	302	14	296	13
318		317b		312		307		301		295
19	317b	20	312	21	306	22	301	23	295	24
317a		317		311		306		300		294
30	317	29	311	28	305	27	300	26	294	25
316		316		310		305		299		293
31	315	32	310	33	304	34	299	35	293	36



T. 16. S. R. 64 W.

My compass being in proper adjustment I begin on the S. boundary of the Tp. at the Cor to Sec 35 & 36 & run

N. between Sec 35 & 36
Va 14°30' E

40.00 Set Stone 18×16×14 Jn 1/4 Cor
42.00 Ravine Course S.E.
80.00 Set Stone 23×11×8 for Cor to Sec 25.26.35 & 36
Land broken 2 & note
Veg. Prairie & Bunch grass

E. on a random line between Sec 25 & 36
Va 14°45' E

1860 Ravine Course S
40.00 Set temporary 1/4 Cor
80.20 Intersect E. line of Tp 18 lks S. of Cor

Tp. 16. S. R. 64. W

from which Cor. Trees
S. 89° 52' W
on a true line
41.10 Set Stone 18×18×5 for 1/4 Sec Cor
80.20 The Cor. to Sec 25.26.35.36
Land broken 2d rate

N. between Sec 25.26
Va 14° 30' E
41.00 Set Stone 16×14×3 for 1/4 Sec Cor
75.00 Ravine Course S. 70° E
80.00 Set Stone 18×10×6 for Cor to
Sec 23.24.25.26
Land broken 3d rate

E. on a random line
between Sec 24.25
Va 14° 45' E
8.90 Ravine Course S
40.00 Set post for temporary 1/4 Cor
80.00 Intersect E. line of Tp. 3[illegible]

T. 16 S. R. 64. W

S. of Cor. from which Cor. Trees
S. 89° 59' W
on a true line
41.15 Set post in mound for 1/4 Sec Cor
80.11 The Cor to Sec 23.24.25.26
Land broken 3d rate

N. between Sec 23.24
Va 14° 30' E
41.00 Set Stone 16×8×5 for 1/4 Sec Cor
80.00 Set Stone 20×16×5 for Cor to
Sec 13.14.23.24
Land rolling 3d rate

E. on a random line
between Sec 13.24
Va 14° 45' E
18.76 Ravine Course S. 25° W.
40.00 Set temporary 1/4 Cor
80.27 Intersect E. line of Tp 19[illegible]
S. of Cor. from which Cor Trees

T. 16. S. R. 64. W

S. 89° 52' W

on a true line

40.13 Set post in mound for 1/4 Cor

80.27 The Cor to Sec 13. 14. 23. 24

Land broken 2d rate

Veg. Branch & Prairie grass

N. between Sec 13, 14

Va 14° 30' E

40.00 Set post in mound for 1/4 Cor

80.00 Set Stone 19×12×8 for Cor

to Sec 11. 12. 13, 14

Land rolling 2d rate

E. on a random line

between Sec 12, 13

Va 14° 45' E

40.00 Set temporary 1/4 Cor

74.18 Ravine Course S. W

80.07 Intersect E. line of Tp. 2 Ch

N. of Cor

T. 16. S. R. 64. W

from which Cor. Found

N. 89° 57' W

on a true line

40.13 Set post in mound for 1/4 Sec Cor

80.07 The Cor to Sec 11. 12, 13, 14

" Land rolling 2d rate

Aug 31, 1871

N. between Sec 11, 12

Va 14° 30' E

40.00 Set Stone 18×9×4 for 1/4 Sec Cor

80.00 Set Stone 16×10×4 for Cor.

to Sec 1. 2. 11, 12

Land rolling 2d rate

E. on a random line

between Sec 1 & 12

Va 14° 45' E

11.09 Ravine Course S. E

40.00 Set temporary 1/4 Cor

70.18 Ravine Course S. W

T. 16. S. R. 64. W

80.30 Intersect E. line of Tp 17 N
S. of Ca. from wh. Cor. Trun
S. 89° 53 W
on a true line
41.15 Set post in mound for 1/4 Sec Cor
80.30 The Ca to Sec 1.2.11.12
Land broken 2d rate
Veg Prairie Brush grass

N. on a true line
between Sec 1 & 2
Va 14° 30' E
14.00 Ravine. Course S.E.
41.00 Set post in mound for 1/4 Cor
81.71 Intersect 3d Correction line
S. 98 lks W. of Stand Cor
& Set post in mound with
charred stake for Clos. Cor.
Land broken 2d & 3d rate
Veg. Brush & Prairie grass

T. 16. S. R. 64. W

N. between Sec 34 & 35
Va 14° 30' E
41.00 Set post in mound for 1/4 Sec Cor
80.00 Set Stone 20 x 18 x 8 for Ca to
Sec 26.27.34 & 35
Land broken 3d rate

E. on a random line
between Sec 26 & 35
Va 14° 45' E
41.00 Set temporary 1/4 Cor
81.12 Intersect N & S. line 18 lks W.
of Cor. from which Cor. Trun
N. 89° 52' W
on a true line
41.06 Set post in mound for 1/4 Sec Cor
81.12 The Ca. to Sec 26.27.34 & 35
Land broken 3d rate
Veg. grass wood & prairie grass
Sep. 1. 1871

T. 16. S. R. 64. W

N. between Sec 26 & 27
Va 14° 30' E

40.00 Set Stone 18×17×6 for 1/4 Sec Cor
80.00 Set Stone 20×10×8 for Cor
to Sec 22.23.26.27
Land broken 3d rate

E. on a random line
between Sec 23 & 26
Va 14° 45' E

38.00 Ravine Course S.E.
40.00 Set temporary 1/4 Cor
80.10 Intersect N & S. line 3 Chs N
of Cor. from which Cor. Trees
N. 89° 59' W
on a true line
40.05 Set post in mound for 1/4 Sec Cor
80.10 The Cor. to Sec 22.23.26.27
Land broken 2d rate
Veg. Prairie grass

T. 16. S. R. 64. W

N. between Sec 22 & 23
Va 14° 30' E

40.00 Set Stone 18×14×3 for 1/4 Sec Cor
80.00 Set Stone 24×14×6 for Cor
to Sec 14.15.22.23
Land broken 3d rate

E. on a random line
between Sec 14 & 23
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.17 Intersect N & S line 19 Chs N
of Cor. from which Cor. Trees
N. 89° 52' W
on a true line
40.08 Set post in mound for 1/4 Sec Cor
80.17 The Cor. to Sec 14.15.22.23
Land broken 3d rate
Veg. Prairie & Brushgrass

T. 16. S. R. 64. W.

N. between Sec 14 & 15
Va 14° 30' E

40.00 Set Stone 18×14×3 fr 1/4 Sec Cor
80.00 Set Stone 20×20×3 for Cor
to Sec 10. 11. 14 & 15
Land broken 3rd rate
Veg. Punch & Prairie grass

E. on a random line
between Sec 11 & 14
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.00 Intersect N & S. line at Cor
from which Cor 2 nw
W. on a true line
40.00 Set Stone 16×7×7 fr 1/4 Cor
80.00 The Cor to Sec 10. 11. 14. 15
Land broken 3rd rate
Veg. Punch & Prairie grass

T. 16. S. R. 64. W.

N. between Sec 10 & 11
Va 14° 30' E

40.00 Set Stone 16×16×3 fr 1/4 Sec Cor
80.00 Set Stone 20×12×4 for Cor
to Sec 2. 3. 10 & 11
Land rolling 2nd rate
Veg. Punch & Prairie grass

E. on a random line
between Sec 2 & 11
Va 14° 45' E

40.00 Set temporary 1/4 Cor
79.97 Intersect N & S. line 23 chs N
from which Cor. 2 nw
N. 89° 50' W
on a true line
39.98 Set post on corner fr 1/4 Sec Cor
79.97 The Cor, to Sec 2. 3. 10 & 11
Land rolling 2nd rate
Veg. Punch & Prairie grass

