

1695

West Bay, and Subdivisions.

T. 32 N. - R. 4 W. (Fractional)

BOOK 1695

1695

4-671

FIELD NOTES
GENERAL LAND OFFICE.

1695

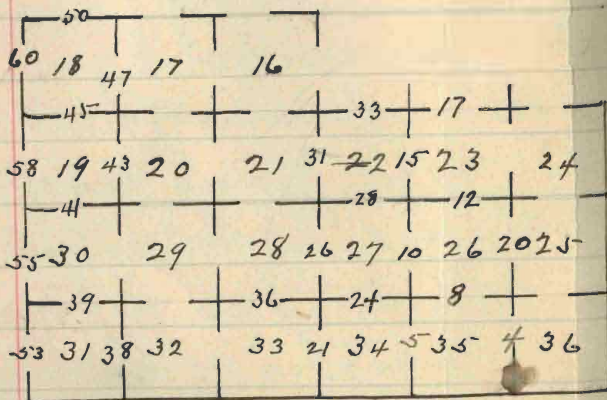
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Subdivisions T. 32 N. R. 4 W

Names and Duties of Assistants
 William K. Lockdidge Chairman
 Fred Ferguson Chairman
 Jay Lebesch Moundman
 Harry Spaw Axeman
 Henry J. Sellers Axeman
 Jay Jacobs Flagman

Township 32. N. Range 4 W.

Index



Subdivisions T32 N. R4 W

Survey commenced
 September 10th 1901 and
 executed with a W.T.L.E.
 Gurley Sight Mountain
 Transit with a Burt
 Solar attachment.

The horizontal limb being
 provided with two opposite
 verniers reading to single
 minutes of arc. —

I test the Transit on
 the meridian established
 August 16th 1901 at my camp
 at the center of T^{p.} 16. T31 N
 R4 W. Record of which will be
 found in the notes of the N.—
 and N. Bdy. of said T^{p.} —
 and find its adjustments
 correct. —

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BOOK 1695

Subdivisions T. 32 N. R. 4 W.

chains

- 34.00 Ridgw bears E. and W.
Descend
- 40.00 Set a lime stone 18x10x8
ins. 12 ins. in the ground
for $\frac{1}{4}$ Sec. cor.
Marked $\frac{1}{4}$ on N. face
From which
A cedar 8 ins. in diam.
bears N 73° E 155 lks. dist.
Marked $\frac{1}{4}$ S 35 B.T.
A cedar 12 ins. in diam.
bears N 32° W. 184 lks. dist.
Marked $\frac{1}{4}$ S 34 B.T.
- 42.00 Gulch course N.E.
Ascend
- 50.00 Ridgw bears N.E. and S.W.
Descend
- 54.00 Descend
- 70.00 Gulch course N.E.
Ascend
- 77.00 Ridgw bears N.E. and S.W.

Subdivisions T. 32 N., R. 4 W.

chains

78.90 Road to Supai village
bears N. E. and S. W.

79.00 Descend

80.00 Set a limestone $24 \times 8 \times 6$ ins.
18 ins. in the ground for cor.
of Secs 26-27-34 and 35
marked with 1 notch on S,
and 2 notches on E edges
Dig pits $18 \times 18 \times 12$ ins. in
each section $5\frac{1}{2}$ ft dist.
and raise mound of earth
and stone 4 ft. base 2 ft. high
N. of the stone. From which
A cedar 10 ins. in diam.
bears $N 87\frac{1}{4} E$ 234 lds. dist.
marked T 32 N.-R. 4 W. S 26 B.T.
A cedar 10 ins. in diam.
bears $S. 61^{\circ} W.$ 211 lds. dist.
marked T. 32 N.-R. 4 W. S 34 B.T.
A cedar 8 ins. in diam.

8

Subdivisions T. 32 N. R. 4 W.
chains

bears N70½ W. 190 lks. dist.
Marked T 32 N. - R 4 W. S 27 - B, T.
Land broken and provey
Soil 3^d rate.

Timber scattering cedar
Dense undergrowth of
chico, buck and cedar
brush 80.00 chs

N. 89° 50' East on a random line,
bet. Secs 26 and 35
40.00 To point in breaks of
Ostracat canon can
carry line no further
I set a lime stone 18x12x8
ins. 12 ins in the ground for
¼ sec. cor marked ¼ on
N. face. Dig pits 18x18x12
ins. ^{E and W of cor} and raise mound
of stone 3 ft base ½ ft

Subdivisions T 32 N - R 4 W 9

Dicharius

High N. of the Stone.
 Pits impracticable
 Thence

S. 89° 50' West on a true line,
 but, bet Secs 26 and 35
 over mountainous ground
 through dense undergrowth
 Descend

5.00 Bottom of Cañon 400 feet
 up course N. E.
 Ascend

9.75 Ridge bears S. E. and N. W
 Descend

14.00 Same Cañon course S. E.
 Ascend

20.00 Ridge slopes N -
 Descend

26.50 Same Cañon course N 20° E
 Ascend

Subdivisions T. 37 N. R. 4 W.

chains.

