

"B"
(2)

SUBDIVISIONS
of
T. 29, N., R. 1, W
by
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BOOK 1129

No. 1129

BOOK 1129

4-671

FIELD NOTES
GENERAL LAND OFFICE.

1129

Indexed, Book 1128

*Opus
conf.*

60

Township 29N R. 1W

6	109	5	81	4	63	3	2	1
107		106		80		61		
7	104	8	78	9		10	11	12
102		101		77				
18	99	17	75	16		15	14	13
97		96						
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92		91		70				
30	89	29	68	28		27	26	25
87		86		67				
31	83	32	64	33		34	35	36

No. 1129

10 ins. in the ground for cor. of
sec. 3, 4, 9 & 10, marked with
5 notches on S. & 3 notches on E. edge;
dig pits 18x18x12 ins. in each sec.
5 1/2 ft. dist.; and raise a mound of
earth 4 ft. base, 2 ft. high W. of cor.
Land Rolling.

Soil, sandy, 4th Rate.

No timber.

Land covered with dense
undergrowth, 80,000 ac.

N. 89° 58' E.

on a random line bet sec. 3 & 10

4000 Set temp. 1/4 sec. cor.

80.22 Intersect N. & S. line 7 lks. S of
the cor. of sec. 2, 3, 10 & 11.

Thence down

S. 89° 55' W.

Subdivided of T. 29 N. R. 1 W.

- on a true line bet. sec. 3 & 10.
 Over rolling land covered
 with dense chics undergrowth.
- 3.50 Enter scattering scrubby cedars.
- 5.25 Road, bears N.W. & S.E.
- 34.00 Drain, course N.E. Some cedars.
- 40.11 Set a limestone 16x6x6 ins, 10
 ins. in the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{3}{4}$ on N. & 10 on S.
 faces; and raise a mound of
 stone 2 ft. base, $1\frac{1}{2}$ ft. high $\frac{1}{4}$ of
 cor. Pits impracticable.
- 55.00 Ridge, bears N. & S.
- 62.00 Drain, course N.E.
- 73.00 Small Drain, course N.E.
- 80.22 The cor. of sec. 3, 4, 9, & 10.
 Land, Rolling.
 Soil, sandy & stony, 3^d of 4th Rate.
 Timber, scattering cedars.

Subdivision of T. 29 N. R. 1 W.

Land covered with dense
undergrowth, 80.22 chs.

N. $0^{\circ}02'$ W.

on a random line bet. secs. 34 & 4.

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.24 Intersect W. bdy. of T. 17 chs.

W. of the cor. of secs. 3 $\frac{1}{2}$, 33 & 34
which I established Aug. 28, 1910,

Thence I run

S. $0^{\circ}05'$ W.

on a true line between secs. 3 & 4.

Over rolling land covered with
dense chick brush.

9.50 Road, bears 22° W. & S.E.

37.00 ascend gradually bear 8° W.

40.24 Set a limestone $16 \times 8 \times 4$ ins, 10 ins.

in the ground for $\frac{1}{4}$ sec. cor., marked

$\frac{1}{4}$ on W. & $\bar{3}$ on E face; dig pits

Subdivision of T. 29 N. R. 1 W.

18418 x 12 ins., N. 75, of stone 3 ft.
dirt, and raise a mound of
earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high
W. of con.

42.00 Ridge bear N. W. 75 E.

80.24 The con of sec. 3, 4, 9, 10.

Land. Rolling.

Soil, sandy & stony, 2nd Rate.

No timber.

Land covered with dense chin
undergrowth. 80, 24 chs.

Note, - clouds at noon prevented
taking lat. obs.

Sept. 15; at 8 h am, hnt. I set
off $3^{\circ}04\frac{1}{2}'$ N. on the decl. arc;
 $35^{\circ}49'$ N. on the lat. arc; and
determine a true meridian
with the solar at the standard

Subdivision of T. 29 N. R. 14 W.

cor. of sec. 32 & 33, which is a
limestone, 12 x 5 x 8 ins. above ground
firmly set marked and witnessed
as described by the survey, a general.

Thence down

N. 8° 03' W.

bet. sec. 32 & 33,

Over Rolling land, covered with
chico brush.

16.00 Drain, course N.W. ascend.

23.00 Ridge bears E. & W. 40 ft high.

30.20 Road at foot descent of 60 ft.
bears N.E. & S.W.

34.00 Small Drain, course ~~S.W.~~ ascend.

38.00 Ridge 40 ft. high bears N.E. & S.W.

40.00 Set a limestone 16 x 12 x 6 ins. 10
ins in the ground for 1/4 sec. on
marked 1/4 on W. & 3/3 on E. face, and
raise a mound of stone 2 ft. base, 1 1/2 ft.

Subdivision of T. 29 N. R. 1 W.

- high W. of cor. Pits impracticable.
- 42.00 Ravine 60 ft. deep course S. 15° W. to S. W.
- 45.75 Road bears N. 15° E. & S. 15° W.
- 49.50 Ascent steep slope bears E. 7° W.
- 59.00 Ridge 60 ft. high, bears E. 7° W.
- 67.00 Descent, bears E. 7° W.
- 70.00 Ravine 35 ft. deep, course S. E.
- 79.00 Ravine, 20 ft. deep, course S. E.
- 80.00 Set a limestone 16 x 10 x 8 ins., 10 ins.

in the ground for cor. of sec.
 28, 29, 32 & 33, marked with
 1 notch on the S. and 4 notches on
 E. edges; and raise a mound of
 stone 2 ft. base, 1½ ft. high, W. of
 cor. Pits impracticable.

