

1834

Book B.

BOOK 1834

May 31/04

FIELD NOTES

OF THE SURVEY OF THE

Subdivision lines of Twp. 15 N. Rg. 6 E.
and Remedy of one mile of W. Bdy Twp. 15 N. R. 6 E.
and subdivisions

1834

1834

Of the Gila and Salt River Meridian,

Territory of Arizona

AS SURVEYED BY

John J. Fisher and John P. Hesse, United States Deputy Surveyors,

Under ^{their} ~~his~~ Contract No. 113, dated March 14, 1904, 189

Survey commenced May 8th 1904, 189

Survey completed May 16th 1904, 189

NAMES AND DUTIES OF ASSISTANTS.

George Cassidy

Chairman

W. C. Johnston

Chairman

P. P. Harwood

Assman

Robert W. Blaine

Plagman

BOOK 1834 BOOK 1834
INDEX DIAGRAM.

Township 15 North, Range 6 East.

	6	5	4	3	2	1					
	7	8	9	10	11	12					
	18	17	16	15	14	13					
	31										
31	19	22	20	17	21	12	22	7	28	3	24
	24		23		18		13		8		3
	30	25	29	19	28	14	27	9	26	4	25
	26		26		20		15		10		5
	31	27	32	21	33	15	34	11	35	6	36

Meanders Page.....

BOOK 1834

WE, George Cassidy and W. E. Johnston
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 the Subdivision lines of Twp. 15 N. Rg. 6 E.

George Cassidy, Chainman.
W. E. Johnston, Chainman.

Subscribed and sworn to before me this 7th
day of May 1904, 189



John P. Hesse
U.S. Dep. 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, J. P. Farwood and _____

do solemnly swear that ~~we~~ ^I will well and truly perform the duties of ~~axmen~~ ^{me} in the establishment of corners and other duties, according to instructions given ~~us~~ ^{me}, to the best of ~~our~~ ^{my} skill and ability, in the survey of the subdivision lines of Twp. 15 N. Rg. 6 E.

J. P. Farwood, Axman.
_____, Axman.

Subscribed and sworn to before me this 7th
day of May 1904, 189



John P. Hesse
U.S. Dep. Surveyor

I, Robert D. Blaine, 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 the subdivision lines of Twp. 15 N. Rg. 6 E.

Robert D. Blaine, Flagman.

Subscribed and sworn to before me this 7th
day of May 1904, 189



John P. Hesse
U.S. Dep. Surveyor

Chains

BOOK 1834

Survey commenced May 8, 1904 and executed with a W. and L. C. Gurley solar compass. Compass not numbered. 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 vernier of the declination arc reads to thirty seconds of arc.

The instrument was examined tested on the true meridian at Phoenix found correct and was approved by the surveyor general for Arizona.

I examine the adjustments of the compass and find them correct; then to test the solar apparatus, by comparing its indications, resulting from solar observations made during a. m. and p. m. hours, with a meridian determined by observations on Polaris, I proceed as follows:

At my camp which is one mile south of the cor. of secs. 15, 16, 21 and 22 Twp. 15 N. Rg. 6 E.; latitude $34^{\circ}41'53''$ N. longitude $111^{\circ}42'39''$ W.; at $4^{\text{h}}24.00^{\text{m}}$ a. m. by my watch, which has correct l. m. t., I observe Polaris at eastern elongation, in accordance with Manual of Instructions, and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At $4^{\text{h}}30^{\text{m}}$ a. m. l. m. t. I lay off the azimuth of Polaris $1^{\circ}28'$ to the west, and mark the meridian thus determined, by cutting a small groove in a stone set firmly in the ground 5 chs. N. of my station.

At $8^{\text{h}}00^{\text{m}}$ a. m. l. m. t. I set

BOOK

Chains

1834

off $34^{\circ} 42' N.$ on the lat. arc; $17^{\circ} 06' N.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

May 8: At my station I set off $17^{\circ} 08' N.$, on the decl. arc; and observe the sun on the meridian at noon; the resulting lat. is $34^{\circ} 42' N.$

At $3^{00} p.m. l.m.t.$ I set off $34^{\circ} 42' N.$ on the lat. arc; $17^{\circ} 10\frac{1}{2}' N.$ on the decl. arc; and mark a point in the meridian determined with the solar, by a cross on the stone already set 5 chs. N. of my station; this mark coincides with the meridian established by the Polaris observation.

The solar apparatus, by a.m. and p.m. observations defines positions for meridians which coincide with the meridian established by the Polaris observations; therefore I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at $8^{30} a.m.$ is $N. 13^{\circ} 39' W.$; the angle thus determined gives the magnetic decl. $13^{\circ} 39' E.$

May 8, 1904.

May 9: At $2^{00} p.m. l.m.t.$ I set off $34^{\circ} 43' N.$ on the lat. arc; $17^{\circ} 25\frac{1}{2}' N.$ on the decl. arc; and determine a meridian with the solar at the cor.

Chains	
	<p>of secs. 13, 14, 23 and 24 which is a malpais stone 12x10x4 ins. above ground, marked and witnessed as described by the surveyor general Phence I run</p> <p>S. 0° 01' E. bet. secs. 23 and 24.</p> <p>Descending steep S. slope of mountain.</p>
40.00	<p>Set a sandstone 16x14x10 ins. 10 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stones 2 ft. base 1$\frac{1}{2}$ ft. high, W. of cor. Pits impracticable.</p>
52.00	<p>Foot of mountain and through dense sycamore, cottonwood and ash timber</p>
52.25	<p>Bluff 40 ft. high.</p>
53.80	<p>Cross Beaver Creek, running stream 50 lks. wide course W. and ascend.</p>
55.00	<p>Leave timber.</p>
80.00	<p>The point for cor. falls on a malpais rock in place 36x24x18 ins. above ground I mark a cross (+) for exact point for cor. of secs. 23, 24 25 and 26 with 2 grooves S. and 1 groove E. of cross; and raise a mound of stone 2 ft. base 1$\frac{1}{2}$ ft. high W. of cor. Pits impracticable.</p> <p>Land, mountainous.</p> <p>Soil, rocky; 4$\frac{1}{2}$ rate.</p> <p>Timber, sycamore, cottonwood and ash.</p> <p>Mountainous or heavily timbered land 80.00 chs.</p>
26.65	<p>Cast on a random line bet. secs. 24 and 25.</p> <p>The land over which the line runs becomes inaccessible on account of steep bluffs so at this point I set temp. witness $\frac{1}{4}$ sec. cor. and offset South 15 chs. thence I run</p>

