

X Platted

BOOK 315

No 315

Contract No 58.

Approved by Com

July 14, 1890.

No 4-671 315

315

FIELD NOTES

BOOK 315

GENERAL LAND OFFICE.

of the survey of the Subdiv. lines

inship of R. G. E.

in the new Base & Merid
Arizona

By Henry L. Jones, Jr
Contract dated Feb 21, 1885

Survey commenced July 17, 86

" " completed " 21st "

T 19 N R 6 E Subdivisions ²

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No - 315 -

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General Remarks Pages 29, 30 & 31.

For preliminary notes of assistants
see book No. 7.

Division 7, 19. N R 6 East.

Preliminary to commencing this survey I ran $S 89^{\circ} 44' N$ on a blank line on the south boundary of Sec 36 and at 39.94 chs found the $\frac{1}{4}$ Sec Cor and at 79.92 found the Sec. Cor. I also ran $N 18^{\circ} 08' W$ on the E boundary bet Secs 31 and 36 and at 40.00 chs found $\frac{1}{4}$ Sec Cor and at 80.08 chs found the Sec. Cor.

My instrument will therefore run the same lines, line as the exterior boundaries, and the bearings practically agrees.

Survey commenced July 17th 1886 with a Transit with solar attachment manufactured by W and L. C. Gurley of Troy N.Y.

I commenced at the Cor to Secs. 1, 2, 35 and 36 previously described.

Sub divisions T 19 N R 6 E Continued

by me. Thence I run
North $13^{\circ} 08' N$. bet Secs 35 and 36
Va $14^{\circ} 10' E$

Over high rolling ground

- 40.00 Set malpais rock $10+10+6$ ins 7 ins
in the ground for $\frac{1}{4}$ Sec Cor marked
 $\frac{1}{4}$ on N face and raised a mound
of stone alongside; From which
A Pine 10 ins diam bet N $10^{\circ} W$
120 cks dist marked $\frac{1}{4}$ S. B. T.
An Oak 8 ins diam bet S $10^{\circ} W$
40 cks dist marked $\frac{1}{4}$ S. B. T.
- 71.00 Cross Gulch 15 cks wide course S.W.
- 80.00 Set malpais rock $14+10+5$ ins 10
ins in the ground for Cor to Secs 25;
26. 35 and 36 marked with 1
notch on S and E edges and
raised a mound of stone
alongside; From which

Sub divisions T 9 N R 6 E Continued
 cas

An oak 4 mis diam hrs N 20° E 95 lbs
 dist marked T 9 N R 6 E S 25 B. T.

A Pine 5 mis diam hrs S 70° E 110 lbs dist
 marked T 9 N R 6 E S 36 B. T.

A Pine 6 mis diam hrs S 30° W 88 lbs dist
 marked T 9 N R 6 E S 35 B. T.

A Pine 12 mis diam hrs N 36° W 90 lbs dist
 marked T 9 N R 6 E S 26 B. T.

Land Mountain Mesa

Soil rocky - 3d rate

Timber heavy pine and oak.

N 89° 49' E. on W. random line bet Secs 25 & 36
 70 14° 10' E

Over broken ground. Ascend

24.00 Top of ridge 150 feet high hrs N & S
 Descend steep slope

28.00 Foot of slope 150 feet below top of ridge

40.00 Set temporary 1/4 Sec cor.

Sub-divisions T19 & R6 E Continued

80.10 Intersect E boundary of the 21 lps
 of the Cor to Secs. 25, 30, 31 and 36
 which is a malpais rock 10 + 6 ins marked
 with 1 notch on S. and 5 notches on N
 edges and covered of stone along with straw which
 A Pin 36 ins diam hrs N. 60° E 8 lps dist
 marked T19 & R7 E S 30 B.T.

Another 12 ins diam hrs S 70° E. 65 lps dist
 marked T19 & R7 E S 31 B.T.

A Pin 24 ins diam hrs S. 85° W. 66 lps
 dist marked T19 & R6 E S 36 B.T.

A Pin 8 ins diam hrs N 20° W 72 lps
 dist marked T19 & R6 E S 25 B.T.

