

Book "A" 83 (1)

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BOOK 2346

FIELD NOTES

FEB. 20. 1912

OF THE SURVEY OF THE

Gila and Salt River Meridian,
 through
 Townships 41^{and} 42 North
 between
 Ranges 1 East and 1 West.

Of the Gila and Salt River Meridian,
 District
 In the State of Arizona

EXECUTED BY

Andrew Nelson

In the capacity of U. S. ^{Transitman} 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 9, 1910, pursuant to authority contained in the Act of
 Congress dated March, 1911.

Survey commenced July 24, 1911.

Survey completed July 27, 1911.

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2000

BOOK 2346

INDEX DIAGRAM.

Gila and Salt River Meridian, through Township 41 and 42 N., between Range's 1 East and 1 West.

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Chains.

Survey commenced July 24, 1911.
and executed with a W. and J. E.
Gurley light mountain transit
No. 9624 with solar attachment.

The horizontal limb is provided
with two double verniers placed
opposite to each other, reading to
single minutes of arc. which is
also the least count of the verniers
of the latitude and declination
arcs.

The instrument was examined,
tested on the true meridian at
Salt Lake City, found correct and was
approved by the Surveyor General
for Utah, April 19, 1911.

At 3^h 06^m P. M. 1. M. T. I set off 37° 00'
on the lat. arc, 19° 59' N. on the decl.
arc, and determine a meridian
with the solar at the 94th mile
cov. on the Utah-Arizona state
boundary line, which is a sandstone
24 x 14 x 14 ins. above md. of stone, m. b. d. and
witnessed as described by the
Surveyor General.

Thence I run

East on the 94th mile line.
Over nearly level land, through
dense undergrowth of sage and
cactus brush.

6.68 Old road, bears N. and S.

12.00 The point to initiate the Esila
and Salt River Meridian,
which is on line between the
94th, and 95th mile posts.

I examine the adjustments of the
transit and correct the level and
collimation errors, then, to test,
the solar apparatus, by comparing
its indications, resulting from
solar observations, made during

Isola and Salt River Meridian through
T. 42 N., between R. 3 E. and 1 W.

Chains A. M. and P. M. hours, with a
meridian determined by observations
on Polaris. I proceed as follows.
At this point, latitude $37^{\circ}30'00''$ N.,
longitude $112^{\circ}19'03''$ W.; I set off
 $37^{\circ}00'$ on the lat. arc, $19^{\circ}58\frac{1}{2}'$ N.
on the decl. arc, and at $4^h 6^m$ P. M.
1. M. T. determine with the solar
a meridian and mark a point
thereof, on a stake firmly set in
the ground 10 chains S. of the cov.
At $11^h 25^m$, by my watch, which
carries correct 1. M. T., I observe
Polaris at eastern elongation, in
accordance with Manual of
Instructions, and mark a point
in the line thus determined, on a
stake driven in the ground, 10 chs.
S. of my station
July 24, 1911.

July 25: at 7:30 A. M. 1. M. T. I lay
off the azimuth of Polaris, $1^{\circ}28'$ to
the west, and mark the mer. thus
determined by driving a tack in the
stake set July 24, on which the
meridian falls 0.2 ins. east of the
mark determined by the solar.

At $8^h 6^m$ A. M. 1. M. T., I set off $37^{\circ}00'$
on the lat. arc, $19^{\circ}50'$ N. on the
decl. arc, and mark a point in the
meridian determined with the
solar, by driving a tack in the
stake already set 10 chs. S. of my
station, this mark falls 0.3 ins. E.
of the meridian established by the
Polaris observation.

The solar apparatus by P. M. and
A. M. observations, defined positions
for meridians, respectively about $0'5''$ W.
and $0'8''$ East of the meridian

Chains.

established by the Polaris observations, therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8^h 30^m. A. M. is $71.16^{\circ}05' W.$; the angle thus determined gives the mag. decl. $16^{\circ}05' E.$

From the initial point, I run South on the Gila and Saer River Meridian over gently rolling land through dense undergrowth of sage brush and cactus.

Descend gradually.

19.55

The calculated distance to the intersection with the S. bdy. of sec. 7, T. 44 S., R. 4 $\frac{1}{2}$ W., Saer Lake Meridian, Utah. At this point I make a careful search but fail to find any trace of the old line.
Care work.

July 25, 1911.

