



Copied by G. V. Apl. 22/03  
comp. by " " 27.5. 23/03

Des. sheet copied C. M. 11/19/03.  
" " Comp C. M. & T. A. 11/20/03.

No. 1428

BOOK 1428

Field Notes  
of the  
Survey of the  
North side of the tract  
Twp 15 N Rg 8 E,  
East boundary of the tract  
Twp 15 N Rg 8 E. and  
The South boundary of  
the tract Twp 15 N Rg 8 E. of  
the Gila and Salt River  
Meridian Arizona -  
As surveyed by -  
James B Grand

and  
Park W Gattimer  
Under their contract No 101.  
Dated June 30 1902 -

Survey commenced Nov 6<sup>th</sup> 1902

Survey completed Nov 10<sup>th</sup> 1902

Names and duties of  
assistants

W. W. Platt Chairman

R. W. Peet Chairman

R. G. Brooke Member

A. S. Bothwell Treasurer

BOOK 1428

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T10N R 82

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T15N R 82.



Preliminary of N bdy of Twp 15 NR 8 E.  
 Chasino

Preliminary to commencing the subdivision of this township I run S on a blank line on the N bdy of sec 6; at 3850 chs I find the faint remains of the old N sec on 3 lks S and 31 lks E of the pt called for by the note and at 7850 chs I found the remains of the old sec on 1 lks S and 19 lks E of the pt called for by the note; therefore I continue my line east and find no part of the north bdy in alignment and that most of the corners partially or wholly obliterated - at the dist of 5 miles 78.80 chs I intersect the W bdy of Twp 15 NR 9 E, 59 lks S of the cor of Twp 15 and 16 N Rys 8 and 9 E - Therefore I deem it proper to retrace the N bdy and reestablish the

by road S.R. Mrs. Big -  
Thoms

cross at the original pts where  
Nov 6<sup>th</sup> 1902 at 7 a.m. limit  
I set off  $34^{\circ}44'$  on the lat arc  
and  $150^{\circ}29'$  on the decl arc  
and determine a true meridian  
with the solar at the end of Tps  
15 and 16 N Rgs 8 and 8 E -

Thence I run East on the  
N. side of sec 6 of Twp 15 N Rgs 8 E  
ascending to summit of Apache  
Maid Mountain -

225-

Summit of Apache Maid -

30.50

cross ravine 15 lbs wide course N E

31.26 -

Top of ridge 100 lbs wide base N E

38.81

True course  $N 89^{\circ} 57' E$   
well 3 lbs 50 of the  $\frac{1}{4}$  sec on pt  
which is marked with an old  
post in a very dilapidated  
condition so I proceed to re-  
establish the same at original  
pt by setting a wolfsain stone

Re Survey of Wdwy of Top 15 N Ry & E.  
Chain

2011088 ins 15 ins in the ground  
for  $\frac{1}{4}$  sec east Wdwy of on the N  
face - Where:

an oak 10 ins in diameter S 10° W.

231 lbs dist: Wdwy  $\frac{1}{4}$  53 B.T.

a juniper 15 ins in diam brs 75° W.

131 lbs dist: Wdwy  $\frac{1}{4}$  53 B.T.

True course of Chain 75° 22' 57" E  
From the Ch just established &  
run east descending rapidly.

25.19 Bottom of slope and ascend gradually.

32.19 Top of ridge brs N and S.

36.59 Pine tree 40 ins in diam.

39.84 Full 1/2 lbs of the faint remains of the  
course of line east-  
old one on which I find to be

nearly obliterated so I proceed to  
reestablish the same by setting a  
walpole stone 20 x 12 x 5 ins 15 ins  
in the ground for the end of run  
37, 6, 31 and 32 marked with 5 notches  
on the 2 and 1 notch on the W



G and S. R. Mt. - ariz -  
Chains

edges - Whittle:

a pine 24 ins in diam brs  $709^{\circ}E$

172 lbs dist: whd T 16 NRSE 532 BT

a pine 24 ins in diam brs  $566^{\circ}E$ :

164 lbs dist: whd T 15 NRSE 551 BT

a pine 20 ins in diam brs  $523^{\circ}W$

58 lbs dist: whd T 15 NRSE 56 BT

a pine 30 ins in diam brs  $731^{\circ}W$ :

215 lbs dist: whd T 16 NRSE 531 BT

Grand mountainous -

Soil, rocky & the note -

Timber cedar and pine & brush -

Mountainous land with

heavy timber or very dense

about 78.65 chains -

East on the N. side of Twp 15 NRSE

bet sec 5 and 32 over rolling onto

country through dense pine timber

crossed br NW and SE.

