

BOOK 713

No. 31

Platted, Copied, Compared

Approved by G. L. O.

Oct 8, 1891.

713

4-671

No. 713

FIELD NOTES

GENERAL LAND OFFICE.

Subdivision Lines

T. 7. S. R. 31. E.

Contract No. 18.

Daniel Drummond

Dated May 29, 1891

Survey July 22/25, 1891.

1A

BOOK 713

(4-674.)

Township 7 South R. 31 East.

| | | | | | | |
|----|----|----|----|----|----|-------|
| 6 | 5 | 4 | 3 | 2 | 26 | 1 |
| | | | | | | 24 |
| 7 | 8 | 9 | 10 | 11 | 22 | 12 |
| | | | | | | 20 |
| 18 | 17 | 16 | 15 | 14 | 18 | 13 |
| | | | | 38 | | 16. |
| 19 | 20 | 21 | 22 | 36 | 23 | 14 24 |
| | | | | 34 | | 12 |
| 30 | 29 | 28 | 27 | 32 | 26 | 10 25 |
| | | | | 30 | | 8. |
| 31 | 32 | 33 | 34 | 28 | 35 | 6 36 |

Subdivisions T. 7. S. R. 31. E.

Survey Commenced
July 22 1891. with an
improved W and L. E.
Gurley light mountain
transit. with solar
attachment. —

Preliminary to
commencing the Subdi-
visions of this Township
I go to the Cor. of Tps.
7 and 8 South. R. 31^{and} 32
E. which is a post,
firmly set, and properly
marked, as described
in the field notes fur-
ished me by the Surveyor
General — At this Cor
I verify the adjustments
of my transit and find

Subdivisions T. 7. S. R. 31. E.

them correct.

Latitude $32^{\circ}46'$ North,
Longitude $109^{\circ}4'$ West.

Having set my instrument
over the center of the
township Cor. I direct
the telescope to Polaris
and at $11^{\text{h}} 18^{\text{m}}$ P.M. local
mean time of eastern
elongation, find the
magnetic bearing to be
 $N 110^{\circ} 0' W$
North end of needle $11^{\circ} 0' E$
The Azimuth of Polaris $1^{\circ} 31' E$
The Sun is the Variation $12^{\circ} 31' E$

I now lay off by the
horizontal limb the
azimuth of the Star

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Subdivisions T. 7. S. R. 31. E.

1° 31' to the west. and
for future reference
mark the true Meridian
so determined by driving
a picket on the line
5 chains north of the
township corner.

July 22. 1891

At 7 a.m. on the
morning of July 1891
I set the transit over
the center of the township
Cor. and take a solar
observation to determine
the true meridian.
The meridian I found
by the use of the
solar apparatus

Subdivisions T. 7 S. R. 31 E.

agreeing exactly, with the Meridian marked on the ground, from the observation on Polaris the night previous.

From the S. E. Cor. I run
N. on E bdy Sec. 36
Va. $12^{\circ} 31' E$

At 40.02 chs. find $\frac{1}{4}$ Sec Cor.
1 link E and at

80.06 find the Cor. to Secs.
25th and 36, 2 lks. E. The
bearing of the range line
is north, agreeing with
the notes furnished by
the Surveyor General.
I now return to the
S. E. Cor. of the township

5 Subdivisions T. 6. S. R. 31. E.

Thence I run
West on the S boundary
of Sec. 36.

Va. $12^{\circ}31'E$.

At 40.06 find $\frac{1}{4}$ Sec.
Cor. 1 link North, and
at 80.11 find the Cor.
to Secs. 35 and 36. on line

The true Course of the
South boundary of Sec.
36. is therefore West,
agreeing with the Note
supplied by the
Surveyor General

Subdivisions T. 6. S. R. 31. E.

Chains I Commence at the Cor.
to Secs. 1, 2, 35, and 36,
on the South boundary of
the township, which
is a East firmly set
and properly marked as
described in the field
notes furnished by the
Surveyor general.