Land, Rolling and Moun-
 tainous 56.50 cho.

Soil, stony & sandy of $\frac{1}{2}$ Rate.
 Scattering cedar timber.

Subdivision of T. 29 N. R. 1 W.

Land covered with dense
chic undergrowth 8000 ft.

East

on a random line bet. sec. 28 & 33.

40.00 Set temp. 1/4 sec. con

80.10 Intersect N. vs. line 2 lbs. S. of
the con of sec. 27, 28, 33, & 34.

Thence I run

S. 89° 59' W.

on a true line bet. sec. 28 & 33.

Over rolling land covered with
dense chic undergrowth.

10.00 Hide train, course S.

26.00 Ascend gradually.

30.00 Low Ridge, bears N. vs.

40.05 Set a limestone 20 x 2 x 5 in., 15
in. in the ground for 1/4 sec. con
marked $\frac{1}{4}$ on N. & 33 on S. face; and

Subdivision of T. 29 N. R. 1 W.

- raised a mound of stone
2 ft. base, 1½ ft. high N. of cor.
Rite impracticable.
- 40.80 Road, bears N. 20° W. 75, 20° E.
- 51.00 Drain, course S. W.
- 57.50 Ridge, bears N. 45.
- 62.80 Road, bears N. 45.
- 69.00 Ridge, bears N. 45.
- 72.50 Ravine, course S.
- 80.10 The cor. of secs. 28, 29, 32 & 33.
Land, Rolling.
Soil, sandy & stony. 4 Rite
No timber
Land covered with dense
undergrowth 80 or 100 lbs.

N. 0° 03' W.

bet. secs. 28 & 29

Over Rolling land covered

Subdivision of T. 29 N. R. 1 W.

with dense chin's under-
growth

- 1.00 Low Ridge bears E. & W.
- 8.50 Drain, course E. to S.E.
- 20.00 Drain, course S.E.
- 31.00 Ridge bears E. & W.
- 40.00 Set a limestone 15 X 10 X 4 ins., 10
ins. in the ground for $\frac{1}{2}$ sec. cor.
marked $\frac{1}{2}$ on W. & 28 on E. face;
dig pits 18 X 18 X 12 ins., N. & S. of
stone 3 ft. dist.; and raise a
mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
high W. of cor.
- 59.00 Drain, course S.E.
- 80.00 Set a limestone 16 X 6 X 5 ins., 11 ins.
in the ground for cor. of sec.
20, 21, 28 & 29, marked with
2 notches on S. & 4 notches on E.
edges; dig pits 18 X 18 X 9 ins., in.

Subdivision of T. 29 N. R. 1 W.

in each sec $5\frac{1}{2}$ ft. dist.; and
raise a mound of earth
4 ft. base 2 ft. high, W. of cor.

Land, Rolling,

Soil, sandy & ~~shale~~

No timber,

Land covered with dense under-
growth ~~8000~~ shrubs.

Sept. 15; at the cor. I set off 3000'

N. on the decl. arc; and at 11^h 55^m

observe the sun on the meridian

the resulting lat. is $35^{\circ} 51' 07.6'' N$.
~~25058400~~

which is correct.

N. 89° 59' E.

on a random line bet. sec. 21 & 28

40.00

Set temp. 1/4 sec. cor.

80.06

Intersect N.W.S. line 5 lks. N. of the cor. of

sec. 21, 22, 27 & 28.

Subdivision of T. 29 N. R. 11 W.

Theuel Line

N. 89° 59' W.

on a true line bet. secs. 21 & 28
Over Rolling land, covered with
dense chiss undergrowth.

40.02 In flat drain course?

Set a limestone 12 x 12 x 8 ins, 8
ins. in the ground for $\frac{1}{4}$ sec. con.
marked $\frac{1}{4}$ on N. & 28 on E. face;
dig pits 18 x 18 x 12 ins, 8 yds. of stone
2 ft. dist.; and raise a mound of
earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft. high N. of sec.

5000 Low Ridge bears N. 45,

57.05 Road, bears N. 20 W. 75, 208.

80.06 The cor. of secs. 20, 21, 28 & 29

Land rolling.

Soil, gravelly & sandy, 4th Rate.
No timber.

Land covered with dense undergrowth 5000 chs.

Subdivision of T. 29 N. R. 1 W.

N. 0003' W.

bet. sec. 20 & 21.

Over Rolling land covered with
dense chieft undergrowth.

41.50 Set a limestone $12 \times 12 \times 5$ ins.
8 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. & 21 on E. face;
dig pits $15 \times 18 \times 12$ ins. N. & S.
of stone 8 ft. dist.; and raise a
mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$
ft. high W. of cor.

52.00 Low Ridge bears E. & W.

65.00 Train, course W.

70.00 Low Ridge bears E. & W.

73.10 Small Train, course S. & W.

80.00 Set a limestone $14 \times 10 \times 8$ ins.
10 ins. in the ground for cor. of
sec. 16, 17, 20, & 21, marked
with 3 notches on S. and 4 notches

Subdivision of T. 29 N. R. 1 W.

on E. edges; dig pit 1 P X 1 P X 12
ins. in each sec., 5 1/2 ft. dist.; and
raise a mound of earth 4 ft. base,
2 ft. high W. of cor.

