

Book No 1 of

BOOK 1108

Subdivisions

of

T. 31. N. R. 4 W.

BOOK 1108

No. 1108

4-671

FIELD NOTES
GENERAL LAND OFFICE.

No. 1108

1108

No. 1108 BOOK 1108
Subdivision of T 31 N R 4 W.

Field notes
of the survey of the
Subdivision
of
Township 31 North Range
No 4 West
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as surveyed by
Francis Jacobs Compassman
U.S. Deputy Surveyor
Under his contract No 71.
Dated June 13th 1901

Survey commenced August 21st 1901
Survey Completed September 7th 1901

BOOK 1108

Subdivision of T 31 N, R 4 W

Names and duties of Assistants

William H Lockridge Chairman

Fred A Ferguson Chairman

Jay Krebsch Moundman

Harry Spaw Axeman

Henry J Sellers Axeman

Jay Jacoby Flagman

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BOOK 1108

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Subdivision of T 31 N R 4 W

Survey commenced August 21st 1901 and executed with a Gullery light mountain Transit with Best Solar Attachment

I test the Transit on the meridian established August 17th at my camp in section 16 of this Township and find the adjustments practically correct

5

Subdivision of T31 N R 4 W

- Chains From the Cor of Secs 35 and 36 on the S. boundary of the Tp. established by me I run $N0^{\circ} 01' W.$ bet sees 35 and 36 Over rolling land through buck chies and cedar brush
- 30.00 High ridge E & W Secured
- 40.00 Set a line stone $18 \times 17 \times 6$ ins 17 ins in ground for $\frac{1}{4}$ sec Cor marked $\frac{1}{4}$ sec on W face. Dig pits $18 \times 18 \times 17$ ins, 3 ft N and S. of Cor and raise a mound of earth $3\frac{1}{2}$ ft. base, 2 ft high W of Cor
- 80.00 Set a line stone $22 \times 14 \times 8$ ins 17 ins in ground for Cor of Secs 25, 26, 35 and 36, marked 1 notch on S. and 1 notch on E edges. Dig pits $18 \times 18 \times 17$ ins in each sec $5\frac{1}{2}$ ft dist from cor and raise a mound of earth

BOOK 1108

Subdivision of T 31 N R 4 W.

Chains 3 1/2 ft base 2 ft high W of Cor
 have rolling and rocky
 soil loam and rocky 2nd
 and 4th rate
 Timber, scrub Cedar
 dense undergrowth of Cedar
 brush chips and sage brush
 80 chs

N. 89° 54' East on sandstone line bet
 Secs 25 and 36
 40.00 Set Temporary 1/4 Sec Cor
 79.78 Intersect N and S. line 21. lines N
 of the Cor of Secs 25, 30, 31 and 36
 Thence I run through dense
 underbrush N 89° 54' W on
 true line bet Secs 25
 and 36.
 39.89 Set a lime stone 18x10x6 ins.
 17 ins in ground for 1/4 Sec Cor

Subdivision of T. 31 N R 4 W.

Chains of Secs 25 and 36., marked $\frac{1}{4}$
on N face

Dig pits 18X18X17 ins 3 ft E
and W of Cor. and raise a
mound of Earth $3\frac{1}{2}$ ft. base,
2 ft high 5 ft north of Cor
Intersect Cor of Secs 25, 26
35, 36.

79.78

Land rolling and rocky
Soil loam and rocky
2nd and 4th rate
Timber, Cedar

Some undergrowth of
Chico brush cedar and
Sage brush

79.78 .ch

North of W bet Secs 25 and 26
over rolling rocky land
through brush, Chico, Cedar
and Sage brush

Subdivision of J. 31 N R 4 W.

Chains

40.00 Set a line stone $18 \times 12 \times 6$ ins
 17 ins in ground for $\frac{1}{4}$ sec cor
 of Secs 25. and 26. marked $\frac{1}{4}$ S
 26 on West face

Dig pits $18 \times 18 \times 12$ ins ^{N. and S.} of
 Cor 3 ft distant and raise a
 mound of Earth $3\frac{1}{2}$ ft base
 2 ft high west of corner

72.00 Road box East & West to Platinum Camp

80.00 Set a line stone $20 \times 12 \times 8$ ins
 14 ins in ground for Cor of
 23. 24. 25. and 26.

marked 2 Notch on S and 1
 notch on E edges

Dig pits $18 \times 18 \times 12$ ins in each
 sec $\frac{1}{2}$ ft distant from Cor
 and raise a mound of
 earth $3\frac{1}{2}$ ft base. 2 ft high
 west of Cor. Law Rolling

Subdivision of J. 31 N R 4 W.

Chains Soil loam 2nd rate
 Timber scattered scrub cedar
 Dense undergrowth of buck sage
 and chico brush. 80 chs

$S89^{\circ}54'E$ on random line
 bet sees 24 and 25

40.00 Set Temporary $\frac{1}{4}$ sec cor
 79.91 Intersected cor of sees 19, 24, 25 and
 30. Thence I run $N89^{\circ}54'W$ true
 bet sees 24 and 25. Over rolling
 land. Through buck chico and
 sage brush

39.955 Set a lime stone $18 \times 8 \times 6$ ins
 17 ins for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on E face
 Dig pits $18 \times 18 \times 17$ ins
 E and W of cor 3 ft distant
 and raise a mound of
 earth $3\frac{1}{2}$ ft base. 2 ft

Subdivision of T 31 N R 4 W,

chains high north of cor

79.91

The cor of Secs 23, 24, 25, and
26.

