

Book "B"

2347

483
FEB. 20. 1912

FIELD NOTES

BOOK 2347

OF THE SURVEY OF THE

Tenth Standard Parallel North
through
Ranges 1 and 2 West

Of the Gila and Salt River Meridian,
In the ^{district} State of Arizona

EXECUTED BY

Andrew Nelson

In the capacity of ^{Transitman} U. S. Surveyor, under instructions dated August 25, 1910,
issued by the United States Surveyor General to govern surveys included in
Group No. 3, which were approved by the Commissioner of the General Land
Office, September 7, 1910, pursuant to authority contained in the Act of
Congress dated March 4, 1911.

Survey commenced July 27, 1911.

Survey completed July 28, 1911.

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INDEX DIAGRAM.

Township 41 North, Range 1 West

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<i>Township 41 North, Range 2 West.</i>					
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10th Standard Parallel North.

Chains. Survey commenced July 27, 1911.
For description and text of instru-
ment see Book "A" of this Survey.
At a point 2.5 feet South of the
Corners described in Book A
at a point 2.5 feet South of the
Corners described in Book A
R. S. 1 E. and
1 W. Latitude $36^{\circ}54'09''N$, longitude
 $112^{\circ}19'03''W$, at 9^h 36^m. a.m. l.m.t.
I set off $36^{\circ}54'$ on the lat. arc,
 $19^{\circ}23'N$ on the decl. arc, and determine
a mer. with the solar.

The meridian thus determined
agrees with the line prolonged
from the meridian established by
observations on Polaris, July 24, 1911,
which is the Gila and Salt River
Meridian.

At this station I turn off from
the meridian, an angle of $89^{\circ}58'$ to
the west and run

2.53 $N 89^{\circ}58' W$ on the Secant S. of sec. 36.
Over gently rolling, hilly land
through dense undergrowth of sage.
Old road, bears $N W$ and $S E$.

40.00 Descend 40 ft to
Difference between measurements
of 40.00 chains by two sets of chainmen
is 2 lbs; position of middle point.

By 1st set 40.01 chains.
By 2nd set 39.99 chains; the
mean of which is
North, 1.13 ft. from the secant.
Set an iron post, 3 ft long, 1 in. dia.,
26 ins. in the ground. For Standard
 $\frac{1}{4}$ sec. cor.; subd. on brass cap.

Ascend 90 feet to
66.52 Ravine, course North.
Ascend 100 feet to
Difference between measurements of

Tenth Standard Parallel North
through Range 1 West.

Chains. 80.00 Chains by two sets of chainmen is 1 link; position of middle point.
 By 1st set 80.00 1/2 chains.
 By 2nd set 79.99 1/2 chains, the mean of which is 80.00

Ridge, bears N. and S.
 Set an iron post, 3 ft. long, 3 ins. dia., 24 ins. in the ground for standard cor. of secs. 35 and 36; nkd. on brass cap; T 4 1 N S 35 in NW and R 1 W S 36 in NE quadrants; dig pits 24 x 18 x 12 ins., crosswise on each line, E. and W. 3 ft. dia.; and N. of post, 7 ft. dia.; and raise a mound of earth, 4 ft. base, 2 ft. high N. of cor.

Land, rolling hills; slope to the NE. Soil gravelly and stony, 6 to 15 ins. deep 2nd rate. Subsoil, limestone. Undergrowth, sage brush, horse browse and Cactus on mile.

N 89° 58' 1/2 W. on the secant through sec. 35
 Over gently rolling, hilly land, through dense undergrowth of sage brush and Cactus.

Ascend 50 feet
 Difference between measurements of 40.00 Chs. by 2 sets of chainmen is 1 link; position of middle point.
 By 1st set 39.99 1/2 chains.
 By 2nd set 40.00 1/2 chains, the mean of which is 40.00

South 88 ft. from the secant.
 Set an iron post, 3 ft. long, 1 in. dia., 26 ins. in the ground for standard 1/4 sec. cor.; nkd. on brass cap; S 35 1/4 in N. half; dig pits 18 x 18 x 12 ins., E. and W. of post, 3 ft. dia.; and raise a mound of earth

entire Standard Parallel North through
Range 1 West.