Thence I run

$N 0^{\circ} 1' W$ bet. Secs. 35^{and} 36

$Va. 12^{\circ} 31' E$

Ascend

12.10 Enter mesa

20.30 Leave mesa and descend

40.00 Set a granite stone $18 \times 12 \times 8$
ins. 12 ins. in the ground
for $1/4$ Sec Cor. marked $1/4$

7 Subdivisions T. 7. S. R. 31. E.

- Chairs on W face. and raised a mound of stone $1\frac{1}{2}$ ft. high. 2 ft base. alongside
Pits impracticable
- 58.00 Ecuta bottom
- 80.00 Set a granite stone
 $18 \times 12 \times 10$ ins. 12 ins in
the ground. for Cor to
Secs. 25. 26. 35 and 36.
Marked 1 notch on S and E
faces. and raised a mound
of stone $1\frac{1}{2}$ ft high. 2
ft base alongside
Pits impracticable
Land, rolling
Soil sandy 2^d rate
No timber

Subdivisions T. 7 S. R. 31 E.

chain East on a random line
bet. Secs. 25^{and} 36.

Va, $12^{\circ}31' E$

40.00 Set temporary $\frac{1}{4}$ sec. Cor.

80.12 Intersect the East boundary
of the township 10 lks
S of the Cor to Secs.

25, 30, 31^{and} 36. which
is a post, firmly set
and properly marked
as described in the field
notes furnished by the
Surveyor general.

Thence I run

S $89^{\circ}56' W$ on a true line
bet Secs 25^{and} 36.

Va. $12^{\circ}31' E$

8.40 Wash 20 lks wide Course $S W$ ^{used}

12.00 Leave bottom ascend higher

9 Subdivisions T. T. S. R. 31. E.

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- Chairs
 19.20 Top of ridge Course S.W. descend
 21.30 Enter bottom
 40.06 Set a Sandstone 16x8x.5 ins
 11 ins. in the ground, for
 1/4 Sec. Cor. Marked 1/4 on
 N face, and raised a mound
 of Stone 1 1/2 ft high. 2 ft
 base alongside.

Pits impracticable

- 44.00 Leave bottom ascend
 54.90 Top of ridge Course S.W. descend
 56.30 Enter bottom
 72.70 Wash 10 lks wide Course N.W.
 73.80 Leave bottom ascend
 75.80 Top of ridge Course N.W. descend
 76.90 Enter bottom
 80.12 The Cor to Secs 25, 26, 35 and 36

Land rolling

Soil. Sandy 2^d rate

No timber

Subdivisions T. 7. S. R. 31. E.

| | |
|--------|---|
| Chains | N 0° 1' W bet. Secs. 25 ^{and} 26 Va. 12° 31' E |
| 9.26 | Leave bottom and ascend |
| 12.60 | Top of ridge Course N.W. descend |
| 15.70 | Wash 20 lks wide Course N.W. ascend |
| 19.00 | Top of ridge Course W. descend |
| 20.20 | Wash 11 lks wide Course W. ascend |
| 21.10 | Top of ridge Course W. descend |
| 24.20 | Wash 40 lks wide Course S.W. |
| 40.00 | Set a Sandstone 18x10x4 ins. 12 ins. in the ground, for 1/4 Sec. Cor. Marked 1/4 on W face and raised a mound of Stone 1 1/2 ft high. 2 ft base. Alongside Pit impracticable Ascend |
| 41.20 | Top of ridge Course S.W. descend |
| 43.10 | Wash 16 lks wide Course S.W. ascend |
| 64.00 | Enter mesa. |

11 Subdivisions T. 7. S. R. 31. E.

chains
80.00

Set a sandstone $20 \times 8 \times 4$ ins.
 15 ins. in the ground for Cor.
 to Secs. 23, 24, 25, and 26.
 Marked 2 notches on S, and
 1 notch on E faces. and
 raised a mound of stone
 $1\frac{1}{2}$ ft high. 2 ft base
 alongside. Pits impracticable
 Land rolling
 Soil sandy 2^d rate
 No timber

Subdivisions T. 7. S. R. 31. E.

