

No-231

BOOK 231

Field Notes
of the
Survey of the
Subdivision lines of
Twp 16 N R 7 E
of the
Gila and Salt River
Base and Meridian
of the
Territory of Arizona
as surveyed by
James B Girard
and
Park W. K. Atkinson
U.S. Deputy Surveyors
under their contract
No 101. Dated June 30, 1852

Survey commenced Oct 20th 1852

Survey completed - Nov 4th 1852

1A

Names and Duties of assist-
ants

C. J. Fritsche Chairman

F. R. Bette Chairman

J. B. Milmore Atman

J. W. Hanson Flyman

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TIGRUE

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1. C Subdivisions of Tp 16 N R 7 E
Chains

Oct 20th 1902 at 8 a.m. l.m.t

I set off $34^{\circ}44'$ on the lat arc and
 $10^{\circ}07.5'$ on the decl. arc and

determine a true meridian with

the solar at the cor of secs 35 and

Magnetic Declination $12^{\circ}40'E$

36 on the 5th day of the Tp. Thence

I run $N00^{\circ}01'W$ on a true line but

secs 35 and 36 over rolling mount-

-ainous country -

8.35 - Cross dry wash 53 lbs wide, course
N.W. and ascend

31.00 Top Malpais ridge hrs N.W.

33.00 Cross draw slopes W.

38.00 Top Malpais ridge hrs W.

40.00 Set a Malpais stone 24 x 12 x 6 ins

18 ins in the ground for $\frac{1}{4}$ sec cor

marked $\frac{1}{4}$ on W face - Marker:

an oak 10 ins in diam hrs $S85^{\circ}W$:

139 lbs dist: marked $\frac{1}{4}$ 530735.

a juniper 16 ins in diam hrs

Gard & B. Meridian Arizona. 2.
Chains

80.00

N 38° E: 10 lbs dist: wad $\frac{1}{4}$ 536 B.T.

set a molpai stone 20 x 12 x 8 ins 10
ins in the ground for ev gues 25, 26, 30
and 36 wad with notch on the 5
and 1 notch on the 2 edges. Whence:

a juniper 24 ins in diam bro N 67° E:

310 lbs dist: wad T 16 N 57 E S 20 B.T.

a juniper 12 ins in diam bro N 49° W:

251 lbs dist: wad. T 16 N 57 E S 26 B.T.

There being no other bearing trees
in limits I raise a mound of
stone 2 ft base $\frac{1}{2}$ ft high W of
ev. Pit impracticable.

Land, mountainous.

Soil, gravelly 3rd rate.

Timber, pine and juniper.

Land rolling mountains 8000 lbs.

East on a random line bet
sec 25th and 36.

3 Subdivision of Tp 16 N Rg 7 E:

Chains

40.00

Set Tings $\frac{1}{4}$ sec cor-

79.54

entered E. side of Tp 35 Ehs N of the
 on E. side of Tp.
 cor of secs 25 and 36. There I run

N 89° 45' W for a true line bet secs
 25 and 36 over rolling country -

37.77

set a malpais stone 20.110.26 ins 15
 ins in the ground for $\frac{1}{4}$ sec cor. Wood
 $\frac{1}{4}$ m N face - At Stone:

a juniper 21 ins in diam hrs N 79° 2:

80. lbs dist: wood $\frac{1}{4}$ 520 B.T.

a juniper 18 ins in diam hrs S 13° W:

86. lbs dist: wood $\frac{1}{4}$ 536 B.T.

43.34

Top of ridge hrs N.W. and descend

79.54

cor of secs 25; 26, 35 and 36 -

Land rolling -

Soil, rocky 4th rate -

Timber scattering junipers and pine

Rolling country 79.54 chains -

N 00° 01' W bet secs 25 and 26 over

Grand A. P. Medicine Springs
 Chains.

rocky rolling country.

11.50

Top of Malpais ridge -

21.75-

cross dry wash 40 lbs wide course

N.W.

31.00

Top of ridge N.W.

38.20

cross ravine 20 lbs wide course N.W.

40.50

Set a malpais stone 24 x 12 x 8 ins 18
 ins in the ground for $\frac{1}{4}$ sec. cor.

rod $\frac{1}{4}$ on W face - N. true:

a juniper 10 ins in diam N 53° E:

278 lbs dist: rod $\frac{1}{4}$ S 25° T.

a juniper 24 ins in diam N 59° W:

310 lbs dist: rod $\frac{1}{4}$ S 26° T.

62.00

Top of ridge N.W.

73.40

cross dry wash course N.W. 20 lbs wide

75.50

Top of ridge N.E. and W.

80.00

Set a malpais stone 28 x 12 x 8 ins
 21 ins in the ground for eng. recs

23, 24, 25 and 26 rods with 2

notches on 5 and 1 notch on 2

5th Subdivision of Twp 16 N R 7 E:
Chains

edges. Whence:

a cedar 56 ins in diam brs N 15° E.

185 lks dist: mhd T 16 N R 7 E S 24 B.T.

a juniper 18 ins in diam brs S 16° E:

138 lks dist: mhd T 16 N R 7 E S 25 B.T.

a juniper 28 ins in diam brs S 36°

W: 316 lks dist: mhd T 16 N R 7 E S 26 B.T.

a juniper 12 ins in diam brs N 65° 40' W:

177 lks dist: mhd T 16 N R 7 E S 23 B.T.

Land, rolling -

Soil rocky 4th rate -

Timber, scattering cedar and juniper

Rolling rocky country 50.00 lks -

A 87° 45' E in a random line set

secs 24 and 20.

40.00

Set temp 1/4 sec cor.

79.73

Full 30 lks of the eng pass 24 and
25 on the E edge of Twp. Thence

I run N 77° 58' W in a true line

7 and S. R. Meridian Ariz.
 Chains

Set sec 24 and 25 up gentle
slope -

27.00 Top of ridge and descend.

35.865 Set a molpais stone 28 X 18 X 8 ins 21
ins in the ground for $\frac{1}{4}$ sec cor
rod $\frac{1}{4}$ on the W face. Whence:
a juniper 24 ins in diam to N
 $68^{\circ}07'E$: 153 lbs dist: rod $\frac{1}{4}$ 524 B.T.
a pine 20 in in diam to S $21^{\circ}20'E$:
130 lbs dist: rod $\frac{1}{4}$ 525 B.T.

52.00 cross ravine 20 ft wide course S.W.

76.00 Descend molpais ridge.

75.73 Cor of sec 23, 24, 25 and 26.

Rand, rolling.

Soil, rocky 4th rate.

