

SEP. 23 1904

1926 Book "M" (1) 1926

1926

BOOK 1926

FIELD NOTES

OF THE SURVEY OF THE

*Subdivisions of
Township No. 12 North,
Range No. 10 East*

1926

1926

Of the *Gila Salt River* Meridian,

District of Arizona

AS SURVEYED BY

Chas. L. Campbell, United States Deputy Surveyor,

Under ~~his~~ *joint* Contract No. *116*, dated *April 15, 1904*, 189

Survey commenced *August 15, 1904*, 189

Survey completed *August 25, 1904*, 189

1926

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NAMES AND DUTIES OF ASSISTANTS.

BOOK 1926

Oliver D. Davis, chairman

C. H. Gault

Chas. M. Brown, secretary

BOOK 1926

INDEX DIAGRAM.

Township 12 North, Range 10 East

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			(42)		(30)		(15)			
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Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1926

WE, *Oliver B. Raser* and *C. H. Goetz*
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of

Subdivisions of P. M. P. & C.

Oliver B. Raser, Chainman.

C. H. Goetz, Chainman.

Subscribed and sworn to before me this *18th*
day of *Aug.*, 19*04*, 189



Chas. L. Campbell
Ch. Supt. Surveyor

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of

_____, Moundman.
_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 189



WE, *I, Chas. M. Brown* and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of

Subdivisions of P. M. P. & C.

Chas. M. Brown, Axman.

_____, Axman.

Subscribed and sworn to before me this *18th*
day of *Aug.*, 19*04*, 189



Chas. L. Campbell
Ch. Supt. Surveyor

I, _____, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of _____

_____, Flagman.

Subscribed and sworn to before me this _____
day of _____, 189



Survey commenced on Aug. 15, 1904, and equipped with an improved H. and W. C. Gurley ~~improved~~ solar compass No. 215, with telescope 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 and tested on the true meridian at Hoboken, N. J., by Geo. Campbell, Civil Engineer, found correct and found approved on June 1st, 1904.

I examined the adjustments of the instrument and found no level or collimation errors. They tested the solar apparatus by comparing its indications, resulting from solar observations made during pm. and am hours with a true meridian determined by observations on Polaris. It proceeded as follows:

At the ^{Bay} 50th ~~High~~ Point of the Black Mesa Reserve, latitude $34^{\circ} 22' 45''$, longitude $111^{\circ} 13' 12''$.
The lat arc

BOOK 1926

Subdivisions of P. D. W. R. 10 C.

~~13° 01' 44"~~
~~13° 40' 07"~~ N. of the ~~lat~~ ^{def.} acc;
 and at 4:40^m P.M. (M.T.),
 determine a meridian and
 mark a point thereof
 on the stone set to chs.
 N. of the cor on Aug. 14,
 1904. This mark falls
 0.4 ins. west of the
 true meridian determined
 by Polaris observations
 at this station on Aug. 14,
 1904 and described by
 Book L, East Pdy. of P.
 10 W. R. 10 C.

August 15, 1904

August 19: At 7:10^m a.m.
 P.M.T. I set off ~~04:40~~ ^{04:40} ~~13° 40' 07"~~ ^{13° 40' 07"}
 on the lat acc; ~~13° 40' 07"~~ ^{13° 40' 07"}
 on the def. acc and
 determine a meridian with
 the solar, and mark a point
 thereof, by cutting a small,
 long narrow groove on
 the stone. (Already set, 5 chs.
 N. of my station; this
 mark falls 0.3 ins. west of
 the meridian determined
 by the Polaris observation
 on Aug. 14th.

The solar apparatus
 by 5m and 9m observations
 defines positions for meridians,
 respectively, about 0' 21"
 west and 0' 16" east of
 the true meridian, deter-
 mined by the Polaris
 observations; therefore, I
 conclude that the

adjustments of the instru-
ment are satisfactory.

The magnetic bearing
of the true meridian
of lat. 25° 20' a.m.l.m.f., is
N. 14° 20' W; the angle
thus determined gives
the mean magnetic
decl. 14° 20' E ✓

Summary

I commence at the 0.5th
^{Bdy.} mile post of the Black
Mesa Reserve Bdy, said post
being the corner of T. & N. R.
is found "E", described here-
tofore. I thence proceed
thence on the S. Bdy. of sec.
06, at 4001 chs., fall 0.6
lbs. N. of the true cor. and
at 8000 chs., fall 0.6 lbs.
N. of the cor. of sec. 05 and
06 on the 0.5th ^{Bdy.} mile post
of the Black Mesa Reserve
Bdy. ^{as described by the Surveyor General.} Crossing south the
S. Bdy. of sec. 06, I bear
S 89° 40' W.

Therefore, my chaining
agrees with the field
notes of the original
survey, while the
bearing of said line is
15' E of that as stated
by the surveyor general.

~~From the 0.5th A ^{Bdy.} mile post
of the Black Mesa Reserve
Bdy, which is an isogon
with bears cap, marked~~

For this mile see
page 4 upper
margin notes
hereto attached

Subdivisions of P. 10 T. R. 10 C.

BOOK 1926

and witnessed as described by the surveyor general, Henry

W. Smith on true line bet. sec. 05 and 06.

Across gradual S slope through heavy timber and scattering undergrowth.

29.00 Top of rock, soft, light, bears C. and th.

32.60 Station road, bears N. 70.0 W. 100 ft.

40.00 Set of ironstone, 20 x 10 x 10

M in. 15 in. in the ground for sec. cor. marked 1/4 on the N. face; from which

A pine, 40 in. dia, bears 7 85° E, 20 lbs. dia, marked 1/4 W. 60° P.

A juniper, 40 in. dia, bears 7 88° W, 10 lbs. dia, marked 1/4 W. 60° P.

51.00 Dry bed of stream, 10 lbs. wide, in ravine, 10 ft. deep, course N.

60.80 trail, bears C. and th.

61.00 dry bed of stream, 10 lbs. wide, in ravine, 50 ft. deep, course N. 80° W.

South point for sec. cor. falls on a stone ledge, 2 x 11 ft. above the ground. At the exact cor. point, I set a cross for cor. of sec. 05, 06, 05 and 06, and marked, north on the S. and E. of ~~cor.~~, from which

A pine, 16 in. dia, bears 7 40° E, 20 lbs. dia, marked 1/4 W. 60° P. 7 45° P.

A pine, 8 in. dia, bears 7 10° E, 20 lbs. dia, marked 1/4 W. 60° P. 7 45° P.

A pine, 2 in. dia, bears

T. 40 N., 40 lbs. dirt, marked
T. 10 N. R. 10 E. T. 10 N. R. 10 E.

A juniper, 5 in. dia, base
T. 40 N., 50 lbs. dirt, marked
T. 10 N. R. 10 E. T. 10 N. R. 10 E.

Land rolling.

Loose, sandy and gravelly,
and and very soft.

Timber, pine, fir and
juniper.

Undergrowth, oak brush, small
pines and shagbark.

Heavily timbered lands, 8 rocks. ✓

T. 59 N. 45 E. on a random line
bet. sec. 25 and 26.

4000 ft temp. 7 sec. cor.

3200 Interest E. body of the tunnel
ship, 21 lbs. of the cor.
of sec. 25, 26, 27 and 28.

Churn & run

T. 59 N. 54 E. on a true line
bet. sec. 25 and 26.

Does rolling land through
heavy timber and dense
undergrowth.

1200 Drift, 20 ft. deep, coarse
T. 10 N.

1200 Spur, 20 ft. high, slopes T.

1200 Left a sandstone, 15 x 12 x 8 in.,

10 in. in the ground, for 7
sec. cor., marked 7 on the
face; from which

A pine, 4 x in. dia, base
T. 20 E., 50 lbs. dirt, marked
T. 10 N. R. 10 E.

A juniper, 4 x in. dia, base
T. 40 N., 50 lbs. dirt, marked
T. 10 N. R. 10 E.

For this mile see
page 5. Supply
metal notes
to attached.

6 Subdivisions of P. 127, R. 10 E

BOOK 1926

65.70 Draw, 150 ft. deep, course S. H.
66.00 Draw, 50 ft. high, slopes S. H.
66.20 The cor. of secs. 25, 26, 25 and 26.

Land, rolling and mountainous
loose, sandy and stony, red
and light color.

Timber, pine, fir, oak and
juniper.

Undergrowth, small pines,
oak brush and chaparral.

Mountainous, heavily timbered
or lands covered with
dense undergrowth.

66.90 chs.

For this mile see
supplemental notes
page 6 facts attached

67.00 north bet secs. 25 and 26.

Over rolling land through
heavy timber and dense
undergrowth.

67.00 Creek, 10 lbs. wide, 1 ft.
deep, good pure water,
in ravine, 150 ft. deep, course
S. H.

68.00 Set a sandstone, 18 x 14 x 6
ins., 10 ins. in the ground.

For 1/2 sec. cor., marked 1/4 on
the N. face; from which

A juniper, 6 ins. dia., bears

N. 60 1/2 E, 40 lbs. dia., marked
1/4 S 25 W 1/2

A juniper, 8 ins. dia., bears

N. 60 1/2 W, 50 lbs. dia., marked
1/4 S 25 W 1/2

68.50 Draw, 50 ft. high, slopes S. H.

69.50 Draw, 150 ft. deep, course
S. H.

80.00 Interest the cor. of secs.
25, 26, 25 and 26, which was
established by me, while

running the Auxiliary Road
 bet secs 24 and 25, on August
 15th.
 Land, rolling and mountainous.
 Soil, sandy and gravelly;
 red and 4th later.
 Timber, pine, oak, fir
 and juniper.
 Undergrowth, small pines,
 oak brush and chaparral.
 Mountainous, heavily timbered
 or lands covered with
 dense undergrowth, 5000 ft.

From the cor. of secs. 1, 3, 11,
 and 12, which was estab-
 lished by me, while running
 the Auxiliary Meridian of
 August 14 (Th).

I found
 N. 50° 01' W. on true line bet. secs
 1 and 2.

Over Mogollon Mesa, gently
 N. slopes, through heavy
 timber and scattering
 undergrowth.

24 & 25 Old Apache Govt wagon
 road, bears E. and N.

25 & 26 Over small ridges and ravines.

26 & 27 Wagon road, to General Springs
 ranch, bears N. 80° E, S. 80° W.

27 & 28 Set a quartz stone, 18 x 14 x 4
 ins., 2 ins. in the ground,

for 1/4 sec. cor., marked
 # over the N. face, from which

A line, 20 ins. dig, bears
 S. 14 1/2° E, 35 lbs. dist, marked
 1, 2, 3, 4.

A further line dig, bears

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

7.45. 50 lbs. dist. marked
L & D P.
70.00 Ravine, 100 ft. deep, corner
N. 00. E.

80.77 Interest near end Standard
Parallel N. 8.55 chs. E. of
the standard 1/2 sec. corner
established by me on sec. 10. 10/15/04
August 17th

At point of intersection
set a sandstone, 26x16x8
ins. 2x ins in the ground,
face closing cor. of sec.
1 and 2, marked C.C.
on N. face, with 1 groove
on E. and 5 grooves on the
S. face, from which

16 in. dig, bore N.
E. 16 lbs. dist. marked
T. 12 N. R. 10 E. V D P.

24 in. dig, bore S.
21 lbs. dist. marked
T. 12 N. R. 10 E. V D P.

Land, rolling.
Loif, sandy, and silt.
Timber, pine, fir, quaking
asp and aspen.

Undergrowth, small pine
and vine maple.
Heavily timbered lands.

80.77 Chs. V
Course of road prevented
taking the latitude
August 19, 1904

August 20th 1904.
From the 38th ^{33rd} Post of
the Black Mesa River Body,
which is the cor. of
sec. 10 and 11, on the V.

Reels of P. 10 N. D. 10 E; which
is an iron post, marked
and witnessed as de-
scribed by the surveyor
general

Run
N. 0. 51 ft. on a true line bet.
sec. 04 and 05

Around over rolling
basin through, scattering
timber and dense
undergrowth.

4.00 Ridge spur, 25 ft. above
cont. slopes N. descend
into East Verde canyon.

1926

5.00 Enter heavy pine timber,
bear S. and N.

6.00 Set an ironstone, 24 x 14 x 10 ins.,
18 in. in the ground, for 1/4
sec. 04, cont. marked 1/4 on the N.
face; from which

A pine, 40 ins. dia, bears
S. 25 1/2 E, 44 lbs. dist. marked
1/4 on N. D. 10 E.

* An oak 24 ins. dia, bears
N. 60 E, 50 lbs. dist. marked
1/4 on N. D. 10 E.

7.00 Ravine, 25 ft. deep, course
N. N. W.

8.00 Spur, 25 ft. high, slopes N. N. W.
Foot of descent, 50 ft. below
5th Blk. Post, bears N. 70 E and
S. 20 W. Does bottom.