- | | |
|--------|--|
| Chains | N 89° 56' E on a random line bet. Secs 24 and 25. Va. 12° 31' E |
| 40.00 | Set temporary 1/4 Sec Cor. |
| 80.10 | Intersect East boundary of township 7 lks N of Cor. to Secs. 19, 24, 25 and 30. which is a past firmly set, and properly marked as described in the field notes, furnished by the Surveyor general. Thence I run S 89° 59' W on a true line bet. Secs. 24 and 25. Va. 12° 31' E |
| 40.05 | Set a granite stone 20x6x5 ins 15 ins. in the ground for 1/4 Sec. Cor. marked 1/4 on N. |

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Subdivisions T. 7. S. R. 31. E.

chains face and raised a mound
of stone $1\frac{1}{2}$ ft high 2 ft
base alongside

Pits impracticable

- 43.00 Wash 20 lks wide Course S.W. ascend
45.84 Top of ridge Course S.W. descend
54.70 Wash. 7 lks wide " " ascend
55.70 Top of ridge Course " descend
57.80 Wash 10 lks wide "
80.10 The Cor. to Secs. 23, 24, 25 and 26

Land rolling

Soil sandy 2^d rate

No timber

Subdivisions S. 7 S. R. 31 E.

Chains At $0^{\circ} 1' W$ bet. Secs. 23. and 24
Va. $12^{\circ} 31' E$

- 3.20 Leave mesa and descend
11.10 Enter bottom
19.10 Wash 35 lks wide Course SW ^{ascend}
37.15 Leave bottom and ascend
40.00 Set a porphyry stone $19 \times 10 \times 7$
ins. 14 ins. in the ground, for
 $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on
W face. and raised a
mound of stone $1\frac{1}{2}$ ft.
high. 2 ft base alongside
Pits impracticable
46.25 Top of ridge Course N.W. descend
52.10 Enter bottom
58.05 Wash 10 lks wide Course N.W.
60.10 Wash 20 " " " "
67.00 Wash 50 " " " S.W.
80.00 Set a sandstone $20 \times 12 \times 9$ ins

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Subdivisions T. 7. S. R. 31. E.

15 ins in the ground, for
Cor. to Secs. 13, 14, 23rd & 24
Marked with 3 notches on
S. and 1 notch on E faces
and raised a mound of
stone 1 1/2 ft high 2 ft base
alongside. Pits impracticable

Land rolling
Soil sandy 2^d rate
No timber

Subdivisions T. 7. S. R. 31. E.

chains N 89° 59' E on a random line
bet. Secs. 13 and 24.

Va. 12° 31' E

40.00 Set temporary 1/4 Sec. Cor. and
80.00 Intersect East. boundary
of the township, at Cor. to
Secs. 13, 18, 19 and 24. a
post firmly set and
properly marked, and
as described in the field
Notes as furnished by
the Surveyor general
Thence True

S 89° 59' W on a true line
bet. Secs 13 and 24.

Va. 12° 30' E.

Ascend

14.90 Top of ridge Course N 75 dese
19.60 Gulch 5 lks wide " SW

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Subdivisions T. 7 S. R. 31 E.

- | chains | |
|--------|--|
| 34.00 | Wash 20 lks wide Course NW |
| 40.00 | Set a Sandstone 16x10x4 ins 11 ins. in the ground, for 1/4 Sec. Cor. Marked 1/4 on N face, and raised a mound of stone, 1 1/2 ft high, 2 ft base, along side, |
| | Pits impracticable |
| 49.85 | Wash 10 lks wide Course NW ²⁵⁰⁰ |
| 55.80 | Enter bottom mesa |
| 60.00 | Wash 40 lks wide Course SW, ⁴⁵⁰⁰ |
| 75.40 | Top of ridge Course SW, descend |
| 80.00 | The Cor to Secs. 13, 14, 23, ⁴⁰⁰ and 24 |
| | Land broken |
| | Soil, gravelly 3 ^d rate |
| | No timber |

July 23, 1891

Subdivisions T, J, S, R, 31, E.

chains $N 0^{\circ} 1' W$ bet. Secs. 13 and 14
Va. $12^{\circ} 30' E$

10.20 Wash 25 lks. wide Course SW.

15.00 Leave bottom. And. ascend

20.05 Top of ridge Course E & W, descend

27.80 Wash 20 lks. wide Course W, ascend

31.10 Top of ridge Course SW, descend

36.20 Enter bottom

40.00 Set a post. 4 ft long, 4
ins. square. with marked
stone 1 ft in the ground, for

$\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S
on W face. dug pits. 1

$18 \times 18 \times 12$ ins. N and S of

post. $5\frac{1}{2}$ ft dist. and

raised a mound of earth

$1\frac{1}{2}$ ft high $3\frac{1}{2}$ ft base,

around post.