Thence I run

S. 70° 55' W on a true line bet Secs 25 & 36

with same va

40.05 Set malpais rock 12 + 7 + 5 ins
 8 ins in the ground for 1/4 Sec Cor
 marked 1/4 on N face and raised

Sub divisions 74 N.C.E. Continued
 cts

a mound of stone along side

80.10 The Cor to Res 25, 26, 35 and 36

Land mountainous

Soil rocky - 3d rate

Timber, Pine and oak.

N. $13^{\circ} 8' 11''$ bet Res 25 and 26

7a $14^{\circ} 10' E$

Over high broken ground

17.00 Cross gulch 15 cts wide course S.W.

and ascend gradual slope

24.00 Cross road to Scott's Springs br. E & W

40.00 Set malpais rock 12 + 10 + 9 ins 8 ins

in the ground for 1/4 sec. Cor marked

1/4 on W face and raised a mound of

stone along side: - From which;

A Pine 16 ins diam bet NW 40 cts

dist marked 1/4 S.B.T.

A Pine 30 ins diam bet S. 60 cts.

Sub divisions T 19 N R 6 E Contn
chs

dist marked T 19 S B T

45.00 Top of ridge about 150 feet high west of S.

80.00 Set ~~mark~~ ^{mark} in rock 20 + 12 + 4 ins
16 ins in the ground for Cor to Secs

23. 24. 25 and 26 marked with

2 notches on S and 1 notch on

N edges and raised a mound

of stone along side: From which

An oak 6 ins diam has N 12° E 140

dist marked T 19 N R 6 E S 24 B T

An oak 15 ins diam has S 85° E 140

lbs dist marked T 19 N R 6 E S 25 B T

An oak 14 ins diam has S 31° W 108 lbs

dist marked T 19 N R 6 E S 26 B T

A Pine 5 ins diam has N 20° W 38 lbs

dist marked T 19 N R 6 E S 23 B T

Land mountainous

Soil rocky - 3d rate -

Timber Pine and oak.

Sub-division T 19 N R 6 E Contine
cks

N 89° 49' E on a random line bet Secs 24 & 25

ru 140 10' E

Over mountainous ground
ascend slope

30.00 Top of ridge 65 feet high bet NW & SE

28.00 Foot of slope and gatch course NW

29.00 Ascend slope of ridge

40.00 Set temporary 1/4 Sec Cor

60.00 Top of ridge 150 feet high bet N & S
Sec climbing slope

69.00 Cross Scott's way or road bet N 2 & 3 1/2

80.12 Intersect E. boundary of T 19 N R 6 E

cks S. of the Cor to Secs 19, 24, 25 & 30

which is on Malpais rock 8 + 7 ins

marked with 2 notches on S

and 4 notches on N ridge and

mound of stone along side :-

From which a Pine 24 ins diam bet

N 0° 30' E 143 cks dist marked T 19 N R 6 E S 19 1/2

Sub divisions. Fig. A B. C. E. Cont.

chs

A Pine 10 ins diam hrs S 60° E 183 lks
dist marked Fig. A B 7 2 S 30 B. T.

A Pine 10 ins diam hrs S 47° N 96 lks
dist marked Fig. A B 6 E S 25 B. T.

A Pine 20 ins diam hrs N 32° W 91 lks
dist marked Fig. A B 6 E S 24 B. T.

Thence I run

S 79° 35' W on a true line bet Secs 24 + 25
with some run

40.06 Set malpais rock 12 + 10 + 5 ins
8 ins in the ground for $\frac{1}{4}$ the cor
marked $\frac{1}{4}$ on N face and raised
a mound of stone along side. From which
A Pine 24 ins diam hrs S. 40 lks
dist marked $\frac{1}{4}$ S B. T.

A Pine 23 ins diam hrs N 8° E 60
lks dist marked $\frac{1}{4}$ S B. T.

80.12 Cor to Secs 23. 24. 25 and 26
Land Mountainous

Sub divisions T 14 N R 6 E Contine

cks

Soil - rocky - 3d rate
 Timber heavy pine and oak.

I examined my instrument
 to day and found it to be in
 perfect adjustment.

July 17, 1886

At $13^{\circ} 8' N$ bet Secs. 23 and 24
 7a 14010' Eo

Over high rolling ground.