- 38.50 Ridge bears N E and S, W.
- 38.90 Supai road bears N, E, and S, W.
Descend
- 40.00 The cor. of Secs. 26-27-34 and 35
Land very broken and rough
Soil 4th rate
Timber scattering cedar
dense undergrowth of Chics,
hick and cedar 80⁰⁰ chs
September 10th 1901.
-
- N 0¹ W. bet. Secs. 26 and 27
over broken ground
through dense undergrowth
Descend. -
- .75 Ascend
- 11.00 Ridge bears S, E, and N, W.
- 16.50 Descend
- 18.00 Gulch course N. W.
Ascend

Subdivisions T. 32 N. R. 4 W. 11

chains

- 26 00 Ridge bears S. E. and N. W.
- 31- 00 Descend
40. 00 set a limestone 24x12x6 ins.
18 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on W face
From which
Acedar 16 ins. in diam.
bears N $56\frac{1}{4}$ E / 78 lks. dist.
marked $\frac{1}{4}$ S 26 B.T.
- Acedar 8 ins. in diam.
bears S 13° W 92 lks. dist.
marked $\frac{1}{4}$ S. 27 B.T.
80. 00 set a lime stone 24x14x10 ins.
18 ins. in the ground for cor. of
Secs. 22, 23, 26 and 27
marked with 2 notches on S
and E, edges. From which
Acedar 12 ins. in diam.
bears N $72\frac{1}{2}$ E / 176 lks. dist.
marked T. 32 N. - R. 4 W. S 23 B.T.

Subdivisions T32N, R4W,
chains

A cedar 8 ins. in diam.
bears S 46° W 9 lks. dist.
Marked T32N. - R4W S 27 B.T.

A cedar 5 ins. in. diam.
bears N 86½° W 78 lks. dist.

Marked T32N. - R4W. S 22 - B.T.

no others near
Land rough and broken
Soil 3^d rate

Timber scattering cedar
dense undergrowth of choco.
hack and cedar 80.00 chs

~~N. 89° 50' East on a random line,
bet. Secs. 23 and 26~~

~~40.00 set temp. 4 sec. cor.~~

~~80.00 Set a lime stone 24 x 12 x 6 ins.
18 ins. in the ground for cor.
of Secs 23-24, 25 and 26
marked with 2 notches on S
and one / on east edges~~

Subdivisions T. 32 N. R. 4 W.

N. $89^{\circ}50'E$, on a true line,
bet sec. 28 & 26.

Over broken ground, through dense
undergrowth. Ascend.

- 2.50 Ridge crs. S.E. and N.W.
10.00 Gulch course N.W. Ascend
21.00 Top of bank of gulch.
28.00 Ascend.
30.00 Ridge crs. N. & S.
40.00 Set a limestone, $18 \times 12 \times 6$ ins.
12 ins. in the ground for $\frac{1}{4}$ sec.
cor, marked $\frac{1}{4}$ on N. face, from
which
A cedar, 6 ins. in diam, crs.
N. $11\frac{1}{2}^{\circ}E$, 137 lks. dist, marked
 $\frac{1}{4}$ S 23 RT, and raise mound
of stone, 4 ft base, 2 ft. high
N. of cor. Pits impracticable,
Ascend
46.00 Gulch course N.

14 Subdivisions T. 32 N. R. 4 W.

54.00 Gulch course N.W. Secund
 70.00 Top of ridge, bet. N & S. Ascend
 80.00 I set a limestone, 24 x 12 x 6 ins.

18 ins. in the ground for cor,
 of sec. 23, 24, 25 & 26, marked
 with 2 notches on S & 1 on
 east edges. Lig pits 18 x 18 x 12 ins.
 in each sec. 5 1/2 ft. dia & nice
 mound of earth, 4 ft base, 2 ft.
 high. W. of cor.

Land rough.

Soil 3rd rate.

Timber scattering cedar,
 Dense undergrowth of chaco,
 cholla & cedar 80.00 obs.

Subdivisions T. 32 N., - R. 4 W., 15

chains

N. 0° 1' W. bet. Secs. 22 and 23

over very rough ground

Descend

10.00

Gulch course N 70° W

Ascend

13.

Point of ridge bears S. E.

20.50

Gulch course S. W.

Ascend

28.50

Top of rocky rim bears E. and W.

39.00

Top of round knoll 50 lks. in diameter

39.50

Descend

40.00

Set a sand stone 18 x 10 x 6 ins

12 ins in the ground for 1/4

sec. cor. marked 1/4 on W.

face From which

Acedar 12 ins in diam

bears S 82° E. 61 lks. dist.

Marked 1/4 S 23 B.T.

Acedar 8 ins in diam.

Subdivisions T. 32 N. - R. 4 W.

chains.

bears N $78\frac{1}{4}^{\circ}$ W 73 lks. dist.
marked 14 S 22 B.T.

45.00 Descend

52.00 Ascend

65.00 Ridgw bears E and W.

Descend

80.00 Set a lime stone $20 \times 10 \times 6$ ins.
15 ins. in the ground for cor,
of Secs. 14 - 15 - 22 and 23
marked with 3 notches on S
and 2 notches on E. edges.

From Church

A Cedar 6 ins. in diam.
bears N 71° E 73 lks. dist.
marked T. 32 N. - R. 4 W. S 14 B.T.

A Cedar 12 ins. in diam.
bears S $43\frac{1}{4}^{\circ}$ E 129 lks. dist.
marked T 32 N. - R 4 W. S 23 B.T.

A Cedar 10 ins. in diam.
bears S $69\frac{1}{2}^{\circ}$ W. 62 lks. dist.

Subdivisions T. 32 N. R. 4 W.

17

marked T 32 N R 4 W S 22 B T.

A cedar, 8 ins. in diam.
brs. N. $8\frac{1}{2}^{\circ}$ W. 159 lbs. dist.

marked T 32 N. R 4 W. S 15 B T.

Land rough.

Soil 3rd rate.

Timber cedar, 80,00 lbs.

N. $89^{\circ}00'E$. on a true line,
bet. sec. 14 & 28.Over broken ground, through
dense undergrowth.

- 1.30 Top of ridge, brs. S. E. Descend
- 12.30 Gulch course N. W. Ascend.
- 22.30 Top of ridge, brs. N. & S. descend.
- 30.30 Gulch course N. Ascend.
- 34.30 Top of ascent.
- 40.00 Set a limestone, 20 x 12 x 6 ins.
15 ins. in the ground for $\frac{1}{4}$
sec. cor. marked $\frac{1}{4}$ on N face

Subdivisions T. 32 N. R. 4 W.

from which.