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Chains.

3 1/2 ft. base, 1 1/2 ft. high, N. of cov.
Descend 20 feet to

Difference between measurements of
80.00 Chains, by two sets of chainmen is
2 links; position of middle point:

By 1st set 80.01 Chains.

By 2nd set 79.99 Chains. the mean
of which is

80.00

South 1.5 ft. from the secant.

Set an iron post, 3 ft. long, 3 ins.
dia.; 24 ins. in the ground for
Standard cov. of secs. 34 and 35;
mkd. on brass cap.

T 41 N S 34 in NW. and

R 1 W S 35 in NE. quadrant.

dig pits 24 x 18 x 12 ins. crosswise
on each line, E. and W. 3 ft. dist;
and N. of post, 7 ft. dist; and raise
a mound of earth 4 ft. base, 2 ft. high
N. of cov.

Land gently rolling hills,
slope to the NW.

Soil, gravelly 6 to 20 ins. deep. 2nd rate.

Subsoil, clay and gravel hard pan.

Undergrowth Sage brush and Cactus
on mile.

N 89° 59' W. on the secant, through
sec. 34.

Over gently rolling, hilly, land, through
dense undergrowth of sage brush
and cactus.

Descend, 60 ft to

Difference between measurements of
40.00 Chains by two sets of chainmen
is 2 links; position of middle point:

By 1st set 39.99 chs.

By 2nd set 40.01 chs. the mean
of which is

40.00

South 1.9 feet from the secant.

Set an iron post, 3 ft. long, 1 in. dia;

Tenth Standard Parallel North through
Range 1 West.

Chains 26. ins. in the ground for standard
1/4 sec. cor.; mhd. on brass cap.
S 34 1/4 in N. half. ; dig
pits 18x18x12 ins. E. and W. of post,
3 ft. dist.; and raise a mound of
earth, 3 1/2 ft. base, 1 1/2 ft. high, N. of cov.
Descend 100 feet.

Difference between measurements of
80.00 chains by two sets of chainmen
is 2 links; position of middle point:
By 1st set 79.99 chains.
By 2nd set 80.01 chains. the
mean of which is

80.00 South 2.01 feet. from the secant.
Set an iron post 3 ft. long, 3 ins.
dia.; 24 ins. in the ground for
standard cor. of sec. 33. and 34,
mhd. on brass cap.

T 41 N S 33 in NW. and
R 1 W S 34 in NE. quadrant;
from which
a cedar, 4 ins. dia.; bears N 64° 20' E;
111 lbs. dist.; mhd

T 41 N R 1 W S 34 BT.
raise a mound of stone, 2 ft. base
1 1/2 ft. high, N. of cov.

Pits impracticable.
Land, hilly, slopes to the NW.
Soil, gravelly, 6 to 20 ins deep.
2nd rate.
Subsoil, lime and gravel hardpan.
Undergrowth sagebrush and cactus
on mile.

West, on the secant, through
sec. 33.

Over rolling hilly land, through dense
undergrowth of sagebrush and horse
brose:
Descend 40 feet to
12.00 Enter scattering cedars bear, NE. and SW.