9.00 East Verde Creek, 50 lbs wide,
1 ft. deep, stony bottom, good
pure water, course S. 20 W.

10.00 Payson wagon road, bears N. E. and
N. W.

11.00 Around over mountainous land
School house, bears N. 60 E, 25 lbs
dist. on scattering timber
N. N. W.

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

5000 Lef an ironstone, 15x19x 5 ins, 10 ins. in the ground, for cor. of sec. 26, 27, 28 and 29, marked with notches on the N and S notches on the E. edges, from which

An oak, 14 ins. dia, bears N. 50° E., 15 lbs. dia, marked T. 12 N. R. 10 E. S. 28 P. 1

An oak, 12 ins. dia, bears N. 57° E., 15 lbs. dia, marked T. 12 N. R. 10 E. S. 28 P. 1

An oak, 12 ins. dia, bears N. 50° E., 20 lbs. dia, marked T. 12 N. R. 10 E. S. 28 P. 1

An oak, 10 ins. dia, bears N. 50° E., 50 lbs. dia, marked T. 12 N. R. 10 E. S. 28 P. 1

Land, rolling and mountainous.

Soil, sandy and stony, red and white color.

Timber, pine, oak and juniper.

Undergrowth, small pines, oak & brush and chaparral.

Mountainous, heavily timbered or lands covered with dense undergrowth, 5000 ft.

For this mile see page 8 supplemental notes hereto attached

East on a sandy line bet sec. 26 and 29.

4000 Lef top of sec. cor.

5000 Intersection of line, 20 lbs.

Top of the cor. of sec. 25, 26, 27 and 28.

Thence Oriskany

N. 50° E. 40 ft. on a true line bet. sec. 26 and 29.

Subdivisions of T. 10 N., R. 10 E.

Over mountainous land through heavy timber and dense undergrowth.

53.25 Creek, 10 lks. wide, in canyon, 100 ft. deep, course S. E.

54.10 Set a slate stone, 15 x 16 x 8 ins., 15 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on the N. face; from which an oak 8 ins. dia., bore N. 21° E., 30° lks. dist., marked $\frac{1}{4}$ S. 26° W.

$\frac{1}{4}$ An oak, 10 ins. dia., bore N. 25° E., 35° lks. dist., marked $\frac{1}{4}$ S. 35° W.

54.50 Spruce, 100 ft. high, slopes S. H.

61.25 East Verde Creek, 10 lks. wide, in canyon, 100 ft. deep, course S. 10° W. Ascend

through scattering timber.

61.50 Station road, bore N. and S. H.

61.50 Old dim road, bore N. E. and S. H.

61.50 The cor. of secs. 26, 27, 28 and 25.

Land, rolling and mountainous.

Soil, sandy and gravelly, red and 4th etc.

Timber, pine, fir, oak and juniper.

Undergrowth, small ferns and choppers.

Mountainous, heavily timbered or lands covered with dense undergrowth;

50.20 lks. ✓

Subdivisions of T. N. P. Co.

BOOK 1824

N. 50° 11th bet. sec 26 and 27
 Over mountainous land
 through scattering timber
 and dense undergrowth.

2.00 Draw, 20 ft. deep, course S. E.
 19.00 Spur, 50 ft. high, slopes
 toward the N. E.

40.00 Set a split stone, 15 x 10 x
 6 ins., 10 ins. in the ground,
 for 1 sec. cor., marked $\frac{1}{7}$ of
 the N. E. face, from which
 a juniper, 20 ins. dia.,
 bears S. 81° E, 60 lbs. diaf.,
 marked $\frac{1}{7}$ & $\frac{1}{6}$ P. P.

Run oak, 10 ins. dia., bears
 N. 81° W, 56 lbs. diaf., marked
 $\frac{1}{7}$ & $\frac{1}{6}$ P. P.

50.00 Draw, 50 ft. deep, course S. E.
 20.00 Spur, 100 ft. high, slopes
 toward the S. W.

80.00 Set a sandstone, 24 x 12 x 8 ins.,
 10 ins. in the ground, for
 cor. of sec 26, 27, 28 and 29,
 marked with 2 notches on
 the S. and E. edges, from
 which

Run oak, 10 ins. dia., bears
 N. 20° E, 56 lbs. diaf., marked
 P. P. N. P. Co. S. E. P. P.

Run oak, 10 ins. dia., bears S.
 60° E, 58 lbs. diaf., marked
 P. P. N. P. Co. S. E. P. P.

Run oak, 10 ins. dia., bears S.
 62° E, 56 lbs. diaf., marked
 P. P. N. P. Co. S. E. P. P.

Run oak, 8 ins. dia., bears
 N. 45° E, 25 lbs. diaf., marked
 P. P. N. P. Co. S. E. P. P.

Land, mountainous,
 soft sandy, red soil.

Timber, pine and oak.
Undergrowth, oak brush
and chaparral.
Mountainous or land covered
with dense undergrowth
slopes. ✓

August 20: At this sec.
etc., I set off 12^h 25^m N. on
the decl. acc, and at 12^h 04^m
p.m. l.m.t. observe the sun
with the meridian, the
resulting latitude is
34° 24' N, which is correct.

7. 59° 45' C. on a random line
bet. sec. 20 and 26.

4000 ft temp. 1/2 sec. cor.
5000 Interest N. and S. line, 14
lbs N. of the cor. of sec. 20,
24, 25 and 26.

Thence, down
P. 59° 51' N. on a true line
bet. sec. 20 and 26.

Over mountainous land,
through heavy timber and
dense undergrowth.
2000 ft saw, 20 ft dup. course
S. th.

Set a steel stone, 18x10x6 ins,
10 ins in the ground, for
1 sec. cor., marked 1/4 on the
N. face, from which

On oak, 10 ins. dia., base
N. 10 1/2° E. 14 lbs. dia., marked
1/4 S. 20 P.

On oak, 10 ins. dia., base
S. 40° th. 9 lbs. dia., marked
1/4 S. 20 P.

On oak, 10 ft high, base

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

N and S. Enter scattered timber.
4740 Hagon road, bears N. E. and
S. W.

4840 Creek, 10 lks wide, 100 rods,
150 ft. deep, course S. W.

4900 Grain field, bears S. 20 lks.
dirt.

5620 Hagon road, bears N. E. and S. W.

7760 Trail, bears N. W. and S. E.

8000 The cor. of sec. 22, 23, 26 and 27
Land, mountainous.

Soil, sandy and gravelly;
red and 4th rock.

Timber, pine, oak and
quaking asp.

Undergrowth, small pines,
oak bush and chaparral.
Mountainous, heavily timbered
or lands covered with
dense undergrowth; 8000 rocks.

N. 20. 01. W. bet. sec. 22 and 23
Cross mountainous land,
through scattering timber
and dense undergrowth.

4000 Set a sandstone, 10 ft
or 5 ins, 10 ins in the ground
for 1/2 sec. cor, marked 7 of
the 1/2 sec. cor; from which

On oak, 10 ins. dig, bears
N. E., 20 lks. dist, marked
7 of S. 20. 01. W.

On oak, 10 ins. dig, bears
N. 64. 20. 50 lks. dist,
marked 7 of S. 20. 01. W.

4200 S. Pine, 20 ft high, slopes
S. W. Enter heavy timber.

5000 Creek bottom, 10 ft. below
upper, bears S. W. N. E.

Thence over bottom.
 a sandy bed of creek, 50 lks. wide,
 across T. 10. Around
 east of a sandstone, 18 x 12 x 4 ins.,
 12 ins. in the ground, for
 cor. of sec. 14, 15, 16 and
 17, marked with notches
 on the T. and notches on
 the E. edges, from which
 an oak, 10 ins. dia., bears
 N. 20° E. 30 lks. dist. marked
 T. 10 N. R. 10 E. T. 16 B. 1.

An oak, 10 ins. dia., bears
 S. 60° E. 14 lks. dist. marked
 T. 10 N. R. 10 E. T. 16 B. 1.

A juniper, 20 ins. dia., bears
 S. 40° E. 90 lks. dist. marked
 T. 10 N. R. 10 E. T. 16 B. 1.

An oak, 10 ins. dia., bears
 N. 70° E. 60 lks. dist. marked
 T. 10 N. R. 10 E. T. 15 B. 1.

Land, mountainous and
 level.

Soil, rich sandy loam and
 gravelly; 10 ft and red color
 timber, pine, oak and
 juniper.

Blunder growth, small pine,
 oak, brush, laurel and
 chagossol.

Mountainous, heavily timbered
 or lands covered with
 dense undergrowth; 5 rocks.

N. 89° 51' E. on a random
 line bet. sec. 14 and 15.

Let temp. 4 sec. cor.
 Interest T. and T. line at
 the ... 14 15 and

Subdivisions of N. & W. P. 10 E.

BOOK 1826

Thence I run
 S 92 51st on a true line
 bet. sec. 14 and 20.
 Over mountainous land
 through heavy timber
 and dense undergrowth.
 25.75 Cut, 10 lbs. wide, in
 ravine, 150 ft. deep, course
 S. 70.

34.00 Wagon road, bears N. E., S. 70.

38.00 Irrigating ditch, bears S. 70.

40.04 ^{OK} Set a sandstone, 18 x 12 x 10
 ins, 12 ins in the ground,
 for # sec. cor., marked in
 the N. face, from which
 an oak, 18 ins dia, bears
 N. 60° E, 20 lbs. dia, marked
 # 14 P.P.

A juniper, 30 ins. dia,
 bears S. 60° W, 48 lbs. dia,
 marked # 15 P.P.

48.80 Beaver, 100 ft. deep, course S. 70.

60.00 Ridge, 150 ft. high, bears
 N. 60° E S. 70.

72.00 Dry branch, 10 lbs. wide,
 in ravine, 75 ft. deep, course
 S. 70.

80.00 The cor. of sec. 14, 15, 20 and
 20.

Land, mountainous.
 Soil, sandy, red color.
 Timber, Pine, oak and
 juniper
 Undergrowth, small pines,
 oak brush and choppersal
 Mountainous, heavily timbered
 or lands covered with
 dense undergrowth, 80.08 lbs. ✓

August 20. At 4^h 10^m
 P.M. I set off $12^{\circ} 22\frac{1}{2}'$
 N on the lat. arc and
 ~~$12^{\circ} 22\frac{1}{2}'$~~ N on the decl. arc,
 and determining a meridian
 with the solar at the
 cos. of secs. 14, 15, 22 and 23.
 Thence I run
 N. 0-01^h th. bet. secs. 14 and
 15.

Around S. slope of moun-
 tain through heavy
 timber and dense
 undergrowth
 12.00 Creek, 5 lbs. wide, in
 ravine, 50 ft. deep, course
 S. 10^h th. Thence up
 creek.

12.05 Same creek, comes from
 the N. th.

2.10 Same creek, course S. 10^h th.

3.25 Same creek, course S. 10^h E.

Around S. slope of mountain
 4.00 Set a sand stone, 18 x 14 x
 4 in., 10 in. in the ground,
 for $\frac{1}{4}$ sec. cor., marked
 $\frac{1}{4}$ on the st. face, from
 which

A pine, 35 in. dia., base
 S. 10^h E., 41 lbs. dia., marked
 $\frac{1}{4}$ S, 14, 10, 15.

A oak, 24 in. dia., base
 S. 10^h E., 91 lbs. dia., marked
 $\frac{1}{4}$ S, 10, 15, 10.

Note in
 Just a few chains N. of
 this $\frac{1}{4}$ sec. cor., the line
 intersects the great
 Mcgellan River, which is
 impassable; and since
 the land in the river

Subdivisions of P. 1, 2, 7, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

BOOK

1926

is not adopted to any form of agriculture or grazing. It discontinues the survey of this line at the $\frac{1}{4}$ sec. cor. Land, mountainous.

Soil, sandy, red soil. Timber, pine, fir and oak.

Undergrowth, small pines, laurel and choposal.

Mountainous, heavily timbered or lands covered with dense undergrowth, hooches.

Aug. 20, 1904

Aug 21, 1904

Note - Since the Mogollon Rim, extending through the township, is unworkable, it is impossible to subdivide the township in the regular manner.

I commenced at the cor. of secs. 1, 2, 11 and 12 and run

S 89° 51' E on a true line bet. secs. 2 and 11.

Over Mogollon Mesa through heavy timber and scattering undergrowth.

2500 Head of draw, 25 ft. deep, course N.

1400 Ridge, 25 ft. high, steep N.

2500 Over long narrow valley, base N. and S.

2610 Trail, bears N. and S.

3000 Leave valley, base N. and S. and extend

2820 Old Apache Govt. wagon
road, bears N. E. and S. W.
4000 Let an ironstone, 15 x 12 x 6
ins., 10 ins. in the ground,
for 1 sec. cor., marked 1/4
on the N. face; from
which

A pine, 24 ins. dia., bears
N. 1/2 S., 21 lbs. dia., marked
1/4 T & R P.