A. Cedar, 8 ins. in diam.
 brs. S. $20\frac{1}{2}^{\circ}$ W. 32 lbs. dist.
 marked $\frac{1}{4}$ S 28 B T.

A cedar, 5 ins. in diam.
 brs. N. $0\frac{1}{2}^{\circ}$ W. 147 lbs. dist.
 marked $\frac{1}{4}$ S. 14 B T.

44.30 Top of ridge, brs. N & S.
 Ascend.

68.55- Rock wall 40 ft. high.

68.80 A crack in the canon wall,
 1 ch. wide, 50 ft. deep. brs.
 N. E & S. W.

70.00 Ascend.

70.30 Rocky point on brink of
 Cataract canon.

I set a limestone $24 \times 15 \times 5$ ins
 for Nitrous cor. of secs. 13-14-
 23 & 24, in a mound of
 stone, marked with 3 notches

Subdivisions ^{BOOK 1695} T 32 N. R. 4 W

on S. & 1 notch on E. edges.
 & WC on W face

Raise mound of stone, 4
 ft. base, 2 ft. high, W of
 cor. Pits impracticable

Land very barren.

Soil, rocky, red rate.

Timber scattering cedar.

Dense undergrowth of chico,
 buck & cedar 70, 30 lbs.

Sept 11th 1901

20 Subdivisions T32N. R4W
 chains

From the cor. of Secs.
 23, 24, 25 and 26.

I run
 S 0° 1' E bet. Secs. 25 and 26
 over broken ground
 through dense underbrush to
 ascend

33.00 Ridge bears N.E. and S.W.
 Descend

40.00 Set limestone 30 x 12 x 5 ins,
 10 ins. in the ground to bedrock
 surrounded by mound of
 stone and earth.

marked 1/4 on W face
 From which

A Cedar 5 ins. in diam.
 bears S. 11 1/2 E 25 lks. dist.
 marked 1/4 S 25 B.T.

A Cedar 8 ins. in diam.
 bears S 28 1/4 W. 78 lks. dist.

Subdivisions T. 32 N.: R. 4 W. 21

haus

marked 1/4 S 26 B.T. —

The Brink of Cataract
Cannon is 3.5 Mts. S., and

40 Mts. E. of this 1/4 cor.

Imp practicable to proceed South
Land rollingSoil 2^d rateTimber scattering cedar
dense undergrowth of chin,
birch and cedar 40 chs.

From the cor. of Secs.

3, 4, 33 and 34 on the S bdy,
of the 1/4 I run

N 0° 2' W. bet. Secs. 33 and 34

over broken ground

through dense underbrush

Ascend

10

Ridge by N 10° E and S 10° W

26.00

Descend

31.00

Bottom of Cannon 400 ft deep

Subdivisions T32 N. R4W
chains

course West

Ascend

40.00 Set a limestone 24x10x5 ins.
18 ins. in the ground for $\frac{1}{4}$ sec. cor.
marked $\frac{1}{4}$ on N face
From which

A Cedar 10 ins. in diam.

bran N $66\frac{3}{4}^{\circ}$ E 35 lks. dist.

marked $\frac{1}{4}$ S 34 B.T.

A Cedar 5 ins. in diam.

bran N $46\frac{1}{2}^{\circ}$ W. 97 lks. dist.

marked $\frac{1}{4}$ S 33. B.T.

40.70 Top of canon wall by E and W

43.00 Ridge bran E, and W.

Descend

49.75 Top of Canon Wall

Descend

59.50 Bottom of Canon 300 feet deep

course West

Ascend

chains

65.75 Top of Cañon Wall

70.00 Ridge bears E and W.

80.00 Descend

80.00 Set a limestone 24x10x6 ins
18 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
from which

A Cedar 10 ins. in diam,
bears N $12\frac{1}{2}$ E 97 lks. dist.
marked T. 32 N. - R. 4 W. S 27 B. T.

A Cedar 8 ins. in diam,
bears S 10° E 156 lks. dist.
marked T 32 N. - R 4 W. S 34 B. T.

A Cedar 6 ins. in diam,
bears S. 59° W. 36 lks. dist.
marked T 32 N. - R 4 W S 33 B. T.

A Cedar 8 ins. in diam,
bears N 80° W. 92 lks. dist

24 Subdivisions T. 32 N. R. 4 W.
chains

marked T 32 N-R 4 W. S 28 B.T.

Land very rough

Soil 4th rate

Timber scattering cedar

Dense undergrowth of ches.

hack and cedar 80th ch. s.

N. 89050 East on a random line,
but sees. 27 and 34

40.00 set temp. 1/4 sec. cor.

80.00 Intersect. N. and S. line

23 ch. N. E. cor of sees 26-27-34 and 35

thence I run

West on a true line but sees 27-
and 34

over broken ground

through dense undergrowth

Descend

6.80 Supai Trail bears N and S

77.60 Gilch and Supai Road

Subdivisions T. 32 N., R. 4 W., 20-

chance

bear N. and S.

Ascend

30-50 Top of Gulch bank

ascend more gently

40-00 Setalimestone 18x8x6 ins.

12 ins. in the ground for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N

face From which

A cedar 8 ins. in diam.

bear. N $49\frac{3}{4}^{\circ}$ E 212 lks. dist.marked $\frac{1}{4}$ S 27 B.T.

A cedar 6 ins. in diam.

bear S $59\frac{1}{2}^{\circ}$ W. 184 lks. dist.Marked $\frac{1}{4}$ S 34 B.T.