Along W slope of ridge bet N & S

40.00 Set walrus rocks $10 + 10 + 7$ in
 7 in in the ground for $\frac{1}{4}$ Sec

One marked $\frac{1}{4}$ on N face and
 raised a mound of stone

alongside: From which

A pine 6 in diam bet S $87^{\circ} N$ 45
 cks dist marked $\frac{1}{4}$ S B. T.

Sub divisions T₉ & R₆ E. Continued
Chs

APine 5 ins diam hrs S 30° E 40 lbs
dist marked T₉ & R₆ E.

80.00 Set mulpair rock 20 + 12 + 3 ins
16 ins in the ground for Cr to
Secs 13, 14, 23 and 24 marked
with 3 notches on S and 1 notch
on E edges and raised a mound
of stone along side; From which
APine 14 ins diam hrs N 80° E 30

lbs dist marked T₉ & R₆ E S 13 B.T.

APine 8 ins diam hrs S 10° E 114 lbs

dist marked T₉ & R₆ E S 24 B.T.

An oak 15 ins diam hrs S 40° W 85 lbs

dist marked T₉ & R₆ E S 23 B.T.

An oak 6 ins diam hrs N 15° W 14

lbs dist marked T₉ & R₆ E S 14 B.T.

Land Mountainous

Soil rocky - 3d rate -

Timber, heavy pine & oak.

Subdivisions 7, 9 & R 6 E Counties

cls

N 87° 49' E on a random line bet Secs 13 & 24

20 14° 10' E

Over mountainous ground

Ascending slope of ridge

12.00 Top of ridge 30 ft high bet NW & SE

Descending slope

20.00 Cross wash rocks side Course N 70° W

40.00 Wet temporary 1/4 Sec cor

And ascending slope

65.00 Top of ridge about 200 feet

high bet NW & S, & descend slope

80.16 Intersect E boundary of T 6
at the cor to Secs. 13, 18, 19 & 24

which is a mulpin's rock 12 + 4
ins marked with 3 notches

on S and N edges and mound
of stone along side. From which

An old 10 ins chain bet N 20° E 3
cls dist marked 7, 9 & R 6 E S 18 B, S.

Sub divisions 719 N R 6 E Cont'd
cls

A Pine 30 ins diam hrs S 88° E 70 lks dist
marked 719 N R 7 E S 19 B. T.

A Pine 28 ins diam hrs S 60° W 70 lks
dist marked 719 N R 6 E S 24 B. T.

An oak 8 ins diam hrs N 42° W 6 lks
dist marked 719 N R 6 E S 18 B. T.

Thence I run

S. 89° 49' W a true line bet Secs 13 + 24

with some 20

40.08 Set malpais rock 10 + 10 + 5 ins
7 ins in the ground for 1/4 Sec
Cor marked 1/4 on N face and

raised a mound of stone
alongside; Thence which
A Pine 18 ins diam hrs N 88° W 40
lks dist marked 1/4 S B. T.

A Pine 28 ins diam hrs S 85° W
60 lks dist marked 1/4 S B. T.

8016 The Cor to Secs 13. 14. 23 + 24

Sub divisions Top of R 6 E Contine
cls

Land mountains

Soil rocky - 3d cut -

Timber heavy pine & oak.

N. $13^{\circ} 8' W$ bet Secs 13 and 14

$72^{\circ} 14' 10' E$

Over mountainous ground

20.00 Commence to descend into Cañon.

31.00 Bottom of Cañon about 200 feet deep Course $N 75^{\circ} E$

40.00 Set limestone 18 + 12 + 4 ins 14

ins in the ground for $\frac{1}{4}$ Sec Cor

marked $\frac{1}{4}$ on N face and raised

a mound of stone along side. From

whic. An oak 5 ins diam has S. E. 20

cks dist marked $\frac{1}{4}$ S. T. T.

A Pine 6 ins diam has S. 60° W

20 cks dist marked $\frac{1}{4}$ S. T. T.

From this Cor the E. branch of
oak Creek Cañon with nearly

Sub divisions Top of Q 6 E contin
cho

perpendicular walls about 740
feet high hrs N 19.00 W

Course N 83.0 W

On account of the rugged
character of the ground it
is impracticable to proceed
further North from the cor-
ner established.