Chains.
 18.66 Parise, Course N W,
 Ascend 40 ft to
 24.00 Spur, projects N W; leave timber
 bears N E. and S W, desc 10 ft to
 26.00 Enter hollow, bears N W. and S E.
 Thence across hollow.
 Difference between measurements of
 40.00 chains, by two sets of chainmen
 is 2 links; position of middle point
 By 1st set. 39.99 Chains.
 By 2nd set 40.01 chains; the
 mean of which is
 40.00 S. outh 1.9 ft. from the secant.
 Set an iron post, 3 ft. long, 1 in.
 dia; 26 ris. in the ground for standard
 1/4 sec. cor; nkd. or brass cap.
 S 3 3/4 in N. half. raise a
 mound of stone, 2 ft. base, 1 1/2 ft. high
 N. of cor. Pits impracticable
 73.00 Wash, 20 lbs wide, 3 ft. deep, course
 North; Ascend hilly land, bears
 N W. and S E, 75 feet to
 Difference between measurements of
 80.00 chains, by two sets of chainmen
 is 2 links; position of middle point.
 By 1st set. 80.01 Chains
 By 2nd set 79.99 Chains; the mean
 of which is
 80.00 S. 1.5 ft. from the secant
 Set an iron post, 3 ft. long, 3 ris. dia;
 24 ris. in the ground for standard
 cor. of secs. 32 and 33; nkd. or brass cap;
 T 41 N S 32 in N W. and
 R 1 W S 33 in N E. quadrant.
 raise a mound of stone, 2 ft. base,
 1 1/2 ft. high, N. of cor.
 Pits impracticable.
 Land, hilly and nearly level in
 hollow, slopes to the N W.
 Soil, rocky and gravelly, 2nd rate

Tenth Standard Parallel North, through
Range 1 West.

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Chains

Subsoil, sandstone, gravel and
Clay hardpan.
Undergrowth, sage brush and
horse browse
Timber, Cedars on 12.00 chains.
Land hilly. 33.00 chains.

S 89° 59' W. on the secant, through
sec. 32.

Over rocky, hilly land, through
sparse undergrowth of sagebrush
and horse browse.

Ascend 40 feet to

15.00

Spur, projects NW.

Descend, rolling, 40 feet to

Difference between measurements of
40.00 chains by 2 sets of chainmen
is 3 links; position of middle point;

By 1st set: 40.01 1/2 chains.

By 2nd set 39.98 1/2 chains; the

mean of which is

40.00

On South slope of low hill.

South .88 ft. from the secant;

Set an iron post, 3 ft. long, 1 in. dia.;

26 ins. in the ground for standard

1/4 sec. cor.; wk'd. on brass cap;

1/4 S 32 1/4 in N half. Raise

a mound of stone, 2 ft. base, 1 1/2 ft.

high, D. of cor.

Pits impracticable.

43.45

Wash, 20 lbs. wide, 2 ft. deep, course

NW.

70.00

Wash, 25 lbs. wide; 2 ft. deep, course

NW; ascend 70 feet to

77.00

Spur, projects NW; desc. 20 ft. to

Difference between measurements

of 80.00 chains by two sets of chainmen

is 1 link; position of middle point;

By 1st set 80.00 1/2 chains.

By 2nd set 79.99 1/2 chains; the

mean of which is

Chains.

80.00

Ravine course NW.
Set an iron post, 3 ft. long, 3 in. dia.; 24 in. in the ground for Standard cor. of secs. 31 and 32. Nhd. on brass cap.
T41 N S 31 in NW, and
R1 W S 32 in NE. quadrant.
raise a mound of stone, 2 ft. base, 1 1/2 ft. high, N. of cor. Pits impracticable
Land rolling and hilly, slopes to the NW.
Soil, rocky and gravelly, 6 to 20 in. deep, 2 to rate.
Subsoil, clay and gravel hardpan.
Undergrowth sage and horse browse on mile.
A few scattering Cedars along E. half mile.

S 89° 58' W; on the secant.

S. of sec. 31.

Over rolling, hilly land, through sparse undergrowth of sage brush and horse browse.

ascend 50 ft. to.

18.00

Spur, projects NW;

Descend 40 ft. to

22.25

Ravine, course NW; ascend 40 ft. to

30.00

Spur, projects NW; descend 30 ft. to

32.60

Ravine, course NW; ascend 25 ft. to

36.00

Spur, projects NW; descend 20 ft. to

Difference between measurements of 40.00 chains by two sets of chainsmen

is 1 link; position of middle point

By 1st set 39.99 1/2 chains

By 2nd set, 40.00 1/2 chains; the

mean of which is

40.00

North, 113 ft. from the secant.

On N. slope of spur,

Set an iron post, 3 ft. long, 1 in. dia;

Tenth Standard Parallel Potts, through
Range 1 West.

