Book "B"

Subdivisions

T. 18 N. R. 1 E.

Book "B"

CONTRACT №103

HESSE

No - 235

BOOK 235

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Field Notes

of the survey of the

Subdivision Lines

of

Township 18 North Range 1 East

of the

Gila and Salt River

Base and Meridian

in the

Territory of Arizona

as surveyed by

John P. Hesse

U. S. Deputy Surveyor

Under his contract No. 103

Dated September 27, 1902

Survey commenced

February 8th, 1903

Survey completed

February 18th, 1903

Names and duties of assistants

Russel E. Stone   Chainman

Willam O. Grimes   Chainman

Reuben W. Dewitt   Axman

Joe O Landers.   Flagman

6	10	1 5	7 2 4
100	98	71	
7	9 5	8	69 9
94	92	68	
18	9 0	17	66 16
88	86	64	T. 18 N. R. 1 E.
19	8 5	20	63 21
83	81	61	
30	8 0	29	60 28
78	76		
31	7 4	32	33

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	Over rough broken moun- tains through scattering cedar timber
14.50	Cross wash in cañon, course N.
40.10	Set a line stone 16 x 10 x 8 ins. 11 ins. in the ground for 1/4 sec. cor.; marked 1/4 on N face; from which A cedar 6 ins. diam. bears S 31 1/4° E. 25 lks. marked 1/4 S 33 B T A cedar 5 ins. diam. bears N 44 1/4° W. 50 lks. marked 1/4 S 28 B T
64.40	Cross wash, course N. W.
80.20	The cor. of secs. 28, 29, 32 and 33. Land, mountainous Soil, rocky; 4th rate Timber, cedar Mountainous land 80.20 chains

Subdivision of Tp. 18 N. Rg. 1 E.

chains

N. 0° 02' W. bet. secs. 28 and 29

Descending over rolling
mountains through scatter-
ing cedar timber.

2.70   Cross wash, course N.E.

13.15   Cross wash, course N.E.

40.00   Set a lime stone 16 x 10 x 8 ins. in
a mound of stone for
1/4 sec. cor. marked 1/4 on
W. face; and raised
a mound of stone 2
ft. base 1½ ft. high
W. of cor. Pits impracticable.

49.00   Right bank Verde River
course E.

52.50   Left bank of Verde River.

60 00   Joe Brazil Henn Bears West 18 chains Dist

63.00   Cross wash, course S.W.

80.00   Set a sand stone 24 x 12 x 3 ins. 18
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

Subdivision of Tp. 18 N. Rg. 1 E.

chains

A Pinon, 8 ins. diam. bears N 73° W.
102 lks. dist. marked T 18 N R 1 E
S 20 B T

A cedar, 8 ins. diam. bears S 14¼° E.
179 lks. dist. marked T 18 N R 1 E
S 28 B T

A cedar, 8 ins. diam.- bears S 35½° W.
209 lks. dist. marked T 18 N R 1 E
S 29 B T dug a pit 18x18x12 in N.E. of cor. 5½ ft. dist.
+ raised a mound of earth of ft. base 2 ft. high W. of corner

Land mountainous

Soil, rocky; 4th rate

Timber, cedar.

Mountainous land

80.00 chains.

_____

East on a random line
bet. secs. 21 and 28.

40.00 Set temp. ¼ sec. cor.

80.24 Intersect N. and S. line
at cor. of secs. 21, 22, 27
and 28
Thence I run

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	West on a true line bet. secs. 21 and 28
	Descending along rough broken S. slope of mountain through scattering cedar timber.
25.50	Cross wash, course S.
40.12	Set a sand stone 18 x 8 x 6 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1 1/2 ft. high N. of cor.
40.20	Cross wash, course S.E.
55.50	Cross wash, course S.W.
80.24	The cor. of secs. 20, 21, 28 and 29.
	Land, mountainous Soil rocky; 4th rate.

Subdivisions of Tp. 18 N. Rg. 1 E.

chains	
	Timber cedar.
	Mountainous land
	80.24 chains.

	N. 0° 02' W. bet. secs. 20 and 21
	Ascending over rolling
	mountains through
	scattering cedars.
33.00	Cross wash, course S.E.
40.00	Set a *sand* stone 16 x 10 x 4 ins. 11
	ins. in the ground for ¼ sec.
	cor.; marked ¼ on *W.* face; dug pits 18 x 18 x 12
	ins. *N* and *S* of cor. _3_ ft. dist.; and raised a
	mound of earth 3½ ft. base 1½ ft. high *W* of cor.
51.80	Descend into cañon.
60.10	Cross wash, course S.W.
65.40	Cross same wash, course S.E.
72.20	Cross same wash, course S.W.
	and ascend.
80.00	Set a *sand* stone 14 x 8 x 8 ins. in

Subdivision of Tp. 18 N. Rg. 1 E.

chains

a mound of stone for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on S and 4 notches on E edges; and

raised a mound of stone 2 ft. base 1½ ft. high, W. of cor.

Land, mountainous

Soil, rocky; 4th rate.