Trunks, scattering pines and juniper

Rolling country covered with

scattering pines and juniper 79.73 lbs

Oct 20th 1902

7 Subdivision of Tp 16 N R 7 E:
Chains

Oct 21st 1902 at 8 a.m. l.m.t.
I set off $34^{\circ}46'$ on the lat arc
and $10^{\circ}24'30''$ on the decl. arc and
determine with the solar the
true meridian at the cor. of
secs 23, 24, 25 and 26. Thence I
run $200^{\circ}01'W$ bet secs 23 and
24 over rough, rolling and
rocky mesa through scattering
pine, cedar and juniper timber
1.75 over dry wash 20 lbs wide course W.
8.00 Top of Malpais ridge and descend.
38.00 Top of ridge bet E and W.
40.00 Set a malpais stone $20 \times 8 \times 6$ ins
15 ins in the ground for $\frac{1}{4}$ sec
cor. mark $\frac{1}{4}$ on W face. W. face
a juniper 15 ins in diam bet
 $556^{\circ}51'E$: 215 lbs dist: mark $\frac{1}{4}$ 524 P.T.
a juniper 12 ins in diam bet $544^{\circ}W$:
142 lbs dist: mark $\frac{1}{4}$ 520 P.T.

Grand S.P. Mer. Arizona -
Chains

- 4368 a pine 30 ins in diam; and
descend-
- 4300 Summit of cañon
- 51.60 Cross cañon course W. 30 lbs grade
- 5675- Mine of cañon and ascend-
- 6200 Summit and descend-
- 80.00 Set a molpau's stone 18x10x8 ins
13 ins in the ground for ^{13, 14, 23 & 24} edges, ₁₇
covered with 3 notches on S and
1 notch on E edges. J.P. Stone:
A cedar 10 ins in diam bro 776085'E:
11 lbs dist: W. 16 N. 7 E S 13 B.T.
A juniper 15 ins in diam bro 5210 E: 366
lbs dist: W. 16 N. 7 E S 24 B.T.
A juniper 14 ins in diam bro 75025' W:
71 lbs dist: W. 16 N. 7 E S 14 B.T.
A bearing juniper 24 ins in diam bro
5320 W: 224 lbs dist: W. 16 N. 7 E S 23 B.T.
Grand, mountainous -
Soil, rocky 4th notes.

Subdivision of Twp 16 N Rg 7 E:
Chains

Timber, scattering cedar, pine and
juniper -

Mountainous land covered with
scattering timber 80.00 Chains.

58°38'E on a random line bet secs
13 and 24.

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

79.64 Intersect E bdy of Twp 30 Nbs N
of the cor of secs 13, 18, 19 and 24.
Thence I run N85°45'W on a
true line bet secs 13 and 24 over
rolling country -

39.82 Set a malpais stone 18x10x8 ins
13 ins in the ground for $\frac{1}{4}$ sec
cor. and $\frac{1}{4}$ on N face. Thence:
a juniper 24 ins in diam bro
N46°30'W: 83 lbs dist: and $\frac{1}{4}$ S 13 T. T.
a pine 24 ins in diam bro S 8°E:
249 lbs dist: and $\frac{1}{4}$ S 24 T. T.

Land S.P. Mex. Arizona -
Chains

79.64

cross secs 13, 14, 23 and 24.

Land, rolling -

soil, rocky + th. rate.

Timber scattering pines and juniper.

Rolling Country 79.64 Chains.

N 80° 01' W hit secs 13 and 14 over
rolling rocky mesa through
scattering cedar and juniper
timber -

11.22

cross road bro E and W.

38.00

Begin to descend

39.75

cross dry wash 30 lbs wide course W

40.00

Set a molpais stone 26x10x6 ins

19 ins in the ground for 1/4 sec

in road 1/4 m W from W base:

a pinus 30 ins in diam bro S 33° E:

165 lbs dist: road 1/4 S 13 B.T.

a juniper 10 ins in diam bro S 60°

15 m. road 1/4 S 14 B.T.

11 Subdivision of Twp 16 N. R. 7 E.

Chains

- 49.00 cross dry wash 200 lbs wide
course S.W.
- 58.00 Top of ridge bro E.
- 62.00 Descend.
- 69.00 cross dry wash 75 lbs wide course
S.E. and ascend.
- 80.00 Set a molysis stone 26 X 14 X 10 ins
19 ins in the ground for the cor
of sec 11, 12, 13 and 14, with 4
notches on the S and 1 notch on the
E edges. as follows:
- a juniper 12 ins in diam bro 746
10'E: 235 lbs dist: whd T 16 N 7 E S 12 B.T.
- a juniper 16 ins in diam bro 537 40'E:
39 lbs dist: whd T 16 N 7 E S 13 B.T.
- a juniper 60 ins in diam bro 527 20
W: 135 lbs dist: whd T 16 N 7 E S 14 B.T.
- a juniper 30 ins in diam bro 736
40 W: 230 lbs dist: whd T 16 N 7 E S 11 B.T.
- Land, mountainous-

Grand A.P. Mt Arizona
Chains

Soil, rocky 4th note.

Trunks scattering cedar, pine
and juniper -

Mountainous country 8000 etc

85045' E on a random line bet
secs 12 and 13.

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

79.65 - Fall 30 lbs 5' of the evap sec 12,
13, 7 and 18 on the E side of Top
Three Run 789053' W on a
true line bet secs 12 and 13

Ascending slope -

13.65 - Top of ridge and descend

36.33 - cross by west 80 lbs wide
course 5 and ascend -

39.820 - set a volcanic stone 24x15x10
ins 18 ins in the ground for $\frac{1}{4}$ sec
on road $\frac{1}{4}$ m N. of sec. 11. Hence:
again 6 ins in diam 100 South

13 Subdivision of Twp 16 N Rg 7 E:
Chains

257 lbs dist: subd $\frac{1}{4}$ S 13 B.T.

a juniper 20 ins in diam. No 731⁴

132 lbs dist: subd $\frac{1}{4}$ S 12 B.T.

60.03 - Comes dry wash 100 lbs wide
course S.

79.63 - end of recs 11, 12, 13 and 14.

Hard, mountainous -

Soil rocky & the same -

Timber, scattering pines, cedars,
and juniper -

Mountainous country 79.63 chs.

Oct 21st 1902

Oct 22nd 1902 at 8 a.m. I met
I set off 34°45' on the lat. arc
and 10°46' on the decl. arc
and determine with the solar
a true meridian at the end
of recs 11, 12, 13 and 14. I then
I run 2000' W on a true

Grand S.B. Mer Arizona -
Chambers

line bet sec 11 and 12

6.00

Top of ridge bet N.E. and SW

40.00

Set a molpais stone 20 X 12 X 6

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

sec on mid $\frac{1}{4}$ on the W face

Whence:

a juniper 12 ins in diam bet

N 10° 30' W: 124 lbs dist: mid $\frac{1}{4}$ S 11 B.T.

a juniper 16 ins in diam bet S 17° S

59 lbs dist: mid $\frac{1}{4}$ S 12 B.T.

57.40

cross ravine 30 lbs wide course

W and ascend-

61.00

Top of ridge bet E and W.