Land Mountainous

Soil rocky - 4th rate

Timber pine and oak

July 19th 1856.

From the Cor to Secs 2, 3, 34 and 35
previously described by me from
North $13^{\circ}08'N$ bet Secs 34 and 35

ra $14^{\circ}10'E$

Over mountainous ground

15.00 Caves rocky gulch, rocks with Course N 70.

Sub-divisions 719 N R 6 E cont.

chs

- 40.00 Set mulpair's rock 10+10+8 ins 7 ins
in the ground for $\frac{1}{4}$ Sec. Cor marked
 $\frac{1}{4}$ on N face and raised a mound
of stone alongside. From which:
A Pin 12 ins diam hrs N 60° E 65
cls dist marked $\frac{1}{4}$ S 13.7.
- A Pin 10 ins diam hrs N 8° W 70 cls
dist marked $\frac{1}{4}$ S 13.7.
- 46.00 Top of Ridge 85 feet high E of N
and descend slope.
- 74.00 Cross gulch 2 cls wide Course N 60° W
- 80.00 Set mulpair's rock 12+10+7 ins 8 ins
in the ground for Cor to Secs 26.27
34 and 35 marked with 1 notch on
S and 2 notches on E edges and
raised a mound of stone
alongside. From which:
A oak 6 ins diam hrs N 20° E 40
cls dist marked $\frac{1}{4}$ N R 6 E S 26 13.7.

Sub-divisions T 19 N R 6 E Contn
chs

An oak 12 ins diameter S 20° E 150 lks
dist marked T 19 N R 6 E S 35 B. T.
An oak 14 ins diameter S 11° 120 lks
dist marked T 19 N R 6 E S 34 B. T.
An oak 15 ins diameter N 30° W 120
lks dist marked T 19 N R 6 E S 27 B. T.

Land mountainous

Soil rocky - 3d rate

Timber pine and oak

N 89° 49' E on a random line bet chs 26 & 35

22 140 10' E

Over mountainous ground

- 13.90 Cross gulch 15 lks with Course Str
and ascend slope of ridge
- 22.00 Top of ridge 75 feet high bet N E & S Str
and descend slope of same.
- 40.00 Set temporary 1/4 Sec cor
- 61.00 Foot of slope cross gulch 22 lks with
Course Str.

Sub divisions T₁ & R. 6 E continued

chs

80.14 Intersect N. T. line at the Cor to
secs. 25, 26, 35 and 36.

Thence I run

S 57° 49' N. on a true line bet secs 26 & 35
with some run

400 y Set Malpais rock 10 x 10 x 8 ins 7 ins
in the ground for 1/4 Sec cor marked
1/4 on N face and raised a mound
of stone alongside. From which
A Pine 27 ins diam bet N 80° E 101 1/2 ft
dist marked 1/4 S. B. T.

A Pine 25 ins diam bet N 75° W 85 1/2 ft
dist marked 1/4 S. B. T.

80.14 Cor to Secs. 26, 27, 34 and 35 -

Sand mountains

Soil rocky - 3d rate -

Timber heavy pine and oak.

Sub divisions 719 N. R. 6 E. Contn

Chs

As it is impossible to establish the line bet Secs 27 & 34 from the West on account of the impassible wall of Oak Creek Run I establish the E portion of it from the Sec Cor last established as follows:—

S $89^{\circ} 49' 11''$ on a true line bet Secs 27 & 34

2a $14^{\circ} 10' E$

Over mountainous ground

- 9.00 Cross gulch 25-30 ft wide Course N $65^{\circ} W$
- 25.00 Top of low ridge bet NW & SE
- 32.00 Edge of left-bank of Oak Creek Course descend abruptly
- 40.00 Perpendicular wall of rock in place which I mark with a (+) cross at the exact Sec Cor point for $\frac{1}{4}$ Sec Cor marked $\frac{1}{4}$ N of cross.

Balance of line measurable

Sub-division T₁ R 6 E Cont₁
cls

Land mountainous

Soil rocky - 3d rate

Timber Pine and oak.