Timber, cedar.

Mountainous land 80.00 chains.

East on a random line bet. secs. 16 and 21.

40.00	Set temp ¼ sec. cor.
80.22	Intersect N. and S. line 7 lks. S. of cor. of secs. 15, 16, 21 and 22

Thence I run

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	S. 8° 35' W. on a true line bet. secs. 16 and 21
	Over rolling top of mountain.
40.11	Set a malpais stone 20 x 8 x 6 ins. in a mound of stone for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
40.50	Descend along S. side of cañon through scattering cedars about 4 chains S. of a wash, course W.
72.00	Cross wash course S.W. and ascend.
80.22	The cor. of secs. 16, 17, 20 and 21

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	Land mountainous
	Soil, rocky; 4th rate.
	Timber cedar.
	Mountainous land 80.22
	chains.

February 14, 1903

February 15: At 8ʰ 00ᵐ a. m. l. m. t. I set off 55° 03' N for my co-latitude 12° 53' S ✓ for my declination and determine a true meridian with the solar at the cor. of secs. 16, 17, 20 and 21

Thence I run N. 0° 02' W. bet. secs. 16 and 17 Ascending steep S. slope out of cañon

| 1.70 | Top and ascend over |

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	rolling mountains
33.50	Cross wash, course S. W.
	and enter cedar timber
40.00	Set a sand stone 20 x 10 x 4 ins. 15 ins. in the ground for ¼ sec. cor.; marked ¼ on W face; from which
	A cedar 24 ins. diam. bears N. 69¼° E. 88 lks. marked ¼ S 16 B T
	A cedar 14 ins. diam. bears N 87¼° W 52 lks. marked ¼ S 17 B T
80.00	Set a sand stone 14 x 8 x 5 ins. 9 ins. in the ground for cor. of secs. 8 , 9 , 16 and 17 , marked with 4 notches on S and 4 notches on E edges; from which
	A cedar , 10 ins. diam. bears N 38¾° E. 104 lks. dist. marked T 18 N R 1 E S 9 B T
	A pinon , 8 ins. diam. bears S 37¼° E. 68 lks. dist. marked T 18 N R 1 E S 16 B T
	A cedar , 4 ins. diam. bears S 59° W. 107 lks. dist. marked T 18 N R 1 E S 17 B T
	A cedar , 6 ins. diam. bears N. 51½° W. 133 lks. dist. marked T 18 N R 1 E S 8 B T

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	Land, mountainous
	Soil, rocky; 4th rate.
	Timber cedar.
	Mountainous land
	80.00 chains.
	―――――――――
	N. 89° 57' E. on a random
	line bet. secs. 9 and 16.
40.00	Set temp. 1/4 sec. cor.
80.16	Intersect N. and S. line
	14 chs. N. of cor. of secs
	9, 10, 15 and 16
	Thence I run
	N. 89° 57' W. on a true line
	bet. secs. 9 and 16
	Over rolling mountains
	through scattering cedar
	timber
30.20	Cross wash, course S. W.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
40.08	Set a _sand_ stone 20 x 12 x _4_ ins. _15_ ins. in the ground for ¼ sec. cor.; marked ¼ on _N._ face; from which
	A _cedar_ 14 ins. diam. bears _S 1° W_ _191_ lks. marked ¼ S _16_ B T
	A _cedar_ 12 ins. diam. bears _N. 9° W._ _2.02_ lks. marked ¼ S _9_ B T
43.00	Along on N. slope of mountain
80.16	The cor. of secs 8, 9, 16 and 17.
	Land mountainous. Soil rocky; 4th rate. Timber cedar.
	Mountainous land 80.16 chains

N. 0° 02' W. bet. secs. 8 and 9
Over rolling mountain
through scattering
cedar timber.

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
26.00	Leave timber.
40.00	Set a malpais stone 16 x 6 x 4 ins. 11 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable
44.00	Cross road bears N.W. and S.E.
45.00	Enter timber
80.00	Set a malpais stone 16 x 12 x 4 ins. 11 ins. in the ground for cor. of secs. 4, 5, 8 and 9, marked with 5 notches on S and 4 notches on E edges; from which

A cedar, 8 ins. diam. bears N 53° E. 33 lks. dist. marked T 18 N R 1 E
S 4 B T

A cedar, 10 ins. diam. bears S 20° E. 106 lks. dist. marked T 18 N R 1 E
S 9 B T

A cedar, 10 ins. diam. bears S 45½° W. 149 lks. dist. marked T 18 N R 1 E
S 8 B T

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	A cedar, 8 ins. diam. bears N. 44¼° W.
	98 lks. dist. marked T 18 N R 1 E
	S 5 B T

Land mountainous

Soil rocky and gravelly;
4th rate.

Timber cedar.

Mountainous or heavily
timbered land 80.00 chs.