Land Rolling.

Soil, sandy, 4th Rate.

No timber

Land covered with dense under-
growth 8000 chs.

S. 89° 59' E.

on a random line bet. secs. 16 & 21

4000 Set temp. 1/4 sec. cor.

80.12 Intersect N & S. line 2 chs. S. of the
Cor. of secs. 15, 16, 21 & 22,

Thence I run

West

on a true line bet. secs. 16 & 21

Over Rolling land covered with

Subdivision of T. 29 N. R. 1 W.

- dense chips undergrowth.
- 21.00 Drain, course S.
- 30.00 Ridge, bears N. & S.
- 40.06 Set a limestone $14 \times 8 \times 6$ ins., 9
ins. in the ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{4}$ on N. & $\frac{1}{2}$ on S. faces;
dig pits $18 \times 18 \times 12$ ins. E. & W. of stone
3 ft. dist.; and raise a mound of
earth $3\frac{1}{2}$ ft. bare $1\frac{1}{2}$ ft. high & cov.
- 71.60 Road, bears N. 30° W. & S. 30° E.
- 80.12 The cor. of secs. 16, 7, 20 & 21
Land. Rolling.
Soil gravelly, 4th Rate.
No timber.
Land covered with dense
undergrowth, 80.06 obs.

80.12

Sept, 15, 1900

Subdivision of T. 29 N. R. 1 W.

Sept. 17; at 7 h 55 m Am.
 Unit, set off $2^{\circ} 18\frac{1}{2}'$ N. on
 the decl. arc; $35^{\circ} 51' 52.2''$ N.
 ~~$25^{\circ} 51' 30''$~~ on the
 lat. arc, and determine a
 true meridian with the
 solar at the last named cor.

Thence True

N. $0^{\circ} 03' W.$

betw. sec. 16 & 17.

Over Rolling land, covered with
 dense chieis undergrowth.

10.00 Ridge, bears E. & W.

25.00 Ravine, course S. N.

37.50 Ridge, bears E. & W.

40.00 In drain, course S. N.

Set a limestone $15 \times 7 \times 5$ ins.,
 coins, in the ground for 14 sec.
 cor. marked $\frac{1}{4}$ on N. & 16 on E. face;
 dig pits $18 \times 18 \times 12$ ins. N. & S. of stone

Subdivision of T. 29 N. R. 1 W.

- 3 ft. dist.; and raise a mound
of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high,
N. of cor.
- 49.00 Ridge, bears E. & W.
- 53.00 In air, course S. & W.
- 69.00 Ridge, bears E. & W.
- 80.00 Set a limestone $15 \times 10 \times 42$
ins., 10 ins. in the ground for
cor. sec. 8, 16 & 17, marked with 7
notches on S. & E. edges; dig pits
 $18 \times 18 \times 12$ ins., in each sec. $5\frac{1}{2}$
ft. dist.; and raise a mound
of earth 4 ft. base, 2 ft. high
W. of cor.

Land, Rolling.

Soil, sandy & stony, 4th Rate.

No timber.

Land, covered with dense
undergrowth, 8000 chs.

Subdivision of T. 29N. R. 1W.

East

on a random line bet. secs. 9 & 16

4000 Set temp. $\frac{1}{2}$ sec. cor.

80.06 Intersect N. & S. line 7 lks. S. of the
Cor. of secs. 9, 10, 15 & 16.

Thence Strain

S. 89° 57' W.

on a true line bet. secs. 9 & 16.

Over Rolling land covered with
dense chic undergrowth.

3000 Flat Strain, course S.W.

40.03 Set a limestone 12 x 16 x 6 ins.
firm in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{2}$ on N. & 16. on S.
face; dig pits 18 x 18 x 12 ins., E. &
W. of stone 3 ft. dist.; and raised
mound of earth 3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$
ft. high, N. of cor.

77.80 Road, bears N. 20° W. & S. 20° E.

Subdivision of T. 29 N. R. 11 W.

80.56 The cor. of secs. 8, 9, 16 + 17.
 Land, Rolling.
 Soil, sandy & stony, $\frac{1}{2}$ to $\frac{3}{4}$ R. etc.
 No timber.
 Land covered with dense
 undergrowth 80.56 ch.

N. 8° 03' W.

bet. secs. 8 & 9.

Over Rolling land, covered
 with dense chis undergrowth.

11.80 Road, bears N. 20° W & S 20° E,
 36.00 Train, course W. to N.W.
 40.00 Point for cor. falls on a
 limestone 24 x 16 x 8 ins.
 above ground in place, &
 Cut a cross (+) at exact cor.
 point for $\frac{1}{4}$ sec. cor., mark it
 $\frac{1}{4}$, W & 9, on E side of cross, and

Subdivision of T. 29 N. R. 1 W.

- raise a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
- 43.00 Low Ridge bears E. & W.
- 48.00 Train, course, S. W.
- 59.00 Ridge, bears N. E. & S. W.
- 66.00 Train, course S. W.
- 80.00 Set a limestone $15 \times 8 \times 7$ ins.,
10 ins. in the ground for cor. of sec
4, 5, 8, & 9, marked with 5
notches on S. & 4 notches on E. edge,
and raise a mound of stone 2 ft.
base, $1\frac{1}{2}$ ft. high W. of cor.
Pits impracticable.
- Land Rolling,
Soil, sandy & stony, 4th State
No timber,
Land covered with dense
undergrowth 80000 lbs.