43.00 Ridge bears N. E. and S. W.

Descend

52-50 Gulch course N. E.

ascend

57.00 Ridge bears NE and SW

69.00 Descend

Subdivisions T32N-RHW

Chains
80.00The ~~cont.~~ of secs. 27-28

33 and 34

Land broken

Soil 3^d rate

Timber scattering cedar

Dense undergrowth of

Ches. hick and cedar 80th chsSeptember 12th 1901

N0°2'N bet. Secs. 27 and 28

Over rough land

Through dense undergrowth

1.50

Ascend

28.70

Gulch course N.W.

Ascend

30.50

Top of bank of

40.00

Set a limestone 30x12x5 ins

8 ins. into ground to bedrock

Surrounded by mound

Subdivisions T 32 N. R 4 W 27

chains

Earth and stones for $\frac{1}{4}$ sec.
cor. marked $\frac{1}{4}$ on W face

raise mound of stone 4 ft
base 2 ft high W. of cor.

Pits impracticable

47-00 Descend

60-00 Bottom of descent

Ascend

74-00 Ridge slopes East

Descend

78-75 Head of Gulch course N. E.

80-00 Set a limestone 24 x 14 x 6 ins.

8 ins. in the ground to bed rock

for cor. of secs. 21-22-27 and 28

marked with 2 notches on S

and 3 notches E edges

raise mound of stone and

earth 3 ft base 1 ft high

around the stone

From which

28

Subdivisions T 32 N. R 4 W

chains

A Cedar 6 ins. in diam,
bear S $7\frac{3}{4}^{\circ}$ W. 173 lks. dist.

marked T. 32 N. - R. 4 W. S 28 B.T.
No other trees in limits.

Pits unpracticable

Land broken

Soil 4 $\frac{1}{2}$ rate

Timber scattering cedar
mountainous land and
dense undergrowth of
chico cholla and cedar 80 lks

East on a random line,
bet. Secs. 22 and 27

40.00 set temp. $\frac{1}{4}$ sec cor

79.56 Intersect N. and S. line

18 lks. N of the cor. of Secs
22-23-26 and 27.

Thence I run

N $89^{\circ} 52'$ W. on a true line
bet. Secs. 22 and 27

Subdivisions T. 32 N. R. 4 W. ²⁹

chains

over mountainous ground
through dense underbrush
Descend

5-50 Gulch course N. E.

Ascend

11-50 Ridge bears N. and S.

13-00 Descend

20-30 Gulch course N. W.

Ascend

23-50 Ridge bears S. E. and N. W.
Descend

25-40 Road bears S. E. and N. W.

26-50 Gulch and Road course N.

Ascend

38-00 Ridge bears N. and S.

39-78 Atd limestone 18x8x6 ins

12 ins. in the ground for 1/4

sq. cor marked 1/4 on N face

From which

A cedar 6 ins. in diam.

Subdivisions T. 37 N. R. 4 W.

chain

bears N 64 1/4° W 123 lvs. dist.

marked 1/4 S 22 B.T.

no other trees in limits

raise mound of stone 3 1/2 ft.

base 1 1/2 ft high N of cor.

Pits in front of the abbe

41-00 Descend

44-60 Descend bank of cañon

60-00 Bottom of cañon course N
Ascend64-30 Top of N. bank of cañon
Thence along S bank of
side Gulch78-00 Gulch course N.E.
Ascend

79-56 The cor. of sec. 21-22-27 and 28

Land mountainous

Soil rocky 4th rate

Timber scattering cedar

Dense underbrush of chico

Sage and cedar 79-56 chs.

Subdivisions T. 32 N. R. 10 + W.

chains

No. 2' W. bet. Secs. 21 and 22
over mountainous ground
through dense undergrowth
Ascent

11.00 Ridge bears S. W.
30.90 Descent bank of cañon
36.40 Bottom of cañon course ^{N. E.}
Ascent

40.00 set a limestone 18x10x6 ins.-
12 ins in the ground for 1/2
sec cor. marked 1/4 on W. face
From which

A Cedar 7 ins. in diam.
bears N 56° E 210 lks. dist.
marked 1/4 5 22 B.T.

A Cedar 10 ins in diam.
bears S 71/4° W 145 lks. dist.
marked 1/4 5 21 B.T.

46.20 Ridge slopes N. E.

46.80 Descend

32

Subdivision T. 32 N. R. 4 W.

chains

57.00

Gulch course N. E.
Ascend

63.50

Ridge slopes E

78.50

Descend trail of Hualapai
Cannon

80.00

set a lime stone $24 \times 12 \times 8$ ins.
8 ins in the ground to bedrock
surrounded by mound of
stone. marked with 3
notches on S and E edges
From whichA cedar 10 ins. in diam
bears N $58\frac{1}{2}$ E 156 lks dist.

Marked T 32 N. R. 4 W. S 15 B. T.

A cedar 8 ins. in diam.
bears S $31\frac{1}{2}$ E 84 lks. dist.

Marked T 32 N. R. 4 W. S 22 B. T.

No others in limits
raise mound of stone
 $3\frac{1}{2}$ ft base 2 ft high W of cor.
Pts impracticable

Subdivisions T 32 N, R, 4 N,
chains

Land mountainous
Soil rocky 4th rate
Timber scattering Cedar
Dense underbrush of chico
bush and cedar 80. chs.

S 89° 57' E. on a random
line, bet sees 15 and 22

40.00 set temp 1/4 sec. cor.

79 84 Intersect N and S line 26 chs.

N of the cor of sees 14-15-22-23

Thence I run

N 89° 41' W on a true line
bet. sees. 15 and 22

Over mountainous ground
through dense undergrowth
Descend

11.25 Gulch course N.W

15 Ascend

19 00 Ridge runs S.E. and N.W.