A pine, 16 ins. dia., bears
S. 1/2 E., 27 lbs. dia., marked
1/4 T & R P.

2850 Over mountain valley,
scattering timber, sand
dense undergrowth

8000 Let a sandstone, 15 x 10 x
8 ins., 10 ins. in the ground
for cor. of sec. 2, 3, 16 and 11,
marked with 5 notches
on the S. and 3 notches on the
E. edges; from which

A pine, 28 ins. dia., bears
N. 1/2 E., 60 lbs. dia., marked
1/4 T & R, 1/2 E & S & R P.

An oak, 12 ins. dia., bears
S. 60 E., 40 lbs. dia., marked
1/4 T & R, 1/2 E & S & R P.

A pine, 28 ins. dia., bears
N. 20 S., 21 lbs. dia., marked
1/4 T & R, 1/2 E & S & R P.

An oak, 12 ins. dia., bears
N. 40 S., 28 lbs. dia., marked
1/4 T & R, 1/2 E & S & R P.

Land, level and rolling,
loam, sandy loam, and
sandy, wet and end water
timber, pine, fir and
quaking asp.

Undergrowth, small pines,
quaking asp and very much

Subdivisions of T. V. P. 10 C.

BOOK 1928

Heavily timbered or lands covered with dense undergrowth, s. bushes

To 01' E. on a true line bet sec. 10 and 11.

Over Mogollon Mesa, mountain valley, scattering timber and dense undergrowth.

5.00 Leave valley, bears N. E. and S. W. and ascend through heavy timber.

14.00 Ravine, 20 ft. deep, course N. W.

31.50 Summit of Mogollon Range, 175 ft. above sec. cor, bears E. and W. descend gradually.

32.45 Old Apache. Good wagon road, bears E. and W.

33.45 Bank of impossible Mogollon Rim, bears E. and W.

35.45 Cut a ledge, 4 x 2 x 1 ft. above ground, marked OK a cross for H. C. 1/4 sec. cor., which falls on impossible rim, marked H. C. 1/4 on W. side of cross, from which

A pin, 16 ins. dia, bears N. 31' E., 45 lbs. dist, marked H. C. 1/4 T. V. P.

A pin, 12 ins. dia, bears N. 10' W., 11 lbs. dist, marked H. C. 1/4 T. V. P.

Note - Long true line

From here on I. to foot
of rim, passes over impos-
sible ground, I discon-
tinue the survey of
said line at this
St. C. & Sec. Cor.

Land, rolling.

Soil, sandy, and silt.

Timber, of pine, fir and
quaking asp.

Undergrowth, small pines,
vine maple and
quaking asp thickets.

Heavily timbered or
lands covered with
dense undergrowth

35. 45 ch. ✓

1926

N. 20° W. on a true line bet
sec. 2 and 3.

Over mountain valley
through scattering timber
and dense undergrowth.

200 Leave valley, bears N. E.
and S. W. and ascend.

1000 Ridge spur, 25 ft. high,
slopes N. E.

2600 Creek, 3000 wide, in
ravine, 100 ft. deep, course
N. 20° W. Ascend.

4000 Set a sandstone, 18 x 9 x 5
ins., 12 ins. in the ground,
for 1/4 sec. cor., marked #
on the N. face; from which

A pine, 6 ins. dia, bears
N. 20° E., 19 lbs. dia, marked
S. 20° W.

A pine, 4 ins. dia, bears
N. 10° W., 12 lbs. dia, marked

Subdivisions of P₁₂ N, R₁₀ E

BOOK 1926

49.05 Ridge spur, 150 ft. high, slopes N. 20° E.

62.50 Hood of canyon, 200 ft. deep, course N. 60° E.

62.55 Trail, bears N. 60° E. and S. 60° W.

80.85 Interest new red stand. Parallel N. 8.80 chs. E of the stand. ^{to sec. 34} sec. cor. established by me on August 17th.

At point of intersection set a sand stone 18 x 12 x 8 ins. 1/2 ins. in the ground, for closing corner of sec. 3 and marked C.C. on the N face, with 2 grooves on the E. end & 2 grooves on the S. face; from which

A pine, 50 ins. dia., bears S. 40 1/2° E., 24 lks. dist., marked P₁₂ N R₁₀ E T 30 P.

A pine, 18 ins. dia., bears S. 25 3/4° E., 90 lks. dist., marked S₁₂ N R₁₀ E T 30 P. Land, rolling.

Soil, sandy, red and red pate.

Timber, pine, fir and chopwood.

Heavily timbered or land covered with dense undergrowth, 80.85 chs.

From the cor. of sec. 33 and 34 which is the 40th Mer. Bdy. Post of the Black Mesa

Forest Reserve, said cor. being an iron post with brass cap, marked and witnessed as described by the surveyor general.

Run N. 0°-02' W. bet. sec. 33 and 34
 Over rolling basin through heavy timber and dense undergrowth.

21.25 Ridge spur, 50 ft. above reg. cor., slopes toward the N. H.

26.00 Top of bank, 50 ft. high, bears N. 60° W., S. 60° E.

32.00 Dry bed of stream, 10 lbs. wide, course S. 60° E.

Set true point for $\frac{1}{4}$ sec. cor., falls on a ridge, 5 x 8 ft, 2 ft above ground. At the east point,

Set a cross for $\frac{1}{4}$ sec. cor. and marked $\frac{1}{4}$ on the N. side of cross, from which a pine, 60 ins. dia., bears N. 43° E., 90 lbs. dist. marked $\frac{1}{4}$ L 34 B P.

An oak, 12 ins. dia., bears N. 2½° W., 110 lbs. dist. marked $\frac{1}{4}$ L 35 B P.

35.00 Ridge spur, 100 ft. high, slopes toward the N. H.

38.00 Creek, 10 lbs. wide, in ravine, 50 ft. deep, course S. 60° W. Over bottom.

41.00 Trail, bears N. E. and S. H.

46.00 Leave bottom, bears N. E. and S. H. and around

Set a sandstone, 18 x 12 x 10 in. in the ground.

BOOK 1928

coe. of sec. 23, 25, 27 and 29,
marked with 1 notch on
the S. end & notches on the
E. edge, from which

An oak, 16 ins. dia, bears
N. 68° E., 29 lbs. dist, marked
T. 12 N. R. 10 E. S. 27 P. 2

An oak, 10 ins. dia, bears
S. 40° E., 20 lbs. dist, marked
T. 12 N. R. 10 E. S. 27 P. 2

An oak, 16 ins. dia, bears
S. 10° E., 20 lbs. dist, marked
T. 12 N. R. 10 E. S. 27 P. 2

An oak, 12 ins. dia, bears
N. 50° E., 29 lbs. dist, marked
T. 12 N. R. 10 E. S. 27 P. 2

Land, level and rolling.
Soil, sandy, red color.
Timber, of pine, oak and
juniper.

Undergrowth, small pines
and oak brush.

Heavily timbered or lands
covered with dense
undergrowth, spruce &
fir.

Cut on a random line
bet. sec. 27 and 29
40.00 Left temp. 7 sec. coe.
80.00 Intersect N. and S. line, 20
lbs. S. of the coe. of sec. 26,
27 & 29 and 25.

1 large tree
S. 89° 45' E. on a true line
bet. sec. 27 and 29.

Over rolling terrain, through
heavy timber and scattering
undergrowth.

8.00 1 tree, 50 ft. high, slopes S.
30° 25' base bottom 50 ft. below

- 4000 ✓ spur, bears N. and S. ✓
 ✓ Let a sand stone, 18x10x5
 ins., 10 ins. in the ground,
 4100 ✓ loc. # rec. cor., marked # of
 the N. V. loc., from which
 A pine, 50 ins. dia., bears
 N. 17 1/2 E, 21 lbs. dia., marked
 # 27 ✓ B P.
 # A pine, 25 ins. dia., bears
 S. 75 1/2 E, 69 lbs. dia., marked
 # 34 ✓ B P.
 4200 ✓ Creek, 10 lbs. wide, course S.
 Recund.
 4200 ✓ Spur, 50 ft. high, slopes S.
 4290 ✓ Dry bed of stream, 10 lbs. wide,
 in ravine, 50 ft. deep, course
 S.
 4500 ✓ Trail, N. and S.
 5224 ✓ A pine, 40 ins. dia. on top,
 I mark with 2 notches on the
 E. and N. sides.
 5235 ✓ Hagon road, bears N. E. and
 S. S.
 5250 ✓ Creek, 5 lbs. wide, in ravine,
 50 ft. deep, course S. 10 E.
 5000 ✓ The cor. of recs. 2245, 50 and
 504.

Land, rolling.
 Soil, sandy, red color.
 Timber, Pine, fir and
 oak.
 Undergrowth, small pines,
 oak brush and chaparral.
 Heavily timbered or lands
 covered with dense
 undergrowth, 5000 ft.

August 21: At 4:00 pm
 left, I set off 2245 50 ft.

Subdivisions of T. 14 N., R. 10 E.

BOOK 1926

on the lat. arc, 12' 2" N. of
the decl. arc, and determining
a true meridian with the
solar at the cor. of sec.
27, 28, 29 and 30.
Hence I run
N. 0° 00' 00" bet. sec. 27 and 28.
Over rolling basin through
heavy timber and scattering
undergrowth.

15.00 Left, dry bed, 10 lbs. wide,
in ravine, 50 ft. deep, course
S. 10° E.

22.00 Same creek, course S. 20° E.

24.00 Same creek, course S. 10° E.
Acquid.

40.00 Left a sandstone, 18 x 10 x 4 ins.,
12 ins. in the ground, for
1/2 sec. cor., marked with
H. face; from which

A pin, 30 ins. dia., bore S.
21° E., 52 lbs. dist., marked with
V 27 @ P.

A pin, 12 ins. dia., bore
S. 40° E., 30 lbs. dist., marked
with V 28 @ P.

52.00 A pin, 40 ins. dia. at top, I
mark with V notches on the
N. and S. sides.

56.00 Trail bears N. E. and S. H.

2000 Acquid. S. slope of moun-
tain through scattering
timber and dense
undergrowth.

5000 Left a sand stone, 18 x 14 x 10 ins.,
12 ins. in the ground, for
cor. of sec. 26, 27, 28 and 29,
marked with V notches on
the S. and E. edges; from which
measure are in limits.

Raised mound of stone,
2 ft. base, 1 1/2 ft. high,
H. G. cor., pits impracticable.
Land, rolling and
mountainous.

Soil, sandy and gravelly,
and red laterite.
Timber, pine, oak and
juniper.

Undergrowth, small pines
and oak bush.

Mountainous, heavily timbered
or lands covered with
dense undergrowth, 8000 ft.
Not being ^{clear} near line of
noon, prevented taking the
latitude.

Aug. 21, 1904

Aug. 22, 1904:-

N. 89° 45' E. on a sandstone ledge
rec. 22 and 27.

Left timber 1/4 sec. cor.

2250 Intersect N. and S. line, 1/4 sec. cor.
North cor. of recs. 22, 23, 24
and 27.

Timber dense

N. 89° 51' E. on a tree trunk
recs. 22 and 27.

Ascend over mountainous land
through heavy timber and
dense undergrowth.

Over spur and draws all
having a southern direction.

2200 Top fence, bears N. 10° and S. E.

2205 Over field, bears N. and S. E.

2210 Leave field, bears N. and S.

Left a sandstone, 18 x 12 x 6 in.,
which is in the ground, for
a specimen, marked 409

For this mile
see page 8
supplement
here to
note attached

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

on N. face; found which
A cottonwood, 10 ins. dia,
bears N. 22° E., 35 lbs. dia,
marked 47 or 48 P.P.

A pine 5 ins. dia, bears N.
41° E., 14 lbs. dia, marked
47 or 48 P.P.

From this cor., the Chose
House of Chose found bears
N. 26° E., 4 lbs. dia.

5300 Enter heavy timber and
dense undergrowth, bore
N. and N.

Over draws and spurs.
2950 N. cor. of sec. 21, 22, 23 and
25.

Land, level and mountainous.
Soil, sandy and gravelly;
and with rotten
timber, pine, fir and
oak, with some cottonwood.
Undergrowth, small pines,
oak, grass and chaparral.
Mountainous, heavily timbered
or lands covered with
dense undergrowth; 5250
chs.

N. 02-02 N. bet. sec. 21 and
22.

Over mountainous land,
through heavy timber,
and dense undergrowth.
Over spurs and draws.

