

(Book L)

(1)

RESURVEY & RETRACEMENTS
W. B. D. A. I. D. ~~of the~~
T. 22 N., R. 8, E.
Book 3.

BOOK 1433

South half of Range Line
between Ranges 7 and 8, Town-
ship 22 N.

1433

4-671

Lampport, U.S.D.S.

FIELD NOTES

GENERAL LAND OFFICE.

No. 1433

copied by E. V. Sept. 8/03.

Recap'd by CNT 2/27/04

Comp'd by M. G. CNT 2/29/04
Accts Checked L.S. 4/29/04

accts

No. 1433 BOOK 1433

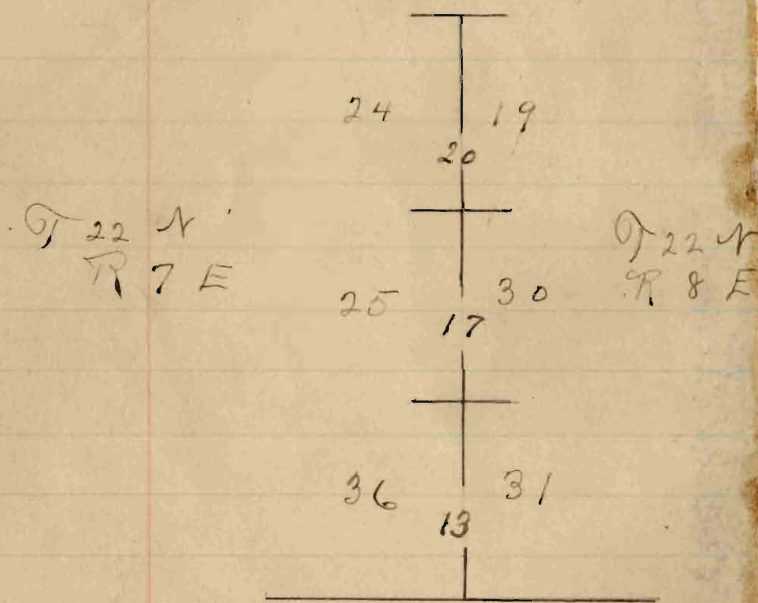
Field Notes
of the
Re-Survey
of the
Part of Range Line
Bet. Ranges 7 + 8 E
T 22 N
of the
Gila + Salt River Base + Meridian
in the
Territory of Arizona
as Surveyed by
James A. Lamport
U. S. Deputy Surveyor
Under his Contract No 98
Dated June 30, 1902

Survey Commenced May 20, 1903
Survey Completed May 22, 1903

1A

BOOK 1433

Index



Random bet. Secs 31, 36,
Random bet - 20, 30
Random bet - 19, 24

2.

For preliminary notes, see Refractant
 T 22, N. R. 7 E - Book 1101

BOOK 1433

Survey commenced May 20, 1903 and executed with a W + L E Furley Transit of 15 with Solar attachment. The horizontal limb is provided with two opposite verniers reading to 1 min. of arc; which, also is the least count of the latitude and declination arcs.

Having on May 17, 1903 ascertained that a true meridian determined with the Solar by am and pm observations coincided with a true meridian determined by an observation of Polaris, as described in my field notes of the survey of the N. and W. 1/4 of Sec. 6 T 21 N. R. 8 E. page 2. I consider that further adjustment of the instrument is unnecessary.

May 20 1903 At the cor. of Tps 21 and 22 N. R. 3 7 and 8 E Longitude $111^{\circ} 34' W$ at 7 am ^{l.m.} I set off $35^{\circ} 16' N$ on lat. arc, and $19^{\circ} 50' N$ on decl arc and determine a true meridian with the solar

Resurvey bet. secs. 31 and 36. T22 N. R708 E

~~Chains. I commence at the Town-
ship cor. bet. T 21 and T
22 N. R 7 and 8 E. pre-
viously set by me.~~

Thence I run

N on a random line bet.
secs. 31 and 36. ^{14°30' E.} Mean Mag. Dec. ^

40.00 after diligent search
find no $\frac{1}{4}$ sec. cor. to
secs. 31 and 36.