40.80 Wash 25 lks. wide Course SW

19. Subdivisions T. T. A. R. 31, E.

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| | |
|--------|-------------------------------------|
| chains | Leave bottom and ascend |
| 41.10 | |
| 47.10 | Top of ridge Course S.W. descend |
| 49.15 | Wash 10 lks wide " " ascend |
| 51.60 | Top of ridge Course E.W. descend |
| 60.15 | Wash 5 lks wide " N.W. ascend |
| 64.50 | Top of ridge Course E. descend |
| 72.60 | Wash 40 lks wide " S.W. ascend |
| 75.10 | Top of ridge Course E. & W. descend |
| 80.00 | Set a Sandstone 20 x 8 x 5 ins |
| | 15 ins. in the ground, for |
| | Cor to Secs. 11, 12, 13 and 14 |
| | Marked with 4 notches on S |
| | and 1 notch on East faces |
| | And raised a Mound of Stone |
| | 1 1/2 ft high, 2 ft base alongs |
| | Pits impracticable |
| | Land. Hilly |
| | Soil gravelly 3 ^d rate |
| | No timber |

Subdivisions T. 7 S., R. 31. E.

chains $N 89^{\circ} 59' E$ on a random line
bet. Secs. 12nd and 13.

Va. $12^{\circ} 30' E$

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
80.14 Intersect East boundary
of the township, 12 lks
N of Cor to Secs. 7, 12, 13^{and} 18.
a post, firmly set and
properly marked, as
described in the field
notes furnished by the
Surveyor general,

Thence I run

$N 89^{\circ} 56' W$ on a true line
bet. Secs. 12nd and 13
Va. $12^{\circ} 30' E$

15.00 Wash 5 lks wide Course N.W.

28.30 Wash 15 " " " S.W.

40.07 Set a Sandstone $18 \times 8 \times 4$ ins
12 ins. in the ground. for.

Subdivisions T. 7 S. R. 31 E.

Chains $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on
 N face. and raised a
 mound of stone $1\frac{1}{2}$ ft high
 2 ft base. alongside
 Pits impracticable
 Ascend

40.90 Top of ridge Course S.W. descend

60.00 Enter bottom

69.70 Leave bottom and ascend

75.85 Top of ridge Course S.W. descend

80.14 The Cor to Secs. 11, 12, 13 and 14

Land, hilly
 Soil, gravelly 2^d rate
 No timber

Subdivisions T. 7 S. R. 31 E.

chains N 0° 1' W bet Secs. 11 and 12,
Va. 12° 30' E

Ascend

- 1.45 Top of ridge Course E + W, descend
 4.90 Wash 10 lks " N.W. ascend
 8.80 Top of ridge " N.W. descend
 14.10 Wash 20 lks wide " ascend
 18.10 Top of ridge Course E + W, descend
 24.40 Wash 50 lks wide Course S.W.
 29.35 Wash 20 " " " " ascend
 34.00 Top of ridge Course S.W.
 40.00 Set a sandstone 24 x 9 x 4 ins
 set 18 ins in the ground
 for 1/4 Sec Cor. Marked
 1/4 on W face. And raised a
 mound of stone 1 1/2 ft high
 2 ft base, alongside.
 Pits impracticable
 Descend

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Subdivisions T. 7. S. R. 31. E.

chains

43.70

Enta mesa

80.00

Set a red sandstone 30x14x6
 ins. 22 ins. in the ground
 for Cor to Secs. 1, 2, 11 and 12
 Marked with 5 notches on
 the S. and 1 notch on E faces
 and raised a mound of
 stone 1 1/2 ft high. 2 ft base
 alongside. Pits impracticable
 Land rolling
 Soil, gravelly 3^d rate
 No timber

Subdivisions T. 7. S. R. 31. E.

chains S $89^{\circ}56'E$ on a random line
bet. Secs. 1 and 12,

Va. $12^{\circ}30'E$

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

40.20 Intersect E Boundary of
Township at 12 lks S of
Cor. to Secs. 1, 6, 7 and 12.

which is a part. firmly
set and properly marked
as described in the field
Notes furnished by the
Surveyor general
Thence I run

S $89^{\circ}59'W$ on a true line
bet. Secs. 1 and 12.