3500 Spur, 100 ft. high, slopes
S.E.

4000 Left a square stone, 18 x 18 x
8 ins., 12 ins. in the ground
for 4 sec. cor., marked
4 on the N. face; found which

A An oak, 20 ins. dia, bears
 N. 46° E, 34 lks. dist, marked
 T 12 P 1

A juniper, 20 ins. dia,
 bears N. 50° E, 90 lks. dist,
 marked T 12 P 1

4500 by branch, 5 lks. wide,
 in ravine, 25 ft. deep,
 course S. E.

> 600 Ridge, 100 ft. high, bears
 N. 44° and S. E.

8000 Let a sand stone, 20 x 10 x
 5 ins., 15 ins. in the ground,
 for cor. of sec. 15, 16, 21 and
 22, marked with 4 notches
 on the S. and E. edges; from
 which

A pier, 8 ins. dia, bears
 N. 64° E, 24 lks. dist,
 marked S. 12 P 10 C
 T 15 P 1

A pier 8 ins. dia, bears T
 89° E, 29 lks. dist, marked
 S. 12 P 10 C T 22 P 1

An oak, 8 ins. dia, bears
 S. 57° E, 19 lks. dist, marked
 S. 12 P 10 C T 21 P 1

An oak, 8 ins. dia, bears
 N. 20° E, 17 lks. dist, marked
 S. 12 P 10 C T 16 P 1

Land, mountainous.
 Soil, sandy and gravelly,
 red and thin soil.
 Timber, pine, oak and
 juniper.

Undergrowth, small pine,
 laurel, and choparrol.
 Mountainous, heavily
 timbered or lands cleared
 with dense undergrowth
 roaches

BOOK 1928

- 40.00 $N. 89^{\circ} 51' E$ on a sandstone line bet sec. 15 and 24. Left temp. + sec. cor.
- 50.14 Intersection of Sand & Clay, 14 lbs. S. of the cor. of sec. 14, 15, 22 and 24
- Thence S run
- 58.92 $S. 89^{\circ} 45' W$ on a true line bet. sec. 15 and 24.
- Over mountainous land. Through heavy timber and dense undergrowth.
- 68.75 Ridge spur, 200 ft. high, slopes S.
- 72.00 Creek, 10 lbs. wide, in ravine, 50 ft. deep, course S.
- 80.57 Set a yard stone, 18x12x10 ins., 12 ins. in the ground, for sec. cor., marked # on the N. face, from which
- An oak, 24 ins. dia, bears
- $N. 85^{\circ} E$, 20 lbs. dist, marked # T. 10 N.
- A pine, 35 ins. dia, bears
- $S. 85^{\circ} W$, 40 lbs. dist, marked # T. 22 R. 10 E.
- 50.00 Ridge, 200 ft. high, slopes toward the S.
- 61.40 Choc Creek, 10 lbs. wide, in ravine, 100 ft. deep, course S.
- 77.40 Branch, 8 lbs. wide, in ravine, 50 ft. deep, course S. E.
- 28.00 Dig a spring on line.
- 80.14 At the cor. of sec. 15, 16, 21 and 22.
- Land, mountainous
- Soil, sandy and gravelly, red and grey color.
- Timber, pine, fir, oak