Land rolling

Soil loam, 2nd rate,

Timber, scattered scrub cedar

dense undergrowth of brush

chiefly ^{and} Sage brush

79.91

chas August 21st 1901

71.001. N bet Secs 23, 24

Over broken land

through buck, cedar, cedar

and Sage brush

4000 Set a line stone 20X10X6 ins

5 ins in ground for $\frac{1}{4}$ set

cor

marked $\frac{1}{4}$ on w. face

Subdivision of J. 31 N R 4 W.

chain Dig pits 18x18x12 ins N and
S. of Cor 3 ft distant and
raise a mound of Earth 3 1/2 ft
base, 2 ft high. W of Cor

8000 Set a line stone 18x10x8 ins
12 ins in ground for Cor of
Secs 13, 14, 23, and 24.

marked 3 notches on S, and
1 notch on E edges and
raise a mound of stone
3 ft base, 2 ft high W of
Cor

hard rough rocks & broken
soil rocks 4th rate

Timber scrub cedar

dense undergrowth

of buck. chie's cedar ^{and}

sage brush

80 lbs

Subdivision of J. 31 N R 4 W.

Chains S89⁵/₄E on random line bet
sees 13. 24,

40.00 Set temporary $\frac{1}{4}$ cor

Intersect cor of sees 13. 18

80.18

19 and 24. Thence I run
N89⁵/₄W on true bet sees 13
and 24

Over rocky broken land
through chics. brush

Cedar and Sage brush

Set a limestone 18X18X10 in

40.09

12 ins in ground for $\frac{1}{4}$
see cor

marked $\frac{1}{4}$ on N face and
raise a mound of

stone 3 ft base, 7 ft high
north of cor

80.18

Intersect cor of sees 13. 14
23 and 24.

Land rocky and broken

Subdivision of T. 31 N R 4 W.

Chains Soil rocky 4" rate
 Timber scattered scrub cedar
 Dense undergrowth of buck
 chies. Sage and cedar
 chs
 8018

N 0° 01' W bet sec 13rd & 14

Over Canyon break. Canyon
 parallels line 8 to 10 chs W
 Through buck, cedar chies
 and Sage brush

1000 Ridge slope W.

2980 Supai-Williams Trail box
 N W + A E

4000 Set a line Stone 24x16x10
 ins 18 ins in ground for
 1/4 sec cor

Mark 5/4 on W face
 N. and S
 Dig pits 18x18x12 ins of
 cor 3 ft dist. & raise a mound

Subdivision of J 31 N R 4 N

Chains of Earth, 3 1/2 ft base 2 ft high
W of Cor

61.00 Gulch, course west ascends

80.00 Set a line stone 18x10x6 ins
12 ins in ground for cor of
secs 11, 12, 13, and 14. Marked
4 notches on S. and 1 notch on
East Edges and raise a mound
of Stone 3 ft base, 2 ft high W.
of Cor Pits impracticable
land, rough and rocky
Soil rocky 4" rate
Lumber, scrub cedars
dense undergrowth of buck
cedar cholla chios and
Sage brush 80 chs

\$8954 E on random line
bet secs 12 and 13.

40.00 Set temporary 1/4 Cor

Subdivision of 231 N R 4 W

chains

80.46

12

Intersect E Bdy lines ^S of
Secs 7, 12, 13, 18 Thence I run
N 89° 59'
1 West on true line bet Secs
12 and 13

Over broken rocky land
Through dense growth of Bush
cholla, cholla Cida and sage
brush

16.00 Right bank of Cañon 30 ft
high

18.00 Twin Forks Cañon Course N

21.00 Left bank of Cañon 40 ft high

24.00 8 ch & 5 Twin Forks

40.23

Set a line stone 20x12x6 ins
1 1/2 ins in ground for 1/4 Sec Cor
Marked 1/4 on north
face

Set pits 18x18x12 E 1/4 N of
Co 3 ft dist and raise
a mound of earth 3 1/2

Subdivision of T. 31 N R 4 W

chains ft base 2 ft high N of Cor

80.46

Intersect Cor of Secs 11, 12, 13
and 14

lands rocky and broken

soil rocky 4th rate

Timber Scrub Cedar

Dense undergrowth of

buck Cedar, Chico and

Sage brush

80.46 ch

August 22nd 1901

N^o 01' W bet Secs 11 and 17

are Cañon breaks parallel
line 5 to 10 chs W.

Through Cedar buck, Chico
and Sage brush

77.37

Right bank of Cañon 200
ft high

28.00

Bottom of Cañon Course N

Subdivision of T 31 N R 4 W.

Chain 35° E

37.40 Left bank of Cañon

40.00 Set a lime stone 18X10X16
12 ins in ground for
see
1/4th Cor

Marked 1/4 S on W base
and raised a mound
of stone 3 ft base
2 ft high W of Cor
Pits impracticable
Cor is in bend of Cañon

42.50 Left rim of Cañon 250
ft high65.25 Left rim of Cañon 300 ft
high, course N.E.80 Set a lime stone
12 ins.
18X10X8 ins in ground
for Cor of Secs 1, 2, 11
and 12.

Marked 5 notches on

Subdivision of T. 31 N R. 4 W

Chains S. and 1 notch on E
edges and raise a mound
of stone 3 ft base 2 ft
high N of cor

Sits impracticable
from which

cedar 10 ins in diam
bears S 85° E 157 links dist
marked T. 31. N. R. 4. W. S. 12. B. T.