T. 16. S. R. 64. W

N. on a true line
between Sec 2 & 3
Va 14° 30' E

40.00 Set Stone 19×13×4 for ¼ Sec Cor
81.40 Intersect 3d Cor. line S. 83
lks W. of Stand. Cor &
Set Stone 28×16×5 for Clos. Cor.
Land rolling 2d rate
Veg. Brush & Prairie grass
Soil Sandy
Sept 2. 1871

N. between Sec 33.34
Va 14° 30' E

32.10 Ravine Course S. E
40.00 Set Stone 18×10×2 for ¼ Cor
80.00 Set Stone 20×14×4 for Cor
to Sec 27.28.33.34
Land broken 2d rate

T. 16. S. R. 64. W

E. on a random line
between Sec 27, 34
Va 14° 45' E

11.06 Ravine Course S.
40.00 Set temporary ¼ Cor
80.16 Intersect N & S. line 17 lks S.
of Cor. from which Cor Tree
S. 89° 53' W
on a true line
40.08 Set Stone 13×12×6 for ¼ Sec Cor
80.16 The Cor. to Sec 27.28.33.34
Land broken 3d rate
Veg. Brush & Prairie grass

N. between Sec 27.28
Va 14° 30' E

40.00 Set Stone 18×18×2 for ¼ Sec Cor
80.00 Set Stone 22×22×6 for Cor to
Sec 21.22.27.28
Land broken 3d rate

T. 16. S. R. 64. W

E. on a random line
between Sec 22 & 27
Va 14° 45' E

2.16 Ravine Course S. E
40.00 Set temporary ¼ Cor
80.32 Intersect N & S. line 38 lks
S. of Cor. from which Cor. Trees
S. 89° 44' W
on a true line
40.16 Set post in mound for ¼ Cor
80.32 The Cor to Sec 21.22.27.28
Land broken 3d rate

N. between Sec 21, 22
Va 14° 30' E

40.00 Set Stone 18×18×6 for ¼ Cor
80.00 Set Stone 20×12×6 for Cor
to Sec 15.16.21.22
Land rolling 2d rate
Wg. Farringrass

T. 16. S. R. 64. W

E. on a random line
between Sec 15 & 22
Va 14° 45' E

9.80 Ravine Course S
40.00 Set temporary ¼ Cor
80.19 Intersect N & S. line 19 lks S
of Cor. from which Cor. Trees
S. 89° 52' W
on a true line
40.09 Set Stone 14×12×3 for ¼ Sec Cor
80.19 The Cor to Sec 15.16.21.22
Land rolling 2d rate

N. between Sec 15 & 16
Va 14° 30' E

28.00 Ravine S. E.
40.00 Set Stone 16×12×3 for ¼ Sec Cor
80.00 Set Stone 20×20×3 for Cor
to Sec 9.10.15.16
Land rolling 2d rate

T. 16. S. R. 64 W

E. on a random line
between Cc 10 & 15
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.03 Intersect N & S. line 12 lks S
of Cor. from which Cor. Tree
S. 89° 55' W
on a true line
40.01 Set post in mound fr 1/4 Cor
80.03 The Cor to Cc 9. 10. 15 & 16
Land rolling 2d rate

N. between Cc 9 & 10
Va 14° 30' E

40.00 Set Stone 16 x 9 x 4 fr 1/4 Cor
80.00 Set Stone 24 x 12 x 10 fr Cor
to Cc 3. 4. 9 & 10
Land rolling 2d rate
Veg Bunch & Prairie grass

T. 16. S. R. 64 W

E. on a random line
between Cc 3 & 10
Va 14° 45' E

40.00 Set temporary 1/4 Cor
79.89 Intersect N & S. line 29 lks
S. of Cor from which Cor Tree
S. 89° 48' W
on a true line
39.94 Set post in mound fr 1/4 Cor
79.89 The Cor to Cc 3. 4. 9 & 10
Land rolling 2d rate

N. on a true line
between Cc 3 & 4
Va 14° 30' E

40.00 Set post in mound fr 1/4 Cor
81.79 Intersect 3. Correction line
S. 65 lks. W. of Stand. Cor
and set post in mound for
Closing Cor
Land rolling 2d rate Sep 3/71

T. 16. S. R. 64. W.

N. between Sec 32, 33
Va 14° 30' E

40.00 Set post in mound for 1/4 Cor
80.00 Set Stone 22x14x8 for Cor
to Sec 28. 29. 32. 33
Land rolling 2d rate

E. on a random line
between Sec 28, 33
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.12 Intersect N & S. line 18 chs
N. of Cor. from which bear Tree
N. 89° 52' W
on a true line
40.06 Set post in mound for 1/4 Sec Cor
80.12 The Cor to Sec 28. 29. 32. 33
Land rolling 2d rate
Veg. Ruffled Prairie & Pinnelgrass

T. 16. S. R. 64. W.

N. between Sec 28, 29
Va 14° 30' E

40.00 Set Stone 20x20x4 for 1/4 Cor
80.00 Set Stone 20x19x4 for Cor
to Sec 20. 21. 28, 29
Land rolling 2d rate
Veg. Prairie & Pinnelgrass

E. on a random line
between Sec 21, 28
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.04 Intersect N & S. line, 12 chs
N. of Cor. from which bear Tree
N. 89° 55' W
on a true line
40.02 Set post in mound for 1/4 Sec Cor
80.04 The Cor to Sec 20. 21, 28, 29
Land rolling 2d rate
Veg. Ruff. grass

T. 16. S. R. 64 W

N. between Sec 20. 21
Va 14° 30' E

40.00 Set Stone 16×16×4 fn 1/4 Cor
80.00 Set Stone 21×18×6 fn Cor
to Sec 16. 17. 20. 21
Land rolling 2d rate

E. on a random line
between Sec 16 & 21
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.17 Intersect N & S. line 19 lks W
of Cor. from which Cor. I run
N. 89° 52' W.
on a true line
40.18 Set Stone 18×12×8 fn 1/4 Cor
80.17 The Cor to Sec 16. 17. 20. 21
Land rolling 2d rate
Veg. Reef & Brush grass

T. 16. S. R. 64 W

N. between Sec 16 & 17
Va 14° 30' E

40.00 Set Stone 16×15×4 fn 1/4 Cor
65.00 Ravine Course S. W.
80.00 Set Stone 22×10×7 fn Cor
to Sec 8. 9. 16 & 17
Land rolling 2d rate

E. on a random line
between Sec 9 & 16
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.19 Intersect N & S. line 28 lks
W. of Cor.
from which Cor I run
N. 89° 48' W
on a true line
40.09 Set post in mound fn 1/4 Cor
80.19 The Cor to Sec 8. 9. 16 & 17
Land rolling 2d rate

T. 16. S. R. 64. W

N. between Sec 8 & 9
Va 14° 30' E

40.00 Set Stone 17×16×6 fr 1/4 Cu
80.00 Set granite Sr. 20×10×6
for Cu to Sec 4. 5. 8 & 9
Land rolling 2d rate
Veg. Prairie & Brush grass

E. on a random line
between Sec 4 & 9
Va 14° 45' E

40.00 Set temporary 1/4 Cu
80.04 Intersect N & S. line 17 lks
N. of Cu. from which Cu Tree
N. 89° 53' W.
on a true line
40.02 Set Stone 22×12×8 fr 1/4 Cu
80.04 The Cu to Sec 4. 5. 8 & 9
Land rolling 2d rate

T. 16. S. R. 64. W

N. on a true line
between Sec 4 & 5
Va 14° 30' E

40.00 Set Stone 16×8×8 fr 1/4 Cu
81.58 Intersect N. line or 3d
Correction line S. 78 lks
W. of Stand. Cu & set
Stone 30×18×4 for Cu
Land rolling 2d rate
Veg. Brush & Prairie grass
Sept 4, 1871

N. between Sec 31, 32
Va 14° 30' E

40.00 Set Stone 16×11×5 fr 1/4 Cu
80.00 Set Stone 20×12×10 for Cu
to Sec 29. 30. 31, 32
Land rolling 2d rate
Veg Brush grass