7. July  
 The Survey of Gravel Top 1500 ft & S.  
 Chain

- 13.53 Begin to ascend -
- 37.00 Summit of mesa -
- 40.07 The old  $\frac{1}{4}$  sec cor which I find in a very delapidated condition so I reestablish the same <sup>at original pt</sup> by setting a molypar stone 25x12x6 ins 15 ins in the ground for  $\frac{1}{4}$  sec cor west  $\frac{1}{4}$  on the N. face of house:  
 a juniper 30 ins in diam brs  $74^{\circ}20'W$ .  
 152 lbs dist. wood  $\frac{1}{4}$  582 BT.  
 a pine 22 ins in diam brs  $57^{\circ}W$ : 103 lbs dist. wood  $\frac{1}{4}$  55 BT.
- 19.50 Cross walk 10 lbs wide course N
- 30.91 E. end of canyon -
- 40.04 Fill 3 lbs S of the faint remains of the cor of secs 4, 5, 32 and 33 and I proceed to reestablish the same <sup>at original pt</sup> by setting a molypar stone 24x12x11 ins 18 ins in the ground for the cor of secs 4, 5, 32 and 33 west with

Band A. B. Mer Ariz -  
Chains

2 notches on the wand 4 notches  
on the edges. W. line:

a juniper 28 ins in diam brs  $N 76^{\circ} E$ :

49 lbs dist: whd T 16 NR 8 25 33 BT.

a pine 24 ins in diam brs  $S 15^{\circ} E$ :

110 lbs dist whd T 15 NR 8 25 41 BT.

a juniper 18 ins in diam brs  $S 53^{\circ} W$ :

25 lbs dist: whd T 15 NR 8 25 51 BT.

a juniper 28 ins in diam brs

$N 46^{\circ} W$ : 24 lbs dist: whd T 16 NR 8 25 32 BT.

True course  $N 89^{\circ} 57' E$  -

Band mountainous -

Sp. w. ch. 4 th. note

Timber cedar, pine and juniper -

Mountainous land heavily

timbered 80.13 chains -

East on the N. side of T. 15 NR 8

E - bet sec 4 and 33 over rolling

mountainous country through

heavy timber

Bed Survey of Nbdy of Sp 15 W Rg 5 E.  
Chains

- 3.45 gnarled tree 24 ins in diam
- 2286 Pine tree 20 ins in diam
- 24.10 Pine tree 20 ins in diam
- 35.30 Rocks Bluffs border of canyon -
- 40.13 Fall 6 lbs 5 of delapidated post  
which marks the  $\frac{1}{4}$  <sup>old</sup> except I  
reestablish same at original pt  
by setting a walpole 8x8x5 ins 12 ins  
in the ground for  $\frac{1}{4}$  ac cor mark  
 $\frac{1}{4}$  on the N face - NW corner  
a pine 20 ins in diam br 94600  
90 lbs dist. whd  $\frac{1}{4}$  533 B.T.  
a pine 18 ins in diam br 54802: 80  
lbs dist: whd  $\frac{1}{4}$  54 B.T.  
true course 989055'E -  
From this cor run east -
- 1490 cross mark 10 lbs wide course NE
- 1600 cross mark 20 lbs wide course NW
- 2680- Pine 30 ins in diam -
- 3600 Summit of mesa -
- 39.91 Fall 5 lbs 7/8 the remain of the old