and juniper.
Undergrowth, small pines,
scrub brush and choparal.
Mountainous, heavily timbered
or lands covered with
dense undergrowth, 50. 24 chs. ✓
T. 12 N.

~~~~~

Note - A few chains N. of  
the cor. of secs. 15, 16, 21  
and 22, the line passes  
up the impossible Mogollon  
Ding; and since this land  
is not adapted to grow-  
ing or agriculture, I  
discontinue the survey  
of this line at the cor.  
of secs. 15, 16, 21 and 22.

From the cor. of secs. 2, 3,  
10 and 11,

I run  
S 89° 45' W on a true line  
bet. secs. 9 and 10.

Over rolling Mogollon  
Mesa through heavy  
timber and scattered  
undergrowth. A small  
geom. fountain valley.

100 Leave valley, bear N. and S. W.  
200 Ridge spur, 100 ft. high, slopes  
N. 20° E. Enter dense undergrowth.

4000 Set an iron stake, 12 x 10 x 6 ins.,  
15 ins. in the ground, for  
1/4 sec. cor., marked 1/4 on the  
N. face; from which

A pine, 15 ins. dia, bears  
North, 16 chs. dist, marked  
1/4 on D. S.

A pine, 12 ins. dia, bears

Subdivisions of T. 127, R. 10 E

BOOK 1926

500 ft, 30 lbs dirt, marked  
T 127 R 10 E

400 ft low valley, 30 lbs wide,  
course N 20 E

8000 ft of sandstone, 12 x 10 x 4  
in, 10 in. in the ground,  
for cor. of sec. 10, 4, 9 and  
10, marked with 5 notches  
on the S and 5 notches on  
the E edge; from which

A fine, 20 in. dig, bears  
N 20 E, 30 lbs dirt, marked  
T 127 R 10 E T 10 P 1

A fine, 20 in. dig, bears  
N 20 E, 90 lbs dirt, marked  
T 127 R 10 E T 10 P 1

A fine, 12 in. dig, bears  
N 20 E, 54 lbs dirt, marked  
T 127 R 10 E T 9 P 1

A fine, 40 in. dig, bears  
N 20 E, 55 lbs dirt, marked  
T 127 R 10 E T 4 P 1

Land, level and rolling,  
loam, sandy, red color  
timber, pine, fir and  
quaking asp.  
Undergrowth, small pines,  
and maple and mountain  
laurel

Heavily timbered, a lands  
covered with dense under  
growth, 5 rocks

T 20 E on a true line bet  
sec 2 and 10

Over rolling N slope of mesa  
through heavy timber and  
dense undergrowth

5.00 Ridge spur, 25 ft high bears  
T 127

Subdivisions of T. 10 N., R. 10 E.

1500 Cove flat, bears N. 10° th. and S. 10° E., scattering underneath  
1700 Leave flat, bears N. 10° th. and S. 10° E.

3000 Spur, 75 ft. high, slopes N. th.  
4000 Left a sand stone, 10 1/2 x 6 ins., 10 ins. in the ground, face E. side, marked #  
Don't the th. face; from which  
Annot, 10 ins. dig, bears N. 30° E., 40 lbs. dist, marked # 10  
D. P.

A pin, 14 ins. dig, bears N. 50° th., 27 lbs. dist, marked # 10  
D. P.  
4000 Cove flat, bears N. 30° th. and S. 30° E.

4500 Leave flat, bears N. th., S. E.  
5200 Summit of Mogollon divide, 200 ft. above sea level, bears E. and th. second gradual S. slope.

5700 Old Apache-Golf wagon road, bears E. and th.

6100 Remnant of impossible Mogollon Rim, bears E. and th.

6100 Left a sand stone, 36 x 18 x 4 ins., 12 ins. in the ground, struck rock and raised mound of stone around, face th. E. of cor. of secs 9, 10, 10 and 10, which falls in the river; marked N. E. of N. E. face; with 4 grooves on the S. and 3 grooves on the E. edge; from which

A pin, 14 ins. dig, bears N. 10° E., 10 lbs. dist, marked N. E. of N. E. face  
D. P. 10 E. S. 10 D. P.

A pin, 20 ins. dig, bears N. 10° th., 24 lbs. dist, marked

# Subdivisions of T. 10 N., R. 10 E.

BOOK 1926

T. 10 N. R. 10 E. S. 9 P. 1  
 Land, low and rolling.  
 Soil, sandy, red earth.  
 Timber, Pine, Fir and  
 no other trees suit able for marking within limits;  
 several a md. of stone 2 ft. base 1 1/2 ft high 2 in. of cor.  
 (to impracticable).  
 Undergrowth, small pines,  
 with maple and laurel.  
 Heavily timbered or lands  
 covered with dense  
 undergrowth, 61.1000.

Aug. 22: At 4:15 pm, C.M.  
 set off 0 4 7 3 7 1/2 W. on  
 the lat. line; 11 4 3 1/2 W. on the  
 decl. line, and determining a  
 meridian with the corner  
 of the cor. of secs. 8, 4, 9 and  
 10.

Thence I run  
 N. 50. 00. W. bet. sec. 8 and 4  
 Over McCallon Mesa, through  
 heavy timber and dense  
 undergrowth.

15.00 Stake, bears C. and H.  
 42.00 Paving, 100 ft. deep, corner  
 N. H.

22.00 Ridge, 100 ft. high, bears  
 N. H. and T. E.

40.00 Set of sand stone, 12 x 6 x 6  
 MK ins., 10 ins. in the ground,

for 1/4 sec. cor., marked 1/4 of  
 the 1/4 face; from which  
 An oak, 10 ins. dia., bears  
 N. 82. 00. E., 21 lbs. dist., marked  
 1/4 T. 10 N. R. 10 E.

41.75 An oak, 6 ins. dia., bears N.  
 20. 00. E., 21 lbs. dist., marked  
 1/4 T. 10 N. R. 10 E.

41.75 A pine on line, 5 ins. dia.,

JK



mark with 2 notches of  
the N. and S. sides.  
6800 Down, 100 ft. deep, course  
N. 20° E.

8000 Interest new <sup>and</sup> Standard  
Parallel N. 8. 54 cho. E. of  
the standard 7 <sup>sec. 33.</sup> est. est. on Aug.  
17th.

At point of intersecting  
of a sandstone, 15x10x4  
ins., 10 ins. in the ground,  
for closing course of sec.  
and 4, I marked C. C. on

N. face, with 3 grooves on  
E. and S. faces; from which 1926

A pin, 16 ins. dia., bears  
N. 15° E. 50 lbs. dist. marked  
T. 10 N. R. 10 E. 7 1/2 P. 1.

A pin, 10 ins. dia., bears  
S. 5 1/2° E. 40 lbs. dist. marked  
T. 10 N. R. 10 E. 7 1/4 P. 1.

Land, level and rolling.  
Soil, sandy and <sup>and</sup> <sup>and</sup>  
sate.

Timber, pine, fir, oak and  
spruce.

Undergrowth, small pines,  
oak, maple, laurel and  
choparral.

Heavily timbered. <sup>or</sup> lands  
covered with dense  
undergrowth, 80. 80 cho.

Overcast at noon prevented  
taking the latitude.

Aug. 22, 1904

August 23<sup>rd</sup> Aug 23<sup>rd</sup> 1904

Aug 23<sup>rd</sup> 1914.

From Poly. post, No. 41 which  
is the face of sec. 32 and 33.

Subdivisions of T. 137, R. 10 E.

BOOK 1926

said cor. being an iron post with base of cop. marked and witnessed as described by the surveyor general.

A run N. 02° 00' th. bet. sec. 33 and 32. Over rolling basin through heavy timber and flat-topping undergrowth.

4000 Set a sand stone, 18x12x8

in. in. in the ground, for exp. cor. marked 4 on the N. face; from which

A pin, 20 in. dig, base N. 62° E, 40 lbs. dist. marked 1 3 3 3 3 3

An oak, 24 in. dig, base N. 65° th. 29 lbs. dist. marked 1 3 3 3 3 3

44.50 Dry bed of stream, 10 lbs. wide, in ravine 50 ft. deep, course S. th.

46.00 Ridge spur, 25 ft. high, slope S. th.

47.85 Creek, 5 lbs. wide, in ravine 100 ft. deep, course S. th.

52.90 A wagon road, base N. 60° E. and S. 60° th.

60.00 Ridge spur, 100 ft. high, slopes toward the N.

78.25 Ravine, 100 ft. deep, course S. 30° th.

80.00 Set a sand stone, 18x12x4 in. in. in the ground.

For cor. of sec. 25, 29, 32 and 33, marked with notch on the N. and 4 notches on the E. edges; from which

A pin, 14 in. dig, base N. 20° E, 36 lbs. dist. marked 1 2 2 2 2 2

41  
A pine, 30 ins. dia, base  
75° E, 47 lbs. dia, marked  
10 N R 10 E T 30 B 9

An oak, 14 ins. dia, base  
60° H, 26 lbs. dia, marked  
10 N R 10 E T 30 B 9

A pine, 30 ins. dia, base  
72° H, 18 lbs. dia, marked  
10 N R 10 E T 30 B 9

Land, rolling.  
Soil, sandy, red color.  
Timber, pine, oak and  
juniper.  
Undergrowth, small pines,  
oak & brush and chokeberry.  
Heavily timbered lands,  
5000 ft.

Out on a random line bet.  
sec. 25 and 30

4000  
7954  
Set temp. 1/4 sec. cor.  
Intersect N. and T. lines,  
40 lbs T. of the cor. of sec.  
22, 28, 30 and 34.

Thence I run  
N. 89° 40' Th. on a true line bet.  
sec. 25 and 30

Pass rolling basin through  
heavy timber, and scattering  
undergrowth.

1840. Oak, 10 lbs. wide, in row  
20 ft. deep, course T.

7660  
A pine, 40 ins. dia, on line,  
I mark with 2 notches on  
E. and H. sides.

8992  
Set a quartz stone, 10x10x  
4 ins., 10 ins. from the ground,  
for 1/4 sec. cor., marked 1/4 on  
the N. face; from which  
A pine, 30 ins. dia, base

## Subdivisions of T. 10 N., R. 10 E.

BOOK 1928

- 7.50 E. 100 lbs. dirt, marked  
 ✓ 28 29
- 8.00 An oak, 12 ins dia, bears  
 6.90 E., 42 lbs dirt, marked  
 ✓ 30 31
- 50.00 Creek, 10 lbs wide, in ravine,  
 50 ft deep, course South.
- 54.00 Pine, 40 ins dia, on line,  
 I mark with 6 notches on the  
 E. and W. sides.
- 61.00 Ridge spur, 100 ft high,  
 slopes S.
- 66.70 Dry bed of stream, 20 lbs wide,  
 in ravine, 50 ft deep, course  
 ✓
- 79.00 Dry bed of stream, 10 lbs wide,  
 in ravine 50 ft deep, course ✓
- 79.84 1/4 cor. of Secs 28, 29, 30 and  
 31.  
 Land, rolling.  
 Soil, sandy, and rocky.  
 Timber, Pine, oak and  
 juniper.  
 Undergrowth, small pines and  
 soft bush.  
 Heavily timbered lands, 79.84 chs. ✓
- 
- 7.02 1/4 cor. of Secs 28 and 29  
 Over rolling basin through  
 heavy timber, and extensive  
 undergrowth.
- 8.00 Dry bed of stream, 20 lbs wide,  
 in draw, 40 ft deep, course ✓
- 14.00 Ridge spur, 50 ft high,  
 slopes S. E.
- 21.25 Enter scattering timber, and  
 dense undergrowth, bears  
 E. and W.
- 22.00 Dry bed of stream, 20 lbs



wide, in cavity 50 ft  
 deep, course T. N. C.  
 4000 Let a sandstone, 18 x 12 x 10  
 MK ins., 10 ins. in the ground,  
 Joe cor. rec. cor., marked #  
 on the N. face; from which  
 a sample, 20 ins. dia., bears  
 N. 30° E, 10 lbs. dia., marked  
 # 2 1/2 P 1  
 An oak, 20 ins. dia., bears N. 45°  
 E, 6 lbs. dia., marked #  
 2 1/2 P 1

7500 Ridge spur, 100 ft high,  
 slopes S. 10° E.

8000 Let a sandstone, 18 x 12 x 10  
 MK ins., 15 ins. in the ground,  
 Joe cor. of rec. cor., 20, 21, 22 and  
 23, marked with 2 notches  
 on the E. and 4 notches on  
 the C. edges; from which  
 a sample, 24 ins. dia., bears  
 N. 50° E, 12 lbs. dia., marked  
 # 1 1/2 P 1 C 1 2, P 1  
 A pine, 24 ins. dia., bears  
 S. 55° E, 12 lbs. dia., marked  
 # 1 1/2 P 1 C 1 2, P 1

No other trees in limits;  
 raised mound of stone,  
 2 ft base, 1 1/2 ft high, th. of  
 cor., pits impracticable.  
 Land, rolling.  
 Soil, sandy sandstone,  
 and and red soil.  
 Timber, pine and oak.  
 Undergrowth, oak brush  
 and laurel.  
 Heavily timbered so lands  
 covered with dense under-  
 growth, 5000 ft

Subdivisions of T. 10 N. R. 10 E.

BOOK 1926

N. 89° 40' E. on a random  
line bet. sec. 21 and 28.  
4.000 Let temp. 1/2 sec. cor.  
50.04 Intercept N and T line,  
15 lks. N. of the cor. of  
secs. 21, 22, 27 and 28.  
I have I run

N. 89° 50' E. on a true line  
bet. sec. 21 and 28.  
Over mountainous land,  
through scattering timber  
and dense undergrowth.

4.50 bear, 50 ft. deep, course S.W.  
30.00 1/2 pole, 20 ft. high, slopes  
toward the S.W.

50.04 Fence, bears N and T

40.00 Let a rapid stone, 15 x 12 x 8  
ins., 12 ins. in the ground,  
1/2 on the N. face, from which  
1/2 on the S. face, 10 ins. dia, bears  
N. 22° E. 15 lks. dist, marked  
1/2 T. 10 N. 10 E.

1/2 A pine, 16 ins. dia, bears T.  
60° E. 40 lks. dist, marked  
1/2 T. 10 N. 10 E.

24.25 bear, 20 ft. deep, course S.E.  
50.04 1/2 cor. of secs. 20, 21, 28 and  
29.

Land, mountainous.  
Soil, sandy and stony; red  
and 4th rate.  
Timber, pine, oak and  
gummers.  
Undergrowth, low, very  
matted and choppy.  
Mountainous or lands  
covered with dense under  
growth, 50.04 chs.

N. 02 00' H. bet. sec. 20 and 21.

Around our mountainous land through scattering timber and dense undergrowth.

4000 Left a sandstone, 18x10x  
 10 ins, 10 ins. in the ground, for 1/4 sec. 20, marked 1/4  
 on the N. face; from which

A pine, 10 ins. dia, bears N. 65° E., 17 lbs. dia, marked 1/4  
 1/4 20 P. 1.

A juniper, 10 ins. dia, bears N. 51° W., 10 lbs. dia, marked 1/4  
 1/4 20 P. 1.

4900 Ridge of spruce, 20 ft. high, slopes N. E.

5600 Draw, 100 ft. deep, course N. E.

7100 Spruce, 100 ft. high, slopes toward the N. E.

8000 Left a sandstone, 18x10x10 ins, 10 ins. in the ground, for cor. of sec. 16, 17, 18 and 21, marked with 8 notches on the N. and 4 notches on the E. edges; from which

A pine, 8 ins. dia, bears N. 80° E., 8 lbs. dia, marked 1/4  
 1/4 20 P. 1 E 1/4 20 P. 1.

An oak, 8 ins. dia, bears N. 80° E., 17 lbs. dia, marked 1/4  
 1/4 20 P. 1 E 1/4 20 P. 1.

An oak, 6 ins. dia, bears N. 76° W., 40 lbs. dia, marked 1/4  
 1/4 20 P. 1 E 1/4 20 P. 1.

An oak, 10 ins. dia, bears N. 51° W., 16 lbs. dia, marked 1/4  
 1/4 20 P. 1 E 1/4 20 P. 1.

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

Land, mountainous. Soil, sandy and stony, red and yellow color. Timber, oak, pine, and fir, with some juniper. Undergrowth, oak brush, laurel and choppers. Mountainous or lands covered with dense undergrowth, 5000 ft.

Aug. 23<sup>rd</sup> - At 3.5 m. P.M. l.m.t. I set off 34° 25' N on the lat arc. 11° 22' N on the decl arc and determine a meridian at the cor to sec. 16, 17, 20 and 21