T. 16. S. R. 64 W

E. on a random line
between Sec 29, 32
Va 14° 45' E

40.00 Set temporary 1/4 Cor
80.00 Intersect N & S. line 7 lks S
of Cor. from which Cor Tree
S. 89° 57' W
on a true line
40.05 Set post in mound fr 1/4 Cor
80.00 The Cor to Sec 29. 30. 31, 32
Land rolling 2d rate

W. on a random line
between Sec 30, 31
Va 14° 45' E

6.00 Ravine Course S. W
40.00 Set temporary 1/4 Cor
78.80 Intersect W. line of Tp
19 lks S. of Cor.
from which Cor Tree
S. 89° 52' E

T. 16. S. R. 64 W

on a true line
38.80 Set Stone 16×12×10 fr 1/4 Cor
78.80 The Cor to Sec 29. 30. 31, 32
Land rolling 2d rate
Veg Brush & Fraxinus

N. between Sec 29, 30
Va 14° 30' E

25.00 Ravine S. W
32.00 do S. E
37.50 do W
40.00 Set Stone 20×12×4 fr 1/4 Cor
80.00 Set Stone 22×10×4 fr
Cor to Sec 19. 20. 29, 30
Land broken 2d rate

E. on a random line
between Sec 20 & 29
Va 14° 45' E

11.00 Ravine Course S
40.00 Set temporary 1/4 Cor

T. 16. S. R. 64. W

W. on a random line
between Sec 18 & 19
Va 14° 45' E

40.00 Set temporary 1/4 Cor
79.31 Intersect W. line of Tp.
3 lks S. of Cor
from which Cor Trees
S. 89° 59' E
on a true line
39.31 Set port in mound fri 1/4 Cor
79.31 The Cor to Sec 17.18.19.20
Land rolling 2d rate
Sept 5. 1871

N. between Sec 17.18
Va 14° 30' E

40.00 Set Stone 20 x 20 x 12 fri 1/4 Cor
80.00 Set Stone 20 x 12 x 12 for Cor
to Sec 7.8.17.18
Veg. Prairie & Bunch grass

T. 16. S. R. 64. W

E. on a random line
between Sec 8 & 17
Va 14° 45' E

7.80 Ravine Course S.
40.00 Set temporary 1/4 Cor
79.92 Intersect N & S. line 7 lks S.
of Cor. from which Cor Trees
S. 89° 57' W
on a true line
39.96 Set port in mound fri 1/4 Cor
79.92 The Cor to Sec 7.8.17.18
Land rolling 2d rate

W. on a random line
between Sec 7.18
Va 14° 45' E

40.00 Set temporary 1/4 Cor
79.46 Intersect W. line of Tp
23 lks. S. of Cor
from which Cor. Trees
S. 89° 50' E.

T. 16. S. R. 64. W

on a true line
39.46 Set post in mound for 1/4 Cor
79.46 The Cor. to Sec 7.8.17.18
Land rolling 2d rate

N. between Sec 7.8
Va 14° 30' E
40.00 Set Stone 19×16×5 for 1/4 Cor
80.00 Set Stone 18×6×6 for Cor
to Sec 5.6.7.8
Land rolling 2d rate

E. on a random line
between Sec 5 & 8
Va 14° 45' E
18.00 Ravine S.
40.00 Set temporary 1/4 Cor
79.83 Intersect N & S. line 5 lks
S. of Cor.
from which Cor Tree
S. 89° 58' W

T. 16. S. R. 64. W

on a true line
39.91 Set Stone 15×13×4 for 1/4 Sec Cor
79.83 The Cor to Sec 5.6.7.8
Land rolling 2d rate

W. on a random line
between Sec 6 & 7
Va 14° 45' E
40.00 Set temporary 1/4 Cor
79.58 Intersect W. line of Tp. 32
lks S. of Cor.
from which Cor Tree
S. 89° 46' E
on a true line
39.58 Set post in mound for 1/4 Sec Cor
79.58 The Cor to Sec 5.6.7.8
Land rolling 2d rate
Veg. Buffalo
Prairie grass

T. 16. S. R. 64. W

N. between Co 5 & 6
Va 14° 30' E

40.00 Set post in mound fr. 1/4 Co
81.66 Intersect 3d Correction
Line S. 46 lks. W. of
Stand. Cor. and set
Stone 23 x 18 x 3 for
Closing Cor.
Land rolling 2d rate
Veg. Brush & Buffalo
grass, green wood
& Sage brush
Soil Sandy
Sep. 6. 1871

H

T. 16. S. R. 64. W

General Description

The surface of this Tp
is rolling & broken.
Soil 2d & 3d rate
The grass is good,
but little water is
to be found

T. 11. S. R. 64. W

General Description

The surface of this Tp is rolling, the Eastern portion being somewhat broken by ravines.

The grass is good. but there is no water

We hereby certify that we assisted William A. Christian deputy surveyor in surveying the Subdivisional lines of Tps. 13. 14 & 15. S. Rs 63 & 64 W. Tps 12. & 16. S. R. 63. W. Tp 16 & 17 S. R. 64 T. 12 S. R. 62. Tp 11. S. Rs 60 & 61. W

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

T. J. Howard } Chainman
Manuel Vijil }
T. Mario Montano } Chainman
Vicente Cuno } Flagman

Subscribed and Sworn to by the above named persons before me a Justice of the Peace for the county of Pueblo in the Territory of Colorado this 14th day of Oct 1871

C M Hepburn
Probate Judge & ex officio J.P.

I William A. Christian deputy surveyor do solemnly swear that in pursuance of a contract with H. K. Lessig Surveyor of the Public lands of the United States in the Territory of Colorado bearing date the 14th day of June 71 and in strict conformity to the laws of the United States and the instructions furnished by the said Surveyor General I have faithfully surveyed the subdivisional lines of Tps. 13.14.15. S. Rs 63.64. W. Tp 12.16 S. R. 63 W Tp 16-17. R. 64 W Tp. 12 S. R. 62 W Tp 11. S. Rs 60.61 W in the Territory aforesaid and do further solemnly swear that the foregoing are true and original notes of such survey.

Subscribed by the said Mile
A. Christian deputy surveyor and
sworn to before me a Justice of
the Peace for the County of Pueblo
in the Territory of Colorado
the 14th day of Oct 1871

G W Hepburn [illegible]
Probate Judge & Ex officio J P

[illegible]

Surveyor General's Office
Denver Dec 23. 1871

The foregoing field notes of Survey of Sub. Lines of Tp. 13. 14. 15. S. R. 63. 64. W Tp. 12. 16. S. R. 63. W. Tp. 16 & 17. S. R. 64. W. Tp. 12. S. R. 62. W & Tp. 11. S. Rs 60 & 61. W. Executed by Wm A. Christian Dep Sur. under his contract of June 14. 1871 having been critically examined the necessary corrections & explanations made, the said field notes & the surveys they describe are hereby approved

Surveyor General
Colorado

E 32
S- 15
W 32

Book 8

Field Notes
of Survey of Exterior Lines
of Tp. 11. S. Rs 57.58.59.60.61.
of Tp's 12.13.14 & 15. S. Ranges
57.58.59.60.61 & 62. of Tp's
16 & 17. S. Rs 59.60.61.62.
63 & 64. of Tp. 18 & 19. S. Rs
59.60.61.62.63. Tp. 20
S. Rs 59.60.61. W.
of the 6th Prin. Mer. in Col. Ter.
by Jacob. H. Martz
Asp. Surveyor
under Contract of June 14. 1871
Survey begun July 2. 1871
Completed Sep 19. 1871