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

I continue my line N.

80.00 After diligent search
find no cor. to secs.
25, 30, 31 and 36.

I set Temp. cor. to secs.

25, 30, 31 and 36 and
continue my line N.
bet. secs. 25 and 30.

4

BOOK 1433

Resurvey bet. secs. 25 and 30. T22N. R7 and 8E.

Chains

40.00 After diligent search
find no $\frac{1}{4}$ sec. cor. bet.
secs. 25 and 30.

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

I continue my line N.

80.00 After diligent search
find no cor. to secs.
19, 24, 25 and 30,

Set temp. sec. cor.

I continue my line N.

bet. secs. 19 and 24

40.00 After diligent search
find no $\frac{1}{4}$ sec. cor. bet
secs. 19 and 24.

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

I continue my line N,

75.77 Intersect E and W line
240 lbs W of G. cor. to secs.
13 and 24.

Resurvey bet. secs. 19 and 24, T22N, R7 and 8E

Chains which is a granite stone
16 x 14 ins. 12 ins above ground,
marked with 3 notches
on N and S edges, and
CC on W face, with
mound of stone W of cor.
From which

a line, 24 ins. diam. bears
S 50° W, 99 lbs. dist, marked
T 22 N, R 7 E, S 24^{c.c.} B.T.

a line, 24 ins. diam. bears
N 40° W, 89 lbs. dist
marked T 22 N R 7 E, S 13^{c.c.} B.T.

I continue my random line N.

80.00 After diligent search
find no cor.

86.77 Fall 240 lbs W of cor.
to secs. 18 and 19, which
is a granite stone

6.

Resurvey of Range Line bet. secs.

Chains

12 x 10 ins. 10 ins. above
ground marked
with 3 notches on
N and S edges.

From which

a fine 12 ins diam bear
N $34^{\circ}30'E$, 66 lbs dist
marked T22N, R8E, S18B.T.

I find that the bearing
true for secs. 13 and
24 have been obliterated
and I find no bearing
true for sec. 19. Therefore
I mark

a fine 14 ins. diam; bear
S $54^{\circ}E$, 200 lbs. dist,
marked T22N, R8E, S19, B.T.

May 20, 1903

19 and 24. T 22 N. R 7 and 8 E.

Chains May 21, 1903: As the Field

BOOK 1433
 May 21, 1903: At 8 am left
 tent, I set off $35^{\circ} 18' N$ on
 the lat. arc, and $20^{\circ} 2' N$
 on decl arc and determine
 a true meridian with the Solar
 at the Cor. of Secs 18 and 19

31, T 22 N R 8 E; and I
 find the same to be
 6.80 chs. longer than
 3 miles,

I proceed to find the
 error as follows:

I begin at the cor. to
 secs. 18 and 19 already
 described.

Thence I run
 $S 89^{\circ} 54' E$ bet. secs. 18
 and 19, ^{T 22 N. R 8 E.} over nearly
 level ground, through

Retracement bet. secs. 18 and 19. T22N. R8E.

Chains heavy pine timber.
 40.00 Fall 13 lbs N of $\frac{1}{4}$ sec.
 cor. which is a granite
 stone properly marked
 and witnessed as
 described by the Sur-
 veyor General.

I continue my line
 80.00 Fall 26 lbs N of cor.
 to secs. 17, 18, 19 and 20
 which is a pine stake
 in mound of stone,
 properly marked but
 I find no bearing
 trees to the cor, as
 described in the Field
 Notes of the former
 survey.

From this corner

Retrocurement bet. secs. 19 and 20. T 22 N. R 8 E.

Chains 7 run

S $0^{\circ}03'E$, bet. secs. 19 and 20
over nearly level ground,
through heavy pine tim-
ber.

40.05 Intersect the $\frac{1}{4}$ sec. cor.
bet. secs. 19 and 20,
which is an oak stake
nearly decayed, from
which:

On oak, 10 ins. diam
bear S. $43^{\circ}W$, 59 lbs. dist.
marked $\frac{1}{4}$ S B.T.