A Cedar 10 ins in diam
bears N 52 3/4° W. 248 links dist
marked T. 31. N. R. 4. W. S. 2. B. T.

Land mountainous
badly broken by canyons
Timber scrub cedar
Mountainous land and dense
undergrowth 80 chs

East on random line bet
Sec 1 and 12

Subdivision of T. 31 N. R. 4 W.

chains

8.36

Left rim of Twin Tapes Cañon
a branch of Cataract Cañon 1700 ft high

To determine the distance
across Cañon. I set a flag on the

E rim and lay a line for a base

$S 2^{\circ} 30' W$ 16.70 chs from S end of

base line bears $N 70^{\circ} 36' E$ the

flag on E rim of Cañon

The two points erected on the W

rim of Cañon from the flag on

E rim bears West and S. $70^{\circ} 36' E$

In the order of their measure-

ment. the angles as taken

all $92^{\circ} 30' 68^{\circ} 06' 19^{\circ} 24'$

which = 180.00

$$\frac{\sin 68^{\circ} 06'}{\sin 19^{\circ} 24'} \times 16.70 = \frac{92.78 \times 16.70}{3322} =$$

$$= 46.64 + 8.36 = 55.00 \text{ chs right}$$

rim of Cañon

80.34 Interest Cor of Sec 1. 6. 7

and 12 Thence I run over

Subdivision of T 31 N R 4 W.

chains mountainous land. West on town
line bet. Secs 1 and 14

9.00 Right rim of a branch of Cat
arad. Cañon 100 ft high
Course N

13.65 Left rim of Cañon

25.00 Right rim of Twin Jaws
Cañon Course N 1200 ft high
Set a lime stone 24 x 12 x 6 ins
in mound of stone 4 ft base

18 ins high for N.E. for
N.
1/4 Cor marked N.E. 1/4 on N

face and raise a
mound of stone 3 ft base
2 ft high N of cor

Pits impracticable

71.54 Left rim of Twin Jaws
Cañon 1200 ft high

80.34 Intersect cor of sec
1, 7, 11, and 14

Subdivision of T 31 N R 4 W

Chains have mountainous and
rocky

Soil rocky 4th rate

Timber scrub cedar

Mountainous land

80.³⁴ chs

N 0° 01' W bet sees 1^{and 2}

15.00 Left rim of Cataract Cañon

2000 ft high course N 8° 00' W

mountainous land 15 chs

August 23rd 1901

From the cor of sees 2, 3, 34

and 35 on S. Bdy of the 3rd 8 run

N 0° 01' W bet sees 34 and 35

Over rolling land through

bush. Cedar, Chico and sage

bush

40.00 Set a lime stone 70x10x6 ins

14 in in ground for 1/4 cor

Subdivision of T 31 N. R. 4 W

chains/ markers 'N on ^W face

Dig pits 18X18X12 ins N road
S. of Cor 3 ft dist and raise
a mound of earth 3 1/4 ft
base 2 ft high W of Cor

80.00 Set a lime stone 70X10
X6 ins. 18 ins in ground
for cor of Secs 26, 27, 34 and
35. marked 1 notch on S and

2 notches on E edges
^{in each sec.}
Dig pits 18X18X12 ins 5 ft dist

and raise a mound 3 1/2 ft
base 2 ft high west of Cor
Low Rolling and Rocky
Soil loam and rocky
2nd and 4th rate

Timber. Scrub Lidor
Heuse undergrowth of
buck chies and sage
brush. 80 ch

Subdivision of T. 31 N R. 4 W

- N. 89° 57' 1
 chains East on random line
 bet sec 26 and 35
- 40.00 Set temporary $\frac{1}{4}$ cor
- 50.62 Interest N and S. line
 28. runs S. of Sec 25, 26
 35, ~~36~~ and 36
- Thence S runs 89° 45' W
 on true line bet. Sec
 26 and 35
- over rolling land through
 brush, Chico. Cedar and
 Sage brush
- 29.00 Supai Williams Road
 bears N 5° W and South
- 40.21 Set a limestone 20 x 12
 x 8 ins. 12 ins in
 ground for $\frac{1}{4}$ Sec cor
 marked $\frac{1}{4}$ on North
 face

Subdivision of J. 31 N. R. 4 W

Chairs Dig pits 18X18X12 ins E²W
of Cor 3 ft dist and raise
a mound of Earth. 3 1/2 ft
base, 2 ft high N of Cor

80.42 Intersect Cor of Secs 26, 27
34, and 35

hard rolling and rocky
Soil loam 2nd and 4th
rate

Timber scrub Cedar

Dense undergrowth of buck
Chies and Sage brush

80.42 chs

N 0° 01' W bet Secs 26 and 27
over rolling land through
buck chies, Cedar and Sage
brush

40.00 Set a lime stone 22X14X8
ins 14 ins in ground for

Subdivision of J. 31 N. R. 4 E. 27

Chains $\frac{1}{4}$ Sec Cormarked $\frac{1}{4}$ on W face

dig pits 18x18x12 ins 3 ft
 N and S. of Cor and raise
 a mound of earth 3 $\frac{1}{2}$ ft
 base 2 ft high west of
 Cor