July 26, at 8^h. 06^m. A. M. L. M. T. I set off $37^{\circ}00'$ on the lat. arc., $19^{\circ}37\frac{1}{2}'$ on the decl. arc., and determine a mer. with the solar at this point.

Thence I run South

38.00

Enter dense forest of cedar and juniper fine timber, bears. $77^{\circ} E.$ and $5^{\circ} W.$ Difference between measurement of 47.12 chs., by two sets of chainmen is 2 links; position of middle point.
By 1st set 47.11 chs.

47.12

By 2nd set 47.13 chs., the mean of which is intersect S. bdy. of sec. 7, T. 44 S., R. 4 $\frac{1}{2}$ W., Saer Lake Meridian, Utah. I retrace this line and find its course to be $S 88^{\circ}56' E.$

At my point of intersection, or 5.66 chs., $71.88^{\circ}56' W.$ of the

Gila and Salt River Meridian,
Through T 42 N.; R's 1 E and 1 W.

Chains

Standard cov. of sees. 7 and 8, T 44 S.,
R. 4 1/2 W. cov. 72.56 chs. S 88° 56' E.
of the standard cov. of Tps 44 S.,
R's 4 1/2 and 5 W.; Salt Lake Base
and Meridian, Utah. I set an
iron post, 3 ft. long, 3 ins. dia.,
24 ins. in the ground for closing
cov. to TP. 42 N., R's 1 E, and 1 W.
of the Gila and Salt River Meridian
mhd. on brass cap:

T 44 S R 4 1/2 W S 7 on N half;
CC T 42 N R 1 E S 31 R 1 W S 36

on S. half. from which
a cedar, 12 ins. dia., bears S 33° E.,
99 1/2 lbs. dist.; mhd

T 42 N R 1 E S 31 BT.

a cedar, 15 ins. dia., bears S 32° W.,
91 lbs. dist.; mhd

T 42 N R 1 W S 36 BT.

Land, nearly level, slight slope
to the S W.

Soil, loose sandy loam, 2nd rate.
Subsoil, gravel.

Undergrowth, sage brush and cactus
Timber, cedar and pinon pine on
9.12 Chains.

From the standard cov. of sees.
7 and 8, T 44 S., R 4 1/2 W.; Salt Lake
base and meridian, which is a
cedar post, mhd. and witnessed as
described by the Surveyor General
I retrace West, on 9th Standard
Parallel South, on S. bdy. of see. 7.

40.00

I failed to find any trace of the 1/4 sec. cov.
Difference between measurements of
78.14 Chains is 4 lbs.; position of middle point
By 1st set. 78.13 Chains.

78.14

By 2nd set 78.15 Chains, the mean of which is
Fall 1.46 Chains S. of the Standard
Cov. of TP. 44 S.; R's 4 1/2 and 5 W.

Charis. which is a decayed cedar post. I destroy all trace of this cor. and reestablish it at the same point as follows: Set an iron post 3 ft. long, 3 ins. dia.; 24 ins. in the ground for reestablished Standard cor. of T. 44S., R. 4½ and 5W., Salt Lake Base and Meridian, Utah. mhd. on brass cap.

T 44 S on N half.

R 5 W S 12 in NW. and

R 4½ W S 7 in NE quadrant; dig

furrows 30 x 24 x 12 ins crosswise on each line, E and W. 4 ft. and N. of post 8 ft. dist; and raise a mound of earth, 5 ft. base, 2½ ft. high, N. of cor.

Thence Iron

S 88° 56' E; resurveying on true line, on S. bdy. of sec. 7.

Over rolling land through scattering cedars, sparse undergrowth of sage brush and cactus

39.57 Set an iron post 3 ft. long, 1 in. dia.; 26 ins. in the ground for reestablished Standard ¼ sec. cor.

mhd. on brass cap: S 7¼ on N. half;

from which

a cedar, 8 ins. dia.; bears N 61° 10' W;

66 lbs. dist; mhd.

S ¼ S 7 BT.

a cedar 8 ins. dia. bears S 45° 40' W.

74 lbs. dist; mhd.

S ¼ S 36 BT

58.74 Road, bears N. and S.

63.14 Enter dense timber bears NE. and SW.

72.54 the Closing cor. to T 42 N.; R 1 E. and 1 W.

78.14 The standard cor. of secs. 7 and 8; T 44 S.;

R 4½ W; which is a decayed cedar post.