I continue my line

80.10 Intersect the cor. of secs.
19, 20, 29 and 30, which
is a granite stone
marked with 2 notches
on S and 5 notches

Retracement bet. secs. 29 and 30. T22N, R8E.

Chains on E edge, with mound of stone along side. From which an oak, 10 ins. diam bears N 40° E, 5 lbs. dist. marked T22N, R8E, S20 B. T. A pine 16 ins. diam, bears S 70° W, 50 lbs. dist, marked T22N, R8E, S30 B. T. Thence I run $\text{Dca. } 140^{\circ} 30' \text{ E}$ S 0° 03' E bet. secs. 29 and 30, over rolling ground through pine and oak timber.

40.00 After diligent search I find no $\frac{1}{4}$ sec. cor. bet. secs. 29 and 30, I continue my line

86.50 Fall 250 lbs E of cor.

Retracement bet. secs. 30 and 31. T22N. R8E

Chains to secs. 29, 30, 31 and 32
 which is a granite stone
^{marked} with 1 notch on S and
 5 notches on E face,
 with mound of stone
 alongside. From which
 An oak, 6 ins. diam. bear
 S72°E, 18 lbs. dist. marked
 T22N, R8E, S32 B.T.
 A pine, 10 ins. diam. ^{lying on the ground,} bear
 S71°W, 117 lbs. dist. marked
 T22N, R8E, S30. B.T.
 The other bearing trees
 being destroyed entirely.
 Hence I run
 W bet. secs. 30 and 31,
 over rolling ground
 through heavy pine
 timber

12.

Retracement bet. secs. 30 and 31. T22N, R8E.

Chain

40.00

Fall 12 lbs. N of $\frac{1}{4}$ sec. cor.

bet. secs. 30 and 31

Which is a granite stone lying on the ground marked $\frac{1}{4}$ with a small mound of stone alongside.

But find no bearing true to this cor.

80.10

I continue my line W. Fall 25 lbs N of my temp. cor. to secs. 25, 30, 31 and 36, previously

May 22, 1903: At 9 h 5 m ¹²⁴
 Am hnt, I set off $35^{\circ} 16' N$
 on let. arc and $20^{\circ} 15' N$
 on dec l. arc and determine
 a true meridian with the
 solar at the Cor of Tps 21 and 22
 Rs 7 + 8 E

BOOK 1433

Resurvey bet. secs. 31 and 36, T22N, R7 and 8E

Chains old survey, bet the S bdy
of sec. 31 and the N bdy
of sec. 19.

Therefore I commence
again at the township
cor, bet. T's 21 and 22N,
R's 7 and 8E, previously
set by me, to reestab-
lish the W bdy of secs. 19,
30 and 31.

From which I run
North on true line bet.
secs. 31 and 36 ~~on a~~ ^{at} $30^{\circ}E$
over large granite boulders
through heavy spruce timber.
Ascend.

Along E slope of Elden
Mountain

12.00 Top of spur, 200 feet

14.

BOOK 1433

Resurvey of Range Line bet. secs

Chains above sec. cor. Bear
NE and SW.

13.00 Descend, step, down
N slope of spur.

40.00 Set a granite stone
20 x 8 x 8 ins. 14 ins. in the
ground, for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W face.
and raise a mound
of stone 2 $\frac{1}{2}$ ft. base,
1 $\frac{1}{2}$ ft. high, W of cor.
From which

A spruce, 12 ins. diam. bears
N 48° W, 6 lbs. dist. marked
 $\frac{1}{4}$ S 36 B.T.

A spruce, 8 ins. diam. bears
S 60° E, 4 lbs. dist. marked
 $\frac{1}{4}$ S 31 B.T.

This cor. stands 1500 feet

31 and 36. T22N R7 and 8 E.

Chain below top of spur of Elden Mountain.