N. 59° - 50' E. on a random line bet. sec. 16 and 21. 4000 ft temp. 1/4 sec. cor. 5000 intersect N and S line 14 lbs. N. of the cor. of sec. 15, 16, 21 used &c.

of line I run S. 89° 56' W. on a true line, bet. sec. 16 and 21.

Ascend over mountainous land, through heavy timber and dense undergrowth.

1070 S. pine, 100 ft. high, course S. E.

2000 Spring branch, 5 lbs. wide, in ravine, 100 ft. deep, course S. W.

4000 Set a sand stone 14 x 12 x 6 ins. 1/2 in. in the ground, for 1/4 sec. cor., marked 1/4 at the N. face, from which

A pine, 6 ins. dia, bears N. 62° W. 1/2 lbs. dia, marked 1/4 V 16 P. I.

A pine, 6 ins. dia, bears S. 40° E. 14 lbs. dia, marked 1/4 V 16 P. I.



5000 ft. high, 100 ft. high, slopes  
S.E.; scattered timber  
8000 ft. deep, 25 ft. deep, course  
S.E.

5000 ft. cor. of secs. 16, 17, 20 and  
21, marked

Land, mountainous.  
Soil, sandy and stony,  
red and with slate. Timber,  
pine, oak and juniper.

Undergrowth, oak bark,  
haudel and chaparral.  
Mountainous, heavily  
timbered or land covered  
with dense undergrowth  
& rocks.

Aug. 23, 1904

Aug. 24, 1904.

Note - Since the line, a  
few chs. N. of the cor. of  
secs. 16, 17, 20 and 21, passed  
up the impossible MacGowan  
Pine, and the land is not  
adapted to grazing or  
agriculture, I discontinued  
the survey of this line at  
the cor. of secs. 16, 17, 20 and  
21.

August 24. At 2:15<sup>pm</sup> I  
left, I set off 34° 25' N.  
on the lat. acc; 11° 41' W. on  
the decl. acc; and determining  
meridian with the solar  
at the cor. of secs. 3, 4, 9 and  
16.

Since I run  
S 92° 56' W. on a true line  
of sec. 4 and 9.

Subdivisions of T. & N. R. & C.

BOOK 1928

X

- 5.00 ✓ Steep descent ✓
- 7.50 Creek, 5 lks. wide, in course  
125 ft. deep, course N. 5° E.
- 7.70 Trail, N and S
- 20.00 Ridge, 100 ft. high, slopes  
N. & S
- 40.00 Set a quartz stone, 18x6x4  
ins., 1 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor, marked  $\frac{1}{4}$   
on the N. face, from  
which  
A pin, 28 ins. dig, bears  
N. 45° E., 60 lks. dist, marked  
 $\frac{1}{4}$  S. & P.
- \* A pin, 20 ins. dig, bears  
S. 53° E., 60 lks. dist, marked  
 $\frac{1}{4}$  S. & P.
- 49.00 Over quaking asp.  
thicket in valley, bears  
N. and S.
- 56.00 Trail, bears N. and S.
- 56.50 Leave valley, bears N. and S.
- 65.00 Divide, 200 ft. high, bears  
N. and S.
- 65.25 Hagon road from Apache  
craft to Long valley with  
mint, bears N. and S.
- 20.95 A pin, 40 ins. dig, bearing,  
I mark with 3 notches on  
the E. and H. sides.
- 80.00 Set a sand stone, 18x12x4  
ins., 1 ins. in the ground,  
for cor. of sec. 4, 5, 8 and  
9, marked with 5 notches  
on the S. and 4 notches on  
the E. edges, from which  
A pin, 20 ins. dig, bears  
N. 45° E., 60 lks. dist, marked

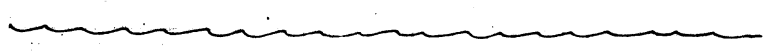
OK P. 10 N., R. 10 E.  $\nabla$   $\times$   $\circ$   $\circ$   
 A pine, 30 ins. dia., bears  $\nabla$   
 S. 81° E., 25 lbs. dia., marked  
 P. 10 N., R. 10 E.  $\nabla$   $\times$   $\circ$   $\circ$

A pine, 10 ins. dia., bears  $\nabla$   
 45° Th., 15 lbs. dia., marked  
 P. 10 N., R. 10 E.  $\nabla$   $\times$   $\circ$   $\circ$

A pine, 30 ins. dia., bears  $\nabla$   
 51° Th., 40 lbs. dia., marked  
 P. 10 N., R. 10 E.  $\nabla$   $\times$   $\circ$   $\circ$

Land, rolling.  
 Soil, sandy sand gravelly;  
 red and 4th cat.  $\nabla$   
 Timber, pine, fir and  
~~oak~~

Undergrowth, small firs, birch,  
 maple and quaking asp.  
 Heavily timbered lands,  
 8000 ft.  $\checkmark$



S. 0° 00' E. ~~Ext~~ bet. sec. 8 and 9  
 Ascend rolling N. slope  
 on Mogollon Mesa through  
 heavy timber and scattering  
 undergrowth.

- 10.00  $\nabla$  Pine, 50 ft. high, slopes N. Th.
- 19.00  $\nabla$  Pines, 20 ft. dia., course N. Th.
- 20.00  $\nabla$  Pine, 100 ft. high, slopes  
 toward the N. Th.  $\nabla$
- 28.50  $\nabla$  Over narrow valley, bears N. Th.  
 and  $\nabla$  60° E.

4.00  $\nabla$  Let a sand stone, 18 x 12 x 4  
 A pine, 10 ins. in the ground,  
 for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$   
 on the N. face, from which

A pine, 30 ins. dia., bears  $\nabla$   
 59° E., 15 lbs. dia., marked  
 P. 10 N., R. 10 E.  $\nabla$   $\times$   $\circ$   $\circ$

A pine, 14 ins. dia., bears  $\nabla$   
 47° E., 15 lbs. dia., marked

Subdivisions of T. 12 N., R. 10 E.

BOOK

1926

$\frac{1}{4}$  T. 12 N. & R. 10 E.

From this  $\frac{1}{4}$  sec. cor., the line S. passes over a rough, mountainous region and down the impassible Mogollon Rim. Since this land is not adapted to grazing or agriculture, I discontinued the survey of this line at the  $\frac{1}{4}$  sec. cor.

Land, rolling and mountainous. Soil, sandy and gravelly, red and  $\frac{1}{4}$  th. color. Timber, pine, fir and quaking asp. Undergrowth, small pines, pine spruce and laurel. Heavily timbered or mountainous land, ~~the~~ so etc.

N. 0-02. St. bet. sec 4 and 5. descend over rolling N. slope of Moxa through heavy timber and scattering undergrowth.

22.50 Step descent into valley.

40.00 Marked a cross on top of bluff,  $\frac{1}{2}$  ft. above the ground. <sup>marked  $\frac{1}{4}$  sec. cor.</sup> from which a quaking asp, 14 ins. dia, bears N. 88. St. 64 lbs. dia, marked  $\frac{1}{4}$  T. 12 N. & R. 10 E.

No other trees in limits; a P. Q. on a ledge 10 x 5 x 6 ft. above ground, bears  $\frac{1}{2}$  N. 88. St. 64 lbs. dia. marked  $\frac{1}{4}$  sec. cor. <sup>marked  $\frac{1}{4}$  sec. cor.</sup> ~~marked  $\frac{1}{4}$  sec. cor.~~ <sup>marked  $\frac{1}{4}$  sec. cor.</sup>

✓

2



40.25 Practicable  
Foot of descent, 300 ft.  
below rec. cor., base C.  
and N. Over valley.

47.00 Trail, base N. 20° E. and  
S. 10° W.

48.75 Leave valley, base N. 20° E.  
S. 20° W. and ascend along  
N. side of valley.

80.00 Intersect new 2nd Standard  
Recalled N. 8.54 chs. E of  
the standard & rec. cor. <sup>on S. side of 2nd 32</sup>  
established by me on August  
17th.

At point of intersection  
set a sand stone, 24x18x8  
ins. ~~firm~~ in the ground.  
In closing corner of rec.

1926

marked S. C. on  
the S. face, with 4 grooves  
on the E. and 2 grooves on  
the N. face; from which

A pine, 10 ins. dia., base  
S. 10° E., 34 lbs. dia., marked  
P. 10 N. R. 10 E. T 4 P. 1.

A pine, 24 ins. dia., base  
10° E., 10 lbs. dia., marked  
P. 10 N. R. 10 E. T 5 P. 1.

Land, level, rolling and  
mountainous.

Soil, sandy loam and  
gravelly; T1 and 2d rate.  
Timber, pine, fir and  
quaking asp.

Undergrowth, small pines  
and maple and laurel.

Mountainous, heavily  
timbered or lands covered  
with dense undergrowth;

80.50 chs. ✓  
August 27. At this

Subdivisions of P. 14 N. R. 10 E.

48  
BOOK 1928

closing corner, I set off  
11.2 ft. on the def. acc; and  
at 12.200 p.m. l.m.f., observe  
the sun on the meridian;  
the resulting latitude is  
34° - 25' N., which is correct.

From the 4<sup>th</sup> and <sup>Bdy.</sup> sec. part  
of the Black Mesa Reserve  
Bdy, which is the cor. of  
secs. 01 and 02, said cor. being  
an iron post with base cast,  
marked and witnessed as  
described by the surveyor  
general.

Drum  
No. 1010 ft. bet. secs. 01 and 02.  
Over rolling basin through  
heavy timber and scat-  
tering undergrowth.

4000 ft. 9 pound stone, 18x12x8  
in. in. in the ground, for  
1. sec. cor., marked 1/4 on the  
N. face, from which

A pin, 0.5 in. dia, bears  
N. 62° E, 40 lbs. dist, marked  
1/4 T 01 @ P.

A pin, 0.4 in. dia, bears  
N. 60° E, 29 lbs. dist, marked  
1/4 T 01 @ P.

4400 by bed of stream, 5 lbs.  
w/ide, in ravine, 5 ft. deep,  
course T. H.; dense undergrowth.

4600 Ridge spur, 20 ft. high,  
top of T. H. descent.

4700 Creek, 5 lbs. wide, in canyon  
100 ft. deep, course T. H.

5200 across road, bears N. 60° E. and  
N. 60° E. scattering timber.

Subdivisions of T. 12 N., R. 10 E.

60.00 Ridge, spec, 20 ft. higher  
steps T. 10.

78.25 Paving, 100 ft. deep, course  
T. 20 ft.

80.00 Left 9 sandstone, 18x14x5  
ins., 10 ins. in the ground,  
for cor. of recs. 29, 30, 31 and  
32, marked with 1 notch on  
the S. and 5 notches on the E.  
edges; from which

A juniper, 10 mo. dig,  
marks N. 170 E., 26 lbs. dist.  
marked T. 12 N., R. 10 E. T. 20  
P. 9.

No other trees in limits;  
raised mound of stone, 8 ft  
base, 1 1/2 ft. high, th. of cor.,  
pits imperceptible.

Land, rolling  
Soil, sandy sand stone; red  
and 4th rate. T  
Timber, pine, oak and  
juniper.

Undergrowth, small pine,  
oak brush and chaparral.  
Heavily timbered or lands  
covered with dense under-  
growth, 5 rocks. ✓

East on a random line bet  
recs. 29 and 32

40.00 Left temp. T. rec. cor.

80.00 Interesting N. and S. line, 31 lbs.

Top of the cor. of recs 28, 29, 30  
and 31,

Juniper, 1 run

T. 8 at 47 ft. on a true line  
bet. recs. 29 and 32.

Rolling basin through

Subdivisions of P. N. H. R. 10 E.

BOOK 1928

- heavy timber and scat-  
terific undergrowth.
- 10.05 Pines, 4 ins. dia, 17 in. high.  
Small with notches on the  
E. and H. sides.
- 16.00 Big stock coral bears N, 2 chs.  
dip
- 26.20 bed of stream, 10 lbs.  
wide, in ravine, 5 ft. deep,  
1 course ✓
- 40.12 Let a sandstone, 25 x 14 x 4  
ins, 2 ins in the ground,  
for a big cor, marked 1/4 of  
the N. face; from which  
A pine, 14 ins. dia, bears N.  
89° E, 9 lbs. dia, marked  
1/4 of 29 P.
- 41. A pine, 10 ins. dia, bears  
N. 85° E, 10 lbs. dia, marked  
1/4 of 29 P.
- 55.15 Hagon road, bears N. 10 th. and  
N. 10° E.
- 2000 Ridge spur, 50 ft. high, slopes  
N. 10 th. Outer vegetation  
timber and dense under-  
growth.
- 8000 the cor. of sec. 29, 30, 31 and  
32.

Land, rolling.  
Soil, sandy and gravelly;  
red and 4th rate. ✓  
Timber, pine and oak.  
Undergrowth, small pines, oak  
bush and laurel.  
Heavily timbered or lands  
covered with dense under-  
growth, 80.04 chs ✓

Aug. 24, 1904



4000 Shief on a random line  
bef. recs. 00 and 01.

4000 Let temp. 1/2 rec. 000.

4860 Intersect St. Rdy. of the Sp.

21 lbs. 7/8 of the cor. of recs.  
00, 00, 00 and 00 which is  
a sand stone, 8x10x5 ins.

Above the ground, worked  
and withdrawn as described  
by the surveyor general.

Thence I run

N. 89° 01' E. on a true line  
bef. recs. 00 and 01.

Ascend the slope of moun-  
tain through scattering  
timber and dense under-  
growth.

21.60 Ravine, 100 ft. deep, course  
S. 20° W.

4820 Let a sand stone, 2x4x5 ins.,  
18 ins. in the ground, for

1/2 S. cor. worked 1/2 on the  
N. face, from which

A juniper, 8 ins. dia, bears  
N. 60° W., 14 lbs. dist, marked

1/2 S. 08° W. 1/2  
A juniper, 6 ins. dia, bears  
S. 60° W., 30 lbs. dist, marked

4600 Spur, 100 ft. high slopes  
S. 20° W.

51.80 Day bed of stream, 50 lbs.  
bed, in ravine, 100 ft.  
deep, course S. 10° W.

Over rolling land.

4860 The cor. of recs. 00, 00, 01 and  
00.

Land, rolling and mountainous  
soil, sandy and gravelly,  
red and 1/4 th. etc.  
timber, pine, oak and

Subdivisions of P. & H. D. S.

BOOK 1928

*juniper*  
Undergrowth, small pines,  
sage brush and laurel.

Mountainous or lands covered  
with dense undergrowth  
S. 60 E. S. V



N. 50. 00' E. bet. sec. 29 and 30.

Around over rolling land  
through scattered timber  
and dense undergrowth.

17.61 Hagon road, bet. N. 80 E.  
and T. 50. 00'

20.10 Ravine, 5 ft. deep, course S. 20 E.

22.40 Trail, bet. E and H.

23.00 Around S. slope of moun-  
tain.

40.00 Lift a sand stone, 24x12x6

8K in, 18 in, in the ground,  
Joe & ray cor, marked 7 of

the H. Joe; from which

A *juniper*, 10 in dia, bet. S

N. 40. 00' E, 20 lbs. dia, marked

1 S 29 D P

A pine, 14 in dia, bet. S

30. 00' H, 10 lbs. dia, marked

1 S 29 D P

X 41.00 Ridge spur, 250 ft. high,  
slopes S. 80. 00' E.

54.40 Key bed of stream, 10 lbs

wide, in ravine, 150 ft.

deep, course S. H.

Around

50.00 Lift a sand stone, 16x12x6

in, 18 in in the ground.

Joe cor. of sec. 29, 30, 22 and

30, marked with 5 notches

on the S. and 5 notches on

the E. edges; from which

A *juniper*, 10 in dia, bet. S

N. 29° E., 11 lbs. dirt, marked  
T. 10 N. R. 10 E. T. 20 D. 1

An oak, 5 ins. dia, base  
N. 49° E., 15 lbs. dirt, marked  
T. 10 N. R. 10 E. T. 20 D. 1

A juniper, 18 ins. dia, base  
N. 89° th. 2.5 lbs. dirt, marked  
T. 10 N. R. 10 E. T. 20 D. 1

An oak, 8 ins. dia, base N.  
53 1/2 th. 4.5 lbs. dirt, marked  
T. 10 N. R. 10 E. T. 19 D. 1

Land, rolling and  
mountainous.  
Soil, sandy and gravelly;  
red and 4th cote.  
Timber. Pine, oak and  
juniper.

Undergrowth, small pines,  