I destroy all trace of this cor. and reestablish it at the same point as follows:

Set an iron post 3 ft. long, 3 ins. dia.; 24 ins. in the ground for reestablished Standard cor. of secs. 7 and 8. mhd. on brass cap.

T 44 S S 7 in NW and

R 4½ W S 8 in NE quadrant from which

a cedar, 12 ins. dia.; bears N 33° E;

Line and Salt River Meridian through
T42N., R1E. and 1W

Chains.

103 lbs. dist.; *rub*
T44S R4½ W S8 BT.
a cedar, 10 ins. dia.; bears N 31½° W.,
30 lbs. dist.; *rub*
T44S R4½ W S7 BT.

I destroy all marks on the bearings trees South
Land. Rolling slopes S 40.
Soil, loose sandy and heavy clay loam, 2nd rate
Subsoil, gravel.
Timber Cedar.
Undergrowth, Sage brush and Cactus.
Land, heavily timbered 15.00 Chains.

From the Closing Cor. to T42N. R1E. and 1W.
I run
South, between secs. 31 and 36.

Difference between measurements of 12.43 Chains by
two sets of chainmen is .1 link; position of middle point
By 1st set 12.42½ Chains
By 2nd set 12.43½ Chains, the mean of which is

57.5 12.43

Set an iron post, 3 ft. long, 3 ins. dia.;
24 ins. in the ground for cor. of
T41 and 42N.; R1E. and 1W.; *rub*,
on brass cap.

T42N on N. half.
R1W S36 in NW.
R1E S31 in NE.
R1E S6 in SE, and
R1W S1 in SW. quadrant.
T41N in S. half.

from which
a cedar, 8 ins. dia.; bears N 56° 50' E.,
135 lbs. dist.; *rub*

T42N R1E S31 BT
a cedar, 12 ins. dia.; bears S 79½° E.,
34 lbs. dist.; *rub*.

T41N R1E S6 BT.
a cedar, 12 ins. dia.; bears S 22° 10' W.,
42 lbs. dist.; *rub*.

T41N R1W S1 BT.
a cedar, 20 ins. dia.; bears N 46° 40' W.,

Charris.

61 1/2 lks. dist; M.P.D.

T 42 N R 1 W S 36 BT.

Land hilly, slopes to the S W.

Soil, loose sand, 3rd rate.

Subsoil, blue shale.

Timber, dense cedar and juniper
pine.

Undergrowth, sparse horse browse.

Land hilly and heavily timbered.

12.43 Charris.

July 26; at this cor. I set off
19° 35 3/4' N. on the decl. arc,

and at 12^h 06 m. p.m. 1. m. +.

observe the sun on the meridian;

the resulting lat. is 36° 0-9 1/2' N.

Chains. From the Cor. of TPs 41 and 42 N.,
R'S 1E. and 1W. I run
South, bet. secs. 1 and 6.
Over hilly land through dense
forest of cedar and juniper pine; sparse
undergrowth of horse browse.
Difference between measurements
of 40.00 Chains by two sets of chainmen
is 3 lbs.; 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 Set an iron post, 3 ft. long, 1 in. dia.;
26 ins. in the ground for 1/4 sec. cor.;
mkd. on brass cap:
1/4 S 1 on W half.
S 6 on E. half; from which
a cedar, 12 ins. dia.; bears N 53° E.;
68 lbs. dist.; mkd
1/4 S 6 BT.
a cedar, 6 ins. dia.; bears N 32° W.
66 lbs. dist.; mkd
1/4 S 1 BT.
46.00 Leave timber, bears N E. and S W.
Thence over rolling prairie land through
undergrowth of sage brush and
horse browse.
50.20 Wash, 10 lbs. wide, 3 ft. deep. Course
S W.
75.30 Trail, bears N 75° E. and S 75° W.
Difference between measurements of
80.00 Chains, by two sets of chainmen
is 5 lbs.; position of middle point:
By 1st set. 80.02 1/2 Chains.
By 2nd set 79.97 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 cor.
of secs. 1, 6, 7 and 12, mkd,
on brass cap;
T41N on N. half.

chains.
 R1W S1 in NW.
 R1E S6 in NE.
 S7 in SE. and
 S12 in SW. quadrant; 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 hilly and gently rolling.
 Soil, North 40.00 chains, loose
 sand, 3rd rate.
 South 40.00 chains, dep. rich sandy
 loam, 1st rate.
 Subsoil, gravel.
 Timber cedar and juniper pine
 on 46.00 chains.
 Undergrowth sage, horse browse
 and bunch grass on S. 40.00 chains.