	S. 89°57' E. on a random line
	bet. secs. 4 and 9.
40.00	Set temp. ¼ sec. cor.
80.18	Intersect N. and S. line
	4 lks. S. of cor. of secs. 3,
	4, 9 and 10
	Thence I run
	N 89°59' W
	S. 89°59' W. on a true line
	bet. secs. 4 and 9
	Over rolling mountains

Subdivision of Tp. 18 N. Rg. 1 E.

chains

	through cedar timber
6.50	Cross wash, course S.W.
29.50	Cross wash, course S.
40.09	Set a malpais stone 24 x 10 x 6 ins, 18 ins. in the ground for ¼ sec. cor.; marked ¼ on N. face; from which
	A cedar 8 ins. diam. bears S. 42½° E. 108 lks. marked ¼ S 9 B T
	A cedar 24 ins. diam. bears N. 32½° W. 246 lks. marked ¼ S 4 B T
80.18	The cor. of secs. 4, 5, 8 and 9.
	Land mountainous
	Soil, rocky and gravelly; 3rd and 4th rate.
	Timber cedar.
	Mountainous or heavily timbered land 80.18 chs.

N. 0° 02' W. bet. secs. 4 and 5

Over rolling mountains

through cedar timber

Subdivision of Tp. 18 N. Rg. 1 E.

chains

30.85	Cross wash, course S.W.
40.00	Set a malpais stone 18 × 10 × 4 ins. 12

ins. in the ground for ¼ s
cor.; marked ¼ on W. face; from which

A cedar 12 ins. diam. bears N 42° E.
47 lks. marked ¼ S 4 B T

A cedar 6 ins. diam. bears N 45½° W.
81 lks. marked ¼ S 5 B T

52.84 Intersect S. boundary
of Tp. 19 N. Rg. 1 E. 3.85
chs. E. of ¼ sec. cor. on
S. boundary sec. 34 and

Set a malpais stone 20 × 8 × 8 ins. 15

ins. in the ground for cor. of
secs. , 4 , and 5 , marked with 4 notches
on E and 2 notches on W edges; from which

A cedar , 14 ins. diam. bears S 53° E.
44 lks. dist. marked T 18 N R 1 E
S 4 B T

A cedar , 8 ins. diam. bears S 32½° W.
165 lks. dist. marked T 18 N R 1 E
S 5 B T

Land mountainous
Soil rocky; 4th rate

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	Timber cedar.
	Mountainous land
	52.84 chs.

February 15, 1903

February 16: At $8^h 00^m$ a. m.
l. m. t. I set off 55° 06′ N for
my co-latitude; 12° 32′ S.
for my declination and
determine a true meridian
with the solar at the cor.
of secs. 5, 6, 31 and 32 on
S. bdy. of Tp.
　　Thence I run
N. 0° 03′ W. bet secs. 31 and 32
Over rolling mountains
through scattering cedar
timber.

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
25.80	Cross wash course N.W.
34.40	Cross wire fence bears E. and W.
40.00	Set a malpais stone 16 x 12 x 6 ins. 11 ins. in the ground for ¼ sec. cor. marked ¼ on W. face; from which A cedar, 8 ins. diam. bears S. 32° W. 43 lks. dist. marked ¼ S 31 BT.

and raised a mound of stone 2 ft. base 1½ ft. high, W. of cor. Pits impracticable

| 80.00 | Set a malpais stone 18 x 10 x 4 ins. 12 ins. in the ground for cor. of secs. 29, 30, 31 and 32, marked with 5 notches on E and 1 notches on S edges; from which A cedar 6 ins. diam. bears S. 67½° W. 235 lks. dist. marked T 18 N R 1 E S 31 B T |

and raised a mound of stone 2 ft. base 1½

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	ft. high, W. of cor. Pits
	impracticable - No trees near
	Land, mountainous
	Soil, rocky; 4ᵗʰ rate
	Timber cedar.
	Mountainous land 80.00
	chains.

	East on a random line
	bet. secs. 29 and 32
40.00	Set temp ¼ sec. cor.
80.18	Intersect N. and S. line
	at cor. of secs. 28, 29, 32
	and 33
	Thence I run
	West on a true line bet.
	secs. 29 and 32.
	Over rolling mountains
	through scattering cedar

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	timber.
1.20	Cross wash, course N. E. and ascend steep E. slope.
11.00	Top mountain, leave timber and over mountain top.
17.50	Cross wire fence bears N. and S.
40.09	Set a malpais stone 20 x 8 x 6 ins. 15 ins. in the ground for ¼ sec. cor.; marked ¼ on N. face; dug pits 18 x 18 x 12 ins. E and W of cor. 3 ft. dist.; and raised a mound of earth 3½ ft. base 1½ ft. high N of cor.
43.15	Cross road, bears N. and S.
80.18	The cor. of secs. 29, 30, 31 and 32
	Land mountainous. Soil, rocky; 4th rate. Timber cedar. Mountainous land 80.18 chains.

Subdivision of Tp. 18 N. Rg. 1 E.

West

bet. secs. 30 and 31

10.00 Decend steep slope into canon

21.00 Cross Verde River 1.00 chn wide course N. and ascend.

31.10 Top and over rolling mountain through scattering cedars.

40.00 Set a ~~lime~~ line stone 18 x 12 x 12 ins. 12 ins. in the ground for ¼ sec. cor. marked ¼ on N. face;

from which
A cedar 8 ins. diam. bears S 42° W 128 lks. dist. marked ¼ S 31 BT
No other tree in limits.