80.00

Set a molpais stone 26 X 14 X 8

ins 19 ins in the ground for

the end of sec 1, 2, 11 and 12 mid

with 5 notches on the S and 1

notch on the E edge - Whence

an oak 6 ins in diam bet N 41° E:

53 lbs dist: mid T 16 7 15 7 E S 13 B.T.

15- Subdivision of T_p 16 N R₇ E:

Chains

an oak 6 ins in diameter 542°E:

64 lbs dist: whd T 16 N R 7 E S 12 13 T

an oak 6 ins in diameter 745°W:

27 lbs dist: whd T 16 N R 7 E S 2 1 T

an oak 7 ins in diameter 515°W: 83

lbs dist: whd: T 16 N R 7 E S 11 13 T

hard, mountainous

soil rocky & the rate -

Timber, oak, cedar and pine

Mountainous country or heavily

timbered land 80.00 chains.

589°58'E on a random line bet

secs 1 and 12 -

40.00

Set temp 1/4 sec cor -

72.58

intersect E. ldy of T_p 9, ldy S of
the E. ldy of T_p -
the cor of secs 1 and 12 - Thence

I run 589°58'W on a true

line bet secs 1 and 12 over

rolling country through dense

Grand S.R. Mex. Azyma-
chains

- pine and cedar timber -
- 5.50 Summit of mesa
- 12.60 Pine 24 ins in diam on line -
- 12.50 cross draw 20 lbs wide course
N.W.
- 39.79 Set a malpais stone 28 X 18 X 12
ins 21 ins in the ground $\frac{1}{4}$
 $\frac{1}{4}$ sec on road $\frac{1}{4}$ on N face. $\frac{1}{4}$ sec
an oak 6 ins in diameter N 37° W:
28 lbs dist: road $\frac{1}{4}$ S 13° E
an oak 8 ins in diam N 52° 0' E:
17 lbs dist: road $\frac{1}{4}$ S 12° E.
- 42.75 cross draw 30 lbs wide course N.W.
- 47.50 Top of ridge and over mesa
- 67.35 Pine tree 36 ins in diam on line -
- 79.58 cross draw 1, 2, 11 and 12.
Grand, rolling
Soil, rocky 4 the water -
Timber, oak, pine, and cedar,
Rolling country covered with

17 Subdivision of Twp 16 N Rg 7 E.

Chains

dense cedar and pine timber

79.58 chains -

N 00° 01' W bet sec 1 and 2 over
rolling country through scattering
cedar and juniper timber -

0.45 - S brink of cañon.

1.00 Bed of cañon. course ~~is~~ 60 ft wide.

5.50 N brink of cañon - and around

11.00 Top of slope.

36.08 Intersect the 4th standard parallel
S 89° 52' W and 22.25 chains dist from
the standard ~~line~~ ^{line} on on the
S 1/4th of sec 32 of Twp 17 N Rg 8 E. and
set a molpaiis stone 22 x 14 x 12
ins 16 ins in the ground for closing
bet sec 1 and 2, with 5 notches on
1 notch on 2 and 5 notches on
wedges and c.c. on 5 feet - and
raise a mound of stone 2 ft

Grand A. B. Meridian Trigons
Chains

18

base $1\frac{1}{2}$ ft high sq cor Pits
impracticable.

Land, rolling -

Soil, rocky 4th rate.

Timber scattering cedar and
juniper.

Rolling land with scattering
timber 3608 chains -

Oct 22nd 1902

Oct. 23, 1902 at 9 a.m. l.m.t.

Set off $34^{\circ}44'$ on the lat arc and

$11^{\circ}5'30''$ on the decl arc and

determine a true meridian

with the solar at the cor of sec

34 and 35 on the S. side of the Twp.

Then I run $200^{\circ}01'W$ on a

true line bet sec 34 and 35 up

gradual slope.

18.00

Top of molpaie ridge and descend

19 Subdivision of Twp 16 N Rg 7 E:
Chains

- 24.50 descend molpais bluff-
- 40.00 Set a molpais stone 20 X 17 X 6 ins
15 ins in the ground for $\frac{1}{4}$ sec cor
with $\frac{1}{4}$ m W face. Whence:
an oak 10 ins in diam brs $S43^{\circ}45'W$:
105-lbs dist; wood $\frac{1}{4}$ 534 B.T. No other
bearing trees available. To rise a
mound of stone 2 ft. base $1\frac{1}{2}$ ft
high W of the cor. is impracticable.
- 53.00 Cross dry wash 25 lbs wide course N.
- 60.00 Top of molpais ridge brs E and W.
- 78.40 Cross trail brs E and W.
- 80.00 Set a molpais stone 20 X 18 X 15
ins in the ground for cor of sec
26, 27, 34 and 35, with 1 notch on
the S and 2 notches on the E edges.
Whence:
a pine 20 ins in diam brs $N23^{\circ}15'E$:
174-lbs dist; wood T 16 N R 7 E S 26 B.T.
a juniper 36 ins in diam brs $S72^{\circ}06'E$.

G and S. R. Meridian Ariz. 20
Chains

375 lbs dist: merid T167137ES33BT

a pine 18 ins in diam brs $574^{\circ}20'W$:

270 lbs dist: merid T167137ES34BT

a pine 24 ins in diam brs $732^{\circ}W$:

126 lbs dist: merid T167137ES27BT

Land, mountainous -

Soil, rocky 4th rate -

Timber, scattering pines and juniper

Mountainous country 8000 chains

East on a random line bet secs

26 and 35 -

4000

Set temp $\frac{1}{4}$ sec cor -

7173

Intersect N and S line 5-lhs 5 of
Theory sec 25, 26, 35 and 36, 9 there

Run $589^{\circ}58'W$ on a true line

bet secs 26 and 35 down rolling

mountainous country through

scattering timber -

2208

I think of canyon - 100 ft deep

21 Subdivision of Top 16 N B 37 E.
Chains

- 27.43 cross bed of conifer 60 lbs wide course S.W.
- 31.91 W bank of conifer -
- 39.865⁵ Set a malpais stone 20 x 12 x 6 ins
18 ins in the ground for $\frac{1}{4}$ sec. course S.W.
 $\frac{1}{4}$ in N face - W. line:
a juniper 48 ins in diam. hrs N 48° E:
195 lbs dist: ward $\frac{1}{4}$ 526 B.T.
a cedar 18 ins in diam. hrs S 16° W: 72
lbs dist: ward $\frac{1}{4}$ 535 B.T.
- 41.23 cross course 20 lbs wide course S.E.
- 51.83 Top of malpais ridge hrs N and S.
- 53.30 ascend steep bluff 40 ft high.
- 63.70 Begin ascent of steep hill.
- 70.43 cross by wash 60 lbs wide course N.W.
- 79.73 cor of sec 26, 27, 34 and 35 -
Round, mountainous -
soil, rocky 4th rate -
Timber, scattering cedar and juniper
Mountainous land covered with
scattering cedar and juniper