W. boundary T. 17 S. R. 63 W.

N. between Sec. 7 & 12

Va 14° 30' E

40.00 Set post in mound with chained
State for 1/4 Sec Cor

80.00 Set post in mound with chained
State for Cor. to Sec. 1. 6. 7 & 12
Land rolling 2d rate

N. between Sec 1 & 6

Va 14° 30' E

40.00 Set post in mound with chained
State for 1/4 Sec Cor

80.00 Set post in mound with chained
State for Cor. to Tps 16 & 17 S.
Rs 63 & 64 W.
Land rolling 2d rate
A few cottonwoods on Creek
Veg. Sage, green wood,
prairie & Sand grass
July 5, 1871

N. boundary T. 17 S. R. 64 W.
From last named Cor. Trav.
W. on a random line
along the N. boundary of Tp.
17 S. R. 64 W.

Va 14° 45' E

Setting temporary mile &
half mile posts and at
5 Mile 78 lks. 5 lks intersect
8th Guide Meridian 116 lks
N. of Standard Cor.
therefore my correction will
be 19 lks S. per mile
From this Cor. Trav.
E. on a true line
between Sec 6 & 31

Va. 14° 53' E

38.05 Set post in mound with chained
State for 1/4 Sec Cor

78.05 Set [illegible]
State for Cor. to Sec 5. 6. 31 & 32
Land rolling 1st rate grazing

N. boundary T. 17 S. R. 64 W

E. between Sec 5 & 32
Va 14°53' E

40.00 Set post in mound with chained state for 1/4 Sec Cor

80.00 Set Sandstone 8 x 16 x 7 State for Cor. to Sec 4. 5. 32 & 33
Land rolling 2d rate

E. between Sec 4 & 33
Va 14°53' E

40.00 Set post in mound with chained state for 1/4 Sec Cor

80.00 Set Sandstone 20 x 8 x 8 for Cor. to Sec 3. 4. 33 & 34
Land hilly 2d rate
Good grass

E. between Sec 3 & 34
Va 14°53' E

40.00 Set post in mound with chained state for 1/4 Sec Cor

N. boundary T. 17. S. R. 64 W

80.00 Set Stone 17 x 16 x 12 for Cor to Sec 2. 3. 34 & 35
Land rolling 2d rate

E. between Sec 2 & 35
Va 14°53' E

40.00 Set post in mound with chained state for 1/4 Sec Cor

80.00 Set Sandstone 30 x 12 x 10 for Cor. to Sec 1. 2. 35 & 36
Land rolling 2d rate

E. between Sec 1 & 36
Va 14°53' E

24.00 Dry creek. Course S. 15° E

40.00 Set post in mound with chained state for 1/4 Sec Cor

80.00 The Cor. to Tps. 16 & 17. S. Rs 63 & 64. W.
Land hilly sandy 2d rate
July 6. 1871

W. boundary Tp. 16. S. R. 63. W

Town Cor. to Tps 16 & 17. S.
Rs 63 & 64. W. Town
N. between Sec 31 & 36
Va 14°45' E

40.00 Set post in mound with
charred stake for 1/4 Sec Cor
80.00 Set stone 18 x 6 x 6 for Cor. to
Sec 25. 30. 31 & 36
Land hilly 3rd rate

N. between Sec 25 & 30
Va 14°45' E

40.00 Set post in mound with
charred stake for 1/4 Sec Cor
80.00 Set granite st. 17 x 16 x 5 for
Cor. to Sec 19. 24. 25 & 30
Land rolling 2d rate

N. between Sec 19 & 24
Va 14°45' E

40.00 Set post in mound with

W. boundary T. 16. S. R. 63. W

charred stake for 1/4 Sec Cor
80.00 Set granite st. 16 x 15 x 5 for
Cor. to Sec 13. 18. 19. 24
Land hilly, sandy. 2d rate
Veg. prairie & sand grass

N. between Sec 13 & 18
Va 14°45' E

40.00 Set post in mound with
charred stake for 1/4 Sec Cor
80.00 Set stone 15 x 14 x 7 for Cor
to Sec 7. 12. 13 & 18
Land rolling 2d rate

N. between Sec 7 & 12
Va 14°45' E

12.00 Dry Creek. Course S. W.
40.00 Set post in mound with charred
stake for 1/4 Sec Cor
80.00 Set stone 17 x 14 x 4 for Cor
to Sec 1. 6. 7 & 12

W. boundary T. 16. S. R. 63 W.

N. between Sec 1 & 6

Va 14°45' E

40.00 Set post in mound with chaud
Stake for 1/4 Sec Cor

45.10 Dry Creek. Course S.E.

79.98 Intersect 3d Correction Line
S. 90 lks. W. of Stand. Cor
and set Granite St. 30 x
24 x 8 for Closing Cor. to
Tp. 16. S. Rs 63 & 64 W.
Land broken 3d rate
Veg. Grain & Sand grass
Soap weed cactus & Sage
July 7. 1873

Having established the Cor
to Tps 16 & 17. S. Rs 63 & 64
W. I return to temporary
Cor. on random line between
Tp. 16 & 17. S. R. 63. W. and
continue West.

N. boundary T. 17. S. R. 63 W.

and at 6 miles 2 Ch. 80 lks
intersect W. line of Tp.
108 lks N. of Cor. therefore
my correction will be
18 lks. S. for mile
From this Cor. I run
E. on a true line
between Sec 6 & 31

Va 14°53' E

42.80 Set Stone 16 x 12 x 4 for 1/4 Sec Cor

82.80 Set Sandstone 17 x 11 x 6 for Cor
to Sec 5. 6. 31 & 32
Land rolling 2d rate
Veg. Grain & Sand grass

E. between Sec 5 & 32

Va 14°53' E

40.00 Set Stone 16 x 14 x 4 for 1/4 Sec Cor

80.00 Set granite St. 20 x 12 x 4 for
Cor. to Sec 4. 5. 32 & 33
Land rolling 2d rate

We hereby certify that we assisted Jacob A. Mattz deputy Surveyor in surveyor the exterior lines of Tps 11. S. Rs 57. 58. 59. 60 & 61. W Tps 12. 13. 14 & 15. S. Rs 57. 58. 59 60. 61. 62. W. Tps 16 & 17. S. Rs 59. 60. 61 62. 63 & 64. W Tps 18 & 19. S. Rs 59 60. 61. 62. 63 and Tp 20. S. Rs 59. 60. 61. W. of the 6th Prin Mer in Col. Ter and that said Tps. have been in all respects to the best of our knowledge and belief well and faithfully surveyed. and the boundary monuments planted according to the instructions furnished by the Surveyor General.

George Chalton } Chainman
John Laolett }
James Duckett } Commissioner
Co Carl Beckmann } Flagman

260A

Subscribed and sworn to by the above named persons before me this 19th day of Sept. 1871

Orson Brooks Teal
United States Comr

260B

I, Jacob H. Martz, dep. Surveyor do solemnly swear that in pursuance of a contract with Wm H. Lewis Surveyor of the Public lands of the U.S. in the Ter. of Colorado, I have faithfully surveyed the exterior lines of Tps 11. S. Rs 57. 58. 59. 60. 61 of Tps 12. 13. 14 & 15. S. Rs 57. 58. 59. 60. 61. 62 Tps 16 & 17. S. Rs 59. 60. 61. 62. 63 & 64 Tps 18 & 19. S. Rs 59. 60. 61. 62 & 63. & Tp 20. S. Rs 59. 60 & 61. W. of the 6th Prin Mer. in the Ter of Colorado, said contract bearing date June 14, 1871, and said survey being in strict conformity to the laws of the United States and the instructions of the Surveyor General. and I further solemnly swear that the foregoing are the true & original field notes of such survey

Jacob H Martz
Deputy Surveyor

260 C

Subscribed by said Jacob H Martz Deputy Surveyor. and sworn to before me this 19th day of Sept 1871

Orson Brooks Seal
United States Com

260 D

Surveyor Generals Office
Denver C. T. Oct 21. 1871

The foregoing field notes of Survey of Tp. lines of Tps. 11. S. Rs 57. 58. 59. 60. & 61 W. of Tps 12. 13. 14. 15. S. Rs 57. 58. 59. 60. 61. & 62. W. of Tps 16 & 17. S. Rs 59. 60. 61. & 62. 63. & 64 W. of Tps 18 & 19. S. Rs 59. 60. 61. 62. & 63. W. of Tps 20. S. Rs 59. 60. & 61 W. of the 6th Prin. Mer. in Colorado Ter. executed by J. H. Martz. dep. Sur. under his contract of June 14. 1871. having been critically examined the necessary corrections & explanations made. the said field notes

and the surveys they describe are hereby approved

Surveyor General
of Colorado

A
FIELD NOTES

OF THE ~~SURVEY OF THE~~

DEPENDENT RESURVEY OF THE SOUTH, EAST AND WEST BOUNDARIES OF TOWNSHIPS NOS. 16 AND 17 SOUTH, RANGE NO. 63 WEST

Of the 6th Principal *Meridian,*

In the State of Colorado.