Subdivisions T32 N.-R.4 W.
chains

Descend

32.55 Descend steep rocky bluff

79.92 set a limestone $18 \times 10 \times 6$ ins.
12 ins. in the ground for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on N face
From which

A cedar 10 ins. in diam.
bears $N 51^\circ E$ 137 lbs. dist
marked $\frac{1}{4}$ S 15 B.T.

A cedar 6 ins. in diam.
bears $S 18\frac{1}{2}^\circ E$ 98 lbs. dist.
marked $\frac{1}{4}$ S 22 B.T.

The Supai Warehouse
at the head of the Hualapai
trail bears $S 35^\circ W$ about
15. chs.

53-18 Supai trail bears N and S

53.50 Cañon course $N 30^\circ W$

61.00 Ascend

Subdivisions T. 32 N. R. 4 W.

chains

79. Ridge slopes n. E.
Descent79. 84 The cor. of secs. 15-16-21 and 22
Land mountainous

Soil & rate

Timber scattering Cedar

Dense underbrush of chico

Cholla and Sage 79.84 chs

September 13th 1901

36

Subdivisions T, 32 N. R. 4 W.
chains

From the cor of secs.

27-28-33 and 34

S. 89° 50' West ^{on a true line} bet. secs. 28 and 33

over mountainous land

through dense undergrowth

6.30 Gulch course N

ascend

27 Ridge bears S E and N W

Descend

36.20 Rim of Canon from N and S
Descend

40.00 set limestone 24x8x6 ins.

6 ins in the ground to

bedrock for 1/4 sec cor

marked 1/4 on N face

from which

A cedar 16 ins. in diam.

bears S 55 3/4 W 45 lbs. dist.

marked 1/4 S 33 B.T.

A cedar 6 ins. in diam.

Subdivisions T. 22 N. R. 4 W ³⁷

chain

Leas N 78½ W. 86 lns. dist.
 Marked ¼ S 28 B.T.

Strais mound
 of stone 3 ft base 1½ ft
 high around cor. stone.
 The West half of this
 line is within Hualapai
 command cannot be
 run. —

Land mountainous
 Soil rocky 4th rate
 Timber Sableberry cedar
 Dense under brush of chico
 brush and cedar 40 chs

The line bet Secs 37 and 38
 is unsurveyable. —

Subdivisions T 32 N. R 4 W

chains

From the cor of Secs
5-6-31 and 32 on the
S. bdy. of the Tp. Iron
NO 3rd N bet Secs. 31 and 32
over mountainous land
through dense underbrush

6.00 Ascend

26

Ridge base N.E. and S.W.
Descent

40.00

Set a limestone 18x8x6 ins.
17 ins in the ground for
1/4 cor marked 1/4 on

N. face. and raise a
mound of stone 3 1/2 ft base
1 1/2 ft high N. of cor. ^{3rd impracticable}

62

Canon Course N.E.

Ascend

80.00

Set a limestone 20x10x8 ins.
17 ins in the ground for
cor. of Secs. 29. 30. 31 and 32

Subdivisions T. 32 N. R. 4 W.

chains

Marked with 1 notch on S,
and 5 notches on E, faces
raise mound of stone
4 ft base 2 ft high N. of cor.
It is impracticable

Land mountainous

Soil rocky of $\frac{1}{2}$ rate

Timber scattering Cedar

Dense underbrush of chico

Sage, cholla and cedar 80.00 ch

S. 89° 50' West on a random line,
but secs. 30 and 31.

40.00 set temp. $\frac{1}{4}$ sec. cor.

78.78 Intersect N. bdy. at ^{23 ch S. of} the cor. of
secs 25-30-31. and 36. —

Thence I run

East on true line but, secs,
30 and 31

Over mountainous land

40 Subdivisions T32 N. R4W

champs	Through dense underbrush Ascend
3.50	Top of flat ridge bears N and S
7.00	Descend
27.50	Bottom of canon course N.E. Ascend
38.78	Set a limestone 18x8x6 ins 12 ins. in the ground for 1/4 sec. cor. marked 1/4 on N face and raise mound of stone 3 1/2 ft base 2 ft high N. of the cor Pits impracticable
45.00	Ridge bears N and S Descend
65.00	Bottom of canon course N.E. Ascend
78.78	The cor. of Secs. 29. 30. 31 and 32 Land mountainous Soil rocky & ^{the} haly

Subdivisions T. 37 N. R. 4 W.

chains

Timber scattering cedar
 Dense underbrush of chis
 brush and cedar 7878 chs.

Owing to the roughness
 of the land the line bet.
 Secs 29 and 30 cannot be
 surveyed
 Therefore -

From the cor. of Secs.
 19, 24-25 and 30 on the
 N. bdy of the Tps.
 I run

East on a true line bet.
 Secs. 19 and 30.

over mountainous land
 through dense undergrowth
 ascend

2-00 Ridge brass. N and S

Subdivisions T. 32 N. R. 4 W.
chains

Descend

32.00 Gulch course N. E.

ascend

38.60 Set a lime stone 20 x 10 x 4 ins.

15 ins. in the ground for

$\frac{1}{4}$ Sec. cor marked $\frac{1}{4}$ on

N face From which

A cedar 8 ins. in diam.

bears $52\frac{1}{2}^{\circ}$ ~~E~~N, 111 yds. dist.

marked $\frac{1}{4}$ S 30 B.T.

A cedar 8 ins. in diam.

bears N $19\frac{1}{4}$ W. 143 yds. dist.

marked $\frac{1}{4}$ S 19 B.T.

47.00 Descend

58.00 Conion course? N. E. and S. W.

Ascend

70.00 Ridge bears N. E. and S. W.

Descend

78.60 set a lime stone 18 x 12 x 10

ins. 12 ins in the ground

Subdivisions T32N. R4W

chains

for cor. Secs. 19-20-29 and 30
 marked with 2 notches on S.
 and 5 notches on E. edges
 raise mound of stone
 4 ft base 2 ft high
 N. of the cor.