Dug pits 18 x 18 x 12 ins. E. and W. of cor. 3 ft. dist and raised a mound of earth 3½ ft. base 1½ ft. high, N. of cor.

66.50 Cross wire fence bears N. and S.

72.50 Cross wash course S.

155.39
~~155.89~~ Intersect W. bdy of Pp.

see Letter 3/28/04

7.33
~~7.83~~ chs. N. of cor. of secs. N 7° 33' W

25 and 36 Pp. 18 N. Rg. 1 W.

Set a lime stone 16 x 12 x 6 ins. 10 ins. in the ground closing for cor. of secs. __, 30, __ and 31, marked with 5 notches on N and 1 notches on S and cc. on E. face; edges; from which

A cedar 5 ins. diam. bears S 62½° E. 110 lks. dist. marked CCT 18 N R 1 E S 31 B T

A pinon 8 ins. diam. bears N 23° E. 117 lks. dist. marked CCT 18 N R 1 E 30 B T

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
155.39
Mountainous land 155, 89 chs.

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	N 0° 03' W. bet. secs. 29 and 30
	Over rolling top of mountain
	through scattering timber
19.00	Descend into cañon
31.15	Cross Verde River 1.00 chn. wide
	course E. and ascend steep slope
40.00	Point for cor. falls on steep
	S. slope so at
43.95	Top I Set a malpais stone 16 x 12 x 6 ins.
	in a mound of stone for W. C. to
	sec. cor. marked ¼ on W. face;
	W.C. on S. face.
	and raised a mound of
	stone 2 ft. base 1½ ft. high
	W. of cor. Pits impracticable
68.00	Descend into cañon.
76.00	Cross wash in cañon course
	E. and ascend steep S. slope
80.00	Point for cor. falls on steep
	slope where it may be
	destroyed if set so at

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
87.67	Tp. Set a malpais stone 18 x 12 x 6 ins. in a mound of stone for witness cor. for cor. of secs. 19, 20, 29 and 30, marked with 5 notches on E and 2 notches on S edges; and W.C. on S. face. and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Land, mountains

Soil, rocky; 4th rate.

Timber cedar.

Mountainous land 87.67 chs.

February 16, 1903

_____

February 17, 1903 At 8ʰ 00ᵐ a. m.
l. m. t I set off 55° 04' for my
co-latitude 12° 12' S on the
decl. arc. and determine
a true meridian with
the solar at the cor. of

Subdivision of Tp. 18 N Rg. 1 E.

chains	
	secs. 19, 20, 29 and 30
	Thence I run from witness
	cor.
	East on a random offset
	line bet. secs. 20 and 29.
2.00	Offset N. 2.33 chs continue Eas
40.00	Set temp. ¼ sec. cor.
80.28	Intersect N. and S. line
	10.00 chs. N. of cor. of secs.
	20, 21, 28 and 29.
	Thence I run
	West on a true line bet.
	secs. 20 and 29 Offset
	N. 10.00 chs.
40.14	Set a malpais stone 20 x 16 x 8 ins. in
	a mound of stone WC ¼ for ¼ sec.
	cor.; marked ¼ on WC N face; from which
	A cedar 20 ins. diam. bears N 19½° E.
	28 lks. marked WC ¼ S 20 B T
	A cedar 10 ins. diam. bears S 67½° W
	57 lks. marked WC ¼ S 29 B T. Impossible t
	place W. C. on surveyed line

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
80.28	Run south ~~80.00~~ **2.33** chs. to witness cor. of secs. 19, 20, 29 and 30.

Land rough, broken and mountainous

Soil, rocky; 4$\frac{th}{}$ rate.

Timber, cedar.

Mountainous land 80.28 chs.

West bet. secs. 19 and 30 from witness cor.

Over top of mountains through scattering cedar timber.

4.00	Offset N. 2.33 chs.
	~~Thence I run West~~
40.00	I run S. 9.80 chs. to brink of cañon and set witness cor. 20 lks. N. of its true position

Set a malpais stone 26 x 14 x 4 ins. in

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
	a mound of stone for 1/4 sec
✓	cor. marked 1/4 W.C on N. face;
	and raise a mound of
	stone 2 ft. base 1 1/2 ft high
	N. of cor. Pits impracticable
53.10	Run S. 20 lks. to line
	and descend steep S.W.
	slope.
	Thence I run West
65.50	Cross wash course S.E.
	and ascend
83.00	Top and over rolling
	mountains through scattering
	timber.
165.41	Intersect W. bdy. of Tp.
	7.94 chs. N7°33'W N. of cor. of secs
	24 and 25 Tp. 18 N. Rg. 1 W. and
	Set a malpais stone 15 x 12 x 8 ins. 10
	ins. in the ground for closing cor. of
	secs. —, 19, and 30; marked with 4 notches
	on N and 2 notches on S and cc on E. face edges; dug pits 24.
	18 x 12 ins. N and S. of stone 3 ft.
	dist. and E of stone 7 ft dist.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	crosswise on each line and raised a mound of earth 4 ft. base 2 ft. high E. of cor.
	Land, mountainous
	Soil, rocky 4th rate.
	Timber cedar.
	Mountainous land 165. 41 chs.