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26 ins. in the ground for standard $\frac{1}{4}$
sec. cor.; mhd. ow brass cap:

S 31 $\frac{1}{4}$ in N. half.; raise a
mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft. high.
N. of cor.; Pits impracticable.

44.00
47.00
68.00

Descend 40 ft to
Ravine, course NW; ascend 20 ft. to
Spur, projects NW; descend 40 ft to
Enter hollow, bears NW. and SE.
Soil, deep, rich, sandy loam.

Difference between measurements
of 50.00 chains by two sets of chainmen
is 2 links; position of middle point.

By 1st set, 79.99 chains.

By 2nd set 80.01 chains; the
mean of which is

80.00

North, 2.5 ft. from the secant.
Set an iron post, 3 ft. long, 3 ins.
dia.; 24 ins. in the ground for
standard cor. of T. 41 N., R. 21 and 22 W.
mhd. ow brass cap.

T 41 Now N. half.

R 2 W S 36 in NW. and

R 1 W S 31 in NE. quadrant.

An account of the banks of a wash
I raise a mound of stone, 2 ft. base,
1 $\frac{1}{2}$ ft. high, E. of cor.

Pits impracticable.

Land, hilly and nearly level, slopes
to the NE.

Soil, East, 68.00 chains; rocky and
gravelly, 2nd rate.

West, 12.00 chains, deep, rich, sandy
loam, 1st rate.

Subsoil, gravel.

Undergrowth, sage brush and horse
browse.

July 27, 1911.

Chains.

July 27: At the last point determined on the section on 2.5 ft. South of the standard cov. of TP 41 N; R₁ and 240; at 11^h 13^m. p.m. l.m.t. I observe Polaris at eastern elongation in accordance with Manual of Instructions, and mark the line thus determined, by a tack driven in a stake, 10 chains N. of my station.

July 28: At 7^h 30^m. a.m. I lay off the azimuth of Polaris, 1° 28' to the west and mark the true meridian thus determined, by driving a tack in a stake, firmly set in the ground, 10 chs. N. of my station. The magnetic bearing of this true meridian is N 16° 05' W which gives the mag. decl. 16° 05' east.

At this station I turn off from the mer., an angle of 89° 58' toward the west and run.

N 89° 58' W on the section S. of sec. 36 Wash. 15 lbs. wide, 3 ft. deep.

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Course NW, ascend over hilly land, sparse undergrowth of short sage brush and bunch grass 60 ft. above sec. cov.

26.00

Spur, projects N W, descend 40 ft. to enter hollow, bears N W. and S E.

29.00

Soil, deep, rich sandy loam.

38.61

Wash, 20 lbs. wide, 3 ft. deep, course N W ascend, over hilly land, bears N W. and S E.

Difference between measurements of 40.00 chains, by 2 sets of chainmen is 2 links; position of middle point by 1st set, 40.01 chains.

By 2 rows 39.99 chains; the mean of which is

40.00

North, 1.13 ft. from the section, 20 feet above wash.

Set an iron post, 3 ft. long, 1 in. dia;

Tenth Standard Parallel North, through
Range 2 West.

Chains. 26 ins. in the ground, for standard
 $\frac{1}{4}$ sec. cor.; nkd. on brass cap.
 S 36 $\frac{1}{4}$ in N. half, raise
 a mound of stone, 2 ft. base, 1 $\frac{1}{2}$ ft.
 high N. of cor.; Pits impracticable
 ascend 20 ft. to
 45.00 S pm. projects NW; descend
 rolling 30 ft. to.
 59.63 Wash, 10 lks. wide, 4 ft. deep, course
 NW; thence over rolling land.
 Difference between measurements of
 80.00 chains by two sets of chainmen is
 1 link; position of middle point:
 By 1st set: 80.00 $\frac{1}{2}$ chains.
 By 2nd set: 79.99 $\frac{1}{2}$ chains; the
 mean of which is
 80.00 Set an iron post, 3 ft. long, 3 ins.
 dia.; 24 ins. in the ground for
 standard cor. of secs. 35 and 36,
 nkd. on brass cap.
 T 41 N S 35 in NW. and
 R 2 W S 36 in NE. quadrant;
 dig pits 24 x 18 x 12 ins.; crosswise
 on each line, E. and W.; 3 ft. dia.;
 and North of post, 7 ft. dia.; and
 raise a mound of earth, 4 ft. base,
 2 ft. high N. of cor.
 Land, gently rolling hills.
 Soil, rocky and deep, rich sandy loam
 2 no and 1 st. rats.
 Subsoil, gravel.
 Undergrowth, sage brush, bunch
 grass and horse browse.