Pits unpracticable
 Land mountainous
 Soil 3^d rate

Timber scattering cedar
 dense under brush of chico,
 buck and cedar 78.60 chs.

September 14th 1901

N 0° 3' W. bet Secs 19 and 20
 over rough ground
 through dense undergrowth
 ascend

21.00

Point of high ridge
 bears S. W.

Subdivisions T. 32 N. - R. 4 W.
 chains.

Descend

31.

 Bottom of cañon course N 60° E
 ascend

40.00

 Set a limestone 20 x 12 x 5 ins.
 15 ins. in the ground for $\frac{1}{4}$
 sec. cor. marked $\frac{1}{4}$ on W face
 from which

 A cedar 8 ins. in diam.
 bears S 86 $\frac{3}{4}$ ° E 105' 40, dist.
 marked $\frac{1}{4}$ S 20 B.T.

 A cedar 10 ins. in diam.
 bears N 82° W 99' 40, dist.
 marked $\frac{1}{4}$ S 19 B.T.

50.00

 Ridge bears E and W
 Descend along N.
 side of Gulch

80.00

 Set a lime stone 27 x 14 x 4 ins
 18 ins. in the ground for
 Cor. of Secs. 17-18-19 and 20
 Marked with 3. notches on S.

Subdivisions T32N. R4W,

Laws,

and 5 notches on E. edges
From which

A cedar 6 ins. in diam.
bears S 40 $\frac{1}{2}$ ° E. 143 lks. dist.

marked T32N. R4W. S 20-BT

A cedar 10 ins. in diam.
bears S 25° W 211 lks. dist.

marked T32N. R4W. S 19-B.T,
and raise mound of stone
4 ft base 2 ft high N of cor.

Pits impracticable

Land rough.

Soil 3^d rate

Timber scattering Cedar
Dense underbrush of chico
Sage and cedar 80⁰⁰ chs

Next on a random line,
but Secs 18. and 19

40⁰⁰ set trip 1/4 sec. cor.

Subdivisions T, 32 N, R, 4 W.

claims

78.72

Intersect N. bdy of the T/2
at the cor. of Secs. 13-18-19 and
24. Hence I run
East on a true line bet
Secs 18 and 19
over broken ground
through dense undergrowth

26-00

discovered

38.72

Set a lime stone $18 \times 12 \times 8$ ins.
12 ins in the ground for $\frac{1}{4}$
cor. marked $\frac{1}{4}$ on N face
From which

a cedar 8 ins. in diam.
bears N. $68\frac{1}{2}^{\circ}$ W. 175 lds. dist
marked $\frac{1}{4}$ S 18 B.T.

dig pits $18 \times 18 \times 12$ ins. E.
and N. of cor. and raise a
mound of earth $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high N of the cor.

Subdivisions T 32 N R 4 W

chains
48-

Gulch course N.W.

Ascend

54.

Ridge bears S.E. and N.W.

Descend

57.75

Gulch course N.W.

ascend

69.

Ridge bears N.E.S

Descend

78.72

The cor. of Secs 17-18-19 and 20

Land broken

Soil 3^d rate

Timber scattering cedar

Dense underbrush of chico.

brush and cedar 78, 72

N 0° 3' N bet Secs 17 and 18

over rough ground

Through dense undergrowth

Descend

5-00

Gulch course E

Subdivision T. 32 N.; R. 4 W.
chains

- ascend
15-50 Ridge bears N.E. and S.W.
Descend
23- Gulch course N.E.
ascend
36- Ridge bears E and W
Descend
39.00 Gulch course N.E.
ascend
40.00 set a line stone 74x10x6 ins
18 ins. in the ground for $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on W face
From which
A cedar 8 ins. in diam.
bears N73° E. 43 lks. dist.
marked $\frac{1}{4}$ S 17 B.T.
A cedar 18 ins. in diam.
bears S 36 $\frac{1}{4}$ ° W 120 lks. dist.
marked $\frac{1}{4}$ S 18 B.T.
42 Ridge bears N.E. and S.W.

Subdivisions T32 N - R4 W

chains

Descend

48.50 Gileh course N.E.

ascend

67.00 Redgr bears N.E. and S.W

Descend

80.00 set a limestone 20x8x6 ins

15 ins in the ground for cor.

of Secs 7-8-17 and 18

marked with 4 notches on S,
and 5 notches on E. edges
from whichA cedar 12 ins. in diam.
bears N75° E 134 yds. dist

Marked T32 N. R4 W. S8 B.T.

A cedar 8 ins. in diam.
bears S12¼ W. 147 yds. dist.

Marked T32 N. - R4 W. S18 B.T.

I raise mound of stone

3½ ft base 2 ft high N. of cor.

Sound mountainous

Subdivisions T 37 N. R 4 W

chains

Soil 4th rate

Inclus. Scattering cedar
dense underbrush of chico
bush and cedar 80.00 chs.

Rest on a random line,
but secs. 7 and 18

40.

sit temp 1/4 sec, cor.

78.35

Intermitt. bdy of the Sp.

at the cor. of secs 7-12-13
and 18. Thence I run

East on a true line but secs
7 and 18. -

over broken ground
through dense undergrowth
ascend.