South bet. secs. 7 and 12.
 Over gently rolling land, sloping
 SW, covered with a growth of
 bunch grass.
 15:00 West of my line, 10 lks. dist., is a
 road, bears NW and SW.
 18:00 Enter dense undergrowth of sagebrush
 bears NE. and SW.
 Difference between measurements of 40.00
 chs. by two sets of chainmen is 2 links;
 position of middle point
 By 1st set 40.01 chs.
 By 2nd set 39.99 chs; the mean of which is
 40.00 set an iron post, 8 ft. long, 1 in. dia.;
 26 ins. in the ground for 1/4 sec. cor.;
 nkd. on brass cap.
 1/4 S12 on W. half.
 1/4 S7 on E. half; dig pits
 18x18x12 ins., N. and S. of post, 3 ft. dist;
 raise a mound of earth 3 1/2 ft. base,
 1 1/2 ft. high, W. of cor.
 43:25 Road, bears NW and SE.
 53:30 Wash, 40 lks. wide, 8 feet deep,
 Course SW.

Sula and White River Meridian through
T41 N.; R8 E. and 1 W.

Chains. Leave dense sage brush, bears
N E. and S W. Continue through
sparse growth of white sage brush.
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
80.00 Set an iron post, 3 ft. long, 3 ins.
dia; 24 ins. in the ground for cor.
of secs. 7, 12, 13, and 18, mkd.
on brass cap:
T 41 N on N half.
R 1 W S 12 in N W.
R 1 E S 7 in N E.
S 18 in S E. and
S 13 in S W. quadrant; dig
pits 18x18x12 ins. in each. Sec;
5 1/2 ft. dia; and raise a mound
of earth, 4 ft. base, 2 ft. high, W.
of cor.
Land gently rolling and nearly level.
Gentle slope to the S W.
Soil, rich sandy loam 12 to 20 ins.
deep, 1st rate.
Subsoil, gravel hardpan.
Undergrowth, black and white sage
brush and bunch grass.
The south 25.00 chains is subject
to overflow from flood waters.

South, bet. secs. 13 and 18.
Over nearly level land, sloping S W.
through sparse undergrowth of white
sage brush
3.25 Wash, 10 lbs. wide, 6 ft. deep. Course S W.
14.00 Leave land subject to overflow,
bears nearly E. and W.
Thence over nearly level land,
through scattering black sage brush

Chains. Difference between measurements of
40.00 chains by two sets of chainmen is
1 link; position of middle point:
By 1st set 40.00½ chains.
By 2nd set 39.99½ chains; the
mean of which is
40.00 Set an iron post, 3 ft. long, 1 in. dia.
26 ins. in the ground for ¼ sec. cov.
mhd. on brass cap:
¼ S 13 on W. half
S 18 on E. half; raise
a mound of stone, 2 ft. base, 1½ ft.
high W. of cov.
Pits impracticable.

40.50 Wash, 30 lks. wide, 3 ft. deep, course S. W.
74.00 Land nearly level and bears E. and W.
ascend over gently rolling hilly
land.

79.27 Wash, 10 lks. wide, 4 ft. deep, course N. E.
Difference between measurements of
80.00 chains by two sets of chainmen is
1 lb.; position of middle point.
By 1st set 80.00½ chains
By 2nd set 79.99½ chains; the mean
of which is
80.00 Set an iron post, 3 ft. long, 3 ins. dia.;
24 ins. in the ground for cov. of sec.
13, 18, 19 and 24, mhd. on brass cap.
T 41 N. in N. half
R 1 W S 13 in N. W.
R 1 E S 18 in N. E.
S 19 in S. E. and
S 24 in S. W. quadrant; raise a
mound of stone, 2 ft. base, 1½ ft. high
W. of cov. Pits impracticable.
Land, nearly level and hilly.
Soil, North 14.00 chains, deep, rich
sandy loam, 1st rate, gravel subsoil
South 66.00 chains, heavy clay and
stone soil; 2nd rate, hard sandstone
subsoil.

Chains. Undergrowth white and black sage
brush, on mile.