51.00 Foot of steep descent. Bear NE and SW.

53.00 Wash, 40 lbs. wide, ~~course~~
N 40° E. 15 ft deep.

55.00 Ascend over rolling ground, E slope of Elden Mountain.

80.00 Set a granite stone 25 x 10 x 8 ins. 17 ins. in ground for cor. to secs. 25, 30, 31 and 36, marked with 1 notch on S and 5 notches on N edges; and raise a mound of stone, 2½ ft base and 1½ ft high. W of cor.

From which

16.

BOOK 1433

Resurvey bet. secs. 31 and 36. T22N. R7 and 8 E.

Chama

A pine, 20 ins. diam. bears
N ^{36°30'} ~~46°~~ ^{45'} E, 44 lbs. dist. marked

T22N, R8E, S30. B.T.

A pine 24 ins. diam, bears
S 70° 00' E, 5 lbs. dist. marked

T22N, R8E, S31 B.T.

A. pine 18 ins. diam. bears
S 48° W. 46 lbs. dist. marked

T22N, R7E, S36, B.T.

A pine 20 ins. diam. bears
N 69° W, 71 lbs dist. marked

T22N, R7E, S25 B.T.

Land Mountainous

Soil stony, 4th rate,

Tinker oak and pine

Mountainous or heavy
timbered land 80.00 chs.

May 22: At this est. I set off
20° 16' N on decl arc, and at 11^h 57^m
am, I observe the sun on the meridian, & the
resulting lat. is 35° 17' N.

Resurvey bet. secs. 25 and 30. T22N. R7 and 8E.

gr 140°30'E

Chains North bet. secs. 25 and 30
over rolling ground
through heavy spruce and
pine timber.

- 7.50 Wash 25 lbs wide; ~~course~~
§ 80° E. 10 ft deep
- 9.00 Wash 60 lbs. wide; ~~course~~
§ 58° E. ^{20 ft deep} Ascend steeply.
- 12.00 Top; 400 ft above cor.
bear E and W. descend.
- 15.00 Wash 20 lbs. wide. ^{10 ft deep} Course E.
- 17.50 Wash 50 lbs. wide ^{20 ft deep}
~~course~~ § 75° E. Ascend steeply.
- 35.00 Top; 600 ft above cor.
bear E and W. descend.
- 39.50 Wash 20 lbs wide ^{8 ft deep}
~~course~~ § 75° E. ascend steeply
- 43.40 Set a limestone 20 x 12 x
4 ins. 15 ins. in ground for

18.

BOOK 1433

Resurvey bet. secs.

Chains.

$\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
W face; raise a mound
of stone 2 ft base, $1\frac{1}{2}$ ft
high. W of cor.

From which

A pine 18 ins. diam bear
N 80° E. 7 lbs dist. marked
 $\frac{1}{4}$ S 30 B.T.

A pine 15 ins. diam. bears
N 17° W. 44 lbs dist. marked
 $\frac{1}{4}$ S 25 B.T.

75.00 Top of spur, 1500 ft
above $\frac{1}{4}$ cor. Bears
E and W. Slight
descent, along
top of mountain.

86.80 Mark a granite stone
in place 4 x 2 ft. 2 ft
above ground, for cor.

25 and 30. T22N. R7 and 8E.

Chans.

to secos. 19, 30, 24 and 25.

Marked with 2 notches
on S and 4 notches on
N edges, and a cross
at exact point.

From which

A spruce 15 ins. diam. bears
N 30° E, 20 lbs. dist, marked
T22N, R8E, S19. B.T.A spruce 8 ins. diam, bears
S 34° E, 17 lbs. dist, marked
T22N, R8E, S30, B.T.A spruce 15 ins. diam bears
S 25° W 20 lbs. dist. marked
T22N, R7E, S25, B.T.A spruce 12 ins. diam. bears
N 20° W. 31 lbs dist, marked
T22N, R7E, S24 B.T.

Chains Land Mountainous.
 Soil. Stony, 4th rate.
 Timber, spruce and pine.
 Mountainous or heavy
 timbered land, 86.80 chs.