Chains
 79.98 East and at
 79.98 Intersect E. bdy. of Twp. Thence I
 run North and at 15.29 chs. the
 cor. of secs. 24 and 25 on the E. bdy.
 of the Twp. ^{as described by the Surv. Genl.} If my line could
 have been run through without
 offset it would read
 79.98 Intersect E. bdy. of Twp. 21 lks. N.
 of the cor. of secs. 24 and 25
 Thence I run
 N. 89° 51' W. on a true line bet. secs
 24 and 25.
 The line running along steep rocky
 bluffs over which it is impossible
 to go I offset S. 15 chs., thence run
 N. 89° 51' W. 53.33 chs., thence run
 N. 15 chs. to line and at
 53.33 Set a sandstone 20x12x10 ins. 15
 ins. in the ground for witness cor.
 to 1/4 sec. cor., marked W.C. 1/4 on N.
 face; and raise a mound of stone
 2 ft. base 1 1/2 ft. high N. of cor. ^{But}
 impracticable.
 Thence along steep rocky N. slope
 of mountain.
 80.00 Cross wash 20 lks. wide course N.
 79.98 The cor. of secs. 23, 24, 25 and 26.
 Land, mountainous.
 Soil, rocky, 4th rate.
 No timber.
 Mountainous land, 79.98 chs.

May 9, 1904.

May 10: at 7^h 00^m a.m. l.m. t. I set
 off 34° 42' N. on the lat. arc; 17° 38' N.
 on the decl. arc; and determine a
 meridian with the solar at the
 cor. of secs. 23, 24, 25 and 26.
 Thence I run
 S. 0° 01' E. bet. secs. 25 and 26.

chains	
	Ascend steep rocky N. slope of mountain
11.75	Pop and over top mountain through dense cedar timber.
40.00	Set a malpais stone 18x10x4 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
(OK)	A piñon 8 ins. diam. bears S. $84\frac{1}{2}^{\circ}$ W. $45\frac{1}{2}$ lks. dist. marked $\frac{1}{4}$ S 26° BT.
	A cedar 6 ins. diam. bears S. $19\frac{1}{4}^{\circ}$ E. 23 lks. dist. marked $\frac{1}{4}$ S 25° BT.
64.80	Leave timber and descend rough rocky S. slope into cañon
77.50	Cross wash 20 lks. wide course W. and ascend.
80.00	The point for cor. falls on a malpais rock in place 5x4x3 ft. above ground, I mark a cross (+) for exact point for cor. of secs. 25, 26, 35 and 36 with 1 groove S. and E. of cross; from which
(OK)	A cedar 10 ins. diam. bears S. $46\frac{1}{2}^{\circ}$ W. 58 lks. dist. marked T15NR6ES35 BT.
	A piñon 12 ins. diam. bears N. $45\frac{1}{2}^{\circ}$ W. 74 lks. dist. marked T15NR6ES26 BT.
	No other trees available. Raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
	Land, mountainous.
	Soil, rocky; $4\frac{1}{2}$ rate.
	Timber, cedar and a few piñons.
	Mountainous or heavily timbered land 80.00 chs.
	S. $89^{\circ} 51' E.$ on a random line bet. sec. 25 and 36.
40.00	Set temp $\frac{1}{4}$ sec. cor.
79.90	Intersect E. bdy. of Twp. 12 lks. N. of cor. of secs. 25 and 36

BOOK 1834 chains

- Phency Iron
N. $89^{\circ}46'W$. on a true line bet. secs.
25 and 36
Through dense cedar timber
- 39.95 Set a malpais stone $16 \times 12 \times 3$ ins. 11
ins. in the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on N. face; from which
A cedar 4 ins. diam. bears N. $27\frac{1}{2}^{\circ}W$. 6 lbs.
dist. marked $\frac{1}{4} S 25 BT$.
A cedar 4 ins. diam. bears S. $33^{\circ}W$. 25 lbs.
dist. marked $\frac{1}{4} S 36 BT$.
- At this cor. I set off $17^{\circ}40'N$. on
the decl. arc; and observe the sun
on the meridian at noon the
resulting lat. is $34^{\circ}41'N$.
- 51.45 Cross wash 20 lbs. wide course N. W.
and cross and recross same to
- 59.50 Leave wash course N. W. and ascend
along N. E. slope.
- 66.00 Over top mountain
- 67.15 Descend along N. W. slope
- 79.90 The cor. of secs. 25, 26, 35 and 36.
Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
Mountainous or heavily timbered
land 79.90 chs.
-
- S. $0^{\circ}01'E$. bet. secs. 35 and 36.
Ascend N. E. slope through scattering
cedar timber.
- 6.00 Over top mountain through dense
cedar timber.
- 40.00 Set a malpais stone $20 \times 14 \times 6$ ins.
15 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on W. face; from which
A cedar 10 ins. diam. bears S. $79^{\circ}E$. 75
lbs. dist. marked $\frac{1}{4} S 36 BT$.
A cedar 8 ins. diam. bears S. $57\frac{1}{2}^{\circ}W$. 89
lbs. dist. marked $\frac{1}{4} S 35 BT$.

chains
44.00

Descend into Walker Cañon, leave timber.

58.50

Cross dry wash 25 lks. wide, ^{course} and ascend.

90.07

Intersect S. bdy. of Pp. 9.85 chs. East of post No. 52. I fill up the pits North of the Post.

OK

Set a malpais stone 24x15x10 ins. 18 ins. in the ground for closing cor. of secs. 35 and 36 marked CC on N. face, with 1 groove on E. and 5 grooves on W. faces; and raise a mound of stone 2 ft. base 1 1/2 ft. high, N. of cor.

Pits impracticable

Land, mountainous.

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous or heavily timbered land 90.07 chs.

May 10, 1904

May 11: At 8^h 00^m a.m. l.m.t I set off 34° 43' N. on the lat. arc; 17° 54' N on the decl. arc; and determine a meridian with the solar at the cor. of secs. 14, 15, 22 and 23 which is a malpais stone 12x6x6 ins. above ground, marked and witnessed as described by the surveyor general.

Phence Drum

S 0° 01' E. bet. secs. 22 and 23
Over top of mountain through scattering cedar timber.

8.00

Leave timber and descend steep S. slope into Beaver Cañon.

38.10

Cross Beaver Creek, running stream, 40 lks. wide course W. and ascend.

40.00

Set a malpais stone 18x10x6 ins. 12 ins. in the ground for 1/4 sec. cor.