80.00 Set a lime stone 20x12x10
 ins 14 ins in ground for Cor
 of Secs 22, 23, 26, and 27

marked 2 notches on S. and
 2 notches on E edges and
 raise a mound of stone
 3 ft base, 2 ft high N of
 Cor from which

a cedar 10 ins in diam

bears N 70° E 38 links dist
 marked T. 31. N. R. 4. W. S. 23. BT.

a cedar 17 ins in diam

bears S 44° E 47 links dist
 marked T. 31. N. R. 4. W. S. 26. BT.

a cedar 5 ins in diam

Subdivision of J 31 N R 4 W

- Chains bears S $32\frac{1}{4}^{\circ}$ W 88 links
marked T.31.N.R.4.W.S 27 BT
A Cedar grows in draw
- bears N 40° W 37 links
marked T.31.N.R.4.W.S 22 BT,
Land rolling and rocky
Soil loam and rocky
2nd and 4th rate
Timber scrub cedar
dense undergrowth of bush
cedar, chies and sage brush
-
- 80 chs
- N $89^{\circ} 45' E$ on random line bet
Secs 23 and 26
- 40.00 Set Temporary $\frac{1}{4}$ sec Cor
- 80.02 Intersect N and S line 47 links
N of Cor of Secs 23, 24, 25 and 26
Thence I run N $89^{\circ} 57' W$ on
true line bet Secs 23 and 26
Descending
- 6.75 Road bears N and S,
- 19.00 Bottom of Twin Tausas Draw

Subdivision of T. 31 N. R. 4 W

Chains no banks course N

40.01 Set a sand stone $24 \times 12 \times 8$ ins
 18 ins in ground for $\frac{1}{2}$ sec cor
 marked N on ^{N.} face
 Dig pits $18 \times 18 \times 12$ ins E & W
 3 ft dist and raise a mound
 of earth $3\frac{1}{2}$ ft base, 2 ft high
 N of cor

41.90 Supai-Williams wagon road
 bears N and S

80.02 Intersect cor of Secs 22, 23, 26
 and 27

Land rolling and rocky
 soil loam and rocky 2nd and 4th rate
 Timber scrub cedar

Dense undergrowth of cedar
 buck. chies. and sagebrush

$80\frac{1}{2}$ lbs

N^o 01'W bet Secs 22 and 23

over rolling rocky land

through buck. cedar chies and sagebrush

Subdivision of T31 N R4 W

Chains

40.00

Set a lime stone $20 \times 10 \times 6$ ins
 $1\frac{1}{4}$ ins in ground for $\frac{1}{4}$ sec cor
 marked $\frac{1}{4}$ on W face
 Dig pits $18 \times 18 \times 12$ ins N and S
 of cor 3 ft dist and raise a
 mound of earth $3\frac{1}{2}$ ft base
 2 ft high N of cor

76.50

Supai-Williams Wagon Road
 bear N 20° W and S 10° E

80.00

Set a lime stone $20 \times 10 \times 8$ ins
 12 ins in ground for cor of
 Secs 14, 15, 22 and 23. Marked
 3 notches on south and 2
 notches on E edges and
 raise a mound of stone
 3 ft base 2 ft high N
 of cor

Pits impracticable,
 land rolling, broken
 and rocky

Subdivision of J. 31 N R 4 W

Chains Soil rocky 4th rate
 Timber scrub Cedar
 Dense undergrowth of
 Cedar, brush chips and
 sage brush

80 chs

August 24th 1901

$S 89^{\circ} 57' E$ on random line bet
 Secs 14 and 23.

40.00 Set Temporary $1/4$ Sec Co

80.32 Interest N and S line 12
 links S of Secs 13, 14, 23
 and 24. Thence

$S 89^{\circ} 58' W$ on true line bet
 Secs 14 and 23.

Descending

37.00 Bottom of Twin Falls Draw

No banks course 21

Ascending

40.16

Set a lime stone $22 \times 10 \times 8$

Subdivision of T. 31 N R. 4 W.

Chains ins 15 ins in ground for $\frac{1}{4}$

See Cor

marked $\frac{1}{4}$ on north face
from which

a Cedar 12 ins in diam

bears S $34\frac{1}{2}^{\circ}$ W 121 links
marked T. 31, N. R. 4 W 523 BT.

a Cedar 12 ins in diam

bears N $50\frac{1}{2}^{\circ}$ W 252 links
marked T. 31, N. R. 4 W. S 14 BT

42.00 Top of Cañon breaks

Ascending

80.32 The Cor of Secs 14, 15

22 and 23.

Land broken and rocky

Soil loam and rocky

2nd and 4th rate

Timber scrub Cedar

Dense undergrowth of

buck, Cedar, chico and

Sage brush

80.32 Ch

Subdivision of T31 N R 4 W

- chains N 0° 01' W bet sees 14 and 15
Over breaks to Twin Tanks
Canyon Drainage E
Throng buck chies Cedar
and sage brush
- 40.00 Set a lime stone 20x10x6, ^{ins.} 14
ins in Ground for 1/4 sec
marked 1/4 on N. face.
Cor face and raise a
mound of stone 3 ft base
2 ft high N of cor
Sets impracticable
- 47.00 Supai-Williams road bears
N 40° W + S E
- 80.00 Set a sand stone 20x20x
8 ins 17 ins in ground
for cor of sees 10, 11, 14
and 15
marked ^{with} 4 notches on
N, and 2 notches on E
edges and raise a