	N 0°03' W. bet. secs. 19 and 20
	From witness cor.
	Over rolling mountains through scattering cedars.
32.33	Set a malpais stone 15 x 10 x 3 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face; and raised a mound of stone 2 ft. base 1½ ft. high W. of cor. Pits impracticable

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
48.80	Descend into cañon.
56.50	Cross wash course S.E.
67.50	Top and over rolling mountains.
72.33	Set a sand stone 14 x 8 x 5 ins. 8 ins. in the ground for cor. of secs. 17, 18, 19 and 20, marked with 3 notches on S and 5 notches on E edges, Dug pits 18 x 18 x 12 ins in each sec. 5½ ft. dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor. Land, mountainous Soil, rocky; 4th rate. Timber cedar.

___

East on a random line bet. secs. 17 and 20

| 40.00 | Set temp ¼ sec. cor. |

Subdivision of Tp. 18 N. Rg. 15.

chains	
80.30	Intersect N. and S. line at cor. of secs. 16, 17, 20 and 21 Thence I run West on a true line bet. secs. 17 and 20 Ascend steep S.E. slope out of canon.
2.30	Top and over rolling mountains through scattering cedar timber.
17.00.	Cross wash course S.W.
40.15	Set a malpais stone 20 x 12 x 6 ins. in a mound of stone for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
42.50	Cross wash course S.E.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
60.00	Descend into cañon
67.00	Cross wash course S.E.
	and ascend.
72.00	Top and over rolling mountain top.
80.30	The cor. of secs. 17, 18, 19 and 20
	Land, mountainous.
	Soil, rocky; 4th rate
	Timber, cedar.
	Mountainous land 80.30
	chs.

West bet. secs. 18 and 19

Over rolling mountain top.

2.00	Descend into cañon
6.30	Cross wash course S.E. and
	ascend
11.00	Top and over rolling top
	of mountain through
	scattering cedars.

Subdivision of Tp. 18 N. Rg 1 E.

Chains	
40.00	Set a *Malpais* stone 18 x 8 x 4 ins. in a mound of stone for 1/4 sec. cor. marked 1/4 on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
159.75	Cross wash course S.E.
167.50	Cross wash course N.E.
172.50	Cross wash course S.E.
175.91	Intersect W. bdy of Tp 8.61 chs. N.7° 33'W. of the cor. of secs. 13 and 24 Tp. 18 N. Rg 1 W. Set a *malpais* stone 18 x 12 x 3 ins. 12 ins in the ground for closing cor. of secs. , 18 , and 19 , marked with 3 notches on N and 3 notches on S edges; and c c on E. face; from which A *cedar* , 12 ins. diam. bears S 42½° E. 99 lks. dist. marked C C T18N R1E S19 BT and raised a mound of stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	Land, mountainous
	Soil, rocky; 4th rate
	Timber cedar.
	Mountainous land 175.91
	chs
	February 17, 1903

February 18, At 8 h 00 m a.m.
l.m.t. I set off 55° 03' for
my co-latitude; 11° 51' S. on
the decl. arc and determine
a true meridian with the
solar at the cor. of secs.
17, 18, 19 and 20
Thence I run
N. 0° 03' W bet. secs 17 and 18
Over rolling mountains
through scattering timber

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
21.50	Descend into cañon
35.50	Cross wash course S.E. and ascend.
40.00	Set a malpais stone 20 x 6 x 4 ins. 15 ins. in the ground for ¼ sec. cor.; marked ¼ on W face; dug pits 18 x 18 x 12 ins. N and S of cor. 3 ft. dist.; and raised a mound of earth 3½ ft. base 1½ ft. high W of cor.
57.00	Top and over mountain top
65.00	Descend into cañon
75.50	Cross wash course S.W. and ascend.
80.00	Set a malpais stone 20 x 8 x 3 ins. in a mound of stone for cor. of secs. 7, 8, 17 and 18, marked with 4 notches on S and 5 notches on E edges; from which A cedar, 6 ins. diam. bears N 43° E 92 lks. dist. marked T 18 N R 1 E S 8 BT A cedar, 4 ins. diam. bears S 44° W 73 lks. dist. marked T 18 N R 1 E S 18 BT & raised a mnd of stone 2 ft. base 1½ ft. high W. of corner

Subdivision of Tp. 18 N. Rg. 16.

chains	No trees in limits. Pits impt.
	Land, mountainous
	Soil, rocky 4th rate
	Timber, cedar