oak brush, laurel and  
chaparral.

Mountainous, heavily  
timbered or lands forested  
with dense undergrowth  
8 rocks



N. 89° 47' E. on a random  
line bet. sec. 20 and 29.

4000 ft. temp. 1/2 sec. cor.  
Entered N. and S. lines  
at the cor. of sec. 20, 21, 28 and  
29.

Thence N. run  
S. 89° 47' th. on a true line bet.  
sec. 20 and 29

Went over mountainous  
land through heavy timber  
and dense undergrowth.

Road saw, 100 ft. deep, corner T. E.  
Sec. 20, 150 ft. high, base T. E.  
Set a sand stone, 10 x 10 x 8 ins.

# Subdivisions of T. 10 N., R. 10 E.

BOOK 1928

OK 10' ins. in the ground, from  
1/2 sec. cor, marked 7/8 on the  
N. face, from which  
A pine, 5 ins. dia, bore N. 10 1/2  
W. 20' lks. dist, marked 7/8  
S. 20' P.

On rock, 5 ins dia, bore  
7 1/2 W. 10 lks. dist, marked 7/8  
S. 20' P.

57.00 Cut, 6 lks wide, in ravine,  
25 ft. deep, course S. E.  
Cross spurs and draws.

58.08 1/4 sec. of secs. 19, 20, 21 and 22.  
Land, mountainous.

Soil, gravelly; red color.  
Timber, pine, oak and  
juniper.

Undergrowth, oak brush and  
laurel.

Mountainous or lands covered  
with dense undergrowth.

58.10 1/2 ch. ✓

S. 89° 51' W. on a random  
line bet. secs. 19 and 20.

40.00 1/2 sec. temp. 1/2 sec. cor.

58.80 Intersect 7/8 N. Body of the  
township, 2 lks. N. of the cor.  
of secs. 19, 24, 25 and 26,  
which is a sand stone, 8 x 8 x 4  
ins. above ground, marked  
and witnessed as described  
by the surveyor general.

A fence runs

N. 89° 54' E. on a true line  
bet. secs. 19 and 20.

Ground over mountainous  
land through heavy timber  
and dense undergrowth.

58.00 1/2 sec, 100 ft high, slopes S. E.



38.80 Set a sand stone, 18x12x6  
ins., 15 ins. in the ground,  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$  on the  
N. face; from which no trees,  
suitable for marking or  
implants; raised mound of  
stone, 2 ft. base, 1 1/2 ft. high,  
N. of cor., pits imperceptible.

46.80 Dry branch, 10 lbs. wide,  
in ravine, 100 ft. deep; course  
S. E.

59.80 Ridge spur, 70 ft. high,  
slopes toward the S. E.

58.80 Intersect the cor. of secs.  
19, 20, 29 and 30.

Land, mountainous.  
Soil, gravelly; red color.  
Timber, pine, fir and  
oaks.  
Undergrowth, small pines,  
saw brush and laurel.  
Mountainous, heavily timbered  
or lands covered with  
dense undergrowth, 28.8 rocks.

1926

August 25. At 3:05 P.M.  
from I set off  $34^{\circ} 44' N.$   
on the lat. arc,  $10^{\circ} 44' N.$   
on the decl. arc, and  
determine a meridian  
with the poles at the  
cor. of secs. 19, 20, 29 and 30.

Between I run  
N. 02 03' W. bet. secs. 19 and 20.  
Ascend over mountainous  
land through heavy timber  
and scattering under-  
growth.

Spur, 100 ft. high, slopes S. E.

# Subdivisions of P. 12 T. 23 S. E.

BOOK 1926 4000

OK  
Left a sandstone, 18 x 14 x 6  
ins., 12 ins. in the ground.  
for  $\frac{1}{4}$  sec. cor., marked  $\frac{1}{4}$   
on the N. face; from  
which

A pine, 5 ins. dia., bears  
N. 31° E., 18 lbs. dist., marked  
 $\frac{1}{4}$  V 20 D 9.

A pine, 14 ins. dia., bears  
N. 42° E., 54 lbs. dist., marked  
 $\frac{1}{4}$  V 15 D 9.

### Notes

The line from this cor  
on N., passes over the  
impassible Mogollon Rim,  
and since the land is  
not adapted to grazing  
or agriculture; I discontinue  
the survey of this line at  
this  $\frac{1}{4}$  sec. cor.

The land is secs. 5, 6, 7 and  
8 is rough and mountainous  
and is more valuable  
for timber than for  
grazing or agriculture;  
therefore, I discontinue  
any further subdivisions  
of this township  
land, mountainous.

Soil, gravelly, red color.  
Timber, pine, oak and  
juniper.  
Undergrowth, small pines,  
oak brush and chaparral.  
Mountainous, heavily  
timbered or lands covered  
with dense undergrowth.  
Hobocho

August 20, 1904

Note:

The old potato ranch lease brs. from the  
cor. to T. 12 N., R. 9 and 10 E., approximately  
N. 58.12 E. dist.

### General Description.

This township is level,  
rolling and mountainous.  
Under the Mogollon Rim  
the land is mostly level  
and rolling with occasional  
valleys and flats.  
Along the East Side  
there are several  
good ranches. The land  
above the rim is level  
and rolling, while in  
secs 5, 6, 7 and 8 there are  
many deep ravines and  
high spurs. The General  
Spring ranch is situated  
in Sec. 1. There are  
mountain valleys extending  
through sections, e. and  
4. The Mogollon Rim  
extends through the  
central part of the township  
from section 1 to section  
9. This strip is very  
rough and mountainous and  
is mostly impassible.  
Since it is not adapted  
to any form of grazing  
or agriculture, the  
subdivisions lines west

Subdivisions of T. 12 N., R. 10 E.

BOOK 1928

just extended to the  
rim from the N. and S.  
This township is covered  
with spruce, oak and  
juniper timber. The  
undergrowth is mostly  
small pines, oak brush  
and laurel with some  
vine maple.

There is an abundant  
growth of grass both above  
and below the rim.  
The region is well watered  
by creeks, branches,  
springs and wells.

No indications of valuable  
minerals were found; the  
formation above the rim  
being sandstone; and  
below the rim, mostly  
granite.

There are many roads  
and trails extending over  
the township.

Palucey has a well  
improved ranch in section  
14. McClockley has a good  
farm in section 23 and  
there are smaller farms in  
sections 14, 23, 26 and 27 and  
27. The Chase place  
is situated in section 22 and  
27.

Chas. D. Campbell  
U. S. Geol. Surveyor  
Aug. 25, 1904

Note  
No one authorized  
to administer oaths.



other than myself, being available, without great delay, inconvenience and expense, therefore I administer the required preliminary and final oaths.

Chas. D. Campbell.  
 U. S. Dept. Surveyor.

Note.

The settler in sec. 29 brs.  $N 50^{\circ} W$ . 48 chs. dist. from cor. of sec. 28, 29, 32 and 33.

In sec. 14 brs.  $N 50^{\circ} E$ . 50 chs. dist. from the cor. to secs. 14, 15, 22 and 23.

In sec. 26 brs.  $P. E.$ . 45 chs. from the cor. of secs. 22, 23, 26 and 27.

In sec. 23 brs.  $N. E.$  25 chs. dist. from the cor. to sec. 22, 23, 26 and 27.

In sec. 23 brs.  $N 20^{\circ} E$ . 68 lbs. dist. from the cor. to sec. 22, 23, 26 and 27.

(For red ink corrections see deputy's letter dated Dec. 18/1904.)

LIST OF NAMES.

BOOK 1926

A list of the names of the individuals employed by Chas L Campbell

....., United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Subdivisions of Twp 10 N, R 10 E showing the respective capacities in which they acted:

Oliver B. Raser ✓ ..... Chainman.

C. H. Goetz ✓ ..... Chainman.

..... Moundman.

..... Moundman.

Chas. M. Brown ✓ ..... Axman.

..... Axman.

..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Chas L Campbell

....., United States Deputy Surveyor, in surveying all those parts or portions of the Subdivisions of Township No. 10 North, Range No. 10 East

..... of the Salt River meridian, State of Oregon, which are represented in the foregoing field notes as having been surveyed 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 surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor General for Oregon

Oliver B. Raser ✓ ..... Chainman.

C. H. Goetz ✓ ..... Chainman.

..... Moundman.

..... Moundman.

Chas. M. Brown ✓ ..... Axman.

..... Axman.

..... Flagman.

Subscribed and sworn to before me this 23rd day of August, 1904



Chas L Campbell  
U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

65  
BOOK 1926

I, Chas L Campbell, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Hayden & Ingalls United States Surveyor General for Arizona, bearing date of the 18th day of April, 1894, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Subdivisions of T. 12 N. & North Range No. 10 East of the Gila and Salt River meridian, in the State of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States 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; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

Chas L Campbell  
United States Deputy Surveyor.

Subscribed by said Chas L Campbell, and sworn to before me }  
this 21st day of Aug, 1904, 189



A. M. Truett  
Clerk District Court in and for  
the County of Cochise Arizona

APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A. T., December 24<sup>th</sup>, 189 1904

The foregoing field notes of the survey of the subdivisional lines of T. 12, N. & 10 E., of the Gila and Salt River Base and Meridian, in the territory of Arizona

executed by Chas L Campbell, U. S. Deputy Surveyor under joint his contract No. 116, dated April 18<sup>th</sup>, 1904, 189, 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  
United States 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.~~

~~United States Surveyor General.~~

Continued

Copied Jan. 18/08 66

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Book "M"

Copied Jan 18/08.

Supplemental  
FIELD NOTES  
of Correction  
OF THE SURVEY OF THE

BOOK 1926

Subdivisions

of  
T. 12 N. R. 10 E.

of the Gila and Salt River Base & Meridian,  
Territory of Arizona.

AS SURVEYED BY

Chas L. Campbell

United States Deputy Surveyor,

Under <sup>joint</sup> ~~his~~ Contract No. 116, dated April 18<sup>th</sup>, 1907.

Survey commenced April 8, 1907

Survey completed April 9, 1907



## NAMES AND DUTIES OF ASSISTANTS.

Floyd M Pyle chairman and moundman  
Henry W Farrell " and flagman

Floyd M Pyle Axman  
Charles L. Campbell axman chairman and  
moundman.

BOOK 1926

INDEX DIAGRAM.

Township 12 North, Range 10 East

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

Meanders Page.....

PRELIMINARY OATHS OF ASSISTANTS.

BOOK 1926

WE, Floyd M. Pyle and Henry H. Farrell do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Correcting Survey Contract No. 116.

Floyd M. Pyle, Chairman.  
Henry H. Farrell, Chairman.

Subscribed and sworn to before me this ninth day of April, 1907



Charles L. Campbell  
U. S. Dept. Surveyors

WE, I, Floyd M. Pyle do solemnly swear that we will well and truly perform the duties of moundman in the establishment of corners, according to the instructions given us, to the best of ~~our~~ skill and ability, in the survey of Correcting Survey Contract No. 116

Floyd M. Pyle, Moundman.  
Moundman.

Subscribed and sworn to before me this ninth day of April, 1907



Charles L. Campbell  
U. S. Dept. Surveyors

WE, I, Floyd M. Pyle do solemnly swear that we will well and truly perform the duties of axman in the establishment of corners and other duties, according to instructions given us, to the best of ~~our~~ skill and ability, in the survey of Correcting Survey Contract No. 116

Floyd M. Pyle, Axman.  
Axman.

Subscribed and sworn to before me this ninth day of April, 1907



Charles L. Campbell  
U. S. Dept. Surveyors

I, Henry H. Farrell, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Correcting Survey Contract 116

Henry H. Farrell, Flagman.

Subscribed and sworn to before me this ninth day of April, 1907



Charles L. Campbell  
U. S. Dept. Surveyors

BOOK 1926

Corrective Survey commenced on the 5th of April, 1907, and executed with a brand S. E. Gurley improved solar compass, No. 20, with telescopic 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 vernier of the latitude arc; the declination arc reads to thirty seconds.

The solar instrument was examined, tested on the true meridian of the U. S. Geological Survey Camp Flagstaff, Arizona, on April 5th, 1907, and was found correct.

I now reexamined the adjustments of the instrument and find them correct. Thus to test the solar apparatus by comparing its indications, resulting from solar observations made during p. m. and a. m. hours with a meridian determined by observations on Polaris, I proceed as follows: At my camp at General Springs 40.00 chs. N. E. of the cor. of sec. 1, 2, 11 and 12, T. 12 N., R. 10 E., latitude  $34^{\circ} 28' N$ ; longitude  $111^{\circ} 13' W$ , I set off  $34^{\circ} 28'$  on the lat. arc;  $0^{\circ} 05' N$  on the decl. arc, at 4:00 p. m. determining a meridian with the solar, and mark a point



BOOK 1928

thrust on a stone, firmly set in the ground, 5.00 Chs. N. of my station.

At 10<sup>h</sup> 48<sup>m</sup> P.M., by my watch which is 3<sup>m</sup> fast V.G. L.M.T., I observe Polaris, in accordance with Manual of Surveying Instructions, and mark the direction thus determined by driving a tack in a stake firmly set in the ground, 5.00 Chs. N. of my station.