60.50

Redyn bears S E and N W
Descend

13.00

Bottom of Canon course N.E.
Ascend

Subdivisions T 32 N. R 4 W

- chains
 16.50 Top of lens 6
 31.00 Descend
 33.00 Bottom of Canon course N
 ascend
 37. Trail bears N and S
 38.35 set a line stone 18x12x8 ins
 12 ins in the ground for $\frac{1}{4}$ cor.
 marked $\frac{1}{4}$ on N face
 From which
 A cedar 6 ins. in diam.
 bears $50^{\circ} \frac{3}{4}$ N, 10 lds. dist.
 marked $\frac{1}{4}$ S 18 B.T.
 A cedar 10 ins in diam
 bears N $13 \frac{1}{4}$ W 20 6 lds dist.
 marked $\frac{1}{4}$ S 7- B.T.
 45-00 Ridge slopes N
 56.00 Descend
 63.90 Bottom of canon course north
 ascend
 78 35 The corol sees 7-8-17 and 18

52

Subdivisions T. 37 N., R. 4 W.

chain.

Land rough and broken
 Soil rocky & the rate
 Timber scattering cedar
 Dense under brush of chico
 Sage and cedar. 78, 35' chs
 September 15th 1901

General Description
 This Township is mountainous
 and badly broken,
 Huapua and Catacaes
 Conchos, run through
 out the Township.

West boundary of 132 N. R. 4. W.

chains From cor of Yps. 31 and 32
N. R. 4 and 5 N.

Down N.

bet secs. 31 and 36

Ascend

14.30 Top of rocky rim bears E and N.

37.00 Descend

40.00 Set a lime stone 24 x 8 x 6 ins.
18 ins. in the ground for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ on
the W face

From which

A cedar 6 ins in diam.

bears N. $88\frac{1}{4}^{\circ}$ E. 54 lbs dist.

marked $\frac{1}{4}$ S 31 T. Y.

A cedar 6 ins in diam

bears S $49\frac{3}{4}^{\circ}$ N. 68 lbs dist

marked $\frac{1}{4}$ S 36 T. Y.

43.00 Ascend

46.50 Top of rim bears S, E. and N. W.

West boundary of T. 32. N. R. 4. N.

chains

61.00 Descend

The cap of rock 25, 30, 31 and 32

80.00 Set a round stone $24 \times 12 \times 3$ ins

8 ins in the ground to bed-
rock surrounded by a
mound of earth and stone
marked 5 notches on the
N. and 4 notches on the S.
edges

From which

A cedar 12 ins in diam

bears N. $2\frac{1}{2}^{\circ}$ E. 38 lbs dist

Marked T. 32 N. R. 4. N. Sec 30. 13. 7.

A cedar 12 ins in diam.

bears S $40\frac{1}{2}^{\circ}$ E. 88 lbs dist.

Marked T. 32 N. R. 4. N. Sec 31. 13. 7.

A cedar 12 ins in diam

bears S. 9° N. 104 lbs dist.

Marked T. 32. N. R. 5 N. Sec 34. 13. 7.

A cedar 12 ins in diam

West boundary of T. 32 N. R. 4 W.

chains bears N. $68\frac{3}{4}^{\circ}$ W. 128 lks dist.
 marked T. 32 N. R. 5 W. Sec. 26. 1871.
 land mountainous
 Soil 3rd rate
 Timber scattering
 Dense undergrowth of
 buck chigo sage and
 cedar brush. 80 chs.

North of Secs. 25 and 30

1600 Cañon course N. E.

Ascend

Ridge bears N. E. and S. W.

Descend

1775 Gulch course N. E.

Ascend

2000 Ridge bears N. E. and S. W.

2500 Descend

2600 Gulch course N. E.

West boundary of Y. 32. N. R. 4. W.

Chains Ascend

40.00

Set a lime Stone 18 X 10 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 in diam.
bears S $74 \frac{1}{4}^{\circ}$ E. 100 lbs dist.
Marked $\frac{1}{4}$ S 30. B.Y.

A cedar 5 ins. in diam.
bears N. 26° W. 10 lbs dist.
Marked $\frac{1}{4}$ S. 25 B.Y.

Ascend

September 8th 1909

41.50

Top of steep hill

64.50

Ridge bears N. E. S. W.

Descend

80.00

Set a Sand Stone 21 X 12 X 5 ins.
15 ins in the ground for
cor. of Secs. 19-24-25 and
30 marked 4 notches on

West boundary of 4.32 N. R. 2. W.

Chains the N. end 2 notches on
the S. edges. dig pits
18x18x12 ins in each sec.
and raise a mound of
earth 4 ft base 2 ft high
W. of cor.

From which.

A cedar 12 ins in diam.
bears S $41\frac{1}{2}^{\circ}$ E. 263 lbs dist.
marked. 4.32 N. R. 4 W. Sec. 30 B. 4.

A Cedar 12 ins in diam.
bears N. $10\frac{1}{2}^{\circ}$ W. 35 lbs dist
marked. 4.32 N. R. 5 W. S. 24 B. 4.
~~No others near~~
land rough and broken
Soil 3rd rate

Timber cedar

Dense underbrush of Chigo
hack and cedar 80 lbs

West boundary of T. 32. N. R. 2. W.

- | | |
|--------|---|
| chains | North bet. ¹⁰⁰ 19 and 24. |
| 1200 | Gulch course N.
Ascend |
| 3400 | Ridge bears E and W.
Ascend |
| 4000 | Set Sand Stone 20 x 12 x 8 ins
1 piece in the ground. In $\frac{1}{4}$
Sec. cor. marked $\frac{1}{4}$ on W.
face
From which
A cedar 8 ins in diam
bears N. 58° E. 141 lbs dist
Marked $\frac{1}{4}$ S 14 B. 7.
No. 2000 near
dry pits 18 x 18 x 12 ins
N. and S. of stone, 3 ft dist.
raise a mound of earth
3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high N.
of cor. |
| 4148 | Trail bears N. 20° E |
| 5400 | Gulch course N. 70° W. |

West boundary of T. 37. N. R. 24. W.

chains ascend

8000

Ridge bears. S.E. and N.W.

Set a lime stone 18 X 12 X 6 ins
12 ins in the ground for cor.
of Secs. 13-18-14 and 24

marked 3 notches on the
N. and S edges.