BOOK 1834

Chains

- marked $\frac{1}{4}$ on W. face; from which
 A mesquite 8 ins. diam. bears East 109
 lks. dist. marked $\frac{1}{4}$ S 23 BT.
- A cedar 12 ins. diam. bears N. $32\frac{3}{4}$ ° W.
 189 lks. dist. marked $\frac{1}{4}$ S 22 BT.
- 40.10 Cross fence bears E. and W.
- 40.18 Cross irrigating ditch course W.
- 41.06 Cross fence bears E. and W.
- 42.25 Cross irrigating ditch course W.
- 60.00 Slope becomes steep.
- 80.00 Set a malpais stone $18 \times 12 \times 5$ ins. 12
 ins. in the ground for cor. of secs.
 22, 23, 26 and 27, marked with 2 notches
 on S. and E. edges; from which
 A cedar 12 ins. diam. bears N. 81 ° E. 113
 lks. dist. marked T15NR6ES 23 BT.
- A cedar 15 ins. diam. bears S. $50\frac{1}{2}$ ° E. 34
 lks. dist. marked T15NR6ES 26 BT.
- A cedar 10 ins. diam. bears S. 78 ° W. 95
 lks. dist. marked T15NR6ES 27 BT.
- A cedar 11 ins. diam. bears N. 54 ° W. 146
 lks. dist. marked T15NR6ES 22 BT.
- Land, mountainous.
 Soil, rocky 4th rate.
 Timber, cedar.
 Mountainous land 8000 chs.
-
- East on a random line bet. secs. 23
 and 26
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.02 Intersect N. and S. line 3 lks. S. of
 cor. of secs. 23, 24, 25 and 26.
- Thence I run
 S. $89^{\circ} 59'$ W. on a true line bet. secs. 23
 and 26
- Ascend steep N. E. slope
- 10.50 Pop and over mountain top through
 dense cedar timber.
- 40.01 Set a malpais stone $16 \times 12 \times 10$ ins. 11 ins.
 in the ground for $\frac{1}{4}$ sec. cor. marked

Chains

OK

$\frac{1}{4}$ on N. face; from which
A cedar 8 ins. diam. bears N. 60° E. 51
lks. dist. marked $\frac{1}{4}$ S 23° BT.

A cedar 8 ins. diam. bears S. 75° W. 10
lks. dist. marked $\frac{1}{4}$ S 26° BT.

60.00 Descend through scattering cedars.

80.02 The cor. of secs. 22, 23, 26 and 27.

Land, mountainous.

Soil, rocky; 4th rate.

Timber cedar.

Mountainous land or heavily tim-
bered land 80.02 chs.

May 11: At this cor. I set off
 $17^{\circ}56'$ N. on the decl. arc; and
observe the sun on the meridian
at noon, the resulting lat. is 34°
 $42'$ N.

S $0^{\circ}01'$ E. bet. secs. 26 and 27

Ascend steep N. slope through
scattering cedar timber.

15.00 Top of ridge bears E. and W. and
descend leaving timber. ✓ ✓

40.00 Set a sand stone $16 \times 7 \times 4$ ins. 11 ins.
OK in the ground for $\frac{1}{4}$ sec. cor.

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

43.00 Cross wash 40 lks. wide course W.
and ascend

72.00 Top mountain and over mountain
top thro scattering cedars.

80.00 Set a malpais stone $18 \times 10 \times 6$ ins. 12
OK ins. in the ground for cor. of secs.

26, 27, 34 and 35 marked with
2 notches on E. and 1 notch on

S. edges; from which

A cedar 6 ins. diam. bears S. $63\frac{1}{2}^{\circ}$ E.

177 lks. dist. marked TNSNR6ES35BT

A cedar 5 ins. diam. bears S. 24° W.

BOOK 1834

Chains

63 lks. dist. marked T15NR6ES 34 BT.
 A cedar 4 ins. diam. bears N. 64° W.
 207 lks. dist. marked T15NR6ES 27 BT.
 No other tree available. Raise
 a mound of stone 2 ft. base 1 1/2
 ft. high W. of cor. Pits impracticable.
 Land, mountainous.
 Soil, rocky; 4% rate.
 Timber, cedar.
 Mountainous land 80.00 chs.

N. 89° 59' E. on a random line bet. secs.
 26 and 35.
 40.00 Set temp. 1/4 sec. cor.
 80.05 Intersect N. and S. line 4 lks. N.
 of cor. of secs. 25, 26, 35 and 36.
 Thence I run
 N. 89° 59' W. on a true line bet. secs.
 26 and 35.
 Ascend N.E. slope through scattering
 cedars.
 2.00 Over top of mountain through heavy
 cedar timber.
 40.025 Set a malpais stone 18 x 10 x 4 ins. 12
 ins. in the ground for 1/4 sec. cor.
 marked 1/4 on N. face; from which
 A cedar 5 ins. diam. bears N. 20° W.
 109 lks. dist. marked 1/4 S 26 BT.
 A cedar 6 ins. diam. bears S. 31° E.
 87 lks. dist. marked 1/4 S 35 BT
 44.00 Descend W. slope and timber
 becomes scattering.
 62.65 Cross wash 2 lks. wide course S.
 and ascend steep E. slope
 80.05 Phe cor. of secs. 26, 27, 34 and 35.
 Land, mountainous.
 Soil, rocky; 4% rate.
 Timber, cedar.
 Mountainous or heavily timbered
 land 80.05 chs.

Chains

May 11, 1904

May 12: At 7^h 00^m a.m. l.m. t. I set off 34° 41' N. on the lat. arc; 18° 08½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 26, 27, 34 and 35

Thence I run

S. 0° 01' E. bet. secs. 34 and 35.

Over mountain top through scattering cedar timber.

- 1.00 Descend steep S. slope.
- 29.50 Cross wash 20 lks. wide course S.W. and over rolling mountainous land
- 37.00 Cross wash 20 lks. wide course S.W.
- 40.00 Set a malpais stone 18x12x6 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; from which a cedar 6 ins. diam. bears S. 67¾° W. 270 lks. dist. marked ¼ S 34 BT.
- No other tree available. Raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable
- 50.00 Cross Walker Creek, running stream, 15 lks. wide, course S.W.
- 79.60 Cross wash 20 lks. wide course W.
- 90.12 OK Intersect S. bdy. of Twp. 9.90 chs. East of Post No. 83. I destroy bearings N. of Post. Set a limestone 18x16x10 ins. 12 ins. in the ground for closing cor. of secs. 34 and 35 marked CC on N. face; with 2 grooves on E. and 4 grooves on W. faces; from which a cedar 4 ins. diam. bears N. 85¾° E. 195 lks. dist. marked CCT 15 N R 6 E S 35 BT. No other tree available, raise a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
- Land, mountainous.
- Soil, rocky; 4¢ rate.
- Timber, cedar.