Astron. time by watch April 5th 10<sup>h</sup> 48<sup>m</sup> 00  
 Watch fast 3.00

Astron. L.M.T. of obs. April 5th 10<sup>h</sup> 45.00

|                         |                                     |
|-------------------------|-------------------------------------|
| U.C. Polaris, April 5th | 23 <sup>m</sup> 52.4 <sup>s</sup> ✓ |
| Red. to April 5th       | 23 <sup>m</sup> 56 <sup>s</sup> ✓   |
| Subtract                | 24 <sup>m</sup> 18.0 <sup>s</sup>   |
| U.C. Polaris April 5th  | 0 2190 2190                         |

Hour Angle - Time Argument 10<sup>h</sup> 23<sup>m</sup> 10<sup>s</sup> ✓

Azimuth of Polaris 0° 35' ✓

April 5, 1927

April 9th: At 7<sup>h</sup> 30<sup>m</sup> A.M. L.M.T. I lay off the azimuth of Polaris 0° 35' to the E. and find that the meridian thus

determined coincides with  
the meridian that was  
determined at this station  
by the solar.

At 8<sup>h</sup> 10<sup>m</sup> a.m. (m.t.) set off  
84° 28' N on the lat. arc; 30° 20'  
N on the decl. arc; and deter-  
mine a meridian with the  
solar and find that said  
meridian, thus determined  
coincides with the meridian  
that was determined by the  
Polaris observation.

The solar apparatus by p.m. 1926  
and a.m. observations, defines  
positions for meridians that  
coincide with the meridian  
that was determined by the  
Polaris observations; therefore I  
conclude that the adjustments  
of the instrument are satisfactory.  
The magnetic bearing of the  
meridian at 8<sup>h</sup> 15<sup>m</sup> a.m. (m.t.)  
is N. 14° 30' W; the angle thus  
determined gives the mean  
magnetic declination as  
14° 30' E.

I comming at the 3<sup>rd</sup> mile post  
on the Black Mesa Forest Reserve  
Road, which is an iron post with  
brass cap, firmly set in the  
ground, marked and  
witnessed as described by  
the surveyor general.  
Since I run  
No. 011th bet. Secs 35 and 36  
Crossing & slop through scattering  
timber and dense undergrowth

BOOK 1926

39.00 Top of spue, 100 ft. above canyon, slopes th descend into canyon and

40.00 Station road, bears N. 70° E, 70° th

40.00 Let an iron stony, 20 x 15 x 10 ins., 15 ins. in the ground, for 1/2 sec. cr., marked 1/4 on the th face; from which

A pine, 40 ins. diam. bears N. 60° E, 56 lbs. dist., marked 1/4 V 105 R 1/2

A juniper, 20 ins. dia, bears N. 48° th, 43 lbs. dist., marked 1/4 V 105 R 1/2

40.70 Dry bed of stream, 10 lbs. wide, in canyon, 20 ft. deep, course th. Descend over rough, mountainous V. slope.

41.00 Trail bears E and th

42.00 Dry bed of stream, 5 lbs. wide, in basin 50 ft. deep, course th still ascending general V. slope.

42.70 Top of mountainous ascent, 200 ft. above foot of canyon, bears E and th. Over rolling lands.

43.00 Let a sand stony, 18 x 12 x 10 ins., 4 ins. in the ground, struck rock and raised a mound of stony around, for cor. of sec. 25, 26, 27 and 28, with a notch on the S and E edges; from which

A pine 15 ins. dia, bears N. 14° E, 87 lbs. dist., marked 1/4 107 R 10 C V 105 R 1/2

An oak, 10 ins. diam, bears V. 30° E, 20 lbs. dist., marked 1/4 107 R 10 C V 105 R 1/2

A pine, 7 ins. dia, bears V. 62 1/2° th, 44 lbs. dist.

For this mile see my notes page 33.

marked 127, 130 & 133 BOOK 1926  
V 26 P 2

A juniper, 8 ins dia, base  
N. 56° E, 49 lbs dia,  
marked 127, 130 & 133  
V 26 P 2

Land, rolling and mountainous.  
Soil, sandy, gravelly and  
stony, red and dk. red.  
Timber, juniper, pine, fir and  
cedarwood, also some oak.  
undergrowth, oak brush, small  
timber, mesquite, cactus and  
laurel.

Mountainous, heavily timbered  
no lands covered with  
dense undergrowth, no rocks

East on a random line bet  
secs 25 and 26. for this mile see  
page 5 orig  
notes.

40.00 Left camp 1/2 sec. cor.

29.64 Entered E. Dry. of the 3<sup>rd</sup>  
4. 1/2 cor. N. of the cor. of sec.  
25, 26, 27 and 28, described  
in original notes.

Thence I run  
N. 89° 58' E. on a true line bet  
secs. 25 and 26

Ascend over mountainous  
land, through heavy timber  
and dense undergrowth.

1.75 Saw, 25 ft. deep, course V. H.

14.00 Locus, 50 ft. above draw, slopes  
V. H.

16.50 Saw, 25 ft. deep, course V. H.

23.00 Locus, 125 ft. above draw, slopes  
V. H.

29.80 Hit a sand stone, 15 x 12 x 8 ins, 10 ins  
in the ground, for 1/2 sec. cor.



BOOK 1928

marked  $\frac{1}{4}$  on the N. face,  
from which,

A pine, 24 ins dia, bears  
N. 80° W. 100 lbs dist  
marked  $\frac{1}{4}$  V 25 P 2

A juniper, 24 ins dia,  
bears V 40° W, 65 lbs,  
dist, marked  $\frac{1}{4}$  V 36 P 2

51.00 Saw 200 ft deep course V. th  
66.00 Pine, 15 ft. above draw, slopes  
V. th. Over rolling lands,  
through scattering timber,  
having heavy timber, bears N. E  
and V. th. V

79.64 1/4 cor. of sec. 25, 26, 25 and  
26.

Land, rolling and moun-  
tainous.

Soil, sandy and gravelly,  
and red clay.

Timber, juniper, pine, oak and  
alder. Undergrowth, small  
timber, oak brush, mesquite  
and cactus.

Mountainous, heavily timbered  
or lands covered with dense  
undergrowth, 79.64 chs.

For this mile  
see orig. notes  
page 6.

N. 80° W. bet. sec. 25 and 26.  
Over rolling lands, through  
scattering timber and dense  
undergrowth.

17.41 Creek, 6 lbs wide, in canyon,  
200 ft. deep, course V. th. V. slope  
rolling land and around  
mountainous V. slope.

48.00 Let a sand stone, 16 x 14 x 5 ins, 11 ins.  
in the ground, from 1/4 cor. sec. 25,  
marked  $\frac{1}{4}$  on the N. face, from

which,

A juniper, 6 ins dia,  
bears N. 83 1/2 E, 40 lbs  
dist. marked 1/4 V  
20' B P ↓

A juniper, 8 ins dia, bears  
N. 69 1/2 W, 54 lbs, dist.  
marked 1/4 V 20' B P ↓

40.00 Plus, 150 ft. above creek, slopes  
T.H. Descend

51.50 Daving, 200 ft. deep, course T.H.  
Ascend mountainous T. slopes, 25 ft. to

80.00 The original corner of secs. 23, 24,  
25 and 26 as marked, witnessed  
and described in original  
notes.

Land, rolling and mountainous  
Lois, sandy land gravelly, and  
and red clay.

Timber, pine, juniper and oak, 1926  
undergrowth, oak brush, mes-  
quite, small timber and  
cactus.

Mountainous, heavily timbered  
or lands covered with dense  
undergrowth, 50.00 cks

From the original corner of  
secs. 26, 27, 28 and 29, marked,  
witnessed and described as  
in original notes, I run  
East on a random line bet. secs  
26 and 29.

40.00 Set timber 1 sec cor.

80.00 Intersect N. and T. line, 2 cks N.  
of the cor. of secs. 25, 26, 27 and  
28

Run

Correcting Survey, S 12 N, E 18 E

For this mile  
see page 76  
orig. notes  
BOOK 1926

N 89° 59' E on a true line bet  
secs 26 and 25.

Over rolling land through  
scattering timber and dense  
undergrowth.

10.00 Team rolling land, bears N. and  
V. and descend into canyon.

25.00 Creek, 10 lbs wide, in canyon, 25 ft  
deep, course V. th.

40.00 Intersect the 1/4 sec cor. marked,  
witnessed and described as in  
original notes.

44.50 Creek, 20 ft above / creek, slopes V. th.

61.00 Creek, 5 lbs wide, in canyon, 25 ft  
deep, course V. th. Obund.

63.90 Hagon road, bears N. E. and V. th.

79.60 Hagon road, bears N. E. and V. th.

80.00 The original cor. of secs. 26, 27,  
24 and 25, marked, witnessed  
and described as in original  
notes, 15 ft. above creek.

Land rolling and mountainous.

Soil, sandy and gravelly, 2nd  
and 3rd strata.

Timber, oak, pine, juniper and  
cottonwood; undergrowth, small  
timber, oak brush and magnolia.

Mountainous or lands covered  
with dense undergrowth,  
88.00 chs.

For this mile  
see page 77  
orig. notes

From the original corner of  
secs. 21, 22, 27 and 28, marked,  
witnessed and described as in  
original notes.

Over  
N 89° 45' E on a random line  
bet. secs 22 and 27

40.00 Let temp. 1/4 sec cor.

- 2990 Intersect N. and V. line, 12<sup>th</sup> sec.  
 N. of the original cor. of sec.  
 22, 23, 26 and 27.  
 Things I saw  
 T. 89° 50' N. on a long line bet  
 sec. 22 and 27.  
 Crossing over mountainous  
 lands, through heavy  
 timber and V. dense V. underground.
- 4:50 Draw, 13 ft. deep, course V. E.  
 10:00 Spur, 100 ft. above draw, slope  
 V. E.
- 2000 Log fence, bears N. 40° and V. E.  
 2200 Draw, 13 ft. deep, course V. E.  
 2200 Spur, 100 ft. above draw, slope  
 V. E.
- 2225 One cultivated land, bears  
 N. and V.
- 2240 Two cultivated land, bears  
 N. and V.
- 2280 Creek, 6 lbs. wide, in draw, 20 ft  
 below spur, course V. E. Ascend.
- 2295 Set a sandstone 15 x 12 x 8 ins., 10 ins.  
 in the ground, for  $\frac{1}{4}$  sec. cor.,  
 marked  $\frac{1}{4}$  on the N.  $\frac{1}{4}$  face;  
 from which,  
 A cottonwood 10 ins. dia.,  
 bears N. 59 $\frac{1}{2}$ ° E., 40 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 22 R. 9  
 A pine, 8 ins. diam., bears  
 T. 79° E., 10 lbs. dist.,  
 marked  $\frac{1}{4}$  V. 27 R. 9  
 From this corner, the Chas.  
 house, bears N. 35° E. 40 lbs.  
 dist.
- At this  $\frac{1}{4}$  sec. cor., I set off  
 2:23' N. on the decl. asc. and  
 at 11:58 a.m., observe the sun  
 on the meridian; the resulting  
 latitude is 34° 25' N. which  
 agrees with the proper lat.



BOOK 1926

road 150 ft. above creek, slopes

5000 ft. deep, corner of  
Ascend 75 ft. to,

2990 The original corner of sec. 21  
22, 27 and 28.

Land, mountainous

Soil, sandy and gravelly; red  
and red clay.

Timber, pine, juniper, oak and  
cottonwood; undergrowth,  
small timber, oak brush,  
mexiguito and laurel.

Mountainous, heavily timbered  
or lands covered with dense  
undergrowth, 2990 chs.

3:15 P.M. April 2, 1907.

Charles D. Campbell,  
U. S. Geol. Survey

LIST OF NAMES.

BOOK 1926

A list of the names of the individuals employed by Charles L Campbell

Campbell, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of

Correcting Survey, Contract, No. 116.

showing the respective capacities in which they acted:

Floyd M. Pyle ..... Chairman.

Henry H. Farrell ..... Chairman.

Floyd M. Pyle ..... Moundman.

Floyd M. Pyle ..... Moundman.

Floyd M. Pyle ..... Axman.

Floyd M. Pyle ..... Axman.

Henry H. Farrell ..... Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted Charles L Campbell, United States Deputy Surveyor, in surveying all

1926

those parts or portions of the Correcting Survey Contract No. 116

Tps. 8, 10 and 12 North, R. 10 East

Tps. 10, 11 and 11 1/2 North, R. 11 East

Tps. 11 and 11 1/2 North, R. 11 1/2 East of the Gila

West Div meridian, District of Arizona which are represented

in the foregoing field notes as having been surveyed 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 surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor

General for Arizona

Floyd M. Pyle ✓ ..... Chairman.

Henry H. Farrell ✓ ..... Chairman.

Floyd M. Pyle ✓ ..... Moundman.

..... Moundman.

Floyd M. Pyle ✓ ..... Axman.

..... Axman.

Henry H. Farrell ✓ ..... Flagman.

Subscribed and sworn to before me this 1924

day of April, 1907



Charles L Campbell  
S. V. Deputy Surveyor

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BOOK 1928

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, Charles L. Campbell, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank J. Ingalls United States Surveyor General for Arizona, bearing date of the 15th day of April, 1904, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of Correction Survey under Contract No. 116, in Tps. 10, 10 and 12 North, R. 10 East Tps. 10, 11 and 11 1/2 North, R. 11 East Tps. 11 and 11 1/2 N, R. 11 East of the Gila and Salt River meridian, in the territory of Arizona, which are represented in the foregoing field notes as having been surveyed 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 United States 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.

Charles L. Campbell  
United States Deputy Surveyor.

Subscribed by said Charles L. Campbell, and sworn to before me }  
this 15th day of May, 1907

R. A. Koontz  
COUNTY CLERK AND CLERK OF THE  
SUPERIOR COURT OF THE STATE OF  
WASHINGTON, FOR SPOKANE COUNTY



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix Arizona, January 20, 1908

The foregoing field notes of the survey of corrections of the subdivisional lines of T. 12 N R. 10 E of the Gila and Salt River Base and Meridian, in the territory of Arizona.

executed by Charles L. Campbell, U.S. deputy surveyor under his contract No. 116, dated April 15, 1904, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Ingalls  
United States 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.

United States Surveyor General.