EXECUTED BY

W. G. Shapcott, U. S. Surveyor.

In the capacity of U. S. Surveyor, under instructions dated October 26, *1914, issued by the United States Surveyor General to govern surveys included in Group No.* 47, *which were approved by the Commissioner of the General Land Office,* November 5, *1914*

Survey commenced November 18, *1914*

Survey completed December 17, *1914*

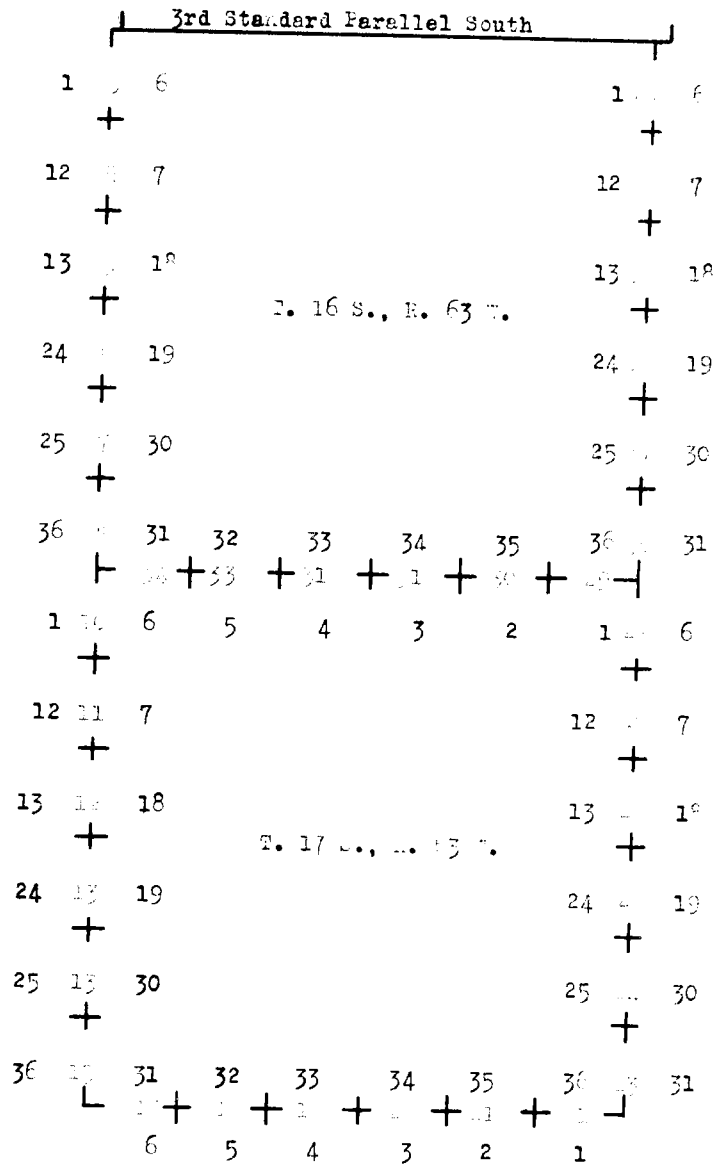
INDEX DIAGRAM.

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

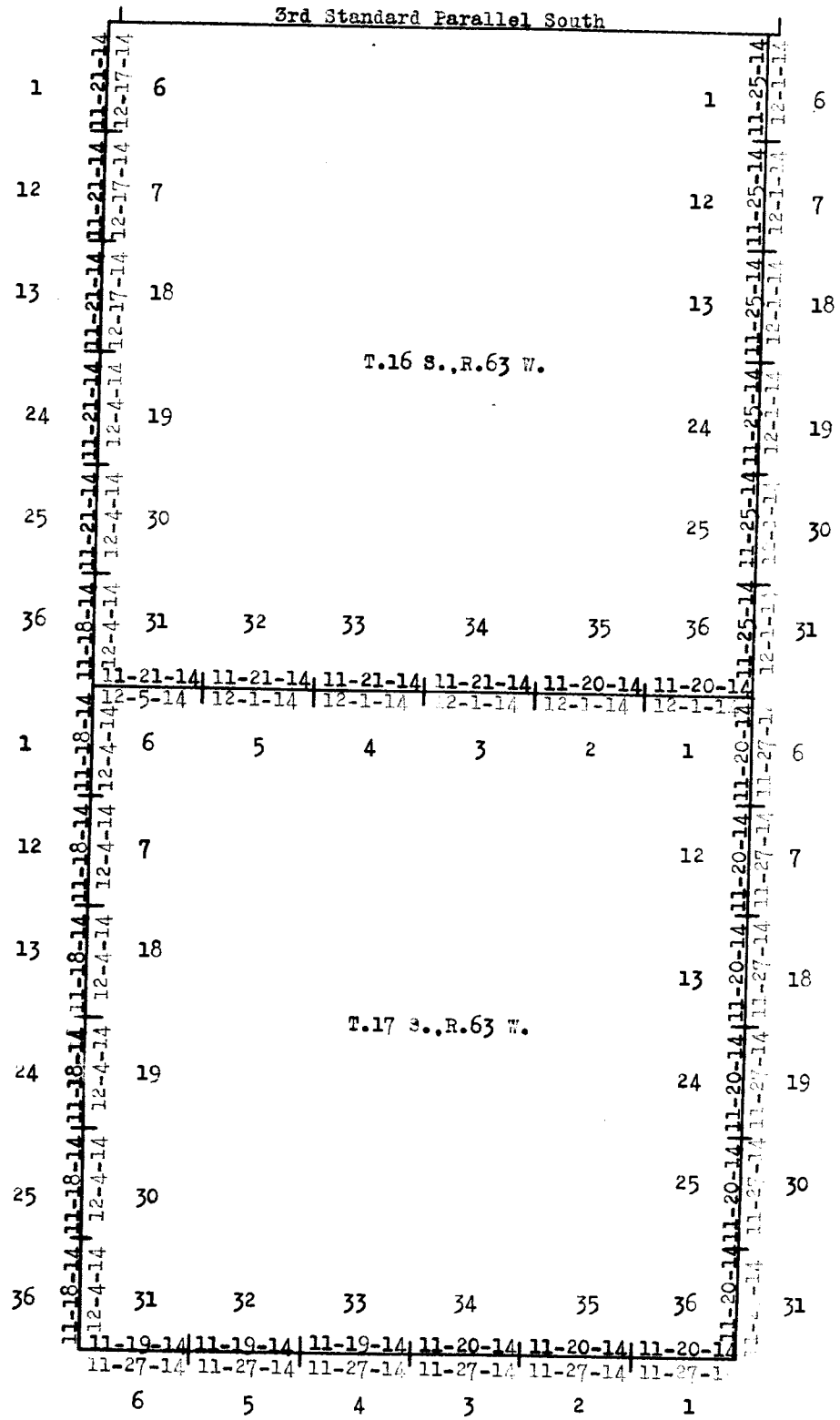
6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

INDEX DIAGRAM

EXTERIOR LINES, GROUP 47.



DATE REPORT
OF
EXTERIORS GP.47



Dates of retracement shown in black.
Dates of monumenting shown in red.