Grand A. B. Meridian Original
Chains

timber 7973 Chains -

- 233- 200001 W set sec 26 and 27 over rolling mountainous country cross by wash 30 lbs wide course W. and ascend -
- 32.00 Top of Malpais ridge bro E and W.
- 40.00 Set a malpais stone 24 x 14 x 8 ins 18 ins in the ground for $\frac{1}{4}$ sec cor, and $\frac{1}{4}$ on the W face - distance:
 a juniper 20 ins in diam bro N 24° W:
 74 lbs dist: and $\frac{1}{4}$ 527 B.T.
 a cedar 15 ins in diam bro S 34° 45' E: 206
 lbs dist: and $\frac{1}{4}$ 526 B.T.
- 46.30 cross Prairie 30 lbs wide course W.
- 63.00 Top of ridge bro E and W.
- 80.00 Set a malpais stone 24 x 12 x 10 ins 18 ins in the ground for cor of sec 22 23, 24 and 27, and with 2 notches on the S and 2 notches on the E

23

Subdivision of Twp 16 N R 7 E

Chains

edges - thence:

a cedar 14 ins in diam thro

N 35° E: 32 chs dist: whd T 16 N R 7 E S 23 B.T.

a spruce 14 ins in diam thro S 19° E:

223 chs dist: whd T 16 N R 7 E S 26 D.T.

a cedar 24 ins in diam thro S 66° 18' W:

74 chs dist: whd T 16 N R 7 E S 27 B.T.

a cedar 12 ins in diam thro N 81° 08' W:

61 chs dist: whd T 16 N R 7 E S 22 B.T.

Land, mountainous -

Soil, rocky & ^{the} water -Timber, pine, cedar, juniper and
oak brush.

Mountainous land 50.00 chains.

N 89° 58' E on a random line bet sec

23 and 26

40.00

Set temp of sec etc

79.70

Intersect the Rand S line 11 chs N of the
en of sec 23, 24, 25 and 26. Thence &

Grand A. B. Meridian Arizona
 Chains 27

- run $N 85^{\circ} 57' W$ on a true line to sec
 23 and 26. over rolling mountainous
 country -
- 39.5 cross dry wash 10 lbs wide course S.W.
- 44.95 E. bank of cañon and descend
- 53.00 Bed of cañon 40 lbs wide course N.W.
- 59.85 Set a surveying stone $28 \times 6 \times 4$ ins 21 ins
 in the ground for $\frac{1}{4}$ sec on north
 $\frac{1}{4}$ on the N face. Whence:
 a cedar 12 ins in diam $N 47^{\circ} 2' : 72$ lbs dist
 north $\frac{1}{4}$ 52313.7
 a cedar 14 ins in diam $N 53^{\circ} 6' W : 40$
 lbs dist: north $\frac{1}{4}$ 52613.7
- 40.50 West rim of cañon
- 42.70 Top of ridge and descend
- 49.70 cor of sec 22, 23, 26 and 27.
 Round, mountainous -
 Soil, rocky 4th rate.
 Timber, cedar, pine, juniper and
 scrubsh.

25-

Subdivision of Twp 16 N Rg 7 E:
Chains

Mountainous country covered with
scattering timber—79.70 chains.

Oct 23rd 1902

Oct 24th 1902 at 8 a.m. C.M.T. I
set by $34^{\circ}46'$ in the set arc and
 $11^{\circ}28'30''$ in the decl. arc and deter-
-mine a true meridian at the
end of recs 22, 23, 26 and 27. Thence
I run $N00^{\circ}01'W$ on a true line bet
recs 22 and 23 over mountainous
country through dense cedar timber.

16.50 South rim of canon

18.75 Bed of canon 75-lbs wide course N.W.

33.50 North rim of canon

40.00 Set a molpaio stone $30 \times 12 \times 10$ ins 22
ins in the ground on $\frac{1}{4}$ sec cor, about
 $\frac{1}{4}$ m W face. Thencea piron 8 ins in diam by $S60^{\circ}10'W$:32. lns dist: $S60^{\circ}10'W$ 522.5 ft.

Grand S. B. Meridian Arjima
Chains

- a cedar 8 ins in diam brs $N 29^{\circ} 10' E$
 50 lbs dist. mhd $T 523 B.T$
- 53.25 Spring of canon.
- 62.10 cross dry wash 20 lbs wide course $N.W.$
- 63.00 Top of ridge
- 67.10 Pine 12 ins in diam on line.
- 70.25 Bed of canon 50 lbs wide course $S.W.$
- 76.00 N rim of canon.
- 79.10 cross old road brs $N.E.$ and $S.W.$
- 80.00 Set a molpais stone $20 \times 12 \times 10$ ins 10
 ins in the ground for corral nos 14, 10
 22 and 23; mhd with 3 notches
 on the 5 and 2 notches on the 2
 edges. N. Thayer.
- a cedar 12 ins in diam brs $N 27^{\circ} 12' E$
 47 lbs dist. mhd $T 167127 E 514 B.T$
- a cedar 8 ins in diam brs $S 26^{\circ} 48' E$
 21 lbs dist. mhd $T 167127 E 523 B.T$
- a cedar 16 ins in diam brs $S 69^{\circ} 55' W$
 94 lbs dist. mhd $T 167127 E 523 B.T$

27 BOOK 231
Ludlow of Tp 16 N R 7 E:
Chains

a cedar 8 ins in diam hrs N 46° 38' W. 26

lbs dirt: whd T 16 N R 7 E S 15 13 J.

Land, mountainous -

Soil, rocky 4th rate -

Timber, very dense cedar timber
and oak brush -

Mountainous land covered with
a heavy growth of very dense cedar
timber and oak brush 80.00 chains

✓

589057'E on a boundary line bet secs
14 and 23.

40.00 Set temp 1/4 sec cor

5868 Intersect N and S line 9 lbs 5 of the
cut of secs 13, 14, 23 and 24. Then
a run 589057' W on a true line
bet secs 14 and 23 over mountainous
country -

368 Bank of canyon and descend -

14.00 Bed of canyon 00 lbs wide course S.W.

Grand S. R. Meridian Arizona
chains

- 34.68 along N bank of Ravine -
- 3984 Set a molpais stone 18x12x10 ins
13 ins in the ground for $\frac{1}{4}$ sec on
solid $\frac{1}{4}$ on N face N then is:
a juniper 30 ins in diameter S 50° W.
106 lbs dist: solid $\frac{1}{4}$ 523 B.T.
a juniper 60 ins in diameter N 50° 05 W.
236 lbs dist: solid $\frac{1}{4}$ 514 B.T.
- 51.53 Begin ascent -
- 79.68 end of runs 14, 15, 22 and 23.
hard, mountainous -
Soil rocky 4th rate -
Timber, pine juniper and oak brush
Mountainous land covered with
pine timber and oak brush 79.68 lbs.
-
- N 00° 01' W bet runs 14 and 15 over rolling
mountainous land -
- 18.60 cross wagon road N 27° 5 and S W.
- 35.23 Bank of canon and descend -