Subdivision of T. 29N. R. 1W.

N. 89° 05' 71" E.

on a random line bet. secs. 4 & 9.

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.10 Intersect N. & S. line & E. & W.
of the cor. of secs. 3, 4, 9 & 10.

Thence down

S. 89° 05' 71" W.

on a true line bet. secs. 4 & 9.

Over Rolling land covered with
dense hickory undergrowth

31.00 Drain, course N.

40.05 On low Ridge bear N. & S.

Set a limestone 15 x 8 x 5 ins.
10 ins. in the ground for $\frac{1}{4}$ sec. cor.marked $\frac{1}{4}$ on N. & S.on S. face; and raise a mound
of stone 2 ft. base, $1\frac{1}{2}$ ft. high,
N. of cor. Pits impracticable.

46.00 Drain, course N.

Subdivision of T. 29 N. R. 1 W.

69.00 Ridge, bears $\text{N.W. } 75^{\circ} \text{ E.}$

80.10 The cor. of sec. 4, 5, 8, & 9.

Land Rolling.

Soil, sandy & stony & $\text{B. } \text{R. } \text{C.}$
No timber.Land covered with dense
undergrowth 80.10 chs.

Sept. 17, at this cor. I set off

 $2^{\circ} 13\frac{1}{2}' \text{ N.}$ on the decl. arc;and at $11^{\text{h}} 54.5^{\text{m}}$ A.M., just,

observe the sun on the mer-

idian; the resulting lat. is

 $35^{\circ} 53' 44.5'' \text{ N.}$ ~~$35^{\circ} 52' 20''$~~ , which is about

the proper lat.

 $\text{N. } 0^{\circ} 03' \text{ W.}$

• on a random line bet. sec. 4 & 5.

40.00 Set temp $\frac{1}{4}$ sec. cor.

80.22 Intersect N. & E. of T. 17 N. W.

Subdivision of T. 29 N. R. 1 W.

of the cor. of secs 4, 5, 32 & 33,
which I established Aug. 27, 1900.

Thence I run

S. $0^{\circ}04'$ W.

on a true line bet. sec. 4 & 5

Over Rolling land, covered with
dense chics undergrowth.

40.22 Set a limestone $18 \times 14 \times 6$ ins.
12 ins. in the ground for $\frac{1}{4}$
sec. cor., marked $\frac{1}{4}$ on W. and
 $\frac{1}{4}$ on E. faces; and raise a
mound of stone 2 ft. base, $1\frac{1}{2}$ ft.
high W. of cor. Pits impractical.

65.00 Ascend, bears E & W.

78.00 Ridge bears N. $75^{\circ}E.$ & N. $75^{\circ}W.$

80.22 The cor. of sec. 4, 5, 8, & 9.

Land, Rolling.

Soil, sandy & stony, 4 ft. deep.

~~First of few patches of~~

Subdivision of T. 29 N. R. 1 W.

Land covered with dense
undergrowth 80.22 chs.

Sept. 17, 1900

Sept. 18: at 7 h 36^{am} a.m.,
lunt., I set off 1°56' N. on
the decl. arc; 35°49' on
the lat. arc; and determine
a true meridian with
the solar at the standard
con. of sec. 31432, which is
a limestone 20x7x6 ins.,
firmly set in mound of
stone, marked and witnessed
as described by the surveyor
general.

Thence I run

N. 0°03' W.

abt. sec. 31432.

Subdivision of T. 29 N. R. 1 W.

- Over mountainous land
covered with dense chies
and buck brush. Descend.
- 16.50 Descend abruptly into Cataract
Canyon.
- 22.00 Cataract Canyon 2,000 chs. wide
350 ft. below cor, course N.W. ascend.
- 39.50 Top ascent of 375 ft. bears E.W.
- 40.00 Set a limestone 18 x 10 x 4 ins.
12 ins. in the ground for
4 sec. cor. marked $\frac{1}{2}$ on W. &
31 on E. faces; and raise a mound
of stone 2 ft. base $1\frac{1}{2}$ ft. high
W. of cor. Pits impracticable.
- 43.50 Canyon 300 ft. deep, course N.W. ascend
- 43.80 Ascend Limestone ledge 20 ft.
high bears E.W.
- 50.00 Top ascent of 200 ft. bears
E.W. Descend steep N. Slope

Subdivision of T. 29 N. R. 1 W.

East

on a random line bet. secs. 29 & 32

40.00 Set temp. $\frac{1}{4}$ sec. cor.80.16 Intersect N. & S. line at the
cor. of secs. 28, 29, 32, & 33.

Then run

West

on a true line bet. secs. 29 & 32

Over mountainous land

covered with dense chie's brush.

1.00 Ravine, course S.E.

35.00 Ridge bear N. & S.

40.08 Set a limestone $15 \times 7 \times 7$ ins.10 ins. in the ground for $\frac{1}{4}$ sec. cor.marked $\frac{1}{4}$ on N. & S. 32 and face, and

raise a mound of stone 2 ft.

base, $1\frac{1}{2}$ ft. high N. of cor.

Rits impracticable

43.00 Small drain course S.E.

Subdivision of T. 29N. R. 1W.