From which

A cedar 6 ins in diam.
bears. N. 72 W. 131 lbs dist
marked T 32 2 R. SW. S 13 B 5.

dig pits 18 X 18 X 12 ins in
each see raise a mound
of earth 4 ft base 2 ft
high W of cor.

land rough and broken
Soil 3rd rate

Timber cedar

Dense undergrowth of chips
hack and cedar 80 chs

West boundary of Y. 32 N. R. 4 W.

North bet. secs 13 and 18

3.00 Descend

12.00 Gulch course N. 20° W.

Thence along E. side of Gulch.

42.00 Set a lime stone 20x10x3 ins
15 ins in the ground for $\frac{1}{4}$ sec
cor marked $\frac{1}{4}$ on W. face

From Which

A cedar ^{8 ins in diam.} bears N. 27 $\frac{1}{2}$ ° E

241 lbs. dist

Marked $\frac{1}{4}$ S. 13 - 13.7.

A stone
surrounded by a mound
of Stone and earth

57.70 Trail bears N. E. and S. W.

52.00 Gulch course N. E.

Ascend

64.00 Ridge bears N. E. and S. W.

Descend

80.00 Set a lime stone 24x12x10 ins
18 ins in the ground for.

West boundary of T. 32. N. R. 4. W.

cor of Secs. 7-12-13 and 18.
marked 2 notches on
the N. and 4 notches
on the S edges

from which

A cedar 18 ins in diam
bears N. $26\frac{1}{4}^{\circ}$ E. 239 lbs dist
marked J. 32 N. R 4 W. S 7 BT.

A cedar 17 ins in diam
bears $1\frac{1}{4}^{\circ}$ E 48 lbs dist

marked J. 32 N R 4 W S 18 BT

A cedar 12 ins in diam.
bears S. 5° W. 190 lbs dist

marked J 32 N R 5 W. S 13 BT.

A cedar 10 ins in diam
bears N $57\frac{1}{2}^{\circ}$ W. 143 lbs dist

marked J 32 N R 5 W. S 12 BT.

round rough and broken
Soil 3rd rate

Timber Cedar

West boundary of T32 N. R. 4. W.

Dense undergrowth
of chigo buck and
cedar 80 chs.

September 9th 1901

Imprat. to continue line north.

General Description

This township is badly
cut up by the banks of cataraact
canon one branch of which, the
Hualapai Canon takes all of the
4th and 5th tiers of sections
The surface is very rocky.

There is cedar timber
on the entire fraction surveyed.

There is no water and
no settlers on the township

Francis Jacobs
Compassman

FINAL OATHS OF DEPUTY SURVEYORS
AND THEIR ASSISTANTS.

List of names.

A list of the names of the individuals employed by Francis B. Jacobs, U. S. deputy surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing field notes of the survey of Ts. 30, 31, 32, N. R. 3, 4, W. showing the respective capacities in which they acted.

William Leavidge Chainman.

And R. Ferguson Chainman.

Jay Sebach Moundman.

Mary Spaul Axman.

Kenneth Sellers Axman.

Jay Jacobs Flagman.

FINAL OATHS OF ASSISTANTS.

We hereby certify that we assisted Francis B. Jacobs, U. S. deputy surveyor, in surveying all those parts or portions of the Subdivisions of the ~~base and~~ Is 30-31-32-N.Rs. 3-4 W. G. and S.R. meridian, of, 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 U. S. Surveyor-General for Arizona

William H. Lockudg Chairman.

Fred R. Ferguson Chairman.

Jay Leitch Moundman.

Henry J. Deller Axman.

Henry Spaw ~~Chainman~~ Opeman

Gay Jacobs ~~Chainman~~ Flagman

Subscribed and sworn to before me this 14th day of September, 1901.

(SEAL.)
Francis Jacobs
 my commission Notary Public
Superior March 7th 1904

FINAL OATH OF U. S. DEPUTY SURVEYOR.

Francis B Jacobs *Compassman*
 U. S. deputy
 surveyor, do solemnly swear that in
 pursuance of instructions received
 from *George Christ* U. S. Surveyor-Gener-
 al for *Arizona* bearing date of the *29th*
 day of *June*, 1901, I have well, faith-
 fully and truly; in my own proper per-
 son, and in strict conformity with the
 instruction furnished by the U. S. Sur-
 veyor-General for *Arizona* the Manual
 of Surveying Instructions; and the
 laws of the United States, surveyed
 all those parts or portions of *T30.31 and*
~~of the~~ *32N. R. 3* and *4 N.*
 meridian in the *Territory* of *Arizona*
 which are represented in the foregoing
 field notes as having been surveyed by
 me and under my directions; and I do
 further solemnly swear that all the
 corners of said survey have been estab-
 lished and perpetuated in strict accor-
 dance with the Manual of Surveying In-
 structions and the special written in-
 structions of the U. S. Surveyor-General
 for *Arizona* in the specific manner de-
 scribed 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 3, 1846.

Francis B Jacobs *Compassman*
 U. S. Deputy Surveyor.

Subscribed and sworn to before me this
14 day of *Octo*, 1901. *W. C. Foster*
 (SEAL.)

Clerk Third Judicial
 District Court of Arizona.

A P P R O V A L .

OFFICE OF THE U.S. SURVEYOR GENERAL.

Phoenix, Arizona.

August 2-1902.

The foregoing field notes of the survey of West hdy. & Subdivisions
Sp 32 N. R. 4 N.
 executed by J. B. Jacobs, Compassman,
 under ~~his~~ Contract No. 71 - - dated June
13 , 1900. having been critically
 examined, and the necessary corrections
 and explanations made, they describe,
 are hereby approved.

Hugh H. Rice

U.S. Sur. Gen. for Arizona.