RECEIVED S.G.O.
APR 16-1915
Denver, Colo.

Dependent Resurvey of the W. Bdy. of T.16 S., R. 63 W.

Survey commenced Nov. 18, 1914 and executed with a Young and Sons light mountain transit No.8671, fitted with a Smith solar attachment and full vertical circle. The horizontal limb is provided with double verniers; the vertical circle reading to single minutes of arc, which is also the least count of the lat. and decl. arcs.

Test of Instrument.

The instrument was examined, tested on the true meridian at the Railroad Building, Denver, Colo., found correct and approved by Mr. Frank M. Johnson, Supervisor of Surveys, in assignment instructions dated Nov. 12, 1914, conditional upon satisfactory field tests, a record of which is given below.

Observation and Alinement.

I first examine the adjustments of the instrument and correct all errors of level and collimation. Then to test the solar apparatus, I compare its indications, resulting from observations made during a.m. and p.m. hours, with a meridian determined by obsn. on Polaris.

My watch was set by telegraphic time on Nov. 17, 1914 at Fountain, Colo., adjusted to local mean time and compared once each week thereafter.

Nov. 21, 1914: at my camp in the SE. ¼ sec. 6, T.17 S. R. 63 W. Lat. 38° 36' N. Long. 104° 29' W.

At 3h 00m p.m., app.t., I set off 38° 36' N. on the lat. arc; 19° 51' S. on the decl. arc and determine a meridian with the solar and mark its position on a wooden stake firmly set in the ground about 5 chs. N. of my station.

At 7h 56.5m p.m., l.m.t., I make an hour angle obsn. of Polaris E. of the meridian and mark the position of the line thus determined by a tack driven in a stake firmly set in the ground about 5 chs. N. of my station.

Time of obsn.	7h 56.5m
Time U.C. Polaris	9h 29.6m
Time argument	1h 33.1m

Azimuth of Polaris at time of obsn. = 0° 35' E.

Nov. 22, 1914: At 8h 00m a.m., l.m.t., I lay off the azimuth of Polaris, 0° 35' to the W. and mark the true meridian thus determined by a tack driven in the stake already set N. of my station. This point falls 0.9 ins. E. of the point defined by my p.m. solar observations of Nov. 21, 1914.

At 9h 00m a.m., app.t., I set off 38° 36' N. on the lat. arc; 20° 01' S.on the decl. arc and determine a meridian with the solar; the line thus defined falls 0.9 ins. E. of the meridian determined by the Polaris obsn.

The solar apparatus by p.m. and a.m. obsns. defines positions for meridians about 0' 47" W. and E. of the true meridian, I therefore conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian is N.13° 12' W. making the mag. decl. 13° 12' E.

Measurement.

All measurements are made with a Lallie steel tape 5 chs. in length, which is compared at frequent intervals with a Lufkin steel tape kept as a standard and used for no other purpose. Clinometers are used to determine the slope angles and all measurements are reduced to true horizontal distances, which alone appear in these notes. No stadia measurements were made.

From old cor. of secs. 25, 30, 31 and 36 of Tps. 16 S., Rs. 63 and 64 W., I run
South, retracing the line bet. secs. 31 and 36.
40.00 Find no trace of old ¼ sec. cor., set temp. cor.
80.00 Find no trace of old cor. of Tps. 16 and 17 S., Rs. 63 and 64 W., set temp. cor.

I continue
South, retracing the line bet. secs. 1, and 6, 7 and 12, 13 and 18, 19 and 24, 25 and 30 and 31 and 36 on W. bdy. T. 17 S., R. 63 W.
Find no trace of old cors., set temp.cors at intervals of 40 chs.
480.00 Find no trace of old cor. of Tps. 17 and 18 S., Rs. 63 and 64 W.; set temp. cor.

I continue
South,retracing the line bet. secs. 1 and 6 on the W. bdy. T. 18 S., R. 63 W.
40.00 Find no trace of old ¼ sec. cor., set temp. cor.
79.04 Fall 32 lks. W. of the identified position of old cor.of

secs. 1, 6, 7 and 12.

Note: The temporary cors. of Tps. 16 and 17 S., Rs. 63 and 64 W., and temp. cor. of Tps. 17 and 18 S., Rs. 63 and 64 W. were adjusted to their proportionate meridional positions.

From the identified position of old cor. of secs. 1, 2, 35 and 36, Tps. 17 and 18 S., R. 64 W., I run
East, retracing the line bet. secs. 1 and 36, on S. bdy. T. 17 S., R. 64 W.
40.00 Find no trace of old ¼ sec. cor.; set temp. cor.
81.94 Fall 4 lks. N. of adjusted temp. cor. of Tps. 17 and 18 S., Rs. 63 and 64 W.

I continue
East, retracing the line bet. secs. 6 and 31, on S. bdy. T. 17 S., R. 63 W.
43.10 Find no trace of old ¼ sec. cor., set temp. cor.
83.10 Find no trace of old cor. of secs. 5, 6, 31 and 32, set temp. cor.

I continue
East, retracing the line bet. secs. 5 and 32, 4 and 33, 3 and 34, 2 and 35 and 1 and 36.
Find no trace of old cors., set temp. cors. at intervals of 40 chs.
404.18 Fall 3.61 chs. S. of identified position of old cor. of Tps. 17 and 18 S., Rs. 62 and 63 W.

From old cor. of secs. 5, 6, 31 and 32, Tps. 16 and 17 S. R. 63 W., I run
West, retracing the line bet. secs. 6 and 31, on S. bdy. T. 16 S., R. 63 W.
40.00 Find no trace of old ¼ sec. cor., set temp. cor.
82.84 Fall 94 lks. N. of adjusted temp. cor. of Tps. 16 and 17 S., Rs. 63 and 64 W.

I continue
West, retracing the line bet. secs. 1 and 36 on S. bdy. T. 16 S., R. 64 W.
40.00 Find no trace of old ¼ sec. cor.
80.19 Fall 1.74 chs. N. of old cor. of secs. 1, 2, 35 and 36.

From the old cor. of secs. 25, 30, 31 and 36, Tps. 16 S., Rs. 63 and 64 W., I run
North, retracing the line bet. secs. 25 and 30 and 19 and 24.
Find no trace of old cors., set temp. cors. at intervals of 40 chs.
159.60 Fall 2.27 chs. W. of old cor. of secs. 13, 18, 19 and 24.

I continue
North, retracing the line bet. secs. 13 and 18, 7 and 12 and 1 and 6.
Find no trace of old cors.; set temp.cors. at intervals of 40 chs.
239.71 Fall 7.64 chs. W. of identified position of old closing cor. of Tps. 16 S., Rs. 63 and 64 W.

I begin at the true position of closing cor. of Tps. 16 S., Rs. 63 and 64 W., as identified by old residents of this vicinity.

At this point

Set an iron post 3 ft.long, 3 ins.diam.

24 ins.in the ground for closing cor.

of Tps. 16 S., Rs.63 and 64 W. with

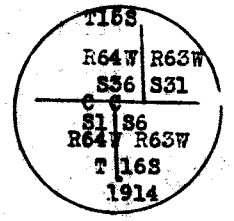
brass cap mkd.

dig pits 30 x 24 x 12 ins.crosswise

on each line E. and W.of 4 ft. and S.

of post 8 ft. dist., raise a mound of

earth 5 ft. base 2½ ft. high S.of cor.



The restored Standard cor. of Tps. 15 S., Rs. 63 and 64 W., previously described in Book "AA" bears East 90 lks. dist.

Thence I run

S. 1° 17' W. on a true line bet. secs. 1 and 6.

Over very gently rolling grassy prairie land; along fence to E.

31.20 Left bank Chico Creek, 25 ft. high bears NW. and SE.

Thence across dry bed of creek, course SE.

31.87 Right bank of Chico Creek, 30 ft. high bears NW. and SE.

39.95 The proportionate point for ¼ sec. cor.

Set an iron post 3 ft. long 1 in.