Subdivision of T. 31 N R. 4 W

chain mound of. Stone 3
 ft base, 7 ft high W of Cor
 Pits impracticable
 Low rough rocky and broken
 Soil loam and rocky 2nd
 and 4" rate
 Timber Scrub Cedar
 Dense undergrowth of buck
 chies. Cedar and sage brush
 80 ch

N 89° 58' E on random line bet
 Secs 11 and 14

40.00 Set Temporary 1/4 Sec Cor
 80.30 Interest Cor of Secs 11, 12, 13
 and 14. Hence
 Run S 89° 58' W on True line
 bet Secs 11 and 14

2.30 Gulch course N W

16.30 Ridge bears S. E. and N W

Subdivision of J. 31 NR 4 W

Descend steep hill

24.30 Gulch course N. 20° E

31.30 Ridge slopes S E

36.30 Same Gulch slopes S E

40.15 Ridge slopes N W

Set a lime stone 18X8X6 in

17 in in ground for 1/4 sec Cor

marked 1/4 on N face

Dig pits 18X18X17 E and W

of Cor 3 ft dist and raise

a mound of earth 3 1/2 ft base

2 ft high N of Cor

45.30 Gulch and Road course

N. E.

ascend

64.30 Ridge slopes S E

80.30 Cor of Secs 10, 11, 12 and 15

land rocky and broken

soil rocky 4th plate

Subdivision of T. 31. N R 4 W

Chains Timber scrub cedar
 Dense undergrowth of
 chico buck and cedar
 80.30 chs
 August 25th 1901

N^o 01' N bet secs 10 and 11

Over rolling land.

Through buck, chico
 and sage brush

11.85 Supai-Williams Wagon
 Road bears N.E. and
 S.W.

21.90 Supai-Williams Wagon
 Road bears N.W. and S.E.

25.85 Same Road bears N

39.90 " " N 15° W

40.00 Set a lime stone 20x10x6 ins
 14 ins in ground for 1/4 Sec Cor

Subdivision of T. 31 N. R. 4 W.

chains

marks $5\frac{1}{4}$ on W face
 Dig pits $18 \times 18 \times 12$ ins N and
 S. 5 ft dist and raise a
 mound of earth $3\frac{1}{2}$ ft base
 2 ft high N of cor from which
 a cedar 16 ins in diam

bears N 68° E 202 links
 marked T. 31, N. R. 4 W. S 11 BT.

a cedar 12 ins in diam

bears N 150° W 130 links
 marked T. 31, N. R. 4 W. S 10 BT.

80.00 Set a line stone $20 \times 10 \times 8$ ins

14 ins in ground for cor of Secs 2, 3.

10 and 11. Marked with 5 notches

on S. and 2 notches E edges

Dig pits $18 \times 18 \times 12$ ins in each

See $5\frac{1}{2}$ ft dist and raise

a mound of earth $3\frac{1}{2}$ ft

base, 2 ft high N of

cor

Land rolling

Soil loam 2nd rate

Subdivision of T. 31 N. R. 4 W

chains Timber Scrub Cedar
Dense undergrowth of
buck. chics and sage
brush. 80 chs

N 89° 58' E on a random line
bet Secs 2 and 11.

40.00 Set temporary 1/4 Sec Cor

80.22 Intersect N and S. line at the
Cor of Secs 1, 7, 11 and 17. Thence S
near S. 89° 58' N on a true line
bet Secs 2 and 11.

over breaks to Cataract Cañon
Drainage N

8.22 ascend

16.72 Guelsh course N

1964 Ridge bears N ^{and S}

2722 Guelsh course N 25° W

3422 Ridge bears S.E and NW

40.11 Set a lime stone 22 x 12 x 6 ins

Subdivision of J. 31 N R 4 W

Chains 12 ins in the ground for $\frac{1}{4}$ Sec Cor
 Marked $\frac{1}{4}$ on N face from which
 a Cedar 14 ins in diam
 bears S $16\frac{1}{2}^{\circ}$ W 54 links
 Marked T. 31. N. R 4 W. S 11 BT.
 a Cedar 10 ins in diam
 bears N $75\frac{1}{2}^{\circ}$ W 64 links
 Marked T. 31. N. R 4 W. S 2. BT.

80.22 The Cor of Secs 7, 3, 10, and

11

Land rough, rocky & broken
 Soil rocky 4th rate
 Timber Scrub Cedar
 Mountainous land 80 rods

N 0° 1' W on a true line
 bet Secs 7 and 3

40.00 Set temporary $\frac{1}{4}$ Sec Co.

80.00 Intersect N bdy of the 2nd of the
 Cor of Secs 7, 3, 34 and 35 Thence
 I run S. 0° 01' E on a true line
 bet Secs 7 and 3.

Subdivision of J. 31 N R 4 W

Chairs on breaks of Cataract Cañon
through buck chiss, Sage Bush

78.00 Left bank of Cañon 30 ft
high Course N. 10° E.

40.00 Right bank of Cañon 40 ft
high

Set a lime stone 20 x 10 x
6 ins 12 ins in ground
for 1/4 sec cor

Marked 1/4 on W face
Dig pits 18 x 18 x 12 ins N and S. of
Cor 3 ft dist and raise a mound
of stone 3 ft base 2 ft high
N of Cor. Pits impracticable
from which

a Cedar 12 ins in diam
bears S 27° W 24 lines
marked T. 31. N. R. 4 W. S 3 BT.