28.53 N 89° 58' W. on the secant, through
 sec. 35:
 Over gently rolling hilly land, sloping
 to the North, through sparse under-
 growth of sage brush and horse browse.
 Road from Fredonia to Ryan and
 the Blue-skin Mountains, bears NW. and SE.

Chains	Description	BOOK 2347
40.00	<p>Difference between measurements of 40.00 Chains by two sets of chainmen is 2 links; position of middle point By 1st set. 39.99. Chains. By 2nd set 40.01 Chains, the mean of which is South 88 ft. from the secant. Set an iron post, 3 ft. long, 1 in dia.; 26 ins. in the ground for standard 1/4 sec. cor., mkd. on brass cap; S 35 1/4. in N half; raise a mound of stone, 2 ft. base, 1 1/2 ft. high N. of cor. Pits impracticable.</p>	
66.00	<p>Leave hills, bear N 10° W. and S W., thence across gently rolling bottom land.</p>	
80.00	<p>Difference between measurements of 80.00 chains by two sets of chainmen is 2 links; position of middle point; By 1st set. 80.01 chains. By 2nd set. 79.99 chains; the mean of which is South 1.5 ft. from the secant. Set an iron post, 3 ft. long, 3 ins dia.; 24 ins. in the ground for standard Cor. of secs. 34 and 35; mkd. on brass cap. T 41 N S 34 in NW. and R 2 W S 35 in NE. quadrant; dig pits 24 x 18 x 12 ins; crosswise on each line, E. and W. of post, 3 ft. dist; and N. of post, 7 ft. dist; and raise a mound of earth, 4 ft base, 2 ft, high N. of cor. Land, hilly and gently rolling bottom land, drainage NW. Soil. East. 66.00 chains, rocky and gravelly to 15 ins, dep, 2nd rate. West: 14.00 chains, deep rich sandy loam, 1st rate. Subsoil gravel. Undergrowth, sage brush and horse browse.</p>	

Tenth Standard Parallel North, through Range 2 West.

Chains 0 89° 59' W. on the secant, through sec. 34.
 Over nearly level land, through sparse undergrowth of white sage brush.
 3.68 Road, bears N W. and S E.
 16.50 Kaibab Forest Reserve telephone line bears N 28° 38' W. and S 28° 38' E.,
 31.54 Wash, 10 lks. wide 5 ft. deep. course S
 35.50 East bank of Johnson Creek. wash, 30 ft. high, bears N W. and S.
 35.75 Creek, 4 lks. wide, 1 inch deep, Muddy water. course S 4 Chains thence S 80° W.
 37.00 West bank of wash, bears N. and S 80° W.
 Difference between measurements of 40.00 chains by two sets of chainmen is 1 link; position of middle point
 By 1st set 40.00 1/2 chains.
 By 2nd set 39.99 1/2 chains; the mean of which is
 40.00 Point for cor. falls on edge of wash so at a point 17.2 lks. N. of the secant or 20 lks. N. of the true cor. point.
 I set an iron post for witness cor. to the standard 1/4 sec. cor. N.W. on base exp. T41N R2W WC S34 1/4 on North half; dig pits 18x18x2 ins; E. and W. of post 3 ft. dist; and raise a mound of earth 3 1/2 ft. base, 1 1/2 ft. high, N. of cor.
 44.68 Wash, 8 lks. wide 12 ft. deep. course S. Ascend gradually through short undergrowth of Artemisia and horse browse.
 Difference between measurements of 80.00 chains by two sets of chainmen is 2 links; position of middle point.
 By 1st set 80.01 chains.
 By 2nd set 79.99 chains; the mean of which is
 80.00 25 feet above 1/4 sec. cor.
 South 2.01 feet from the secant