	East on a random line bet.
	secs. 8 and 17
40.00	Set temp. ¼ sec. cor.
80.10	Intersect N. and S. line
	at cor. of secs. 7, 8, 17 and 18
	Thence I run
	West on a true line bet.
	secs. 8 and 17
	Over rolling top of mountains
	through scattering cedar
	timber.
6.00	Leave timber
40.05	Set a malpais stone 18 x 12 x 8 ins. in a
	mound of stone for ¼ sec.
	cor. marked ¼ on N. face;

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable
56.00	Enter scattering timber
68.00	Leave timber.
72.00	Descend into cañon
77.50	Cross wash course S.W. and ascend.
78.00	Enter scattering timber.
80.10	The cor. of secs. 7, 8, 17 and 18.
	Land, mountainous Soil, rocky; 4th rate Timber cedar. Mountainous land 80.10 chs.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	West bet. secs. 7 and 18
	Ascending out of cañon through scattering cedars.
3.50	Top and over mountain top.
35.00	Leave timber
38.50	Cross wash course S.
40.00	Set a sand stone 24 x 14 x 6 ins. in a mound of stone for ¼ sec. cor. marked ¼ on N. face; and raised a mound of stone 2 ft. base 1½ ft. high N. of cor. Pits impracticable.
165.00	Cross wash course S. E.
178.00	Cross fence N. and S.
186.44	Intersect N. and S. line N.7° 33'W. 9.29 chs. N. of cor. of secs. 12 and 13 Tp. 18 N. Rg. 1 W. on W. bdy. of Tp.

Subdivision of Tp. 18 N. Rg. 1 E.

chains

Set a malpais stone 18 x 6 x 5 ins. 12 ins. in the ground for cor. of secs. ___, 7, ___ and 18, marked with 2 notches on N and 4 notches on S edges; cc on E face from which

A cedar, 3 ins. diam. bears S 50° E 57 lks. dist. marked CC T18 N R 1 E S18 BT no other tree in limits. Raise a mound of stone 2 ft. base 1½ ft. high E. of cor. Pits impracticable

Land, mountainous

Soil, rocky 4th rate.

Timber cedar.

Mountainous land 186.44 chs.

_____

N 0°03' W bet. secs. 7 and 8

Along E. slope of canon through scattering timber and brush.

Subdivision of Tp. 18 N. Rg 16 E.

Chains	
3.00	Leave timber and brush
9.50	Cross wash course S.E. and ascend along W. slope.
19.00	Leave brush and through scattering timber.
21.00	Top and over rolling mountain
29.00	Descend into cañon
34.00	Cross wash course S.W.
39.00	Top and over mountain top through scattering cedars.
40.00	Point for ¼ sec. cor. falls on rock in place 24 × 18 × 12 ins. above ground I mark a cross + for exact cor. point and ¼ on N of cross; from which A cedar , 6 ins. diam bear N 63¾° W. 136 lks. dist. marked ¼ S 7 BT.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains

No other tree in limits.
Raise a mound of stone
2 ft. base 1½ ft. high
W. of cor. Pits impracticable

80.00 Set a malpais stone 18 x 8 x 8 ins. 12
ins. in the ground for cor. of
secs. 5, 6, 7 and 8, marked with 5 notches
on 8 and 5 notches on E. edges; from which
A cedar 12 ins. diam. bears S 46° E.
155 lks. dist. marked T 18 N R1E
S 8 BT
A cedar 24 ins. diam. bears S 39½° W.
84 lks. dist. marked T 18 N 1 E
7 BT

No other trees in
limits. Dug pits 18 x 18
x 12 ins N. E. and N. W.
of cor. 5½ ft. dist. and
raised a mound of
earth 4 ft. base 2 ft.
high W. of cor.
Land, mountainous

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	Soil, rocky 4th rate.
	Cedar timber.
	Mountainous land 80.00
	chs.
	East on a random line
	bet. secs. 5 and 8.
40.00	Set temp ¼ sec. cor.
80.12	Intersect N. and S. line
	at cor. of secs. 4, 5, 8 and 9
	Thence I run
	West on a true line bet.
	secs. 8 and 17.
	Over rolling mountains
	through cedar timber.
12.00	Leave timber.
29.20	Cross road bears N. and S.
36.00	Enter scattering timber

Subdivision of Tp. 18 N. Rg. 1 E.

chains	
40.06	Point for ¼ cor. falls in bed of wash so at
37.00	Set a malpais stone 18 x 12 x 4 ins. in a mound of stone witness for ¼ sec. cor.; marked ¼ WC on N face; from which A cedar 6 ins. diam. bears N 51¾° E. 112 lks. marked ¼ WC S 5 B T A cedar 8 ins. diam. bears S 15½° E. 35 lks marked ¼ WC S 8 B T
40.00	Cross wash course S. W.
68.00	Cross dim road bears N.E. and S. W.
80.12	The cor. of secs. 5, 6, 7 and 8.

Land, mountainous.
Soil, rocky; 4th rate.
Timber, cedar.
Mountainous land
80.02 chs.