63.00 ascended

65.00 Top of mesa bears E and W

80.00 The Cor of Secs 7, 3, 10 and 11

Subdivision of T 31 N R 4 W.

Chains Saw broken and rocky
 Soil loam and rocky 2nd
 and 4" rate
 Timber Scrub Cedar
 Mountainous land and dense
 undergrowth 80 chs

August 26th 1901

August 30th - At 8th - a.m., l.m.t
 I set off 36° - on the lat arc:
 9° 08' N on the decl. arc; and
 determine a true meridian
 with the solar at the cor of
 Secs 3, 4, 33, and 34 on the
 S bdy of the T^{p.}, which is
 a limestone ins
 above ground properly
 marked and witnessed

Subdivision of T. 31 N R 4 W

- Chains From the Cor of Secs 3, 4, 33
and 34 on the S bdy of the Tp
N^o 02' N bet Secs 33, and 34
Over rolling land through
buck, Chies and Sage brush
- 40.00 Set a limestone 24x12x6 ins
18 ins in the ground for a $\frac{1}{4}$
Sec Cor. Marked $\frac{1}{4}$ on N face
Dig pits 18x18x12 ins 3 ft N and
S Stone and raise a mound
of earth 3 $\frac{1}{2}$ ft base 2 ft high
W of Cor
- 80.00 Set a limestone 30x12x4 ins
20 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. Dig pits ^{18x18x12} in
each Sec 5 $\frac{1}{2}$ ft dist and raise
a mound of earth and Stone
4 ft base 2 $\frac{1}{2}$ ft high W of Cor

Subdivision of T 31 N R 4 W

Chains Saw Rolling

Soil loam 2nd class

Timber Scrub Cedar

Dense undergrowth of brush

Chico and Sage brush, 80 chs

N 89° 57'

East on random line bet

Secs 27 and 34

40.00 Set Temporary 1/4 Sec Cox

79.94 Intersect N and S line ⁹ to lines

S of Cor of Secs 26, 27, 34 and 35

Thence S run 589° 53' W on

a True line bet Secs 27 ^{and}

34

27.85

Seligman - Supai Wagon

Road bears N 10° E and S. 8°

W

39.97

Set a limestone 20x10x6 in

pins in the ground for 1/4

Sec Cor marked 1/4 on N face

Subdivision of J. 31 N R 4 W

Chains Dig pits 18x18x12 ins E ^{3ft} W₂ dist
and raise a mound of Earth

3 1/2 ft base, 2 ft high N of Cor

7994 The Cor of Secs 27, 28, 33, and 34
Land rolling

Soil loam 2nd rate

Dense undergrowth of
buck, chico, Sage brush
and cedar. 7994 chs.

N^o 02' W bet Secs 27 and 28

Over rolling land through
buck, chico, Sage and cedar

3.00 Descend rocky rim bet ~~SE~~ E^W NW

9.00 ascend

17.00 Top of rocky rim bet N.E. ^{and} SW

27.00 Descend

31.00 Bottom of ridge

40.00 Set a limestone 22x10x6 ins
15 ins in the ground for 1/4 Sec 27

Subdivision of T. 31 N R 4 W

West

Chains marked 1/4 on face
 Dig pits 18X18X12 ins N and S
 3 ft dist and raise a mound
 of earth, 3 1/2 ft base, 2 ft
 high west of Cor

80.00 Set a limestone 20X10X8
 ins 15 ins in the ground for
 Cor of Secs 21, 22, 27 and 28
 mark 2 notches on S, and
 3 notches on E edges
 Dig pits 18X18X12 ins in each
 Sec 5 1/2 ft dist and raise
 a mound of earth 3 1/2 ft base
 2 ft high West of Cor
 Land, rolling
 Soil loam and rocky
 2nd and 4th rate
 Timber Spruce Cedar
 dense undergrowth of buck
 chie and Sage brush. 80 chs

Subdivision of S 31 N R 14 W

- Chains N 89° 53' E on a random line bet
Secs 22 and 27
- 40.00 Set temporary 1/4 Sec Cor
- 79.58 Intersect N and S line 18 links
S of Cor of Secs 22, 23, 26, and 27
Thence I run S 89.45° W
on a true line bet Secs
22 and 27
Over rolling land through
buck, shico, cedar and
sage brush
- 5.30 Deligman - Supai Wagon
Road bears N 28° E and S
28° W
Court H.
- 78.00 Bottom of flat draw, no banks
- 3979 Set a limestone 20x12x8 - ins
15 ins in the ground for 1/4 Sec Cor
Marked 1/4 Sec N face
from which
a Cedar 14 ins in diam

Subdivision of T. 31 N. R. 4 W

Chains bears S $8\frac{1}{2}^{\circ}$ E 242 links
 marked T. 31. N. R. 4. W. S. 27. B. T.
 a Cedar 16 ins in diam
 bears N 15° W 135 links
 marked T. 31. N. R. 4. W. S. 22. B. T.
 ascending steep pitch
 80 ft high