Va. $12^{\circ}30'E$

Ascend

4.50 Top of ridge Course N.W. descend

6.15 Wash 25 lks wide Course N.W. ascend

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Subdivisions T. 7. S. R. 31. E.

chain

- 18.10 Top of ridge Course N.W. descend
- 22.25 Wash 15 lks. wide Course N.W. ascend
- 28.10 Top of ridge Course N.W. descend
- 31.30 Wash 20 lks wide " Ascend
- 40.10 Set a granite Stone 24x18x10 ins
18 ins. in the ground for $\frac{1}{4}$ ft
Sec. Cor. Marked $\frac{1}{4}$ on N.
face. And raised a Mound
of stone $1\frac{1}{2}$ ft high. 2 ft
base. Along side
Pits impracticable
- 40.60 Top of ridge Course N.W. descend
- 59.84 Wash 15 lks wide Course N.W. Ascend
- 69.90 Enter mesa.
- 80.20 The Cor to Secs. 1, 2, 11 and 12
Land rolling
Soil. gravelly
No timber

Subdivisions T. 7. S. R. 31. E.

- chains N $0^{\circ} 1' W$ on a random line
bet. Secs. 1^{and} 2
Ya. $12^{\circ} 31' E$
- 40.00 Set temporary $\frac{1}{4}$ sec. Cor.
79.92 Intersect N boundary of
township, 10 lks west of Cor.
to Secs. 1, 2, 35^{and} 36, as
recently established by me
Thence I run
S $0^{\circ} 3' W$ on a true line
bet. Secs. 1^{and} 2.
Ya $12^{\circ} 31' E$
- Descend
- 6.40 Wash. 20 lks wide Course S.W. ascend
9.15 Top of ridge Course S.W. descend
12.10 Wash 10 lks wide Course W ascend
18.20 Enter mesa
- 39.92 Set a sandstone $16 \times 8 \times 5$ ins
11 ins. in the ground. for

27. Subdivisions T. 7 S. R. 31 E.

Chains $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on
W face. and raised a mound
of Stone $1\frac{1}{2}$ ft high 2 ft
Base alongside.

Pits Impracticable

63.00 Leave mesa, descend

66.00 Enter bottom

66.60 Wash 25 lks wide Course SW.

75.70 Wash 35 lks wide " SW

77.45 Leave bottom

79.92 The Cor to Secs. 1, 2, 11 and 12.

Land. rolling

Soil. gravelly & sandy 2^d rate

No timber.

July 24, 1891

Subdivisions T. 7. S. R. 31. E.

- chain, From the Cor. to Secs. 2, 3, 34^{and} 35. on the South Boundary of the township, which is a fast, firmly set and properly marked as described in the field notes. furnished by the Surveyor general
Theodore Drum
- N 0° 1' W bet. Secs. 34^{and} 35
Va. 12° 31' E
over bottom land
- 23.70 Wash 15 lks wide Course N. W.
- 40.00 Set a granite Stone 18 X 10 X 4 ins 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. and raised a mound of Stone $1\frac{1}{2}$ ft high 2 ft base. alongside Pits impracticable

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Subdivisions T. 7 S. R. 31 E.

| | |
|-----------------|--|
| Chains 46.50 | Wash 10 lks wide Course N.W. |
| 50.50 | Wash 10 " " " W |
| 68.00 | Wash. 110 " " " S.W. |
| 80.00 | Set a granite stone 36x20x12 ins. 24 ins. in the ground for Cor. to Secs. 26, 27, 34 ⁹⁴ & 35 Marked with 1 notch on S. and 2 notches on E faces. and raised a mound of stone 1 1/2 ft high. 2 ft base alongside Pits impracticable Land level Soil. Sandy loam 1 st rate No timber |

Subdivisions T. 7. S. R. 31. E.

chains East on a random line.

bet. Secs. 26. and 35.