Grand S. B. Mar ary -  
Chains

car of sees 3, 4, 33 and 34 and  
reestablish same at original pt  
by setting a molpau stone 28 x 16  
x 8 ins 21 ins in the ground for  
the car of sees 3, 4, 33 and 34  
Wht with 3 notches on the E and  
3 notches with the Wedges - Whence  
a pine 28 ins in diam bcs  $N 42^{\circ} E$ :  
73 lbs diet: Wht T 16 NR 82534 RT.  
a pine 26 ins in diam bcs  $S 12^{\circ} E$ :  
226 lbs diet: Wht T 15 NR 8253 RT.  
a juniper 28 ins in diam bcs  $S 41^{\circ} W$ :  
87 lbs diet: Wht T 15 NR 8254 B.T.  
a pine 26 ins in diam bcs  $N 46^{\circ} W$ :  
222 lbs diet: Wht T 16 NR 82533 RT.  
True course  $389^{\circ} 2' E$ . 52  
Grand mountainous -  
Soil, very 4th rate  
Fruit - pine, cedar and juniper -  
Mountainous land heavily timber  
feed 8000 chains -

Re-survey of N. d. of Twp 15 N. R. 8 E.  
 Plains

- East on the N. d. of Twp 15 N. R. 8 E.  
 85 bet sec 8 and 34 over  
 mountainous country through  
 heavy pine timber descending  
 foot of slope and ascend -  
 7.52 Top of ridge bet N and S.  
 2900  
 3125 Cross wash 20 lbs wide course SW.  
 40.07 Fall 5 lbs of the old  $\frac{1}{4}$  sec  
 which is an old post in a  
 decayed and dilapidated condition  
 so I proceed to reestablish the  
 same at the original pt by  
 setting a molysic stone 22x12x6 ins  
 15 ins in the ground for  $\frac{1}{4}$  sec  
 on  $\frac{1}{4}$  sec in the N. of W. corner  
 a gypsum 46 ins in diam bet 74° 3' W  
 131 lbs dist:  $\frac{1}{4}$  sec 534 D.T.  
 a pine 17 ins in diam bet 37° 3' W. 42  
 lbs dist:  $\frac{1}{4}$  sec 53 D.T.

Point S. B. Mar Ariz

Stans

True course  $N89^{\circ}50'E$ .

From this in drum east ascending

793 Summit of mesa-

24.00 cross wash 50 lbs wide course SW.

4015 Fell 6 lbs 5 of the old engines  
2, 3, 34 and 35 which I find to be  
in a very dilapidated condition  
so I proceed to reestablish the  
same by setting a molpas stone  
18 1/2 x 6 ins 12 ins in the ground  
for the engines 2, 3, 34 and 35  
marked with 2 notches on the E  
and 4 notches on the W edges  
Whence:

a pine 22 ins in diam bro  $N19^{\circ}E$ : 46

lbs dist. marked T16  $NRSE$  35 B.T.

a pine 30 ins in diam bro  $S43^{\circ}E$ :

101 lbs dist. marked T18  $NRE$  52 B.T.

a pine 30 ins in diam bro  $S10^{\circ}W$ :

141 lbs dist. marked T15  $NRE$  31 B.T.

a pine 28 ins in diam bro  $N42^{\circ}W$

Re Survey of Nbdy of Tp 15 N R 8 E.  
 Chain

63 lbs dist. mhd T. H. W. 58437  
 True course  $N 89^{\circ} 56' E$ .

Land, mountainous -

Soil, rocky 4th rate

Timber, pine and juniper -

Mountainous land heavily

timbered 80.22 chains.

Nov 6th 1902

Nov 7th 1902 at 9 a.m. cut  
 a cut of 34044' on the lat arc  
 and 15057' on the decl arc  
 and determine a true meridian  
 with the solar at the cor of  
 sec 2, 3, 34 and 35. Then drive  
 east on the Nbdy of Tp 15 N R 8 E  
 bet sec 2 and 30 over onto  
 country through heavy pine timber.

19.73

pine tree 36 ins in diam.

24.85

Pine tree 26 ins in diam.

28.00

Summit of ridge bet N and S.