South, bet. secs. 19 and 24.
Ascend over gently rolling hilly land
through dense undergrowth of
black sage brush.

16.00 Thence over rocky land facing N.
Difference between measurements
of 40.00 chains by two sets of chainmen
is 1 link; position of middle point
By 1st set 39.99½ chains.
By 2nd set 40.00½ chains; the
mean of which is

40.00 40 ft. above sec. cor.
Set an iron post 3 ft. long, 1 in. dia;
26 ins. in the ground for ¼ sec cor., nhd. on brass cap.

¼ S 24 on W. half.
S 19 on E. half; raise a
mound of stone, 2 ft. base, 1½ ft. high, W.
of cor. Pits impracticable.

Ascend 80 feet to
Difference between measurements of 80.00
chs. by two sets of chainmen is 1 link;

position of middle point
By 1st set 80.00½ chains.
By 2nd set 79.99½ chains; the mean
of which is

80.00 Set an iron post, 3 ft. long, 3 ins.
dia; 24 ins. in the ground for cor.
of secs. 19, 24, 25 and 30, nhd. on brass cap.
T 41 N on N half.

R 1 W S 24 in NW.

R 1 E S 19 in NE.

S 30 in SE. and

S 25 in SW quadrant; raise
a mound of stone, 2 ft. base 1½ ft. high
W. of cor. Pits impracticable.

Land, gently rolling hills, slope to
the North and NE.

Soil, gravelly and rocky, 3rd rate.

Chains. Subsoil, limestone.
 Undergrowth, sage brush.

South, bet. secs. 25 and 30.
 Over gently rolling hilly land
 through dense undergrowth of
 sage brush.

Ascend 70 ft. to
 Difference between measurements
 of 40.00 chs. by two sets of chainmen is
 2 links; position of middle point.

By 1st set 40.01 chs.

By 2nd set 39.99 chs; the mean
 of which is

40.00 70 feet above sec. cov.

Set an iron post, 3 ft. long, 1 in. dia.
 26 ins. in the ground for $\frac{1}{4}$ sec. cov;
 nkd. on brass cap:

$\frac{1}{4}$ S 25 on W. half.

S 30 on E. half; raise a
 mound of stone, 2 ft. base, $\frac{1}{2}$ ft. high
 W. of cov. Pits impracticable.

Ascend 20 feet to

46.00 Spur, project NW.

Descend 55 feet to

52.50 hollow. Course NW.

Ascend abrupt 60 feet to

56.00 Ascend more gradually 65 feet to
 Difference between measurements of 80.00
 chs. by two sets of chainmen is 3 links,
 position of middle point.

By 1st set 80.01 $\frac{1}{2}$ chs.

By 2nd set 79.98 $\frac{1}{2}$ chs; the mean
 of which is

88.00 Set an iron post, 3 ft. long, 3 ins.
 dia.; 24 ins. in the ground for
 cov. of secs. 25, 30, 35 and 36 nkd.
 on brass cap.

T 41 N. on N. half

R 1 W S 25 in NW.

R 1 E S 30 in NE.

BOOK

Chamiso

S 31 in S E. and
 S 36 in S W quadrant; from which
 a cedar, 10 ins. dia., bears S 58° 34' W.,
 836 lbs. dist; nkd.

T 41 N R 1 W S 36 BT; dig
 pits 18 x 18 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 cov.
 Land, rolling hills; slopes to NE.
 Soil, rocky, 2nd rate.
 Subsoil, limestone and concrete
 hardpan.
 Undergrowth, black, sage brush.
 July 26, 1911.

July 27: At 8^h 36^m. A.M. l. m. t. D red
 of 36° 55' on the lat. arc, 19° 23 1/2' N.
 on the decl. arc, and determine a
 meridian with the solar at the
 cov. of secs. 25, 30, 31 and 36.

Thence I run
 South, bet. secs. 31 and 36
 Over rolling, rocky, hilly land
 through dense undergrowth of sage
 brush and horse brome.

Ascend 60 feet to
 Difference between measurements of
 40.00 chs. by two sets of Chamisso is
 1 link, position of middle point;
 by 1st set 40.00 1/2 chs.

40.00

by 2nd set 39.99 1/2 chs; the mean
 of which is
 Set an iron post, 3 ft. long, 1 in. dia.;
 26 ins. in the ground for 1/4 sec. cov.
 Nkd. on brass cap:

1/4 S 36 on W. half.
 S 31 on E. half. raise a
 mound of stone, 2 ft. base, 1 1/2 ft.
 high, W. of cov; Pits impracticable.
 Ascend 60 feet to.