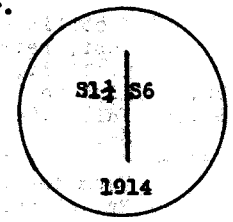
diam. 26 ins. in the ground for

¼ sec. cor. with brass cap mkd.

dig pits 18 x 18 x 12 ins. N.

and S. of post, 3 ft. dist.;

raise a mound of earth, 3½ ft. base 1½ ft. high W. of cor.



79.91 The proportionate point for cor. of secs. 1, 6, 7 and 12.

Set an iron post 3 ft.long 3 ins.diam.

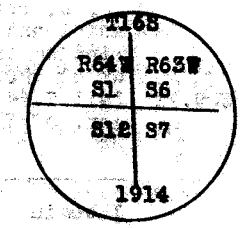
24 ins.in the ground for cor.of secs.

1, 6, 7 and 12, with brass cap mkd.

dig pits 18 x 18 x 12 ins.in each

sec. 5½ ft. dist., raise a mound of

earth 4 ft. base, 2 ft. high W. of cor.



Land, very gently rolling prairie.

Soil, light sandy loam, coarse texture on gravelly subsoil.

Vegetation, bunch and grama grasses, affording good pasturage over entire mile.

S. 1° 17' W. on a true line bet. secs. 7 and 12.

Over very gently rolling prairie.

Along fence to E.

39.96 The proportionate point for ¼ sec. cor.

Set an iron post 3 ft.long 1 in.

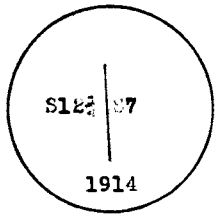
diam. 26 ins. in the ground for ¼

sec.cor. with brass cap mkd.

dig pits 18 x 18 x 12 ins. N. and

S. of post 3 ft.dist.;raise a mound

of earth 3½ ft. base 1½ ft. high W.of cor.



66.80 Right bank of Chico Creek, 25 ft. high bears E. and W.

Thence along dry bed of creek, course W.

67.20 Left bank of Chico Creek, 25 ft. high bears E. and W.

78.81 Fence bears E. and W.; cor. to E. about 3.20 chs. dist.

Thence along fence to W.,80 lks. dist.

79.93 The proportionate point for cor. of secs. 7, 12, 13 and 18.

Set an iron post 3 ft.long 3 ins.diam.

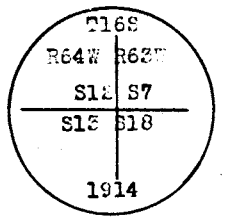
24 ins.in the ground for cor.of secs.

7, 12, 13 and 18 with brass cap mkd.

dig pits 18 x 18 x 12 ins.in each sec.

5½ ft. dist.;raise a mound of earth

4 ft. base, 2 ft.high W. of cor.



Land, very gently rolling prairie.

Soil, light fairly rich sandy loam, coarse texture on gravelly subsoil.

Vegetation, bunch, grama and buffalo grasses.

Land suitable for grazing or dry farming.

S. 1° 17' W. on a true line bet. secs. 13 and 18.

Over gently sloping grassy prairie land; along fence to W. which approaches line.

Chains Dependent Resurvey of the W. Bdy. of T. 16 S., R.63 W.

25.10 Road bears NE. and SW.

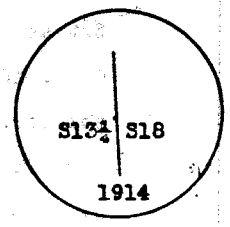
26.66 Road bears E. and W.

33.60 Branch fence turns W. from fence to W.; continue along fence about 40 lks. to W.

39.20 Fence bears E. and W.; continue along fence about 40 lks. to W.

39.96 The proportionate point for ¼ sec. cor.

Set an iron post 3 ft.long 1 in.diam. 26 ins.in the ground for ¼ sec.cor. with brass cap mkd. dig pits 18 x 18 x 12 ins. N.and S. of post 3 ft.dist.;raise a mound of earth 3½ ft. base 1½ ft. high W. of cor.

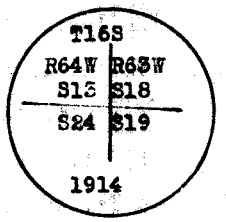


59.90 Branch fence turns W. from fence to W.; continue along fence about 15 lks. to W.

79.39 Fence cor. on line, fences run N. and E.

79.93 The old cor. of secs. 13, 18, 19 and 24, which is a sand stone 14 x 3 x 8 ins. above ground, firmly set and mkd. as described by the Surveyor General; no evidence of pits or mound of earth. In place thereof

Set an iron post 3 ft.long 3 ins.diam. 24 ins.in the ground for cor.of secs. 13, 18, 19 and 24 with brass cap mkd. dig pits 18 x 18 x 12 ins.in each sec.,5½ ft. dist.;raise a mound of earth 4 ft. base 2 ft. high W. of cor.



Land, very gently sloping prairie land.

Soil, light good sandy loam, coarse texture on gravelly subsoil.

Vegetation, buffalo,bunch and grama grasses in abundance.

Land, suitable for grazing and dry farming.

S. 0° 49' W. on a true line bet. secs. 19 and 24.

Over level grassy prairie land.

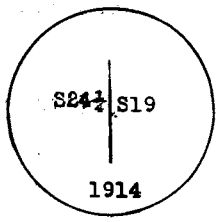
0.10 Road bears E. and W.

0.25 Along fence to E. which gradually approaches line.

Chains Dependent Resurvey of the W. Bdy. of T. 16 S., R. 63 W.

39.90 The proportionate point for ¼ sec. cor.

Set an iron post 3 ft. long 1 in. diam. 26 ins.in the ground for ¼ sec.cor. with brass cap mkd. dig pits 18 x 18 x 12 ins. N.and S.of post 3 ft. dist., and raise a mound of earth 3½ ft.base, 1½ ft. high W. of cor.



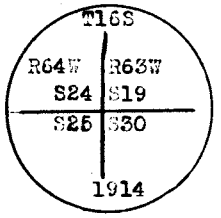
54.60 Branch fence turns E. from fence to E., continue along fence to E.,about 1.00 ch. dist.

79.31 Fence cor. to E.; fences bear E., N. and S.

79.50 Road bears NW. and E.

79.81 The proportionate point for cor. of secs. 19, 24, 25 and 30.

Set an iron post 3 ft. long 3 ins.diam. 24 ins.in the ground for cor.of secs. 19, 24, 25 and 30 with brass cap mkd. dig pits 18 x 18 x 12 ins.in each sec. 5½ ft. dist.;raise a mound of earth 4 ft. base, 2 ft. high W. of cor.



Land, level prairie.

Soil, light loam mixed with sand and clay, fairly rich.

Vegetation, bunch, grama and buffalo grasses.

Land suitable for either grazing or dry farming.

S. 0° 49' W. on a true line bet. secs. 25 and 30.

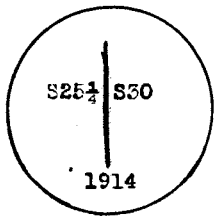
Over level prairie land.

0.85 Along fence to E.

33.00 House bears E. about 2.50 chs. dist.

39.90 The proportionate point for ¼ sec. cor.

Set an iron post 3 ft.long 1 in. diam. 26 ins.in the ground for ¼ sec.cor. with brass cap mkd. dig pits 18 x 18 x 12 ins. N. and S. of post 3 ft. dist.;raise a mound of earth 3½ ft. base, 1½ ft. high W. of cor.

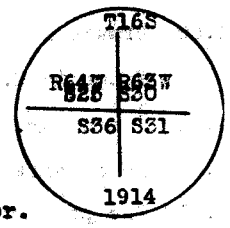


Chains Dependent Resurvey of the W. Bdy. of T. 16 S., R. 63 W.