44.00 Top of ascent

46.00 Descending

79.58 The Cor of Secs 21, 22,
 27, and 28.

Land rolling and rocky
 soil, loam and rocky
 2nd and 4th rate

Timber Scrub Cedar
 Dense undergrowth of
 buck, cedar and sage
 brush 7958 chs

N $0^{\circ} 02'$ W bet sec 21 and 22
 over rolling land through

Subdivision of T 31 N R 4 W

- Chairs buck, chis., Pikes and
Sage brush
- 13.00 Wash. course N W
- 20.00 Ascend
- 38.00 Ridge bears S.E. and N.W.
- 40.00 Set a limestone $20 \times 10 \times 6$
ins 15 ins in the ground for
 $\frac{1}{4}$ Sec Cor. Marked $\frac{1}{4}$ on W face
Dig pits $18 \times 18 \times 12$ ins $3\frac{1}{2}$ ft N and
S of Cor and raise a mound
of earth $3\frac{1}{2}$ ft base, 2 ft high
W of Cor
- 80.00 Set a limestone $24 \times 10 \times 4$ ins
18 ins in the ground for Cor
of Secs 15, 16, 21, 27. Marked
with 3 notches on S and
E edges
Dig pits in each Sec $18 \times 18 \times 12$ ins
 $5\frac{1}{2}$ ft dist and raise a
mound of earth $3\frac{1}{2}$ ft

Subdivision of T 31. N R 4 W

chain base, 2 ft high N of Cor
 Land rolling and rocky
 soil loam and rocky 2nd
 and 4" rate

Timber scrub Cedar
 Dense undergrowth of
 buck Chico and Cedar
 80. chs

August 30th 1901

N 89° 45' E on a random line
 bet Secs 15 and 22

40.00 Set Temporary 1/4 Sec Co

79.60 Interest N and S line 8 links

N of Cor of Secs 14, 15, 22 and 23

589° 48' W
 Thence S run, on a true line
 bet Secs 15 and 22 through dense
 undergrowth

ascend

1.60 Road bears N and S

19.60 Ridge bnd N E and N W

Subdivision of T. 31 N R. 4 W

Chains

27.60

Top of rocky rim slopes N W

39.80

Set a sandstone 20X10X8 ins
 15 ins in the ground for 1/4 Sec
 Cor marked 1/4 on N. face
 Dig pits 18X18X12 ins 3 ft E and
 W of Cor and raise a mound
 of earth 3 1/2 ft base, 7 ft
 high N of Cor

58.00

Right bank of Cañon 50
 ft high

61.60

Bottom of Cañon
 Pine Springs - Supai Wagon
 Road
 Cañon course N 50° W
 Road bears N 50° W and
 S 50° E

66.00

Left bank of Cañon 40 ft
 high

Subdivision of T. 31 N R 4 W

Chains

79.60 The Cor of Sees 15, 16, 21 and
22

Land rolling broken
and rocky

Soil, loam and rocky 2nd
and 4th rate

Timber Scrub Cedar

Dense undergrowth of
buck, chies, Cedar and
Sage brush

7960 chs

N 0° 02' W bet sees 15 and
16.

Over broken land through
buck chies, Sage and Cedar
brush

16.30 Pine Springs - Supai Wagon
Road bears E and W

Subdivision of T. 31 N., R. 4 W.

- Chains of canon
- 19.00 Top of right bank \wedge 40 ft high
- 40.00 Set a limestone 20x10x8
ins 15 ins in the ground for
1/4 Sec Cor \searrow
marked 1/4 on face
from which
a cedar 6 ins in diam
bears S 25 1/2 E 137 links
marked T. 31 N. R. 4 W. S. 15 BT.
A cedar 8 ins in diam
bears N 19 1/2 W 187 links
marked T. 31 N. R. 4 W. S. 16 BT.
- 51.75 Trail bears N 70° E. S. 20 W
- 56.50 Top of rim bears E and W
- 68.50 Descend rocky rim,
bears N. E. Y S W
- 80.00 Set a limestone 24x17x10
18 ins in the ground for Cor
of Secs 9, 10, 15, and 16
Marked with 4 notches on S

Subdivisions of T. 31. N. R. 4. W.

chains and 3 welds on E edge

From which

a Cedar 10 ins in diam

beam $N 51 \frac{3}{4} E$ 36 links
marked T. 31. N. R. 4 W. S 10 BT.

a Cedar 10 ins in diam

beam $S 35 \frac{3}{4} W$ 26 links
marked T. 31. N. R. 4 W. S 10 BT.

a Cedar 10 ins in diam

beam $N 58 \frac{1}{2} W$ 765 links
marked T. 31. N. R. 4 W. S. 9. BT
*20.00 lbs tree near
hand broken and rocky*

Soil rocky 4th rate

Timber Scrub Cedar
dense undergrowth of
black Chico Cedar and
sage brush 80 lbs

$N 89^{\circ} 48' E$ on random line
bet Secs 10 and 15

40.00 Set Temporary $\frac{1}{4}$ Sec Co

79.80 Interest N and S line 40 links

N of Cor of Secs 10, 11, 14, and 15

Subdivision of T. 31 N R. 4 W

Chains	Thence I run $N 89^{\circ} 55'$ W on a true line but bears 10 and 15 through dense underbrush
16.60	Road bears N and S
19.80	Ascend
23.80	Top of run bears $S 70^{\circ} E$ $N 70 W$ Descend
29.80	Gulch course N 20 W
36.80	Ridge faces N
42.50	Gulch, trail course N
47.00	Ridge bears N and S
61.30	Gulch course N
67.80	Ridge bears N and S Descend
75.80	Gulch course N
75.70	ascend
39.90	Set a limestone $30 \times 19 \times 5$ ins 21 ins in the ground for a $\frac{1}{4}$ See cor marks $\frac{1}{4}$ on N face From which

mount at arrow

Subdivision of J. 31 N R 4 W

Chains a Cedar 8 ins in diam
 bears N 78 1/2 E 244 links
 marked T. 31. N. R 4 W. S. 10. BT.
 a Cedar 10 ins in diam
 bears S. 64 1/2 E 114 links
 marked T. 31. N. R 4 W. S 15 BT.
 79.80 The Cor of Secs 9, 10, 15 and
 16.
 Land broken + rocky
 Soil rocky + pate
 Timber, scrub Cedar
 Dense Undergrowth of
 buck chieo Cedar and
 Sage brush 79.80 chs