Grand A. R. Mus ariz -  
 Chanis

- 40.20 Fall 15 lbs of the old  $\frac{1}{4}$  ac cor  
 pt which I find to be decayed  
 | and in a delapidated condition -  
 So I reestablish the same at  
 the original pt by setting a  
 molgais stone 15 x 12 x 6 ins 12 ins  
 in the ground for  $\frac{1}{4}$  ac cor  
 mark  $\frac{1}{4}$  on the N face. Whence:  
 a pine 12 ins in diam. Az. N 46° E:  
 114 lbs dist: mark  $\frac{1}{4}$  535 B.T.  
 a pine 24 ins in diam. Az. 572° W:  
 116 lbs dist: mark  $\frac{1}{4}$  52 B.T.  
 True course 589° 45' E -  
 From this on I run east declivity
- 1515- W brink of canon -
- 2100 Bed of canon, 100 lbs wide course SW.
- 3060 cross some canon 100 lbs wide course SW.
- 3970 Fall 28 lbs 5 of the old cor all 1/2  
 True course N 89° 36' E  
 35 and 36 which I find in a very  
 delapidated condition so I reestablish  
 - look same by setting a

The Survey of Nbdy of Twp 180 N 8 E:  
 chains

Malpais stone 26 x 14 x 16 ins 18 ins  
 in the ground for the corner  
 1, 2, 35 and 36 marked with 1 notch  
 on the 2 and 5 notches on the W  
 edges - as here:

a pine 30 ins in diameter N 71° E:  
 153 lbs dirt: marked T 1671 R 8 E S 36 B T

an oak 10 ins in diameter S 56° E:

115 lbs dirt: marked T 1571 R 8 E S 11 B T

a pine 30 ins in diameter S 26° W:

105 lbs dirt: marked T 1871 R 8 E S 2 B T

a pine 10 ins in diameter N 75° W:

94 lbs dirt: marked T 1671 R 8 E S 35 B T

land mountainous -

Soil, rocky & the soil -

Timber pine and oak

Mountainous land heavily

timbered 79.70 chains -

East on the Nbdy of Twp 180 N

Grand S. R. Mrs. Ariz  
Claims

R. S. E. bet nos 1 and 36 over mt  
country through very heavy pine  
timber -

1.15 - cross wash 10 lbs wide course NW.

8.75 - summit of mesa -

40.00 - Fell 24 lbs S of the old  $\frac{1}{4}$  sec cor  
true course  $N 89^{\circ} 39' E$   
which I find to be decayed

and in a very delapidated  
condition so I proceed to re-  
establish the same <sup>at original pt</sup> by setting

a molpas stone 28 x 18 x 6 ins 2 ins

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

sub  $\frac{1}{4}$  on the N. face - where:

a pine 18 ins in diam bet  $N 60^{\circ} W$

50 lbs dist: sub  $\frac{1}{4}$  S 36 D. T.

a pine 24 ins in diam bet  $S 5^{\circ} W$ .

46 lbs dist: sub  $\frac{1}{4}$  S 113 T.

Thence east -

4.15 - cross wash 10 lbs wide course NW.

8.75 - summit of ridge bet nos 1 and 36

40.00 - Fell 14 lbs S of the old cross of



Re Survey of 2 sides of Top 15 N Rgs 8 E.  
Chain

True course of line  $N 89^{\circ} 48' E$ .  
Tops 15 and 16 N Rgs 8 and 9 2x  
which I found to be an old  
decayed post in a very dilap-  
-idated condition so I proceed  
to reestablish this cor at the  
original pt. by setting a molasse  
stone 20 x 12 x 7 ins 15 ins in  
the ground for the cor of Tops  
15 and 16 N Rgs 8 and 9 E, marked  
with 6 notches on each edge;

Whence:

- a pine 30 ins in diam brs  $N 53^{\circ} E$ .  
122 lks dist. mark T 16 N R 9 E S 31 B.T.
- a pine 14 ins in diam brs  $S 54^{\circ} 15' E$ .  
92 lks dist. mark T 15 N R 7 E S 6 B.T.
- a pine 24 ins in diam brs  $S 46^{\circ} 15' W$ .  
72 lks dist. mark T 10 N R 3 E S 1 B.T.
- a pine 26 ins in diam brs  $N 71^{\circ} 15' W$ .