- 47.50 Ridge bears N.E. & S.W.
- 55.00 Ravine, course S.W.
- 64.00 Toparent of 90ft. bears N.E. & S.W.
- 75.00 Ravine, course S.
- 80.16 The cor. of sec. 29, 30, 31 & 32,
Land, Mountainous, 80.16 chs.
Soil, stony, 4th Rate.
No timber
Mountainous land covered
with dense undergrowth 80.16 chs.
-
- West
on a random line bet. sec. 30 & 31
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.09 Intersect W. bdy. of Tp. 7 lks. S.
of the cor. of sec. 25, 30, 31 & 36,
which I established Aug. 23, 1900.
Thence I run
S. 89° 57' E.

Subdivision of T. 29 N. R. 1 W.

- on a true line bet. sec. 30 & 31
- Over mountainous land covered
with scattering cedar, and
dense chics & buck brush.
- 4.50 Ridge bears N. & S. Secend.
- 10.00 Ravine 150 ft. deep, course S.W.
- 15.00 Top ascent of 200 ft. bears N. & S.W.
- 40.09 Set a limestone 18x8x8 ins. 12 ins.
in the ground for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on N. & S. 1 on S. face; and
raise a mound of stone 2 ft. base, $1\frac{1}{2}$
ft. high N. of cor., it is impracticable.
- 50.00 Secend steep slope, bears N. & S.
- 52.35 Ravine 60 ft. deep course S. & S.W.
- 55.00 Ridge 50 ft. high bears N. & S.
- 62.00 Ravine, 60 ft. deep course S. W.
- 69.00 Ridge, 60 ft. high, bears N. & S.
- 74.00 Indian Trails bears N.W. & S.E. and
- 79.00 Top ascent 40 ft. bears N. & S.

8009 The cor. of secs. 29, 30, 31, 32,
 Land, Mountainous, 8009 ch.
 Soil, stony, 4th Rate.
 Timber, scattering scrubby
 cedar.

Land covered with dense
 undergrowth 8009 ch.

Sept. 18; at this cor. I set off
 $1^{\circ} 50\frac{1}{2}'$ N. on the decl. arc, and
 at 11 h 54.1^m a.m., but, obs.
 the sun on the meridian
 the resulting lat. is $35^{\circ} 50' 15.3''$ N.
 which is about the proper lat.

N. $0^{\circ} 03' W.$

bet. secs. 29 & 30.

Over Mountainous land
 Covered with dense thick brush.

6.00 Drain, source W.

Subdivision of T. 29 N. R. 1 W.

- 21.00 Ridge, bears E, & N,
- 40.00 Set a limestone 15 x 8 x 6
 ins. in the ground for
 $\frac{1}{4}$ sec. cor marked $\frac{1}{2}$ on W. &
 30 on E. face; dig pits 18 x 18 x 12
 ins. N. & S. of stone 3 ft. dist.; and
 raise a mound of earth $3\frac{1}{2}$ ft.
 base, $1\frac{1}{2}$ ft. high W. of cor.
- 58.00 Train, source N. W.
- 80.00 Set a limestone 16 x 8 x 6 ins., 11
 ins. in the ground for cor. of
 secs. 19, 20, 29 & 30, marked
 with 2 notches on S. & 5 notches
 on E. edges; dig pits 18 x 18 x 12
 ins. in each sec, $5\frac{1}{2}$ ft. dist.;
 and raise a mound of earth
 4 ft. base, 2 ft high W. of cor.
- Land, Mountainous 300000,
 and Rolling.

No. 1129 BOOK 1129 91
Subdivision of T. 29 N. R. 1 W.

Soil, sandy & stony & the Rocks.
No timber.

Land covered with dense
undergrowth 80,000 lbs.

East

on a random line bet. sec. 20 & 29

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.20 Intersect N. 75, line 2 lbs. S
of the cor. of sec. 20, 21, 28 & 29.

Thence run

S. $89^{\circ}59'W$.

on a true line bet. sec. 20 & 29

Over Rolling land covered
with dense undergrowth of chie.

27.00 Drain, course N. W.

40.10 Set a limestone $5 \times 8 \times 7$ ins
10 ins, in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. & 29 on S. face.

92

Subdivision of T. 29 N. R. 1 W.

dig pits 18 X 18 X 12 ins., E. & W.
of stone 3 ft. dist.; and raised
mound of earth $3\frac{1}{2}$ ft. base,
 $1\frac{1}{2}$ ft. high N. of cor.

69.00 Small Drain course SW

80.20 The cor. of secs. 19, 23, 29 & 30.

Land, Rolling,

Soil, sandy & stony, 4 to 6 Rods.

No timber,

Land covered with dense chie's
undergrowth, 80.20 chs.
Sept. 18, 1900.

N. 89° 57' W.

on a random line bet. secs. 19 & 30

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.05 Intersect W. bdy. of T. 29 N. 5
of the cor. of secs. 19, 24, 25 & 30

Thence I run

S. 89° 56' E.

Subdivision of T. 29 N. R. 1 W.

on a true line bet. secs. 19 & 30.