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	West bet. secs. 6 and 7
	Over rolling hills through
	very scattering timber.
25.00	Cross wash course S. W.
30.00	Cross wash course S. E.
40.00	Set a sand stone 18 x 12 x 6 ins. 12

ins. in the ground for
1/4 sec. cor. marked 1/4 on
N. face and raise a
mound of stone 2 ft. base
1 1/2 ft. high W. of Cor.
Pits impracticable

| 196.98 | Intersect W. bdy. of Tp. |

10.04 chs. N 7° 33' W of cor. of secs.
1 and 12 Tp. 18 N. Rg. 1 W.
Set a malpais stone 18 x 12 x 3 ins. 12
ins. in the ground for
closing cor. of secs. 6 and 7
marked with 5 notches
on S. and 1 notch on N.

Sub-division of Tp. 18 N. Rg. 1 E.

Chains

edges and CC on E. face;
Dug pits 24 X 18 X 12 cross-
wise on each line N. and
S. 3 ft. dist. and E. of
cor 7 ft. dist; and
raised a mound of
~~sdorth~~ earth 4 ft. base 2 ft.
high E. of cor.
Land, rolling.
Soil, sandy 2nd rate
Timber cedar.

N 0° 03' W. bet. secs. 5 and
6.
Over rolling hills through
scattering timber.

17.70 Cross dim road bears
S.E. and N. W.

Sub-division of Tp. 18 N. Rg 1 E.

28.40	Cross wash course S.W.
40.00	Set a malpais stone 18 x 10 x 8 ins. 12

ins. in the ground for ¼ sec.
cor.; marked ¼ on W face; from which
A cedar 24 ins. diam. bears N. 6° E.
226 lks. marked ¼ S 5 B T
A cedar 10 ins. diam. bears S 50° W.
197 lks. marked ¼ S 6 B T

52.64	Intersect S. bdy. of Tp.

19 N. Rg. 1 E. 4.73 chs. E.
of the ¼ sec. cor. on S.
bdy. of sec. 33
Set a malpais stone 15 x 8 x 4 ins. 11

ins in the ground for cor.
of secs. 5 and 6 marked
with 5 notches on E. and
1 notch on W. edges; dug
pits 18 x 18 x 12 ins S.E.
and S.W. of cor. 5½ ft.
dist.; and raised a
mound of earth 4 ft.
base 2 ft. high S. of

Subdivision of Tp. 18 N. Rg. 1 E.

Chains	
	cor.
	Land mountainous
	Soil sandy 3rd rate.
	Timber cedar.
	Mountainous land
	52.64 chs.

February 18, 1903

General Description.

This Tp. is rough and
mountainous. The soil
is rocky and 4th rate
except in the extreme N. W.
cor. where it is 2nd rate.
The N. E. part of Tp. is
covered with a dense growth
of cedar timber which
grows sparsely over
the rest of the Tp.

The Verde River runs
through the S. part of
Tp. but as it is in
a deep cañon its water
is not available in the
Tp.

There is one settler
Joe Brazil in sec. 29

John P. Hesse
U. S. Deputy Surveyor

For corrections in red ink see letters of
Feb 28, 1904, & april 11, 1904

LIST OF NAMES.

A list of the names of the individuals employed by

John P. Hesse

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 the *Subdivision lines of Tp. 18 N. Rg. 1 E. and the re-survey of the Gila and Salt River Meridian through Tp. 18 N.*

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted.

Russel E. Stone, Chainman.

Willom O. Grimes, Chainman.

A. G. Holstrom, Chainman.

H. A Cheverton, Chainman.

Reuben W. DeWitt, Axman.

_____, Axman.

Joe O Landers, Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted _John P. Hesse_
United States Deputy Surveyor, in surveying all those parts or portions
of the _North and South boundaries_
of Tp 18 N Rg 1 E. Subdivision
lines of Tp 18 N Rg 1 E. and
the re-survey of the Gila and
Salt River Meridian through
_Tp 18 N._

of the Gila and Salt River Base and Meridian, in the Territory of Ari-
zona, as are represented in the foregoing field notes as having been sur-
veyed 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 faith-
fully surveyed, and the corner monuments established according to the
instructions furnished by the United States Surveyor-General for
Arizona.

Russel E. Stone, Chainman.
Willam O Grimes, Chainman.
A A Holstrom, Chainman.
H H Cheverton, Chainman.
_____, Axman.
_Reuben ___ Dewitt_, Axman.
Jos. O Sanders, Flagman.

Subscribed and sworn to before me this _twentieth_ day
of _February_, 190_3_.