Mountainous land 90. 12 chs.

- From the cor. of secs. 15, 16, 21 and 22 which is a malpais stone 10 x 6 x 6 ins. above ground, marked and witnessed as described by the surveyor general, I run
- S. 0° 02' E. bet. secs. 21 and 22
- Along rough W. slope of mountain through very scattering cedar timber.
- 22.00 Descend S.W. slope.
- 33.50 Cross wash 20 lks wide course N.W. and ascend N. slope.
- 40.00 Set a malpais stone 18 x 16 x 14 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
- A cedar 12 ins. diam. bears N. 40° E. 30 lks dist. marked $\frac{1}{4}$ S 22 BT.
- A cedar 6 ins. diam. bears N. 71½° W. 104 lks dist. marked $\frac{1}{4}$ S 21 BT.
- 42.50 Pop ridge bears E. and W. and descend.
- 58.35 Road bears E. and W.
- 59.70 Fence bears N.E. and S.W.
- 61.20 Irrigating ditch course S.W.
- 68.50 Through dense cottonwood, sycamore and ash timber.
- 69.40 Cross fence bears E. and W.
- 73.60 Cross Beaver Creek, running stream, 40 lks wide, course S.W.
- 77.55 Bluff 20 ft. high, leave timber and ascend.
- 80.00 Set a malpais stone 28 x 14 x 6 ins. 21 ins. in the ground for cor. of secs. 21, 22, 27 and 28, marked with 2 notches on S. and 3 notches on E. edges; from which
- A cedar 18 ins. diam. bears N. 68° E. 627 lks dist. marked T5NR6ES 22 BT.
- A pine 24 ins. diam. bears N. 39½° W. 154 lks dist. marked T5NR6ES 21 BT

Chains

No other trees available. Raised a mound of stone 2 1/2 ft. base 1 1/2 ft. high W. of cor. Pits impracticable. Land, mountainous.

Soil, rocky and sandy; 2nd and 4th rate.

Timber, cedar, cottonwood, ash and sycamore.

Mountainous or heavily timbered land 80.00 chs.

May 12: At this cor. I set off 18° 11' N. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is 34° 42' N.

East on a random line bet. secs. 22 and 27

40.00 Set temp. 1/4 sec. cor.

80.18 Intersect N. and S. line 5 lks. S. of cor. of secs. 22, 23, 26 and 27

Thence I run S. 89° 58' W. on a true line bet. secs. 22 and 27

Descending along N.W. slope through scattering cedar timber.

16.00 Change to N.E. slope and ascend.

27.00 Pop and over top mtn.

34.00 Along N. slope mountain.

40.00 Set a malpais stone 18 x 12 x 4, ins. 12 ins. in the ground for 1/4 sec. cor., marked 1/4 on N. face; from which a cedar 10 ins. diam. bears S. 28° W. 82 lks. dist. marked 1/4 S 27 BT.

(82)

A cedar 4 ins. diam. bears N. 52 1/2° W. 38 lks. dist. marked 1/4 S 22 BT.

50.00 Change to W. slope, leave cedars and descend.

75.43 Cross road bears N.E. and S.W.

75.73 Cross fence bears N.E. and S.W.

76.33 Cross ditch course S.W.

BOOK

183

chains
80.18

The cor. of secs. 21, 22, 27 and 28.
Land, mountainous.
Soil, rocky; 4th rate
Timber, cedar.
Mountainous land 80.18 chs.

- S 0° 02' E. bet. secs. 27 and 28.
Ascending over rolling mountains.
- 6.35 Cross ditch, course S. W.
6.40 Cross fence, bears N. E. and S. W.
6.45 Cross road, bears N. E. and S. W.
11.71 From this point the E. cor. of J. Paylor's house bears N. 80° W. 8.09 chs. dist.
- 14.95 Cross fence bears E. and W.
16.35 Cross fence bears E. and W.
16.65 Cross wash 15 lks. wide course W.
35.40 Cross wash 15 lks. wide course W.
40.00 Set a malpais stone 18 x 12 x 6 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which
- A cedar 6 ins. diam. bears N. 59° E. 117 lks. dist. marked $\frac{1}{4}$ S 27 BT.
A cedar 6 ins. diam. bears S. 63° W. 118 lks. dist. marked $\frac{1}{4}$ S 28 BT.
- 54.50 Cross wash 10 lks. wide course W.
68.25 Cross wash 20 lks. wide course S. W.
80.00 Set a limestone 28 x 24 x 12 ins. 21 ins. in the ground for cor. of secs. 27, 28, 33 and 34, marked with 1 notch on S. and 3 notches on E. edges; Raised a mound of stone 2 ft. base 1 1/2 ft. high, W. of cor. Pits impracticable.
Land, mountainous.
Soil, rocky and sandy 2nd and 4th rate.
Timber, a few scattering cedars.
Mountainous land 80.00 chs.

Chains

John P. Hesse
U.S. Dep. Surveyor
May 12, 1904

BOOK 1834

May 13: At 8^h 00^m a.m. l.m.t. I set off 34° 41' N. on the lat. arc; 18° 23½' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 27, 28, 33 and 34

Thence I run

N. 89° 58' E. on a random line bet. secs. 27 and 34.

40.00 Set temp. ¼ sec. cor.

80.22 Intersect N. and S. line 5 lks. N. of cor. of secs. 26, 27, 34 and 35

Thence I run

West on a true line bet. secs. 27 and 34

Over top mountain

1.80 Descend steep W. slope

30.00 Bottom of mountain and over rolling mountainous land.

40.11 Set a malpais stone 18 x 12 x 5 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face; raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable

80.22 The cor. of secs. 27, 28, 33 and 34.

Land, mountainous

Soil, rocky; 4th rate.

No timber.

Mountainous land 80.22 chs.

S 0° 02' E. bet. secs. 33 and 34.

Over rolling mountainous land descending.