Var. $12^{\circ} 31' E$

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

40.08 Intersect N and S line. $\frac{1}{4}$

lks N. of Cor. to Secs. 25, 26, 35 & 36.

Thence true

$N 89^{\circ} 57' W$ on a true line

bet. Secs. 26. and 35.

Var. $12^{\circ} 30' E$

Ascend

6.80 Top of ridge Course $N. W.$, descend

3.20 Wash 10 lks wide " NW .

15.85 Wash 20 " " " NW , ascend

17.90 Top of ridge Course NW descend

20.80 Wash 10 lks. wide " NW , ascend

21.90 Top of ridge Course NW descend

26.20 Wash 20 lks wide " NW

30.60 Wash 15 lks. " " NW

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Subdivisions T. 7. S. R. 31. E.

chain

40.04

Set a sandstone 15 x 8 x 5 ins.
11 ins. in the ground. for
1/4 Sec. Cor. Marked 1/4 on
N face. and raised a mound
of stone 1 1/2 ft high 2 ft.
base alongside

Pits impracticable

43.85 Wash 10 lks wide Course NW, ^{used}

45.40 Top of ridge Course South descend

55.00 Wash 60 lks wide " SW, ascend

62.30 Top of ridge Course SW descend

65.20 Wash 15 lks wide " SW,

80.08 The Cor. to Secs. 26, 27, 34^{and} 35

Land, rolling

Soil, sandy 2^d rate

No timber

Subdivisions T. 7. S. R. 31. E.

| | |
|-------|---|
| Thais | N 0° 1' W. bet. Secs. 26. and 27. Va. 12° 30' E |
| | Over bottom land |
| 9.10 | Leaves bottom and ascend |
| 14.15 | Top of ridge Course S.W. descend |
| 16.70 | Wash. 15 lks wide " S.W. ascend |
| 19.70 | Top of ridge Course E.W. descend |
| 20.90 | Wash 10 lks wide " N.W. |
| 23.15 | Wash 20 " " " NW |
| 30.20 | Wash 10 " " " NW |
| 34.15 | Top of ridge Course E.W. descend |
| 40.00 | Set a limestone 16x10x4 ins. 11 ins. in the ground. for 1/4 Sec. Cor. marked 1/4 on NW face. And raised a mound of stone 1 1/2 ft high. 2 ft base alongside. |
| | Pits impracticable |
| 43.60 | Wash 70 lks wide Course S.W. ascend |

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Subdivisions T. 7. S. R. 31. E.

chains Ascend

- 49.80 Top of ridge Course S.W. descend
 54.00 Wash 15 lks wide " S.W. ascend
 61.05 Top of ridge Course S.W. & N.E. descend
 73.20 Wash 25 lks wide " S.W. ascend
 80.00 Set a Sandstone 20 X 8 X 5 ins

15 ins. in the ground, for Cor.
 to Secs. 22, 23, 26 and 27.

Marked with 2 notches on
 S. and E. faces, and raised a
 mound of stone 1 1/2 ft high
 2 ft base alongside.

Pits in practicable
 Land, rolling.
 Soil. Sandy 2^d rate
 No timber

Subdivisions T. 7 S. R. 31 E.

chains S $89^{\circ}57'E$ on a random line
bet. Secs. 23 and 26.

Va. $12^{\circ}30'E$

40.00 Set temporary 1/4 Sec. Cor.

80.06 Intersect N and S line 12
lks S of Cor to Secs. 23, 24, 25, 26

Thence I run

S $89^{\circ}58'W$ on a true line
bet. Secs. 23 and 26.