John P. Hesse

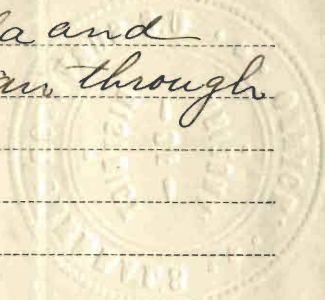[SEAL.]   ~~Notary Public.~~

U. S. Deputy Surveyor

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, _John P. Hesse_, United States Deputy Surveyor, do solemnly swear that in pursuance of a contract received from _Hugh H. Price_, United States Surveyor-General for Arizona, bearing date of the _27th_ day of _September_, 1902, 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 _subdivision lines of Tp. 18 N. Rg 1 E. and the re-survey of the Gila and Salt River Meridian through Tp. 18 N._

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as 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 perpetu-

ated in strict accordance with the Manual of Surveying Instructions, the special 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 TRUE 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.
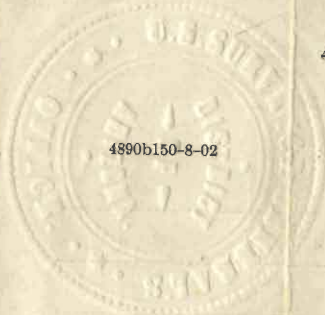
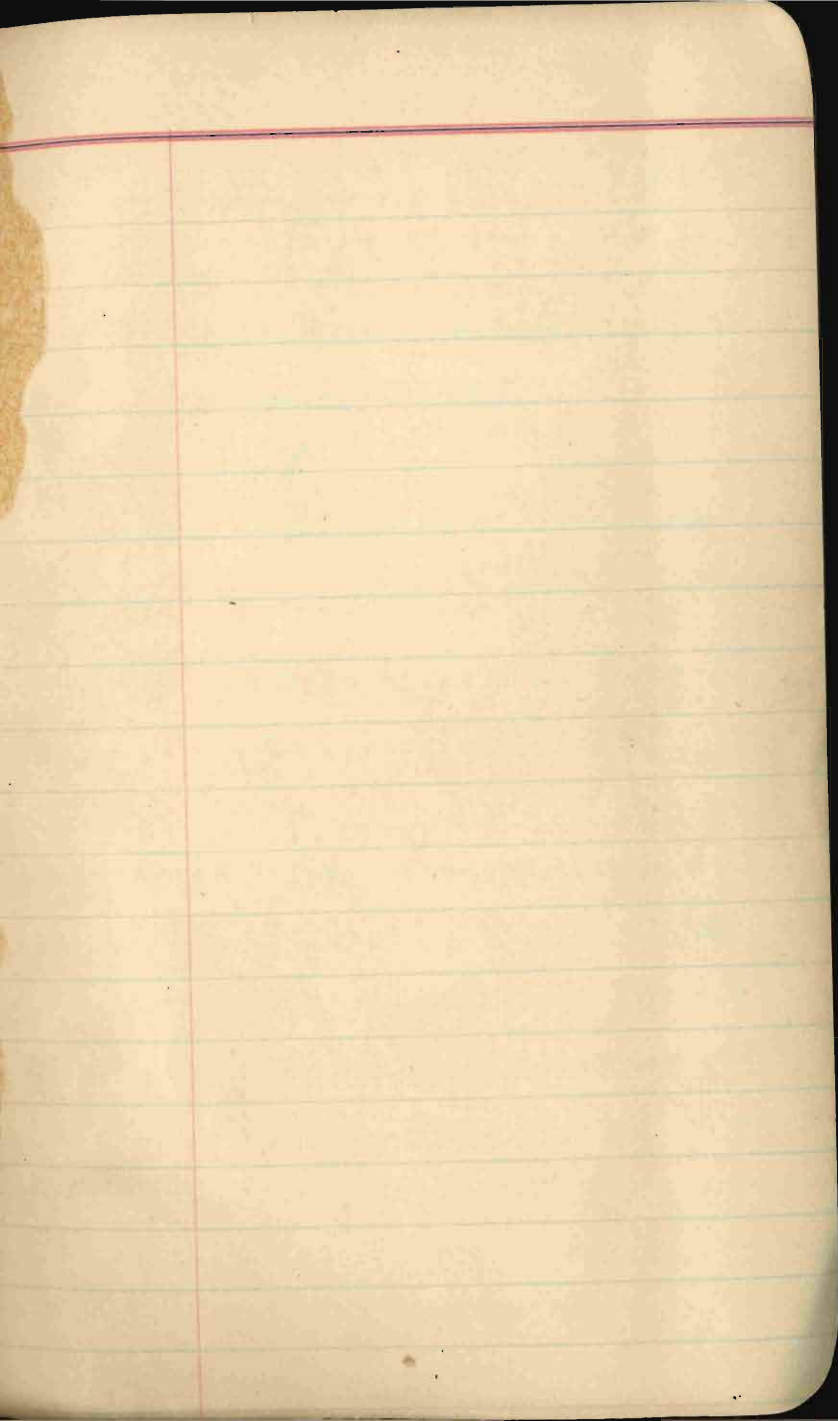_John P. Hesse_

U. S. Deputy Surveyor.

Subscribed and sworn to before me this _1st_ day of _October_, 190_3_

Frank A. Ingalls

U. S. Surveyor General

A P P R O V A L.

Office of the

United States Surveyor-General,

Phoenix, Arizona.

April 23 1904

The foregoing field notes of the survey of *subdivisions of T 18 N R 1 E,*

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

Executed by *John A. Hesse*

United States Deputy Surveyor, under his contract No. *103,* dated *Sept. 27* 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. Ingalls

U. S. Surveyor-General.