11.05 Cross gully 6 lks. wide course W.

11.40 Cross gully 6 lks. wide course W.

18.35 Cross wash 20 lks. wide course W.

40.00 Set a malpais stone 18 x 10 x 5 ins.

BOOK 1834

Chains

OK

- 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, W. of cor. Pits impracticable
- 44.70 Cross gully 8 lks. wide course W.
- 56.00 Cross fence bears E. and W.
- 60.00 Cross Walker Creek, running stream 30 lks. wide course W.
- 60.95 Fence bears E. and W.
- 63.30 Cross fence bears E. and W. From this point M. Kastner's house bears West 4.65 chs. dist.
- 65.40 Cross road, bears E. and W.
- 66.50 Cross ditch, course W.
- 75.50 Cross fence, bears E. and W.
- 90.02 Intersect S. bdy. of Twp. 9.75 chs. East of Post No. 84. I destroy bearings North of Post. Set a malpais stone $18 \times 10 \times 8$ ins. 12 ins. in the ground for closing cor. of secs. 33 and 34, marked CC on N. face with 3 grooves on E. and W. faces; from which a sycamore 6 ins. diam. bears N. $74\frac{1}{2}^\circ$ W. 246 lks. dist. marked CCTSNR6ES33BT. No other trees available. Raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high, N. of cor. Pits impracticable. Land, mountainous. Soil, rocky and sandy; 2nd and 4th rate. Timber a few scattering sycamores on banks of Walker Creek. Mountainous land 90.02 chs.

May 13: At the ^{closing} cor. of secs. 33 and 34 on the S. bdy. of the Twp. I set off $18^\circ 25\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is $34^\circ 40'$ N.

chains

OK,

- From the cor. of secs 16, 17, 20 and 21 which is a sandstone 14x8x5 ins. above ground, marked and witnessed as described by the surveyor general I run
- S. 0° 02' E. bet. secs. 20 and 21
Descending over rolling mountains.
- 17.85 Cross road, bears E. and W.
- 20.00 Cross gully 10 lks. wide course S. W.
- 24.05 Cross road bears E. and W.
- 24.85 Cross road bears E. and W.
- 40.00 Set a sandstone 20x14x3 ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which a cedar 4 ins. diam. bears N. 3° W. 98 $\frac{1}{2}$ lks. dist. marked $\frac{1}{4}$ S 20 BT.
- No other tree available. Raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high. W. of cor. Pits impracticable.
- 54.20 Descend into cañon.
- 56.60 Cross Dry Creek, small running stream, 20 lks. wide course W. and ascend
- 62.12 Bluff 50 ft. high and over rolling mountains.
- 80.00 Set a sandstone 30x12x3 ins. 22 ins. in the ground for cor. of secs. 20, 21, 28 and 29 marked with 2 notches on S. and 4 notches on E. edges; from which a cedar 4 ins. diam. bears N. 17 $\frac{1}{2}$ ° E. 48 lks. dist. marked T15NR6ES21BT.
- A cedar 4 ins. diam. bears S. 74 $\frac{1}{4}$ ° E. 159 lks. dist. marked T15NR6ES28BT.
- No other trees available. Raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- Land, mountainous.
Soil, rocky and sandy; 4 $\frac{1}{2}$ rate.
Timber, a few sycamores along Dry Creek.
Mountainous land 80.00 chs.

Chains

- East on a random line bet. secs. 21 and 28
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.22 Intersect N. and S. line 10 lks. S. of cor. of secs. 21, 22, 27 and 28
Thence I run S. $89^{\circ}56'$ W. on a true line bet. secs. 21 and 28
Descending through dense oak brush.
- 1.80 Enter sycamore, cottonwood and ash timber and cross fence bears N.E. and S.W.
- 4.30 Cross Beaver Creek, running stream, 20 lks. wide course S.W. and ascend
- 11.00 Cross fence bears N.E. and S.W. and leave timber.
- 14.40 Cross fence bears N.E. and S.W. from this point going ~~straight~~ house bears north 9.40 lks. dist.
- 14.85 Cross ditch course ~~S.E.~~
- 20.50 Cross fence bears N.E. and S.W.
- 21.15 Cross road bears N.E. and S.W. and slope becomes steep.
- 31.00 Pop and over rolling mountain top through scattering cedar timber.
- ✓ 40.41 80 Set a malpais stone 18x14x8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked 14 on N. face; from which
A cedar 6 ins. diam. bears S. 79° W. 168 lks. dist. marked $\frac{1}{4}$ S 28 BT.
A cedar 6 ins. diam. bears N. $46\frac{1}{2}^{\circ}$ W. 172 lks. dist. marked $\frac{1}{4}$ S 21 BT
- 50.00 Descend rough W. slope.
- 72.80 Cross road bears N.E. and S.W.
- ✓ 80.22 Phe cor. of secs. 20, 21, 28 and 29.
Land, mountainous.
Soil, rocky and sandy; 2nd and 4th rate.
Timber, sycamore, cottonwood, ash and cedar

Chains

Mountainous of heavily timbered land
80.22 chs.

May 13, 1904.

May 14: At 7^h 00^m a.m. l.m.t. I set off 34° 42' N. on the lat. arc. 18° 35' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 20, 21, 28 and 29.

Thence I run

S 0° 02' E. bet. secs. 28 and 29

Over rolling mountains.

- 0.25 Cross wash 25 lks. wide course W.
 14.45 Cross road bears N. E. and S. W.
 16.70 Cross wash 10 lks. wide course S. W.
 27.00 Cross wash 15 lks. wide course W.
 40.00 Set a malpais 18 x 10 x 8 ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.
- 65.90 Cross road bears E. and W.
 71.70 Cross fence bears E. and W.
 80.00 Set a malpais 18 x 16 x 8 ins. 12 ins. in the ground for cor. of secs. 28, 29, 32 and 33, marked with 1 notch on S. and 4 notches on E. edges; and raised a mound of stone 2 ft. base 1 $\frac{1}{2}$ ft. high W. of cor. Pits impracticable.

From this cor. S. W. cor. of Mrs. Cliff's house bears N. 64° E.

Land, mountainous.

Soil, rocky; 4th rate.

No timber.

Mountainous land 80.00 chs.