N 2.00 E on true line \approx $\text{true } 14^{\circ} 30' \text{ E}$
~~N 2.00 E~~ bet. secs. 19 and 24,
 over [↑] mountainous land
 through heavy spruce
 timber.

1.50 Steep descent over large
 granite boulders, down
 N slope of Elden Moun-
 tain. bears E and W.

40.40 Set a granite stone
 30 x 10 x 10 ins. 23 ins. in
 the ground, for $\frac{1}{4}$ sec.
 cor, marked $\frac{1}{4}$ on

19 and 24. T 22 N. R 7 and 8 E.

Chains

W face: and raise a mound of stone 2 ft base, 1 1/2 ft high W of cor. From which

A pine 20 ins. diam bears S 36° 45' W. 47 lbs dist. marked 1/4 S 24 B.T.

A pine 15 ins. diam. bears N 62° E. 18 lbs dist. marked 1/4 S 19 B.T.

44.00 Foot of steep descent, 2000 feet below cor. to sec. 19, 30, 24 and 25. Slight descent.

62.40 Wagon road from Hogstaff to Schulz's ranch, bears E and W.

69.00 Intersect c.c. to sec. 13 and 24, which is a

22.

BOOK 1433

Resurvey bet. secs. 19 and 24. T22N. R1 and 8 E.

Chains granite stone, properly
marked and witnessed
and already described.

Hence 7 run

North bet. secs. 13 and 19,

11.00 The cor. to secs. 18 and
19, already described

Land Mountainous,

Soil, stony, 3^d & 4th rate,

Timber, spruce and pine,

Mountainous and heavy
timbered land, 80.00 Chs.

James A. Sampson
M.S. Sply Surveyor
May 22, 1903

General Description

Secs 24, 25 and 36,
T₂₂N R₇E, and Secs 19,
30, and 31 T₂₂N R₈E are
all on Eldon Mountain, and
the soil is very stony
and of no value except for
grazing purposes. There is
a small spring in the center
of Sec 30 T₂₂N R₈E.
There is good bunch grass on
all these sections, and a fair
growth of pine timber.

For final notes, see Replacement T₂₂N R₇E.

Book No 1 "K"

Table
of
Latitudes and departures
of the part of ---
Tp 22 N --- R 7 E
Surveyed by
James A. Lamfort
U.S. Deputy Surveyor.

Line designated	True Bearing	Distance	Latitudes		Departures	
			N	S	E	W
S bdy. Sec. 36	W	80.00				80.00
S. bdy. Sec. 35	W	80.87				80.87
W bdy. Sec. 35	N 0° 01' W	80.00	80.00			.02
½ W bdy. Sec. 26	N 3° 56' E	38.32	38.23		2.61	
½ W bdy. Sec. 26	N 1° 34' E	39.68	39.67		1.09	
½ N bdy. Sec. 26	N 88° 57' E	40.00	.73		39.99	
½ N bdy. Sec. 26	S 88° 35' E	46.00		1.14	45.99	
½ W bdy. Sec. 24	N 8° 07' W	38.47	38.07			5.43
½ W bdy. Sec. 24	N 0° 53' E	39.60	39.60		.61	
N bdy. Sec. 24	E	79.29			79.29	
W bdy. Sec. 19 (R8)	S 2° 00' W	69.00		68.97		2.40
W bdy. Sec. 30 (R8)	S	86.80		86.80		
W bdy. Sec. 31 (R8)	S	80.00		80.00		
Convergency					.07	
Totals			236.30	236.91	167.65	168.72
			236.91			169.65
Error in lat.			.61	Error in dep.		.93

J. G. Sampson.
U. S. Deputy Surveyor

BOOK 1483

27

APPROVAL.

Office of the

United States Surveyor-General,

Phoenix, Arizona.

Feb. 26 - 1904

The foregoing field notes of the ^{Re} survey of West Body & subsec. of T224 R8E, of the Gila and Salt River Base and Meridian, in the Territory of Arizona, Executed by James A. Lampart United States Deputy Surveyor, under his contract No. 98, dated June 30 1902, 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. Green

U. S. Surveyor-General.