Chains Set an iron post, 3 ft. long, 3 in. dia.; 24
 ins. in the ground for standard cor. of
 sec. 33 and 34, mkd. on brass cap:
 T 41 N S 33 in NW. and
 R 24 W S 34 in NE quadrant.
 Dig pits 24 x 18 x 12 ins crosswise on
 each line, E. and W. 3 ft. and N. of post.
 7 ft. dist.; and raise a mound of
 earth, 4 ft. base, 2 ft. high N. of cor.
 Land nearly level, slopes S W.
 Soil, deep, rich sandy and clay
 loams, 1st. rate
 Subsoil, clay and gravel hardpan.
 Undergrowth white sage, artemisia,
 hored browse and buffalo grass
 on mile.

West, on the secant through
sec. 33.

Over nearly level land through
sparse undergrowth of artemisia
and buffalo grass.

9.00 S. point of hills, bear North, Chain
distaint.

Difference between measurements
of 40.00 chains by two sets of chainmen
is 1 link; position of middle point

By 1st set 39.99 1/2 chains.

By 2nd set, 40.00 1/2 chains, the
mean of which is

40.00 South 1.9 ft. from the secant.

Set an iron post, 3 ft. long, 1 in
dia.; 26 ins. in the ground for standard
1/4 sec. cor.; mkd. on brass cap

S 33 1/4 in N. half; dig
pits 18 x 18 x 12 ins. E. and W.
of post, 3 ft. dist.; and raise
a mound of earth, 3 1/2 ft. base,
1 1/2 ft. high, N. of cor.

56.30 Top of low hill, 10 ft. high.

Difference between measurements

Tenth Standard Parallel North, through
Range 2 West

Chains.

of 80.00 chains by two sets of chainmen
to 2 links. position of middle point:

By 1st set 80.01 chains.

By 2nd set 79.99 chains: the
mean of which is

80.00

South 1.5 ft. from the secant.

Set an iron post, 3 ft. long, 3 in.
dia., 24 ins. in the ground for
standard cor of secs. 32 and 33,
mpd. on brass cap:

T 41 N S 32 in N W. and

R 2 W S 33 in NE quadrant:

Dig pits 24x18x12 ins. crosswise
on each line. E. and W. 3 ft. and
N. of post, 7 ft. dist.; and raise a
mound of earth, 4 ft. base, 2 ft. high,
N. of cor.

Land, nearly level, slopes S E.
Soil, deep rich sandy and clay
loams, 1st rate

Subsoils, Clay and gravel hardpan.
Undergrowth, white sage, artemisia,
horse browse and buffalo grass
on mile

S 89° 59' W on the secant,
through sec. 32.

5:00 Over nearly level land, through
sparse undergrowth of horse browse
Foot of mountainous land, bears N. and S.

9:00 Ascend, abruptly, 100 feet to
spur, projects N E; descend over
rolling shale hills, 30 ft to

13:50 Ravine, course N E; ascend 60 ft. to

19:50 Top of bench, bears N E. and S W.
Ascend gradually, through dense
horse browse and scattering
pear wood.

Difference between measurements
of 40.00 chains by two sets of chainmen
is 1 link. position of middle point.