BOOK 1834

Chains

- N. $89^{\circ}56'$ E. on a random line bet. secs. 28 and 33
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.26 Intersect N. and S. line 5 lks. S. of cor. of secs. 27, 28, 33 and 34.
- Thence I run
- S. $89^{\circ}54'$ W. on a true line bet. secs. 28 and 33.
- Over rolling mountains.
- 9.75 Cross wash 60 lks. wide course S.
- 11.75 Cross wash 50 lks. wide course S.W.
- 22.86 Cross wash 25 lks. wide course S.W.
- 23.65 Cross road bears N.E. and S.W.
- 40.13 Set a malpais stone $20 \times 10 \times 10$ ins. 15 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; from which a cedar 6 ins. diam. bears N. $12\frac{1}{2}^{\circ}$ E. 80 lks. dist. marked $\frac{1}{4}$ S 28 BT.
- A cedar 4 ins. diam. bears S. 48° W. 214 lks. dist. marked $\frac{1}{4}$ S 33 BT.
- 52.85 Cross fence bears N.E. and S.W.
- 57.50 Center sycamore, cottonwood and ash timber.
- 58.80 From this point the S.W. cor. of Mrs. Cliff's house bears North.
- 60.85 Cross Beaver Creek, running stream, 30 lks. wide course S.
- 65.15 Cross fence bears N.E. and S.W. and leave timber.
- 69.70 Cross road bears N.W. and S.E.
- 75.25 Cross ditch bears N.E. ~~and~~ S.W.
- 75.30 Cross fence bears N.E. and S.W.
- 80.26 The cor. of secs. 28, 29, 32 and 33
- Land, mountainous.
- Soil, rocky and sandy; 2nd and 4th rate.
- Timber, cottonwood, sycamore and ash along creek bottom.
- Mountainous or heavily timbered land 80.26 chs.
- May: 14: At this cor. I set off $18^{\circ}40'$ N. on the decl. arc; and observe the

Chains

sun on the meridian at noon,
the resulting lat. is $34^{\circ} 41' N$.

BOOK 1834

$S. 0^{\circ} 02' E$. bet. secs. 32 and 33

Over rolling mountainous land
through brush and very scattering
timber.

5.35 Enter sycamore, cottonwood and ash
timber.

13.10 Cross Beaver Creek, running stream,
course W.

13.60 Leave timber.

18.35 Cross road, bears N.E. and S.W.

27.65 Cross road, bears N.W. and S.E.

28.60 Cross road, bears E. and W.

29.20 Cross road, bears E. and W.

30.41 From this point N.W. cor. of school
house bears East 1.48 chs. dist.

33.30 Cross Walker Creek, running stream,
20 lks. wide, course W.

40.00 Point for $\frac{1}{4}$ sec. cor. falls on a
limestone in place $8 \times 4 \times 1$ ft. above
ground, I mark a cross (+) for
exact point for $\frac{1}{4}$ sec. cor. and
 $\frac{1}{4}$ W. of cross; from which
A cedar 4 ins. diam. bears $S. 85\frac{1}{2}^{\circ} E$.
49 lks. dist. marked $\frac{1}{4} S 33 BT$.

A cedar 4 ins. diam. bears $S. 80\frac{1}{2}^{\circ} W$.
162 lks. dist. marked $\frac{1}{4} S 32 BT$.

And raised a mound of stone 2 ft.
base $1\frac{1}{2}$ ft. high W. of cross.

89.86 Intersect S. bdy. of Pp. 9.50 chs.
East of Post No. 85. and destroy
the pits N. of Post. Set a lime
stone $18 \times 12 \times 6$ ins. 12 ins. in the
ground for closing gov. of secs.
32 and 33, marked C.C. on N. face,
with 4 grooves on E. and 2 grooves
on W. face; from which
A cedar 6 ins. diam. bears $N. 22\frac{1}{2}^{\circ} W$.

BOOK 1834

Chains

228 lks. dist. marked CCT15NR6ES32.BT.
A cedar 4 ins. diam. bears N. 56 $\frac{1}{2}$ ° E.
274 lks. dist. marked CCT15NR6ES33.BT
Land, mountainous.
Soil, rocky; 4 $\frac{1}{2}$ rate.
Timber, sycamore, ash, cottonwood
and cedar.
Mountainous or heavily timbered
land 89.86 chs.

May 14, 1904.

May 15: At 7^h00^m a.m. l.m.t. I
set off 34° 43' N. on the lat. arc;
18° 52 $\frac{1}{2}$ ' N. on the decl. arc; and
determine a meridian with the
solar at the cor. of secs. 17, 18, 19
and 20, which is a malpais
stone 12x8x6 ins. above ground,
marked and witnessed as described
by the surveyor general.

Thence I run

S. 0° 03' E. bet. secs. 19 and 20

Descending over rolling mountains
through scattering cedar timber.

- 7.60 Cross road bears N.E. and S.W.
8.85 Cross wash, 25 lks. wide course S.W.
24.70 Cross wash, 20 lks. wide course N.W.
32.20 Cross gully 10 lks. wide course N.W.
leave cedars and through mesquite
brush
40.00 Set a malpais stone 18x12x5 ins.
1 $\frac{1}{2}$ ins. in the ground for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W. face; dug
pits 18x18x12 ins. N. and S. of
cor. 3 ft. dist., and raised a
mound of earth 3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$
ft. high W. of cor.
50.05 Cross road bears S.E. and N.W.
58.55 Cross road bears N.E. and S.W.
72.30 Cross road bears S.E. and N.W.
80.00 Set a limestone 18x6x4 ins. 1 $\frac{1}{2}$ ins.

Chains

(23)

in the ground for cor. of secs. 19, 20, 29 and 30, marked with 2 notches on S. and 5 notches on E. edges; dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 4 ft. base 2 ft. high, W. of cor.

Land, mountainous.

Soil, rocky and sandy; 4th rate.

Timber, cedar.

Mesquite brush.

Mountainous, heavily timbered land or land covered with dense undergrowth 80.00 chs.

Cast on a random line bet. secs. 20 and 29

40.00 Set temp 1/4 sec. cor.

80.09 Intersect N. and S. line 16 lks N. of cor. of secs. 20, 21, 28 and 29

Thence I run

N. 89° 53' W. on a true line bet. secs. 20 and 29.

Over rolling mountains.

0.50 Cross wash 25 lks. wide course N.W.

22.00 Enter sycamore, cottonwood and ash timber.

23.50 Cross Dry Creek, running stream, 25 lks. wide, course S.

25.00 Leave timber.

40.045 Set a malpais stone 18x8x5 ins. 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N. face; raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor. Pits impracticable.

(24)

53.55 Cross road bears N.E. and S.W.

56.35 Cross road bears N.E. and S.W.

79.05 Cross road bears N.E. and S.W.

80.09 The cor. of secs. 19, 20, 29 and 30.

Land, mountainous.

BOOK 1834

Chains

Soil, rocky and sandy, 4th rate.
Timber, sycamore, ash and
cottonwood along Dry creek.
Mountainous land 80.00 chs.

West on a random line bet. secs.
19 and 30.