Over mountainous land
covered with dense buck
and chico undergrowth

- 10.50 Descend, bears $NW \frac{1}{2} SE$.
- 14.50 Canyon 100 ft. deep, course NW . ^{Recup}
- 25.00 Indian Hut bears $N. 50$ lbs. dist.
- 32.00 Top ascent of 150 ft. bears $NW \frac{1}{2} SE$.
- 40.05 Set a limestone $10 \times 12 \times 4$ ins.,
10 ins. in the ground for $\frac{1}{4}$ sec. cor.,
marked $\frac{1}{2}$ on N & 30 on S face;
and raise a mound of stone
2 ft. base, $1\frac{1}{2}$ ft. high N . of cor.,
Pits impracticable.
- 45.00 Leave scatterings scrubby
cedars bears $NW \frac{1}{2} SE$.
- 62.00 Ascend, bears $NW \frac{1}{2}$.
- 70.00 Top ascent of 40 ft. bears $N. \frac{1}{2} S$.
- 80.05 The cor. of secs. 19, 20, 29, & 30.

Subdivision of T. 29 N. R. 1 W.

- 40.00 Set a limestone $15 \times 8 \times 4$ ins.,
10 ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. & 20 on
E. faces; dig pits $18 \times 18 \times 12$ ins.
N. & S. of stone 3 ft. dist.; and raise
a mound of earth $3\frac{1}{2}$ ft. base
 $1\frac{1}{2}$ ft. high W. of cor.
- 73.00 Ridge, bears E. & W.
- 80.00 Set a limestone $15 \times 10 \times 8$ ins.,
10 ins. in the ground for cor. of
secs. 17, 18, 19, & 20, marked
with 3 notches on S. & 5 notches
on E. edges; and raise a mound
of stone 3 ft. base $1\frac{1}{2}$ ft. high
W. of cor. Pits impracticable.
- Land, Rolling.
Soil, sandy & stony. No Pate.
No timber.
Land covered with dense brush 8000 lbs.

Subdivision of T. 29 N. R. 1 W.

N. 89° 59' E.

on a random line bet. sec. 17 & 20

4000 Set temp. 1/4 sec. cor.

80.24 Intersect N. & S. line 2 lbs. S. of
the cor. of sec. 16, 17, 20 & 21.

Thence I run

S. 89° 58' W.

on a true line bet. sec. 17 & 20.

Over Rolling land covered with
dense chics undergrowth.

16.00 Drain, course S.W.

28.50 Small Drain, course S.

40.12 Set a limestone 20x12x6 in.,
15 in. in the ground for 1/4 sec.
cor. marked $\frac{1}{4}$ on N. & 20 on S. face,
and raise a mound of dirt 2 ft.
base, 1 1/2 ft. high. N. of cor.
Pits impracticable.

50.00 Wide flat Drain, course N.W.

Subdivision of T. 29 N. R. 1 W.

- 69.00 Ascend. bears N. 75.
- 78.00 Spur. 20 ft. high, bears N. 75.
- 80.24 The cor. of secs 17, 18, 19 & 20.
 Land Rolling.
 Soil sandy & stony, 4th rate.
 No timbers
 Land covered with dense brush
 & undergrowth 80.24 chs
 Sept. 19: at this cor. I set off
 1° 37' N. on the decl. arc, and at
 11 h 53.8^m am., but, observe
 the sun on the meridian.
 the resulting lat. is $35^{\circ} 51' 52.2''$
~~35° 51' 30''~~
 which is about the proper lat.
-
- N. 89° 56' W.
 on a random line bet. secs. 18 & 19.
- 40.00 Set traps. 1/4 sec. cor.
- 80.00 Intersect W. edg. of Tp. at the

Subdivision of T. 29 N. R. 1 W.

Cor. of secs. 13, 18, 19 & 24, which
I established Aug. 25, 1900.

Thence down

S. 89° 56' E.

on a true line bet. secs. 18 & 19.

Over mountainous land
covered with dense chiee
undergrowth.

- 5.00 Secend. bears N. 75,
12.00 Ravine, course N. 75,
19.00 Ravine, course N. 75,
24.00 Ridge, bears N. 75,
40.00 Set a limestone 15 X 10 X 7 in.
10 in. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on N. & 19 on S.
face; dig pits 18 X 18 X 2 in.,
E. & W. of stone 3 ft. dia.; and
raise a mound of earth $3\frac{1}{2}$ ft.
base, $1\frac{1}{2}$ ft. high N. of cor.

Subdivision of T. 29 N. R. 1 W.

- 46.00 Old trail, bears N. 20° W. 45, 20 E.
- 71.00 Train, course N.W.
- 75.00 Ridge, bears N. 75.
- 78.00 Train, course N.W.
- 80.00 The cor. of secs. 17, 18, 19, & 20
 Land, mountainous &
 Rolling.
 Soil, stony & sandy, 4th plate.
 Not timber.
 Land, mountainous or covered
 with dense undergrowth so much.
-
- N. 00° 3' W.
 bet. secs 17 & 18.
 Over Rolling land covered with
 dense thick undergrowth
- 8.50 Train, course N.E.
- 30.50 Same Train, course N.W.
 Ascend rocky slope covered with

- scattering cedars
- 4000 Set a limestone $15 \times 8 \times 4$ ins., 10 ins., in the ground for $\frac{1}{2}$ sec. cor. marked $\frac{1}{2}$ on W & 77 on E. faces; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits deep & practicable
- 4800 Ridge 60 ft. high, bears E. & N.
- 76.00 Ravine, course NW, 75 ft. deep.
- 8000 Set a limestone $15 \times 8 \times 8$ ins., 10 ins. in the ground for cor. of sec. 7, 8, 17, & 18, marked with 4 notches on S. and 5 notches on E. edges; dig pits $18 \times 18 \times 1\frac{1}{2}$ ins. in each sec. $5\frac{1}{2}$ ft. deep, and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor.