Chains. By 1st set. 40.00½ Chains.
By 2nd set 39.99½ Chains; the
mean of which is
40.00 40 feet below top of bench.
South. 88 feet from the secant.
Set an iron post, 3 ft. long, 1 in.
dia.; 26 ins. in the ground for
standard ¼ sec. cor.; nkd. on brass cap.
S 32 ¼ in N. half, dig
pits 18x18x12 ins.; E. and W. of post,
3 ft. dist.; and raise a mound of earth
3½ ft. base, 1½ ft. high, N. of cor.
57.80 All road, bears N E. and S W.
60.00 Leave bench; bears N 10° E and S 10° W.
Descend over rolling hills, 100 ft. to
Difference between measurements of 80.00
chains by two sets of chainmen is 3 links,
position of middle point:
By 1st set. 79.98½ Chains
By 2nd set 80.01½ Chains; the
mean of which is
80.00 Set an iron post, 3 ft. long, 3 in. dia.;
24 ins. in the ground for standard
Cor. of secs. 31 and 32, nkd. on brass cap.
T 41 N S 31 in NW. and
R 2 W S 32 in NE. quadrant;
dig pits 24x18x12 ins. Crosswise on
each line, E. and W., 3 ft. and N. of
post, 7 ft. dist.; and raise a mound
of earth, 4 ft. base, 2 ft. high, N. of cor.
Land, nearly level and rolling
hills. Land hilly 34.50 Chains.
Soil, loose sandy loam and stony,
2nd, rate 8 to 20 ins. deep.
Subsoil, shale.
Undergrowth, horse browse, greasewood
and some buffalo grass.
General slope of land NW.

S 89° 5-8' W. on the secant S. of sec. 31.
Over rolling hilly land.

Tenth Standard Parallel North, through
Range 2 West.

Chains through dense undergrowth of sage brush,
horse browse and greasewood.

20.25 Descend 200 feet to
Foot of hills, bears North and S⁴⁵W.
Thence over nearly level land through
sparse undergrowth of Artemisia and horse
browse

Difference between measurement of 40.00
chis. by two sets of chainmen is 2 links,
position of middle point:

By 1st set 40.01 Chains

By 2nd set 39.99 Chains, the mean of which
is

40.00 North 1.13 ft. from the secant.
Set an iron post 3 ft. long, 1 in. dia.; 26
ins. in the ground for standard $\frac{1}{4}$ sec. cor.;
mkd. on brass cap.

S³¹ $\frac{1}{4}$ in N. half.

dig pits 18x18x12 ins., E. and W. of post,
3 ft. dia.; and raise a mound of earth
3 $\frac{1}{2}$ ft. base, 1 $\frac{1}{2}$ ft. high, N. of cor.

79.80 East bank of Kanab Creek Wash.
bears N. and S; thence S⁴⁵W.

Difference between measurements of
80.00 chains by two sets of chainmen is
1 link, position of middle point

By 1st set 79.99 $\frac{1}{2}$ Chains.

By 2nd set 80.00 $\frac{1}{2}$ Chains, the mean
of which is 80.00 chains.

Point for cor. falls in creek,
so at a point 50 links E. of the true
cor. point, or at

79.50 North, 2.5 ft. from the secant.
Set an iron post, 3 ft. long, 3 ins. dia.;
24 ins. in the ground for witness
cor. to the standard cor. of T⁴¹ N.

R² and 3 West; mkd. on brass cap:

T⁴¹ N. in N. half.

R³ W S³⁶ W² in N⁴⁵ W. and

R² W S³¹ in N⁴⁵ E. quadrant.

dig pits 30x24x12 ins., crosswise on

Tenth Standard Parallel North through
Range 2 West.

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Chauis.

each line, E. and W., 4 ft.; and north
of post, 8 ft. dist; and raise a mound
of earth, 5 ft. base, 2 1/2 ft. high. N. of cor.
Land hilly and nearly level.

Soil. East. 20-25 Chauis, heavy red
clay and gypsum soil, 2nd rate.

West 159.25 Chauis, rich loose sandy
and gravelly loam, 1st rate.

Subsoils, shale and gravel.

Undergrowth, artemisia and horse
browse on hills.

July 28, 1911.

For general description see
Book "D" of this survey.

Andrew Nelson.
U.S. Transitman.

For oaths See Book A.

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22
BOOK 2347 I,

....., U. S. Surveyor, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for bearing date of the day of, 191 .., 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

..... of the Meridian, in the State of, 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 and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

.....
U. S. Surveyor.

Subscribed by said, and sworn to before me }
this day of, 191 .. }



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Arizona, June 12, .., 191 2.

The foregoing field notes of the survey of the Tenth Standard Parallel North, through Ranges 1 and 2 West,

executed by Andrew Nelson, under his special instructions dated August 25, .., 191 0, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor General.

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

.....
U. S. Surveyor General.