29 Subdivision of Twp 16 N R 7 E:
Chains

- 4000 Set a molypais stone 20 x 12 x 10 ins
15 ins in the ground for $\frac{1}{4}$ sec
and $\frac{1}{4}$ on W face: W fence:
an oak 6 ins in diam brs $N 50^{\circ} 15' E$.
21 lks dist: mark $\frac{1}{4}$ 514 BT
an oak 8 ins in diam brs $N 85^{\circ} 15' W$: 80
lks dist: mark $\frac{1}{4}$ 515 BT
- 4130 Crossed of Battleshock cañon 78 lks on
course W.
- 4323 N rim of cañon.
- 5250 Top of mesa -
- 6270 descend.
- 6825 S brink of cañon
- 7580 Bed of cañon 100 lks wide course S.W.
- 8000 Set a molypais stone 22 x 12 x 10 ins 16 ins
in the ground for lengths 10, 11, 14
and 10; mark with 4 notches on 3 and
2 notches on the 2 edges. W fence:
an oak 8 ins in diam brs $N 51^{\circ} W$: 135
lks dist: mark T 16 N R 7 E 510 BT

G and A. B. Meridian Arizona
Chambers

a pine 2 ins in diam bet 55°30'W.

95- the dist: mhd T16 NR 9 E 513-151.

There being no other bearing trees
within limits, I raise a mound

of stone 2ft base $1\frac{1}{2}$ ft high W
of the car. Pits impracticable

land, mountainous.

Soil, rocky 4th rate.

Timber, dense cedars and oaks.

Mountainous land heavily

timbered 80.00 chains.

N 89°59'E on a random line bet
secs 11 and 14.

40.00

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

79.65-

intersect the Rand & line 27 the

N of the cor of secs 11, 12, 13 and 14

Thence I run N 89°49'W on a

true line bet secs 11 and 14

over rolling country through

31

Subdivision of Twp 16 N R 7 E
 Chains

- dense cedar timber -
- 8.63 - cross draw 30 lks wide course S E.
 825'
 33.875' set a molpais stone 28 x 12 x 7 ins
 21 ins in the ground for $\frac{1}{4}$ sec in
 road $\frac{1}{4}$ on the N face. Whence:
 a cedar 16 ins in diam brs $7743^{\circ}15'E$.
 43 lks dist: road $\frac{1}{4}$ S 113.5 T.
- a pine 22 ins in diam brs $314^{\circ}30'E$.
 132 lks dist: road $\frac{1}{4}$ S 14.5 T.
- 5865 - Top of molpais ridge brs N E.
- 79.60 - Descend bluff -
- 79.65 - the cor of secs 10, 11, 14 and 15 - found into -
 back rocks 4th cor. Timber dense cedar 79.65 lks Oct 24 '02
- Oct 25th 1502 at 7 a.m. l.m.t. I
 set off $34^{\circ}48'$ on the lat arc and
 $11^{\circ}49'$ on the decl. arc and de-
 termine a true meridian
 with the solar at the cor of
 secs 10, 11, 14 and 15. Thence I run
 $N 00^{\circ}01' W$ bet secs 10 and 11 up

Grand S.R. Meridian Wignoa-
Chavis

gradual S slope through dense
cedar timber and oak brush.

- 15.00 Top of ridge bro W.
- 18.50 cross draw 100 lbs wide course W.
- 26.00 Top of ridge bro E and W.
- 40.00 Set a malpais stone 20 X 10 18 ins
15 ins in the ground for $\frac{1}{4}$ sec on
with $\frac{1}{4}$ in the W face. Whence:
a pine 14 ins in diam bro $N 28^{\circ} 15' W$.
84 lbs dist: with $\frac{1}{4}$ 510 B.T.
a pine 28 ins in diam bro $S 41^{\circ} E$.
124 lbs dist: with $\frac{1}{4}$ 511 B.T.
- 40.50 cross dry wash 75 lbs wide course W.
- 61.00 Summit of mesa -
- 76.41 cross dry wash 100 lbs wide course W.
- 80.00 Set a malpais stone 24 X 12 110 ins
18 ins in the ground for on faces 2, 3
10 and 11 with 5 notches on the S
and 2 notches on the E edges. Whence:
a pine 10 ins in diam bro $N 25^{\circ} 15' E$.

83

Subdivision of TP 16 NR 7 E:
Chains

135 lbs dist: wood T 16 NR 7 E S 2 DT

a pine 18 ins in diam brs 534°30'E

68 lbs dist: wood T 16 NR 7 E S 11 DT

a pine 8 ins in diam brs 544°43'W.

160 lbs dist: wood T 16 NR 7 E S 10 DT

a pine 36 ins in diam brs N 82°15'W.

169 lbs dist: wood T 16 NR 7 E S 13 DT

Ground, rolling - soil rocky & throt - Timber dense
cedar and oak brush 8000 chains589°49'E on a random line bet
secs 2 and 11.

40.00 Set temp 1/4 sec cor.

79.66 Intersect the N and S line 5 lbs S
of the cor of secs 1, 2, 11 and 12. Thence
I run N 89°05'W on a true line
bet secs 2 and 11 over rough broken
country through dense timber.

4.16 Pub of corner course S. W. 45 lbs wide

8.66 West line of corner

39.83 Set a malpais stone 20 x 12 x 8 ins

18 ins in the ground for 1/4 sec

Grand A.P. Meridian Arizona -
 Chains

- en mark $\frac{1}{4}$ m the N face, and raise
 a mound of stone 2 ft base $1\frac{1}{2}$ ft
 high N of them. Pits impracticable
 57.66 Summit of mesa
 74.41 cross dry wash 50 lbs wide course S.W.
 79.66 en of secs 2, 3, 10 and 11.
 Grand, mountainous -
 soil rocky & stony -
 Timber, cedar and pine -
 Mountainous land heavily
 timbered - 79.66 chains -
-
- N 00° 01' W bet secs 2 and 3 over
 mountainous country through
 scattering timber -
 4.38 ascend melpais bluff N.W.
 20.00 Top of low ridge N.W.
 35.00 cross dry wash course S.W. 25 lbs wide
 36.20 intersect the fourth standard
 parallel 193 lbs N of the standard

Subdivision of Tp 16 N Rg 7 E:
chains

Applied on the 5th day of Dec 31st 1897
 7732
 to p 17 N R 7 E and I set a ^{stone} ~~mark~~ ^{mark} ~~mark~~ ^{mark}
 112 ins 21 ins in the ground for the
 closing on bet secs 2 and 3, marked with
 2 notches in E and 4 notches in Wedges
 and C.C. on the S face. W. Mercur:
 a juniper 24 ins in diam has 570°

138 lbs dist: mark T 16 N R 7 E S 2 B.

a pine 22 ins in diam has 555° W. 70

lbs dist: mark T 16 N R 7 E S 3 B.

Land, mountainous -

Soil, rocky & the water

Timber, pine and juniper.