Va. $12^{\circ}30'E$

Ascend

5.45 Top of ridge Course N.W. descend

10.00 Wash 10 lks wide " N.W. ascend

14.80 Top of ridge Course N.W. descend

15.30 Wash 20 lks wide " N.W. ascend

30.40 Top of ridge Course S.W. descend

36.40 Wash 10 lks wide " S.W. ascend

39.55 Top of ridge Course S.W. descend

40.03 Set a sandstone 15x10x4 ins

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Subdivisions T. 7 S. R. 31 E.

Chains 11 ins. in the ground for
 $\frac{1}{4}$ Sec. Cor. Marked $\frac{1}{4}$ on
 N face. and raised a mound
 of stone $1\frac{1}{2}$ ft high 2 ft
 base. alongside

Pits impracticable

50.60 Wash 25 lks wide Course SW

53.65 Wash 15 lks wide " SW. ascend

62.60 Top of ridge Course SW. descend

69.50 Gulch 10 lks wide " SW.

80.06 The Cor. 5 Secs. 22, 23, 26^{and} 27

Land, rolling

Soil. Sandy 2^d rate

No timber.

Subdivisions T. 7 S. R. 31 E.

| | |
|--------|---|
| chains | N 0° 1' W bet. Secs. 22 nd and 23. Va. 12° 30' E |
| | Descend |
| 4.10 | Wash 10 lks wide Course S.W. ascend |
| 10.20 | Top of ridge Course S.W. descend |
| 12.40 | Wash 15 lks. wide " ascend |
| 20.00 | Top of ridge Course S.W. descend |
| 40.00 | Set a Sandstone 18 X 8 X 5 ins. 12 ins. in the ground for 1/4 Sec. Cor. Marked 1/4 on W side. and raised a mound of stone 1 1/2 ft high 2 ft base alongside. Pit's impracticable |
| 44.00 | Wash 45 lks wide Course S.W. ascend |
| 45.30 | Top of ridge Course E. & W. descend |
| 60.82 | Wash. 25 lks wide " S.W. ascend |
| 65.20 | Top of ridge Course S.W. descend |
| 72.70 | Wash. 10 lks wide " S.W. |
| 80.00 | Set a Sandstone 20 X 8 X 5 ins |

37.

Subdivisions T. 7 S. R. 31 E.

15 ins. in the ground. for
Cor. to Secs. 14, 15, 22^{and} 23.

Marked with 3 notches on
S. and 2 notches on E faces.

and raised a mound of
stone $1\frac{1}{2}$ ft high 2 ft base
alongside. Pits impracticable

land rolling.

Soil sand and gravel 3^d note

No timber

Subdivisions J. J. R. 31. E.

chains N89°58'E on a random line
bet. Secs. 14^{and} 23.

Va. 12°30'E

40.00 Set temporary 1/4 Sec. Cor.

50.02 Intersect N^{and} S. line. 10
lks N of Cor. to Secs.

13, 14, 23^{and} 24.

Thence I run

N89°58'W on a true line

bet. Secs. 14^{and} 23.

Va. 12°30'E

Descend

7.10 Wash 20 lks wide Course NW

17.80 Leave bottom and ascend

22.80 Top of ridge Course N. S. descend

37.10 Enter bottom

39.00 Wash 35 lks wide Course SW

40.01 Set a sandstone 15x10x4 ins.
11 ins. in the ground. for 1/4

39.

Subdivisions T. 7 S. R. 31 E.

chains ~~X~~ Sec. Cor. marked 1/4 on
N face and raised a mound
of stone. 1 1/2 ft high 2 ft base
alongside. Pits impracticable
Ascend

47.80 Top of ridge. Course S.W. & N.E., descend

80.02 The Cor to Secs. 14, 15, 22nd & 23

Land ralling

Sail, sand and gravel 2^d rate

No timber

July 25, 1891.

Notes Continued in Book 4.

U. S. Surveyor-General's Office,

TUCSON, A. T., *Sept. 28th* 188*9* / 91

The foregoing Field Notes of the Surveys of

Subdivisions lines

T. 7. S. R. 31 East

Gila and Salt River Meridian

in *Arizona* executed by

Daniel Drummond

U. S. Deputy Surveyor, under his contract dated

May 29th 1891

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

Wm. H. Johnson

U. S. Surveyor-General
for the Territory of Arizona.