138 lks dist. mark T 16 N R 8 E S 36 B.T.  
True course of line  $N 89^{\circ} 48' E$ .  
And rolling mts -



Grand - S. P. Mer Ariz.  
Chains

Soily rocky & the rot -

Timber dense pine and dense  
pine underbrush -

Rolling mountainous land  
with dense pine timber  
and dense pine underbrush

80.02 Chains -

Nov 9th 1902

Nov 7th 1902: I set off  $16^{\circ} 03' 47''$ <sup>3</sup>  
the decl arc; and at  $12^{\text{h}} 00^{\text{m}}$   
and  $30^{\circ}$  by my watch observe  
the sun on the meridian  
and obtain on the lat arc  
the reading  $34^{\circ} 44'$  which is  
the lat nearly -

The mag-bearing of the true  
meridian on Nov 7th 1902  
at 2 P.M. at the N.E. cor of  
T 15 N R 8 E I found to be

$N 14^{\circ} 28' W$ : The angle thus  
determined, reduced by the  
table on page 100 of the  
manual gives the mean  
magnetic declination  $14^{\circ} 31.4' E$ .

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Resurvey of the E Ady of Twp 15 NR 5 E

Preliminary to commencing the subdivisions of this township I run south on a blank line on the E Ady of sec 1; at 40 chains I find the  $\frac{1}{4}$  sec cor 1.17 chains N and 3 lks S, and at 80.00 chs I find the sec cor  $\frac{1}{4}$  lks N and 8 lks W; therefore I continue my line I find in part of the E Ady in alignment and that many of the cor are nearly obliterated at the dist of 3 miles 7856 chs I intersect the E and W line 97 lks E of the cor sec 24, 25 19 and 30 on the W Ady of Twp 15 NR 5 E which I find to be an old grant in a very dilapidated condition - Hence I deem it best to retrac

Grand S. R. Mer. Mer. -  
~~Cham~~

The S. boundary of Twp 15 N R 8 E and  
 reestablish the corner - Hence  
 Nov 5th 1902 at 7 a.m. sun  
 to set off  $34^{\circ}44'$  on the lat  
 line and  $16^{\circ}14'30''$  S on the lat  
 line and determine a true mer-  
 idian with the solar alt  
 The cor of Tps 15 and 16 N Rys  
 8 and 5 E as hitherto de-  
 scribed & hence I run  
 on the S. boundary of Twp 15 N Rys 8 E  
 bet nos 1 and 6 over rolling  
 mesa through heavy pine timber -

31.57

Pine tree 24 ins diameter -

38.83

Well below of the pt of the old  
 $300^{\circ}03'2''$  true course of line -  
 $\frac{1}{4}$  ac in  $\times$  which I find to be  
 decayed so I proceed to reestablish  
 at original pt  
 the same  $\times$  by setting a  
 granite stone  $22 \times 14 \times 8$  ins 15  
 ins in the ground  $\frac{1}{4}$  ac



The Survey of E Edge of Top 15 NR 8 E.  
Chains

at cor marked  $\frac{1}{4}$  on the W face  
Whence:

a pine 34 ins in diam brs N16° E.

75 lbs dist. marked  $\frac{1}{4}$  56 B.T.

a pine 18 ins in diam brs N73° W.

121 lbs dist. marked  $\frac{1}{4}$  51 B.T.

~~True course 300° 07' W.~~

From this cor I run South  
descending slope

22.75 - cross wash 50 lbs wide course SW

30.00 Summit of slope -

40.00 Bell 8 lbs E of the old cor of sec  
True course 300° 07' W of  
6, 7, 1 and 12 which I find

to be in a very delapidated  
condition so I proceed to re-  
establish the same <sup>at original pt.</sup> by setting  
a molypais stw. 20x12x8 ins 15  
ins in the ground for the cor  
of sec 6, 7, 1 and 12 marked with 1  
notch on the N and 5 notches  
on the S edges - Whence:

Grand J. R. Merzig -  
Chains

a pine 36 ins in diameter N 18° E:

119 lbs dist: marked T 15 N R 9 E 56 B T.

a pine 32 ins in diameter S 16° E:

50 lbs dist: marked T 15 N R 9 E 37 B T.

a pine 28 ins in diameter S 67° W:

47 lbs dist: marked T 15 N R 9 E 512 B T.

a pine 36 ins in diameter N 44° W:

110 lbs dist: marked T 15 N R 8 E 51 B T.