Mountainous land 36.28 chains.

Oct 25 1902

Oct 26th 1902 at 9 a.m. I set
 out off 34°44' on the lat arc and
 12°10' on the decl arc and determine
 a true meridian with the

Grand L.R. Meridian Arizona
chains

solar at the end of sees 33 and 34
in the S. side of the Tp. Thence
I run 2700°02' W on a true line bet
sees 33 and 34 over rolling country
through scattering cedar timber.

2.53

cross dry wash course W. 25 N. wide

40.00

Set a molpais stone 20x8x4 ins 10
ins in the ground for $\frac{1}{4}$ sec cor.

marked $\frac{1}{4}$ on W face. W thence:

a cedar 8 ins in diam bet 576° W. 217

Obs dist: marked $\frac{1}{4}$ 53313. There being

no other trees in limits I raise

a mound of stone 2 ft base $1\frac{1}{2}$ ft

high W of cor. Put unpracticable

77.72

cross line cut bet S and W.

- 78.30

Part of hill 100 ft high and around

80.00

Set a molpais stone 28x15x12 ins
21 ins in the ground for cor gress

27, 28, 33 and 34. W thence:

a juniper 12 ins in diam bet

Subdivision of Twp 16 N R 7 E:
 Charms

N 56° E. 70 lbs dist. mhd T 16 N R 7 E S 27 B T

a pine 12 ins in diameter S 24° E. 336

lbs dist. mhd T 16 N R 7 E S 34 B T.

a pine 16 ins in diam to S 27° W. 349.

lbs dist. mhd T 16 N R 7 E S 33 B T.

a juniper 10 ins in diam to N 49° W.

16 lbs dist. mhd T 16 N R 7 E S 28 B T.

Land, mountainous -

Soil, rocky 4th rate.

Timber scattering junipers, pine
 and cedar.

Mountainous land covered with
 scattering timber 80.00 acres.

cut on a sandown line bet secs 27

and 34. soil mountainous country

40.00 set lines 4 sec w.

80.02 intersect the sandown line 10

lbs north of the end of secs 26, 27, 34

and 30. Thence S run N 89° 00' W.

Grant S. P. Merdine Arizona
 chains

38

on a true line bet sees 27 and 34
 over mountainous country.

13.13 cross by wash course S.W. 15.6k wide

4001 set a malpais stone 28 x 15 x 10 ins 15 ins
 in the ground for $\frac{1}{4}$ sec. on N side,
 $\frac{1}{4}$ on the W face and raise a mound
 of stone 2 ft base $1\frac{1}{2}$ ft high N of
 the cr. P to impracticable.

74.06 cross line grad bet N.E.

80.02 crosses 27, 28, 33 and 34.

land mountainous.

soil, rocky if the state.

timber scattering pines and
 juniper

Mountainous land 8102 chains.

N 00° 02' W bet sees 27 and 28 up gentle
 S slope of low flat mountain.

35.00 Summit.

40.00 set a malpais stone 28 x 14 x 10 ins

39

chains

Subdivision of Tp 16 N R 7 E:

18 ins in the ground for $\frac{1}{4}$ sec cor
 mtd $\frac{1}{4}$ m W face. Whence:

a cedar 18 ins in diam hrs $55^{\circ}45' E$;

40 lbs dist. mtd $\frac{1}{4}$ S 27 B.T.

a juniper 16 ins in diam hrs $53^{\circ}45' W$

124 lbs dist. mtd $\frac{1}{4}$ S 28 B.T.

73.90

Cross old road to S E.

80.00

Set a molpais stone 20.15 x 8 ins 15
 ins in the ground for the angles
 21, 22, 27 and 28 mtd with 2 notches
 on the 5 and 3 notches on the 2 edges
 and raise a mound of stone
 2 ft base $1\frac{1}{2}$ ft high W of the cor.
 Pits impracticable.

Land, mountainous.

Soil, rocky & sterile.

Timber, cedar and juniper.

Mountainous land 80.00 chains

58900 E on a random line

Hand S.B. Meridian Arizona
Chains

net secos 22 and 27.

4000

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

5000

Intersect the W and S line of
the S of the en of sec 22, 23, 26 and
27. Thence I run West on a
true line net secos 22 and 27
over rough broken country
through dense cedar timber.

4000

Set a malpais stone 20x12x8 ins 10-
ins in the ground for $\frac{1}{4}$ sec cor
and $\frac{1}{4}$ in the W face. Offence
a cedar 8 ins in diam hrs $N 6^{\circ} 30' E. 113'$
the dist: $\text{mhd } \frac{1}{4} S 22 B.T.$
a juniper 14 ins in diam hrs $S 35^{\circ} W 5'$
23 the dist: $\text{mhd } \frac{1}{4} S 27 B.T.$

8000

The en of sec 21, 22, 27 and 28.
Rough, rough and broken.
Soil, rocky & the rocks.
Timber, dense cedars and junipers
Rough broken land as heavily

41 Subdivision of Twp 16 N Rg 7 E:

Chains

Timbered land 80.00 chains -

Oct 26th 1902

Oct 27 1902 at 8 a.m. I set
 off $34^{\circ}46'$ in the lat arc and
 $12^{\circ}30'30''$ in the decl. arc and de-
 termine a true meridian with
 the solar at the on paces 21, 22
 27 and 28. Thence I run $800^{\circ}02'W$
 on a true line bet 21 and 22
 over rough mountainous -
 country -

- 12.50 Two saddle and ascent.
 15.00 Top of ridge bet E and W.
 31.50 Cross by wash of the wide course N.W.
 33.00 Top of ridge bet E and W.
 34.10 Start of canon.
 37.00 Bed of canon of the wide course N.W.
 40.00 Set a malpais stone $24 \times 14 \times 10$ ins
 18 ins in the ground for $\frac{1}{4}$ sec cor

Hand of R. M. M. Arizona
 Chains

rod $\frac{1}{4}$ in the W face. Whence:
 a cedar 24 ins in diam bro 543°35'W:
 135 lbs dist: rod $\frac{1}{4}$ 521 FT.

44.75 - N. trunk of canyon -

50.50 - Summit of mesa

72.75 - cross road bro NE.

80.00 - Set a molypais stone 24 1/2 x 10 ins 15
 ins in the ground for the me-
 asures 15, 16, 21 and 22. rod with 3
 notches on the S and 3 notches on
 the E edges - Whence:

a pine 12 ins in diam bro 7736°E:
 26 lbs dist: rod T 16 N R 7 E 515 FT.

a pine 15 ins in diam bro 539°E:
 126 lbs dist: rod T 16 N R 7 E 522 FT.

a cedar 12 ins in diam bro 577°W:
 67 lbs dist: rod T 16 N R 7 E 521 FT.

a cedar 6 ins in diam bro 762°W: 76
 lbs dist: rod T 14 N R 7 E 516 FT.