Land Rolling and
Mountainous 49.50 cho.

Soil, sandy & stony & Rate.

Subdivisions of T₂9 N.R.1W.

Timber, scattering cedars,
Land covered with dense
undergrowth 80.00chs.

N. 89° 58' E.

on a random line bet. secs. 8 & 17,

40.00 Set temp. $\frac{1}{4}$ sec. cor.

80.28 Intersect N. & S. line 2 lks. S.
of the cor. of secs 8, 9, 16 & 17.

Thence down

S. 89° 57' W.

on a true line bet. secs. 8 & 17,

Over Rolling land covered with
dense thick undergrowth.

15.00 Second, bear N. & S.

20.00 Foot descent of 4 ft. bears N. & S.

40.14 Set a limestone 15 x 10 x 4 ins, 10 dia
in the ground for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on N. & 17 on S. faces; dig pits.

Subdivision of T. 29 N. R. 1W.

18 x 18 x 12 in., 84 W. of stone 8 ft
dirt; and raise a mound of
earth $\frac{3}{4}$ ft. base, $1\frac{1}{2}$ ft. high N. of cor.

45.00 Enter scattering scrubby cedars

80.28 The cor. of secs. 7, 8, 17, & 18.

Land Rolling & Mountainous
35,000 acs.

Soil, stony & sandy 4th Rate
Timber, scattering scrubby cedars
Land covered with deer chie
undergrowth, 80,280 acs.

N. 89056' W.

on a random line bet. secs 7 & 18.

48.00 Set temp. # sec. cor.

7992 Intersect W. ldy. of T. p. 2 lks. N.
of the cor. of secs. 7, 2, 13, & 18,
which I established Aug. 27, 1900.

Thence S. run

Subdivision of T. 29 N. R. 1 W.

S. 89° 57' E.

on a true line bet. secs. 7 & 18.

Over Mountainous land covered
with dense buck & cherry brush and
scattering cedar timber.

- 2.40 Ravine, course S.W.
- 15.00 Ridge soft, high, bears N. & S.
- 39.92 Set a limestone 15 x 10 x 5 ins.,
10 ins. in the ground for $\frac{1}{4}$ sec., corner
marked $\frac{1}{4}$ on N. & 18 on 3 faces; set
raise a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high N. of cor. Pit impracticable.
- 49.00 Ridge, bears N.E. & S.W.
- 52.50 Ravine soft, deep, course S.W.
- 65.00 Ridge, bears N.E. & S.W.
- 68.00 Ravine, course S.W. soft below ridge.
- 79.92 The cor. of secs. 7, 8, 19 & 18.
Land, Mountainous.
Soil, stony 4th Rate.

Subdivision of T. 29 N. R. 1 W.

Timber, scattered cedar,
 Mountainous land covered with
 dense chick brush, 1892
 Sept. 19, 1900.

N. 0° 03' W.

bet. sec. 7 & 8.

Over Mountainous land covered
 with dense chick brush.

35.00 Ridge 60 ft. high bears N.W. & S.E.

40.00 Set a limestone 18 x 8 x 7 in., 12
 in. in the ground for $\frac{1}{4}$ sec. cor.
 marked $\frac{1}{4}$ on W. & 8 on E. face;
 dig pit 18 x 18 x 12 in., N.W. of
 stone 3 ft. dist.; and raise a
 mound of earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft.
 high N. of cor.

48.00 Ravine, course, E.

60.00 Train, course, S.E.

Subdivision of T. 29 N. R. 1W.

8000 Set a limestone $15 \times 12 \times 8$ ins,
 10 ins in the ground for cor. of
 secs. 5, 6, 7, & 8, marked with
 5 matches on S. & E. edges; dig pits
 $18 \times 18 \times 2$ ins, in each sec. $\frac{1}{2}$ ft.
 dist.; and raise a mound of
 earth 4 ft. base, 2 ft. high in open
 Land. Mountainous &
 Rolling.

Soil, sandy & stony, + little
 No timber.

Mountainous land or land
 covered with dense undergrowth. ~~8000~~

Sept. 20; at 8^h, 10^{am} A.M., Cent.,
 I set off $1^{\circ} 08\frac{1}{2}'$ N. on the decl. arc;
 $35053' 20''$ on the lat. arc; and
 determine a true meridian
 with the solar at the last named cor.

Subdivision of T. 29 N. R. 1 W.

Thence down

N. 89° 57' E.

on a random line bet. secs. 5 & 8.

42.00 Set trip 1/4 sec. cor.

80.30 Intersect N. & S. line at the cor.
of secs. 4, 5, 8, & 9.

Thence down

S. 89° 57' W.

on a true line bet. secs. 5 & 8.

Over Rolling land, covered
with dense chie undergrowth

6.00 Descend, bears NW, 45 E.

11.00 Ravine course S. 40 ft. deep ascend.

24.00 Top ascent of 40 ft. bears N. & S.

30.45 Road bears N. & S.

40.15 Set a limestone 15 X 10 X 5 ins., 10
ins. in the ground for 1/4 sec. cor.
marked 7 on N. & 8 on S. face,
dig pit 18 X 18 X 12 ins., E. & W.