40.00 Set temp. 1/4 sec. cor.

79.24 Intersect W. bdy. of Pp. 56 lks.
S. of the cor. of secs. 19, 24, 25 and
30.

As this falling is out of limits I
return to the cor. of secs. 19, 20, 29
and 30 and run thence

West on a true line bet. secs. 19 and
30.

Over rolling mountains.

17.00 Pop ridge bears N. and S.

28.25 Cross wash 20 lks. wide course S.W.

40.00 Set a limestone 18x10x10 ins. 12 ins.
in the ground for 1/4 sec. cor. mark-
ed 1/4 on N. face; dug pits 18x18x12
ins. E. and W. of cor. 3 ft. dist.
and raised a mound of earth
3 1/2 ft. base 1 1/2 ft. high N. of cor.

43.60 Cross wash 15 lks. wide course S.

54.00 Pop ridge bears N. and S. and enter
cedar timber.

67.00 Leave timber.

76.75 Cross wash 15 lks. wide course S.

79.24 Intersect W. bdy of Pp. 56 lks.
S. of the cor. of secs. 19, 24, 25 and
30, ^{as described by the Surv. Genl.} Set a limestone 18x12x4 ins
12 ins. in the ground for closing
cor. of secs. 19 and 30, marked cc
on E. face; with 2 grooves on S. and
4 grooves on N. faces; dug pits 2 1/4 x 10
x 12 ins. crosswise on each line N.
and 3 ft. and E. of stone 7 ft. dist.;
and raise a mound of earth 4 ft

chains

base 2 ft. high E. of cor.

Land, mountainous.

Soil, rocky and sandy; 4th rate.

Timber, cedar.

Mountainous land 79.24 chs.

May 15: At this cor. I set off $18^{\circ} 54\frac{1}{2}'$ N. on the decl. arc; and observe the sun on the meridian at noon, the resulting lat. is $34^{\circ} 42'$ N.

Changed marks on old cor. to refer to secs. 24 and 25 only.

May 15, 1904

May 16: At 7^h00^m a.m. l.m.t. I set off $34^{\circ} 42'$ N. on the lat. arc; $19^{\circ} 06\frac{1}{2}'$ N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 19, 20, 29 and 30.

Thence I run

S. $0^{\circ} 03'$ E. bet. secs. 29 and 30

Over rolling mountains.

10.90 Cross road bears N. E. and S. W.

40.00 Set a limestone $18 \times 14 \times 5$ ins. 12 ins. in the ground for $\frac{1}{4}$ 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. Dits impracticable

71.80 Cross wash 20 lks. wide course S. E.

76.30 Cross wash 30 lks. wide course E.

80.00 Set a limestone $18 \times 12 \times 5$ ins. 12 ins. in the ground for cor. of secs. 29, 30, 31 and 32 marked with 1 notch on S. and 5 notches on E. edges; dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist.; and raise a mound of earth 4 ft. base 2 ft. high W. of cor.

Land, mountainous.

Soil, rocky and sandy; 4th rate

No timber.

Mountainous land 80.00 chs.

Chains

BOOK 1884

- S. $89^{\circ}53' E$. on a random line bet. secs. 29 and 32.
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 80.07 Intersect N. and S. line 14 lks. S. of cor. of secs. 28, 29, 32 and 33. as described by ~~the~~ ^{the} ~~Surr. Genl.~~ ^{Surr. Genl.} Thence I run N. $89^{\circ}54' W$. on a true line bet. secs. 29 and 32.
- Over rolling mountains
- 14.65 Cross fence bears N. E. and S. W.
- 20.30 Cross wash 15 lks. wide course S. W.
- 40.035 Set a malpais stone $18 \times 12 \times 8$ ins. 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone 2 ft. base $1\frac{1}{2}$ ft. high N. of cor. Pits impracticable
- 68.00 Enter cedar timber.
- 72.85 Cross Dry Creek 20 lks. wide course S. and leave timber.
- 80.07 The cor. of secs. 29, 30, 31 and 32. Land, mountainous. Soil, rocky; 4th rate. Timber, cedar. Mountainous or heavily timbered land 80.07 chs
- May 16: At this cor. I set off $19^{\circ}08\frac{1}{2}' N$. on the decl. arc; and observe the sun on the meridian at noon the resulting lat. is $34^{\circ}41' N$.
-
- West on a random line bet. secs. 30 and 31
- 40.00 Set temp. $\frac{1}{4}$ sec. cor.
- 78.98 Intersect W. bdy. of Pp. 24 lks. S. of the cor. of secs. 25, 30, 31 and 36. Thence I run S. $89^{\circ}50' E$. on a true line bet. secs.

Chains

30 and 31.
 Ascending over rolling mountains.
 38.98 The point for cor. falls on a lime stone in place 4 ft. x 2 ft. x 3 ins. above ground, I mark a cross (+) for exact point for $\frac{1}{4}$ sec. cor. and $\frac{1}{4}$ N. of cross; from which a cedar 5 ins. diam. bears N. $69^{\circ}34'$ E. 207 lks. dist. marked $\frac{1}{4}$ S 30° BT.
 Cedar 6 ins. diam. bears S. $14^{\circ}12'$ W. 42 lks. dist. marked $\frac{1}{4}$ S 31° BT.
 50.00 Descend rough S. E. slope.
 62.68 Cross road bears N. E. and S. W.
 78.98 The cor. of secs. 29, 30, 31 and 32.
 Land, mountainous.
 Soil, rocky 4th rate.
 Timber, cedar very scattering.
 Mountainous land 78.98 cho.

S. $0^{\circ}03'$ E. bet. secs. 31 and 32.
 Over rolling mountains.
 8.00 Along E. slope mountain.
 16.35 Enter heavy sycamore and ash timber and along in bottom of Dry Creek, no water. bears N. E. 25 lks. wide.
 23.00 Leave Dry Creek, course S. W.
 23.55 Cross fence bears N. E. and S. W. and leave timber.
 25.90 Cross road bears N. E. and S. W.
 32.90 Cross fence bears E. and W.
 40.00 Set a malpais 18 x 12 x 12 ins. $\frac{1}{2}$ ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which an ash 12 ins. diam. bears S. 21° E. 71 lks. dist. marked $\frac{1}{4}$ S 32° BT.
 A sycamore 16 ins. diam. bears N. $71^{\circ}12'$ W. 11 lks. dist. marked $\frac{1}{4}$ S 31° BT.
 From this cor. Mrs. Frederick's house bears N. 70° W. 4 cho. dist.
 R. Pinnie's house bears S. 75° E. 16.50

BOOK 1834

Chains

chs. dist.

The center of the East side of Montezuma Well bears due West 26.60 chs. dist. The diameter of the well is 7.05 chs.