Round, snowmountainous -

Subdivision of Top 16 N.B. 72
Chains

Soil, rocky & coarse.

Timber, dense cedar.

Mountainous country covered
with dense cedar timber 80.00 chs.

Set on a sandstone line bet. secs
13 and 22.

40.00 Set temp $\frac{1}{4}$ sec.

80.06 Intersect N & S line 10 chs S of
the east sec 14, 15, 22 and 23.

Thence I run S 89° 56' W on a
true line bet. secs 15 and 22
over rolling country through
dense cedar timber.

40.03 Set a wolpains stone 20 x 12 x 10 ins
15 ins in the ground for $\frac{1}{4}$ sec.

on mhd $\frac{1}{4}$ on N face. Whence:
a cedar 10 ins in diam bro N 26° E:

101. chs dist: mhd $\frac{1}{4}$ S 10° E

a cedar 8 ins in diam bro S 13° E:

G and S. B. Meridiene Spring area -
Chains

57 lbs diet: mtd $\frac{1}{4}$ 522 B.T.

43.48

cross road hrs N.E. to Stone Mountain

8006

in gues 15, 16, 21 and 22.

Land, mountainous -

Soil, rocky & stony -

Timber, dense cedar.

Mountainous country covered
with dense cedar timber

50.86 chains -

N 00° 02' W bet secs 15 and 16 over rough
broken country through dense
cedar timber.

820

Brink of Battisuck cañon and
descend rapidly.

18.20

Bed of cañon 100 lbs wide course W.

24.30

N brink of cañon

40.00

Set a melpis stone 20x18x6 and 15
ins in the ground for $\frac{1}{4}$ sec cor
mtd $\frac{1}{4}$ on W face. W. Hence:

Subdivision of Twp 16 N Rg 7 E.
chains

a cedar 10 ins in diam bro N 21° W.

11 lbs dist. whd $\frac{1}{4}$ 516 B.T.

a cedar 12 ins in diam bro S 46° E.

6 lbs dist. whd $\frac{1}{4}$ 515 B.T.

56.20 Gene timber.

73.70 cross draw bro W. 35 lbs wide

80.00 Set a molypais stone 18 x 12 x 10 ins
12 ins in the ground for each of secs
9, 10, 15 and 16, whd with 4 notches
on the 5 and 3 notches on the 2
edges. Whence:

a cedar 18 ins in diam bro N 76° E: 221

lbs dist. whd T 76 N R 7 E S 10 B.T.

a cedar 6 ins in diam bro S 11° E: 306

lbs dist. whd T 76 N R 7 E S 15 B.T.

a cedar 6 ins in diam bro S 25° W.

257 lbs dist. whd T 76 N R 7 E S 16 B.T.

a cedar 6 ins in diam bro N 75° W: 105

lbs dist. whd T 76 N R 7 E S 9 B.T.

Land, mountainous.

Hand S.R. Meridian Arizona
 Chains

Soil, rocky & the rest -

Timber, dense cedars -

Mountainous country heavily

timbered 8000 chains -

789°53'E on a random line bet
 sec 10 and 10 -

40.00

Set temp 1/4 sec cor

80.19

Intersect the N and S line 100 lbs

N of the on faces 10, 11, 14 and 10 -

Thence I run West on a true
 line bet sec 10 and 15 over

mountainous country through
 dense cedar and pine timber -

0.84

Back of corner 100 lbs wide course 5

24.19

Top of molpais ridge bet N.E.

40.075

Set a molpais stone 20 x 14 x 6 ins 10
 ins in the ground on 1/4 sec cor

and 1/4 on the N face. Whence:

a cedar 12 ins in diam bet 5° 15' 30" E.

47 Subdivision of Twp 16 N Rg 7 E:

Chains

95 lbs dist: marked $\frac{1}{4}$ 515 B.T.

across 6 ins in diam bro N 10° 30' E

84 lbs dist: marked $\frac{1}{4}$ 510 B.T.

55.20

Cross dry wash 20 lbs wide course S.W.

70.69

Top of ridge bro N and S.

80.19

cont of secs 9, 10, 15 and 16.
 Sand mountains, soil, rocky & the note.
 Timber dense cedar and pine. Mts land
 heavily timbered 80.19 Chs.

Oct 28th 1902Oct 28th 1902 at 7 a.m. C.M.T.

I set off 34° 48' on the lat arc

and 12° 45' on the decl arc and

determine a true meridian

with the solar at the cor of

secs 9, 10, 15 and 16. Thence I run

N 00° 02' W in a true line bet secs

9 and 10 over rolling country

through scattering cedar timber

3.10

Top of ridge bro S and W.

11.60

Cross draw bro W.

20.45

cross dry wash 30 lbs wide course N.W.

Band S.P. Meridian Arizona

chains

- 26.00 ascend gentle S slope.
- 40.00 set a malpais stone 24 X 15 X 6 ins 18 ins in the ground for $\frac{1}{4}$ sec on north $\frac{1}{4}$ on W face and erect a mound of stone 2 ft base $1\frac{1}{2}$ ft high at of the cor - Pit impracticable.
- 49.00 Top of ridge bro NW.
- 57.00 descend gentle S slope.
- 78.60 cross wash course N and along bed of wash.
- 81.00 Brink of dry wash 20 lbs wide course SW. Set a malpais stone 20 X 12 X 8 ins 15 ins in the ground for cor of sec 3, 4 5 and 10, mtd with 5 notches on S and 3 notches on the E edge - W fence: an oak 7 ins in diam bro N 40° E: 130 lbs dist: mtd T 167 B 7 E 53 B. T. an oak 4 ins in diam bro N 26° W: 77 lbs dist: mtd T 167 B 7 E 54 B. T. a juniper 8 ins in diam bro S 87° E:

49 Subdivision of Tp 16 N R 7 E S 10 B T.
Chains

109. Chs dist: whd T 16 N R 7 E S 10 B T.

a cedar 24 ins in diam bto S 60° W. 25

Chs dist: whd T 16 N R 7 E S 9 B T.

Land, mountainous.

Soil, rocky & the rest.

Timber, scattering cedar and juniper.

Mountainous land 80.00 chains

East on a random line bet secs

3 and 10.

40.00

Set temp 1/4 sec cor.

80.12

Enter tract N and S line 2 lbs S

of the en of secs 2, 3, 10 and 11. Thence

S run 35 59° 57' W on a true

line bet secs 3 and 10 over

mountainous country.

7.12

Top of ridge and descend bto N.

28.10

Top of ridge bto N and S.

40.06

Set a malpais stone 20 x 16 x 8

was 15 ins in the ground for 1/4 sec

Grand S.B. Meridian Arizone
 Chain

on subd $\frac{1}{4}$ on N. side. Where:
 a juniper 12 ins in diameter N 52° W.
 167 lbs dist: subd $\frac{1}{4}$ S.B.T. There
 being no other trees within
 limits I raise a mound of
 stone 2 ft base $1\frac{1}{2}$ ft high N of
 the en. Pit impracticable

- 52.00

Descend.