N 0° or W bet Secs 9 and 10
 Over broken land through
 buck chieo Cedar and
 Sage brush

12.00 Descend
 26.40 Gulch course W
 26.90 Trail bears E and W

Subdivision of T 31 N R 4 W

Chains

- 30.00 Top of ridge bears N + S
- 40.00 Set a limestone 20x16x6 ins
5 ins in the ground for 1/4
See Cor marked 5 1/4 on W
face
From which
a Cedar 6 ins in diam
bears S 72 1/2 E 248 links
marked T. 31. N. R 4 W. S 10. BT.
a Cedar 6 ins in diam
bears N 75 1/2 W 46 links
marked T. 31. N. R 4 W. S 9. BT.
- 46.00 ascends
- 58.00 Top of Knoll 200ft above 1/4
Cor
Descends
- 73.50 Cañon Course N and W
ascends
- 80.00 Set a limestone 18x12x8 ins
17 ins in the ground for
Cor of Secs 3, 4, 9, and 10
marked with 5 notches on

Subdivision of T. 31 N. R. 4 W

claims saw 3 notches on E edges
and raise a mound of stone
3 ft base, 2 ft high W of Cor
Pits impracticable
Land broken rough and
rocky

Soil rocky 3rd and 4th rate
Timber scrub Cedar
Scrub undergrowth and
mountainous land

80 chs

August 31st 1901

S 89° 55' E on a random line
bet Secs 3 and 10

40.00 Set temporary 1/4 sec Cor

80.00 Intersect N and S line 12 links

S of Cor of Secs 2, 3, 10 and 11

Hence I run ^{west} on a true line
bet Secs 3 and 10

Over broken rocky land

Subdivision of T. 31 N. R. 4 W

- Chains Through buck, Cedar Chies
and sage brush
- 5.00 Descent
- 11.30 Trail bears NE and SW
Ascent
- 13.00 Road bears N.E. and SW
- 16.20 Trail bears N and S
- 24.00 Ridge bears NE and SW
- 27.00 Descent
- 36.00 Trail bears N 70° E
- 40.00 A block of limestone 22x10x8 ins
15 in the ground for 1/4 Sec Cor
marks 1/4 on N face
Dig pits 18x18x14 ins 3 ft E and N
of Cor and raise a mound
of earth 3 1/2 ft base, 2 ft high
N of Cor
- 42.50 Indian Trail bears N and S
- 80.00 The Cor of Secs 3, 4, 9 and 10
hard rolling and rocky

Subdivision of 8.71 N.R. 4 W

Chico soil loam and rocky 2nd
and 4th rate

Timber, Scrub Cedar,
Dense undergrowth of
buck, Chico Cedar and Sage
brush, 80 ch

No 02 W on a random line
bet Secs 3 and 4

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

80.02 Intersect N bdy of 3p ¹⁸ ~~20~~ lines
W of Cor 3, 4, 33 and 34. Thence
I run S⁰⁰06 W on a true line bet
Secs 3 and 4, along break of
Hualapai Cañon, through
Cedar, buck, Chico and Sage
brush

40.02 Set a limestone 18x8x6 in
17 in in the ground for $\frac{1}{4}$ Sec Cor
marks $\frac{1}{4}$ on W face

Subdivision of J 31 N R 4 W

Chains Dig pits 18X18X17 ins 3 ft N and
S of of Cor and raise a mound
of Earth 3 1/2 ft base. 7 ft high
W of Cor

80.02 The Cor of secs 3, 4, 9 and 10
Land badly broken and rocky.
Soil rocky. 2nd rate
mountainous land and
dense undergrowth

8002 chs

September 1st 1901

From the cor of secs
32 and 33 on S bdy of Tp
I run No⁰² W bet 32 and 33
over rolling land through
buck. ches. cedar and
sage brush

7.00

Ascend

22.00

Ridge beam E and W

25.00

Descend

Subdivision of T31. N R 4 W

- Chains Gulch. course W across
- 40.00 Set a limestone $18 \times 6 \times 4$ ins
 17 ins in the ground for $\frac{1}{4}$ Sec Co
 mark $5\frac{1}{4}$ on W face
 Dig pits $18 \times 18 \times 12$ ins N and
 S of Co 3 ft dist and raise
 a mound of earth $3\frac{1}{2}$ ft
 base, 2 ft high W of Co
- 80.00 Set a limestone $18 \times 12 \times 8$ ins
 12 ins in the ground for Co
 of Secs 28, 29, 32 and 33
 marked ^{with} 1 notch on S and
 4 notches on E edge
 Dig pits $18 \times 18 \times 17$ ins in each
 sec $5\frac{1}{2}$ ft dist from Co and
 raise a mound of earth $3\frac{1}{2}$ ft
 base, 2 ft high W of Co
- Land selling
- Soil loam and rocky 2nd and 4th rate
 Never undergrowth of brush like cholla and
 Sage brush. 80 cks