Subdivision of T. 29 N. R. 1 W.

of stone 3 ft. dist; and raise a
mound of earth $3\frac{1}{2}$ ft. base, $1\frac{1}{2}$ ft.
high N. of cor.

43.00 Ridge 40 ft. above Road, bears N. & S.

47.00 Train, count S.

80.30 The cor. of sec. 5, 6, 7, & 8.

Land, Rolling & Mountainous, 45.00 chs.

Soil, stony & sandy, 4th Rate

Timber, a few scattering cedars

Land covered with dense chis
undergrowth 80.30 chs.

N. 89° 57' W.

on a random line bet sec. 6 & 7.

40.00 Set temp. 4 sec. cor.

79.81 Intersect W. bdy. of Twp. 28th. N. of the
Cor. of sec. 1, 6, 7 & 12, which I
established Aug. 25, 1900.

Subdivision of T. 29 N. R. 1 W.

Thence I run

S. $89^{\circ}58'E$,

on a true line bet. sec. 6 & 7.

Over mountainous land covered
with dense chis & buck brush
gradually ascend rocky slope to S.

29.00 Descend, bears N.E. $45^{\circ}W$.

33.00 Ravine, course S., 60 ft. deep

39.81 Set a limestone $15 \times 10 \times 5$ ins., 10
ins. in its ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N. & 7 on S. face; and
raise a mound of stone 2 ft. base,
 $1\frac{1}{2}$ ft. high N. of cor. Pit impracticable.

79.81 The cor. of sec. 5, 6, 7, & 8.

Land, mountainous 50,000 lbs.
Soil, stony & sandy, 4th Plat.
Timber, a few scattering cedars
Land covered with dense under-
growth 79.81 lbs.

Subdivision of T. 29 N. R. 1 W.

N. 0° 03' W.

on a random line bet. secs. 5 & 6.

40.00 Set temp $\frac{3}{4}$ sec. cor.

80.18 Intersect N. edg. of T. 35 lks. W. of
the cor. of secs. 5, 6, 31 & 32, which
I established Aug. 27, 1900.
Thence run

S. 0° 12' W.

on a true line bet. secs. 5 & 6.

Over Rolling land covered with
dense chieo undergrowth. Ascend

10.00 Ridge, bears E. & W. 40 ft. above cor.

28.00 Road, bears N. W. & S. E.

31.00 Train, course S. E.

40.18 Set a limestone 15 x 10 x 4 ins., 10
ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{3}{4}$ on W. & 5 on E. edge; dig
pits 18 x 18 x 12 ins. N. & S. of stone 3 ft.
dist.; and raise a mound of earth

Subdivision of T. 29 N. R. 1 W.

- 3½ ft. base, 1½ ft. high W. of cor.
- 47.00 Ravine, course S.W.
- 58.00 Small Stream, course N.W.
- 69.00 Ravine, course W.
- 80.78 The cor. of secs. 5, 6, 7, 8.

Land Rolling & mountainous 35.00 chs.

Soil, stony & ^{the} late
No timber.

Land covered with dense
undergrowth 80.18 chs.

Sept. 20; at this cor. cut off
1° 04' N. on the decl. arc; and
at 11^h 53.4^m a.m., lint., I observed
the sun on the meridian; ^{the}
resulting lat. is 35° 53' 20"
which is correct.

I return to the meridian
established Aug. 22, from Paris

Subdivision of T. 29 N. R. 1 W.

at the SW. cor. of the Tp. At
4^h 30^m pm, but, I set off 1° 21' N.
on the decl. arc; 30° 49' on the
lat. arc, and test the adjust-
ment of my solar, finding it
gives the same meridian as
before, and adjustments correct

Sept. 20, 1900

Subdivision of T. 29 N. R. 1 W.

General Description

The land in this township is rough and mountainous in the western part, rolling in the central and eastern, and mountainous in the northeast. There is a scattering growth of scrubby cedars in the eastern part. Cataract Canyon runs across the southwest corner of the township. This canyon is about 300 ft. deep, with walls of limestone from five to fifty feet high. In the eastern half of sec. 31, a dam about 5 ft. high, has been built across

Subdivision of T. 29 N. R. 1 W.

the drain in the bottom of the canyon, which holds water for several weeks after a rainy season. The place is known as "Aha Foo", an Indian phrase, meaning "water pool." There is no place else in the township where there is water at any season of the year. There is a scant growth of grass in the southeastern part of the township.

A limestone formation underlies the whole township, with outcropping ledges in many places. The soil is sandy, gravelly and stony, and practically worthless, except in the wide flat bottom which runs across the

Subdivision of T. 29 N. R. 1 W.

northeastern part of the township where the soil is more of a fertile loam nature, but owing to the lack of rain, it produces nothing but the worthless chics brush. The whole township is covered with a dense growth of this chics brush, an arid, leafless shrub, two to four feet high, which proved to be a serious impediment to chaining. The northeastern and eastern part of the township is drained by the wide flat bottom generally known as Occanino Wash; the remainder drains to Cataract Canyon.

Carl R. Gandy.

U. S. Deputy Surveyor.

For Final Oaths
see Book "8."

A P P R O V A L.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL

Tucson, Arizona.

Dec 27th 1900

The foregoing field notes of the survey of To 29 N. R 2 E W

executed by Carl R Caudle

under his contract No. 70, dated June 13

 , 1900, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

George Christ

U.S. Surveyor General for Arizona.