73.00

descend bluffs rapidly through
 dense oak brush.

80.12

on of secs 3, 4, 5 and 10.

Grand, mountainous.

Soil, rocky & the rate

Timber, pines and juniper

Mountainous land 80.12 chains.

N 00° 0' W but secs 3 and 4 along side
 of canon and then up very steep
 S slope through very dense oak
 brush.

51 Subdivision of Tp 16 N R 7 E.

Chains

- 5.30 cross mark 40 lbs wide course SW.
- 6.00 ascend steep slope through very dense scrub.
- 30.00 ascend small bluff.
- 37:21 Intersect the fourth standard parallel $N. 85^{\circ} 48' W$ and 13.0 chs dist from the ^{standard} $\frac{1}{4}$ sec cor on the S side of sec 36 of Tp 17 N R 7 E. and I set a ^{stone} $20 \times 10 \times 6$ ins 15 ins in the ground for clearing cor bet secs 3 and 4, with 3 notches on the E, and 3 notches on the W edges and C.C. on the S face. Whence: a juniper 8 ins in diam to S 21° E: 106 lbs dist marked T 16 N R 7 E S 3 D 1.
- There being no other survey trees for limits I raise a mound of stone 2 ft base $1\frac{1}{2}$ ft high S of the cor. Pits impracticable.
- Land, rough and mountainous

Hand S.P. McKinzie Arizona
Chains

Soil, rocky & the rate

Timber, scattering oaks and cedar
and dense oak brush -

Very rough and broken country
covered with a dense growth of
oak brush - 37.21 chains -

Oct 28th 1902

Oct 29th 1902 at 9 a.m. l.m.t.

13-07-00
I set off 340441 on the lat arc and
1305'30" on the decl arc and determine

a true meridian with the solar

at the end of nos 32 and 33 on

the S. side of the Top of Pine

I run 200°02' W on a true line

at nos 32 and 33 down the steep

N slope of Round mountain

through very dense oak brush -

635-
Begin descent of steep N slope through

very dense oak brush -

Subdivision of Top 16 N R 72.

Chains

- 40.00 Set a molpais stone 24 X 10 X 6 ins 18 ins in the ground for $\frac{1}{4}$ sec 1 and $\frac{1}{4}$ in W face. Whence:
 a cedar 6 ins in diam No 588° E:
 130 lbs dist: subd $\frac{1}{4}$ 533 B.T.
- a cedar 8 ins in diam No 572° W:
 125 lbs dist: subd $\frac{1}{4}$ 532 B.T.
- 46.35 Bed of canon course N.W. and ascend.
- 57.60 N brink of canon.
- 60.00 Top of ridge and descend No E and W.
- 73.50 S brink of canon.
- 78.70 Bed of canon 50 lbs wide course N.W.
- 80.00 Set a molpais stone 18 X 12 X 10 ins 13 ins in the ground for the cor of sec 28, 29, 32 and 33 subd with 1 notch on the S and 4 notches on E edges. Whence:
 a cedar 8 ins in diam No 524° E:
 133 lbs dist: subd T 16 N R 72 533 B.T.
- a cedar 8 ins in diam No 530° W.

Band S.B. Meridian Arizona
chains

53 chs dist. wd T 1677372532137.

There being no other bearing trees
I raise a mound of stone 2 ft
base $1\frac{1}{2}$ ft high W of the cen-
Pit impracticable.

Land mountainous and broken
Soil rocky & the water.

Timber, cedar and oak brush.

Rough, broken country covered
with dense oak brush 8000 chs.

East on a round no. line bet sec 28
and 33.

40.00

Set temp $\frac{1}{4}$ sec car.

79.97

Intersect the N and S line 20 chs 5 ft
the eng sec 27, 28, 33 and 34. Thence
I run S 89° 05' W on a true line bet
sec 28 and 33 over rough mountain-
ous country through dense oak brush
Cross some 10 chs wide course S.

6.75

Subdivision of Twp 16 N Rg 7 E:
Chains

- 7.00 ascend low flat mountain -
- 26.00 Summit of Mt.
- 39.985 Set a molpau stone 30 x 10 x 7 ins
22 ins in the ground for $\frac{1}{4}$ ac en
ward $\frac{1}{4}$ ac N 70° W thence:
a cedar 12 ins in diam brs S 42° E: 118
tho dist: ward $\frac{1}{4}$ 533 B.T.
a cedar 5 ins in diam brs N 29° W: 128
tho dist: ward $\frac{1}{4}$ 528 B.T.
- 79.97 on 7 sec 28, 29, 32 and 33.
Land, mountainous -
Soil, rocky 4th rate.
Timber, pine, cedar and oak brush
Mountainous land covered with
scattering timber and dense
oak brush 79.97 chains

N 00° 02' W bet sec 28 and 29 over
rough mountainous country -
Begin ascent of gentle S slope

Grant S. B. Medicine Migrants
Chains

- 2970 Top of slope and over meadow
- 38.10 cross cañon 50 ft deep course W.
- 40.00 Set a molpino stone 20x10x6 ins 15 ins in the ground for $\frac{1}{4}$ sec course
marked $\frac{1}{4}$ m W face. Whence:
a cedar 6 ins in diam bro $N 81^{\circ} E$: 228
the dist: marked $\frac{1}{4}$ 5 28 B.T.
- a cedar 8 ins in diam bro $S 82^{\circ} W$: 158
the dist: marked $\frac{1}{4}$ 5 23 B.T.
- 4600 Top of ridge bro E and W.
- 5750 descent gradual N slope.
- 8000 Set a molpino stone 20x12x6 ins 15 ins in
the ground for courses 20, 21, 28 and
29 marked with 2 notches on the S and
4 notches on the E edges. Whence:
a cedar 8 ins in diam bro $N 34^{\circ} E$: 28 the dist
marked T 16 N B 7 E S 21 B.T.
- a cedar 12 ins in diam bro $S 71^{\circ} E$: 28 the dist
marked T 16 N B 7 E S 28 B.T.
- a pine 6 ins in diam bro $S 32^{\circ} E$: 95

57

Subdivision of Twp 15 N R 7 E
Chains

Obs dit. mhd T 16 N R 7 E S 29 13 T.

a cedar 12 ins in diam has 78° W.

51 Obs dit. mhd T 16 N R 7 E S 20 13 T.

Land, mountainous.

Soil, rocky 4th rate.

Timber, cedar and pine.

Mountainous land covered with

dense cedar timber or scrub brush

80.00 Chains

78° 05' E on a random line bet sees

21 and 28.

40.00

Set temp 1/4 sec con.

79.92

Intersect the Rand S line 40.00 ch N
of the cor of sees 21, 22, 27 and 28.Thence I run 78° 02' W on a true
line bet sees 21 and 28 over mount-
ainous country through very dense
cedar timber and scrub brush.

15.00

Top of ridge 50 ft high bet Rand S