40.00 Enter sycamore and ash timber.

40.75 Cross ditch, course W.

43.95 Cross Beaver Creek 30 lks. wide course W., running stream,

45.70 Cross ditch, course W. and ascend.

47.53 Bluff 50 ft. high.

89.82 Intersect. S. bdy. of Twp. 9 43 lks. E.

of Post No. 86. Set a limestone ^{.12 ins. in the ground} 18x12x6 ins. for closing cor. of secs.

31 and 32 marked C Cow N. face; with 5 grooves on E. and 1 groove on W. faces; from which

A cedar 2 1/2 ins. diam. bears N. 8 3/4° E.

185 lks. dist. marked CCTISNR6ES 32 BT.

A cedar 4 ins. diam. bears N. 12° W.

311 lks. dist. marked CCTISNR6ES 31 BT.

Land, mountainous.

Soil, rocky and sandy; 4 1/2 rate.

Timber, sycamore and ash.

Mountainous or heavily timbered

land 89.82 chs. Destroyed agencies to Post No. 86 N. of said cor. -

John J. Fisher
U.S. Dep. Surveyor
May 16, 1904

This township is rough and mountainous and the soil, with the exception of small strips along the creeks, is rocky and barren.

The soil along the creek bottoms will produce good crops if irrigated but without irrigation it is worthless. Cottonwood, sycamore and ash timber grows on the banks of the creeks. The eastern portion of the Twp. is covered with a heavy growth of cedar timber.

Chains

The Twp. is watered by Beaver Creek which runs through it from N.E. to S.W. and by Walker Creek which runs through the southern tier of secs.

There one settler in sec. 21, 32 and two settlers in sec. 28. and sec. 29

John J. Fisher
John P. Hesse
U. S. Dep. Surveyors

BOOK 1834

chains

My lines around sec. 19 Twp. 15 N. Rg. 6 E. not closing within limits in order to verify my work I Proceed as follows:
 May 15: At 1^h 09^m p.m. l.m. t. I set off 34° 42' N. on the lat. arc; 18° 55' N. on the decl. arc; and determine a meridian with the solar at the cor. of secs. 24 and 25 which is a limestone 12 x 6 x 4 ins. above ground, marked and witnessed as described by the surveyor general

Thence I run

N. 0° 01' W. bet. secs. 19 and 24. Ascending over rolling mountainous country.

- 14.15 Cross wash 10 lks. wide course E.
- 24.50 Road, bears N.E. and S.W.
- 24.72 Boundary post No. 90. as described by the Surv. Genl.
- 39.50 Cross wash 20 lks. course W.
- 40.00 The 1/4 sec. cor. as described by the Surv. Genl.
- Thence I run from the 1/4 sec. cor. N. 0° 03' W.
- 69.50 Cross wash 20 lks. wide, course N.W. and enter scattering timber.
- 80.03 The cor. of secs. 13, 18, 19 and 24 as described by the Surv. Genl. Land, mountainous. Soil, rocky; 4th rate. Timber, cedar. Mountainous land 80.03 chs.

East bet. secs. 18 and 19. Over rolling mountains through scattering timber.

- 0.06 Boundary post No. 91 as described by the Surv. Genl.
- 9.30 Cross road bears N.W. and S.E.
- 13.50 Cross wash 15. lks. wide course S.
- 39.13 A point 25 lks. N. of the 1/4 sec. cor. as described by the Surv. Genl. The length of this half mile is 39.13 chs.

BOOK 1884

Chains

60.85

71.75

79.18

39.13

40.05

The course of this half mile is
S. 89° 38' E.

Thence I continue my line East
from my 39.13 chn. point.

Cross wash, 10 lks. wide course S.

Cross wash, 15 lks. wide course S.

A point 53 lks. N. of the cor. of
secs. 17, 18, 19 and 20 previously described

The length of this half mile is
40.05 chs.

The course of this half mile is
S. 89° 38' E.

Land, mountainous.

Soil, rocky; 4th rate.

Timber, a few cedars.

Mountainous land 79.18 chs.

John A. Heese
U. S. Dep. Surveyor
May 15, 1904

John J. Fisher
John A. Heese
U. S. Dep. Surveyors.

All old cor. not otherwise described
were found marked and witnessed
as described by the surveyor general.

John A. Heese
U. S. Dep. Surveyor

LIST OF NAMES.

A list of the names of the individuals employed by John J. Fisher and John P. Hesse, United States Deputy Surveyors, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of the subdivision lines of Pp. 15 N. Rg. 6 E. showing the respective capacities in which they acted:

- George Cassidy, Chairman.
- W. E. Johnston, Chairman.
- _____ , Moundman.
- _____ , Moundman.
- P. P. Harwood, Axman.
- _____ , Axman.
- Robert W. Blaine, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John J. Fisher and John P. Hesse, United States Deputy Surveyors, in surveying all those parts or portions of the subdivision lines of Pp. 15 N. Rg. 6 E.

_____ of the Gila and Salt River meridian, Territory 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

- George Cassidy, Chairman.
- W. E. Johnston, Chairman.
- _____ , Moundman.
- _____ , Moundman.
- P. P. Harwood, Axman.
- _____ , Axman.
- Robert W. Blaine, Flagman.

Subscribed and sworn to before me this 17th day of May 1904, 189

John P. Hesse
U.S. Dep. Surveyor



152
34 BOOK 1834

I, we, John J. Fisher and John P. Hesse, United States Deputy Surveyors, do solemnly swear that, in pursuance of a contract received from Frank S. Ingalls United States Surveyor General for Arizona, bearing date of the 14th day of March 1904, ~~we~~^{we} have well, faithfully, and truly, in ~~my~~^{our} own proper persons, 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 subdivision lines of Twp. 15 N. Rg. 6 E.

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~~^{us}, and under ~~my~~^{our} direction; and ~~I~~^{we} 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~~^{we} will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846.

John J. Fisher
John P. Hesse
United States Deputy Surveyors

Subscribed by said John J. Fisher and John P. Hesse, and sworn to before me }
this 18th day of May, 1904

M. Watts
Clerk U.S. Dist. Court



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, A.T., November 23rd 1904

The foregoing field notes of the survey of the subdivisional lines and re-survey of subdivisional and one mile of the West Bdy. of T. 15 N., R. 6 E., of the Gila and Salt River Base and Meridian, Territory of Arizona

executed by John J. Fisher and John P. Hesse, U.S. Deputy Surveyors under his contract No. 113, dated March 14, 1904, ~~me~~, 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.