North 13° S. W. bet - Secs 26 and 27

7a $14^{\circ} 10'$ E

Over mountainous ground

Ascend broken slope

- 10.00 Top of ridge 50 feet high hrs N 70 S E
- 27.00 Cross rocky gulch 25 feet deep Course N 70
- 38.00 Cross Hart's narrow road hrs E + W
- 40.00 Set malpais rocks 12 + 10 + 8 ins
8 ins in the ground for $\frac{1}{4}$ sec Cor
marked $\frac{1}{4}$ on N face and raised
a mound of stone clayish from which
An Oak 10 ins diam hrs hrs N 90 S
^{dit} marked $\frac{1}{4}$ S. B. T.
- A Pine 24 ins diam hrs S 20 E
80 cks dit marked $\frac{1}{4}$ S. B. T.

Sub divisions T₉ R₆ E. Contn
chs

62.00 Cross gulch 15 lks wide Course W

80.00 Set sulphur rock 16 + 12 + 8 ins
12 ins in the ground for Cos to
Secs 22, 23, 26 and 27 marked
with 2 notches on S and E edge, &
from which; A Pine 20 ins diam hrs. N 80° E

60 lks dist marked T₉ R₆ E S 23 B. 9.

A Pine 40 ins diam hrs S 80° E 45 lks
dist marked T₉ R₆ E S 26 B. 9.

A Pine 30 ins diam hrs S 70° W 50 lks
dist marked T₉ R₆ E S 27 B. 9.

A Pine 8 ins diam hrs N 86° W 64
lks dist marked T₉ R₆ E S 22 B. 9.

Land mountainous

Soil rocky - 3d rate

Timber heavy pine & oak.

N 89° 49' E. on a prominent line bet Secs 23 & 26

7a 14° 10' E

~~Sept domains Tip of R 6 E Containment~~
 clo

Over rolling ground

40.00 Set temporary $\frac{1}{4}$ Sec Cor

80.15 Intersect N + S line 19 lks N
 of the Cor to Secs 23, 24, 25 + 26

Thence I run

S 90° E 110 p. true line bet Secs 23 + 26
 with same run

40.00 Set mulpin's rock 12 + 10 + pins

8 ins in the ground for $\frac{1}{4}$ Sec Cor

marked from N face and raised

a mound of stone along side from

which an oak 6 ins diam br S

S 85° E, 10 lks dist marked $\frac{1}{4}$ S B. T.

A Pine 13 ins diam br S 6° W 14.0

lks dist marked $\frac{1}{4}$ S B. T.

From this Cor Scotts house

and Corral br S 20° E about

45 clo dist -

80.15 The Cor to Secs 22, 23, 26 and 27

Sub divisions T 14 N R 6 E Contd

chs Land high rolling
Soil rocky - 3d rate -
Timber heavy pine & oak

It being impossible to establish
the line bet Secs 22 and 27
from the West - on account of
the impassible E. side of Oak
Creek Canon I establish the
the eastern portion of it as follows
From the Sec last named I run
S 89° 49' W. on a true line bet Secs 22 & 27

7a 14° 10' E

Over broken ground

7.00 Cross gutch 100ks wide base SW
29.00 E. edge of oak Creek Canon
40.00 Nearly perpendicular wall
of Canon. Rock in place - mass
which I mark with (+) cross

Ant. dimensions. T. 14 N. R. 6 E. Contn
cls

at the exact Cor point for $\frac{1}{4}$
Sec Cor, marked $\frac{1}{4}$ N. of cross

From this Cor Hart's
House brs SW about 35.00 cls
near E bank of oak creek.

The balance of this line
is unsurveyable.

Land rugged mountainous
Soil rocky - 40th rate
Timber Pine & oak.