Difference between measurements of
 80.00 chains by two sets of

Chains.

Chainmen's 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

Note: On account of natural
obstacles I am unable to set this
cor. more than 12 vis. in the ground.
Set an iron post 3 ft. long, 3 vis.
dia; 12 vis. in the ground and a
mound of stone for cor. of TP 40 and
41 N., R's 1 E. and 1 W. mhd.
on brass cap:

T41 N on N. half.

R1 W S 36 in NW.

R1 E S 31 in NE.

R1 E S 6 in SE, and

R1 W S 1 in SW, quadrant.

T40 N on S half; raise
a mound of stone, 2 ft. base, 1 1/2
ft. high, S of cor.

Pits impracticable.

Land, rolling hills, slopes NE.
Soil, rocky and gravelly 6 to 12
vis. deep, 2nd rate.

Subsoil, limestone.

Undergrowth, sage brush and
horse browse on mile.

July 27, 1911

General Description.

Through Tps 41 and 42 N., this line
runs across hilly and rolling
prairie land, covered with undergrowth
of sage brush, rabbit brush, greasewood,
cactus and bunch grass.

The North and South portion of
T. 41 N.; R. 1 E.; and Tps 40 N., R's
1 E. and 4 W. are traversed by low
ranges of hills having a westerly trend

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General Description.

Portions of these T²'s are covered with a scrub growth of cedar timber. The soil is gravelly and stony, and classed 2nd rate.

T41 N.; R31 E. and 140, are traversed by wide valleys, of deep rich sandy loam soil, covered with an undergrowth of white Sage brush and bunch grass.

T41 N.; R140, is watered by Johnson Creek, which flows only in the wet season of the year.

The soil along this creek bottom is deep rich sandy loam.

T41 N.; R31 E. and 140, should be subdivided.

Andrew Nelson,
U. S. Surveyor.

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CERTIFICATE OF ASSISTANTS.

We, the undersigned, hereby certify upon honor that we assisted, to the best of our skill and ability, Andrew Nelson & Walter A. Stumm, U. S. ^{Transitmen} Surveyors, during the periods and in the capacities stated opposite our several signatures, in surveying all those parts or portions of

Gila and Salt River Meridian,

through

T. 41 and 42 N., bet. Rs. 1 E. and 1 W. and

Tenth Standard Parallel North, through Ranges 1 & 2 West.

of the Gila and Salt River Meridian, in the ^{Dist} State of Arizona

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.		CAPACITY.
	BEGUN. 1911	ENDED. 1911	
Park Stumm	July 22	July 28	Chairman
Sted Wright	"	"	Chairman
Ruban W. Riley	"	"	Chairman
Leo Kirkman	"	"	Flagman
Elmer E. Milyard	"	"	Moundman
Conrad Harman	"	"	Moundman
Walter A. Stumm	"	"	Transitman & Chairman

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

Andrew Nelson
 U. S. Surveyor.
 Transitman

18 / 02
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I, Andrew Nelson, U. S. ~~Surveyor~~ ^{Transitman}, do solemnly swear that, in pursuance of special instructions received from the U. S. Surveyor General for Arizona bearing date of the 25th day of August, 1910, 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

Gila and Salt River Meridian through Township 41 and 42 North, between Ranges 1 E and 1 W. Tenth Standard Parallel North, through Ranges 1 and 2 West.

of the Gila and Salt River Meridian, in the ~~State of~~ ^{Dist.} Arizona, 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 Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

Andrew Nelson
U. S. ~~Surveyor~~ ^{Transitman}

Subscribed by said Andrew Nelson, and sworn to before me }
this 29 day of Feb, 1912

Jessie A. S. S. S.
CLERK UNITED STATES DISTRICT COURT
DISTRICT OF UTAH, COLUMBIA WYOMING



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Ariz June 12, 1912

The foregoing field notes of the survey of the Gila and Salt River Meridian through T. 41 N. + from 42 N.; and the Tenth Standard Parallel North through R. 1 and 2 West

executed by Andrew Nelson under his special instructions dated August 25, 1910, 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 _____, has been correctly copied from the original notes on file in this office.

U. S. Surveyor General.