54.80 Fence bears E. and W.; continue along fence to E. about 1 ch. dist.

79.70 Road bears NW. and E.

79.81 The old cor. of secs. 25, 30, 31 and 36 which is a sand stone 12 x 10 x 2 ins. lying on the ground, mkd. as described by the Surveyor General. In place thereof Set an iron post 3 ft. long 3 ins. diam. 24 ins. in the ground for cor. of secs. 25, 30, 31 and 36 with brass cap mkd. dig pits 18 x 18 x 12 ins. in each sec.; 5½ ft. dist.; raise a mound of earth 4 ft. base 2 ft. high W. of cor.



Land, level prairie.

Soil, light rich clay loam, fine texture on sandy subsoil.

Vegetation, grama, buffalo and bunch grasses.

Undergrowth, scattered clumps of small bush cactus.

Land suitable for either grazing or dry farming.

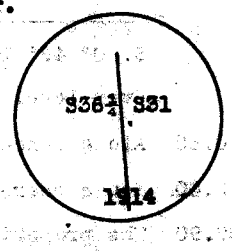
S. 0° 03' W. on a true line bet. secs. 31 and 36.

Over very gently sloping prairie land; along fence to E.

4.00 E. T. Rambo's house bears E. about 4 chs. dist.

38.98 Branch fence turns E. from fence to E.; continue along fence about 45 lks. to E.

39.94 The proportionate point for ¼ sec. cor. Set an iron post 3 ft. long 1 in. diam. 26 ins. in the ground for ¼ sec. cor. with brass cap mkd. dig pits 18 x 18 x 12 ins. N. and S. of post, 3 ft. dist.; raise a mound of earth, 3½ ft. base, 1½ ft. high W. of cor.

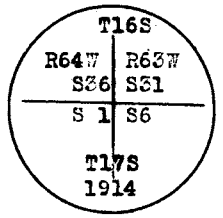


58.43 Fence bears N. 1° E. and S. 1° W.; thence along fence to W.

77.82 Fence bears E. and W.; continue along fence about 25 lks. to W.

Chains Dependent Resurvey of the W. Bdy. of T. 16 S., R. 63 W.

79.88 The proportionate point for cor. of Tps. 16 and 17 S., Rs. 63 and 64 W. Set an iron post 3 ft. long 3 ins. diam., 24 ins. in the ground for cor. of Tps. 16 and 17 S., Rs. 63 and 64 W. with brass cap mkd. dig pits 24 x 24 x 12 ins. on each line, N., E. and W., 4 ft. and S. of post 8 ft. dist.; raise a mound of earth 5 ft. base, 2½ ft. high S. of cor.



The old cor. of secs. 1, 2, 35 and 36, Tps. 16 and 17 S., R. 64 W., which is a sandstone 3 x 5 x 8 ins. above ground firmly set and mkd. with 5 grooves on W. and 1 groove on E. face, bears S. 89° 26' W. 80.11 chs. dist.

Land, very gently sloping prairie.

Soil, light rich sandy and clay loam on sandy subsoil.

Vegetation, grama and buffalo grass.

Land suitable for either grazing or dry farming.

Survey completed Dec. 17, 1914.

Note: For dates of survey, see Date Report Page 1A.

Dependent Resurvey of E. Bdy. of T. 16 S., R. 63 W.

Table of Latitudes and Departures, T. 16 S., R. 63 W.

Line Designated	True Bearing	Dist.	Latitudes N.	Latitudes S.	Departures E.	Departures W.
West Bdy.						
W.bdy.Sec. 31	N. 0°03'E.	79.88	79.88		0.07	
W.bdy.Sec. 30	N. 0°49'E.	79.81	79.80		1.14	
W.bdy.Sec. 19	N. 0°49'E.	79.81	79.80		1.14	
W.bdy.Sec. 18	N. 1°17'E.	79.93	79.91		1.79	
W.bdy Sec. 7	N. 1°17'E.	79.93	79.91		1.79	
W.bdy. Sec. 6	N. 1°17'E.	79.91	79.89		1.79	
North bdy (3rd St.Par.S.)						
S.bdy.Sec. 36	East	0.90	0.20		0.90	
S.bdy.Sec. 31	N.89°51'E.	80.22	0.20		80.22	
S.bdy.Sec. 32	N.89°51'E	80.22			80.22	
S.bdy.Sec. 33	N.89°51'E.	80.22	0.20		80.22	
S.bdy.Sec. 34	N.89°51'E.	80.22	0.20		80.22	
W½ S.bdy.Sec.35	N.89°52'E	39.73	0.09		39.73	
E½ S.bdy.Sec.35	N.89°56'E.	39.96	0.08		39.96	
E.bdy.Sec. 36	N.89°56'E.	77.12	0.09		77.12	
East Bdy.						
N½ E.bdy.Sec. 1	S. 0°52'E.	36.38		36.38	0.55	
S½ E.bdy.Sec. 1	S. 0°05'E.	39.67		39.67	0.06	
E.bdy.Sec.12	S. 0°05'E.	79.34		79.34	0.12	
E.bdy.Sec.13	S. 0°14'W.	79.50		79.50		0.32
E.bdy.Sec.24	S. 0°34'W.	80.12		80.12		0.79
E.bdy.Sec.25	S. 0°34'W.	80.12		80.12		0.79
E.bdy.Sec.36	S. 0°34'W.	80.12		80.12		0.79
South bdy.						
S.bdy.Sec.36	S.89°43'W.	80.19		0.40		80.19
S.bdy.Sec.35	S.89°43'W.	80.19		0.40		80.19
S.bdy.Sec.34	S.89°04'W.	80.15		1.31		80.14
E½ S.bdy.Sec.33	S.89°06'W.	40.37		0.63		40.37
W½ S.bdy.Sec.33	West	40.18				40.18
S.bdy.Sec.32	S.88°46'W.	80.66		1.74		80.64
S.bdy.Sec.31	S.89°21'W	82.93		0.94		82.92
Convergency					0.58	
Totals			480.22	480.67	487.61	487.32
				480.22	487.32	
			Error in Lat.	0.45	0.29	Error in Dep.

General Description.

For general description of this Tp., see Book C.

U. S. Surveyor.

4—880

CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, W.G.Shapcott, U. S. Surveyor, during the periods and in the capacities stated opposite our several signatures, in re-surveying all those parts or portions of the Boundaries of T. 16 S., R. 63 W. and T. 17 S., R. 63 W.

of the 6th Principal Meridian, in the State of Colorado, which are represented in the foregoing field notes as having been executed 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 executed.

NAME.	PERIOD OF SERVICE. Begun.	PERIOD OF SERVICE. Ended.	CAPACITY.
Rea Fletcher	Nov. 17, 1914.	Dec. 19, 1914.	H. Chainman.
C. E. Shane,	Nov. 17, 1914.	Dec. 18, 1914	R. Chainman.
Harry L. Wilson	Nov. 17, 1914.	Dec. 19, 1914	Flagman.
E. A. Plyley.	Nov. 17, 1914	Dec. 18, 1914.	Cornerman.

Subscribed and certified to before me on the dates of the final service as shown above.

U. S. Surveyor.

FINAL OATH OF UNITED STATES SURVEYOR.

I, W.G. Shapcott, U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Colorado bearing date of the 26th day of October, 1914, I have well, faithfully, and truly, in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the boundaries of T.16 S., R.63 W. and T.17 S., R.63 W.

of the 6th Principal Meridian, in the State of Colorado, which are represented in the foregoing field notes as having been executed 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 U. S. Surveyor General for Colorado and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

W.G. Shapcott
U. S. Surveyor.

Subscribed by said W.G. Shapcott, and sworn to before me this 17th day of December, 1915

SEAL

John B. McGauran
U.S. Surveyor General for Colorado.

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Denver, Colo., Sept. 30, 1916

The foregoing field notes of the ~~surveys~~ Dependent Resurvey of the South, East and West Boundaries of Tps. 16 and 17 South, Range 63 West of the 6th Principal Meridian, Colorado

executed by W.G. Shapcott, U.S. Surveyor under his special instructions dated October 26th, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

John B. McGauran
U. S. Surveyor General.

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

~~U. S. Surveyor General.~~