A 13° 08' N. bet Secs 22 and 23
7a 14° 10' E

Over broken ground

200 Cross gulch 15 cls with Course SW

40.00 Set Malpais rock 10 + 10 + 8 ins

7 ins in the ground for $\frac{1}{4}$
Sec cor marked $\frac{1}{4}$ on N face
and raised a mound of stone

Sup divisions T₁₉ N R 6 E Contin
chs

- along side; - From which
An oak 14 ins diam bet N 37° W 40
lks dist marked 1/4 S B. Y.
- An oak 16 ins diam bet S 30° E
70 lks dist marked 1/4 S B. Y.
- 40.25 Edge of Pinion 75 feet deep course S 37° W
- 50.00 Edge of opposite oak. edge of Cañon.
- 80.00 Set malpais rock 16 + 10 + 9 ins
12 ins in the ground for Cor to Secs
14, 15, 22 and 23 marked with
3 notches on S and 2 notches on
E edge and raised a mound of
stone along side. From which
A Pine 20 ins diam bet N 40° E
35 lks dist marked T₁₉ N R 6 E S 14 B. Y.
- A Pine 16 ins diam bet S 60° E 80 lks dist
marked T₁₉ N R 6 E S 23. B. Y.
- A Pine 15 ins diam bet S 80° W
120 lks dist marked T₁₉ N R 6 E S 22 B. Y.

Sub divisions - T 19 N R 6 E Contn
chs

A Pine 26 ins diam bet N 86° W 130 lbs
dist marked T 19 N R 6 E S 15 B. T,
Land broken mountainous
Soil rocky - 3d rate
Timber heavy Pine and oak.

N 89° 49' E on a random line bet Secs 14 + 23
ra 14° 10' E

Over high broken ground
40.00 Set temporary 1/4 Sec Cor
77.00 Commence to ascend slope
80.00 30 feet above foot. Intersect at
S line 21 lbs N of the Cor to
Secs 13, 14, 23 and 24

Thence I run
S 89° 38' W on a true line bet Secs 14 + 23
with same ra

40.04 Set mulpleis rock 10 + 10 + 6 ins
7 ins in the ground for 1/4 Sec Cor

S. & divisions T 19 N R 6 E Contin
 Chas

marked 1/4 on N face and raised
 a mound of stone along side. From where
 A Pine 33 ins diameter N 80° E 100
 lks dist. marked 1/4 N B. T.

An oak 8 ins diameter N 75° W
 60 lks dist marked 1/4 N B. T.

80.08 The Cor to Secs 14, 15, 22 and 23

Land high, broken

Soil rocky - 3d rate -

Timber heavy Pine and oak.

From the Sec Cor last established

viz. Cor to Secs 14, 15, 22 and 23

the E edge of Oak Creek Cañon
 hrs N. 29, 20 Chs from which

a precipitous rocky wall
 descends about 1200 feet and
 the line is unsurpassable.

Also the South Edge of "East-
 Oak Creek" Cañon hrs

Sub-divisions T. 4. N. R. 6. E. Con
chs

N. 21.80 Chs and descends
almost perpendicularly 1200
feet - Course S 65° W.

I examined my instrument
to day and found it to be in
perfect adjustment.

July 21st 1886.

As the remainder of this township
is mountainous and rugged,
cut by deep canyons with
precipitous rocky walls, and
and impassible gorges and
gulches, it is impracticable
to proceed further with its
sub-division.

General Remarks

The portion of this Township

General Remarks Continued

surveyed by me is covered with a heavy growth of Pine suitable for lumber. There is also a large quantity of mountain white oak of inferior quality.

Nutritious grasses grow in the open places among the timber. The range is partially occupied by cattle owned by Mr Scott who resides in Sec 26 and Mr Hart residing in Sec 27.

The agricultural lands are confined to narrow strips along Oak Creek.

The only trail leading from Oak Creek to the Mountains West, ascends from Mr Healds Place

General remarks on

and it requires 3 hours for a man a foot to make the ascent.

The mountains West of "Oak Creek", and North of "East Oak Creek Cañon" are practically inaccessible and worthless.

The average depth of Oak Creek Cañon is about 1500 feet from the E. and 1800 from the W. sides.

R. L. Dowers
U. S. Deputy Surveyor.

U. S. Surveyor-General's Office,

TUCSON, A. T., June 24 1889

The foregoing Field Notes of the Surveys of
the subdivision lines of
T. 19 N - R. 6 E.

Gila and Salt River Meridian
in Arizona. executed by
Ridgley C. Powers.

U. S. Deputy Surveyor, under his contract dated
Feb. 21st 1885

having been critically examined, the necessary correc-
tions and explanations made, the said Field Notes and
the surveys they describe are hereby approved.

John Hisco
U. S. Surveyor-General
for the Territory of Arizona.