Grand rolling into -

soil, rocky 4th note.

Timber dense pine -

Rolling mountainous land

with very dense pine timber

78-89 Chains -

South on the S edge of T 15 N R

8 E set sec 12 and 7 over rolling

mass through dense pine timber

40.05 -

Feb 25 the 29 the old  $\frac{1}{4}$  sec corner  
true course  $30^{\circ} 21' W$   
which spindle nearly obliterated

Recovery of 2 fdy of Tp 15 N 85  
Chains

so I proceed to reestablish the same at the original pt by setting a molpairstone 20x14x6 ins 15 ins in the ground for  $\frac{1}{4}$  sec cor mark  $\frac{1}{4}$  on the W face  
Whence -

a pine 38 ins in diam brs 347°E:

40 lbs dist: mark  $\frac{1}{4}$  5713T

a pine 25 ins in diam brs 569°W:

108 lbs dist: mark  $\frac{1}{4}$  51213T

3053

Pine tree 30 ins in diam

4003

Fell 23 lbs W of the old cor of  
True course 50° 20'E.  
sec 12, 13, 7 and 18, which I find  
to be nearly obliterated so I  
reestablish the same by setting  
a molpairstone 20x14x8 ins 15  
ins in the ground for the cor  
of sec 12, 13, 7 and 18 mark with  
2 notches in the Wedge and 4 notches  
in the S edges - Whence:

Grand S. R. Mt. Ariz -  
chain

a pine 26 ins in diameter N12°E:

184 lbs dist: wind T15 NR 925/8 BT

a pine 26 ins in diameter S73°E:

64 lbs dist: wind T15 NR 925/8 BT

a pine 34 ins in diameter S52°W:

86 lbs dist: wind T15 NR 925/8 BT

a pine 38 ins in diameter N31°W:

56 lbs dist: wind T15 NR 925/8 BT

Grand rolling mts -

Soil, rocky & the note:

Timber dense pine -

Rolling mts land with dense

pine timber 8008 chain -

South on the e. side of the top bet

secs 13 and 18 over rolling mts

through dense pine timber -

26.00 Pine tree 30 ins in diam -

33.10 cross wash 10 lbs wide course S.

38.72 cross wash 20 lbs wide course E



Be Survey of E. side of Top 15 MG 85.

Chains

True course of line  $30^{\circ}21' W$  -

4003

Well 25 lbs E of the old  $\frac{1}{4}$  sec cor,  
which I find to be nearly  
obliterated so I proceed to reestab-  
lish the same at original pt  
by setting a molpauis stone  $22 \times 14 \times 10$   
ins 15 ins in the ground for  $\frac{1}{4}$  sec  
cor west  $\frac{1}{4}$  in the W face. At back  
a pine 14 ins in diam brs  $N 64^{\circ} E: 43$   
The dist: west  $\frac{1}{4}$  518 BT.  
a pine 30 ins in diam brs  $N 37^{\circ} 30' W$ :  
32 lbs dist: west  $\frac{1}{4}$  513 BT.

8000

From this cor I run a through  
very dense pine timber -

4003

Well 14 lbs E of the old cor of sec  
True course  $300^{\circ} 12' W$  -  
18, 19, 13 and 24, which I find to  
be nearly obliterated so I proceed  
to reestablish the same at the  
original pt by setting a molpauis  
stone  $18 \times 14 \times 8$  ins 12 ins in the ground  
for the cor of sec 18, 19, 13 and 24

Hand A. R. Mersey -  
Chains

wood with 3 notches on the N and  
S edges - where:

a pine 33 ins in diam brs 760°E:

71 lbs dist: wood T 15 N R 9 E 5 18 B.T.

a pine 34 ins in diam brs 586°E:

144 lbs dist: wood T 15 N R 9 E 5 19 B.T.

a pine 34 ins in diam brs 565°W:

101 lbs dist: wood T 15 N R 8 E 3 24 B.T.

a pine 16 ins in diam brs 749°W:

88 lbs dist: wood T 15 N R 8 E 5 13 B.T.

of and mountainous -  
Soil rocky 4th set.

Timber dense pine

Rolling mountainous land with  
very dense pine timber 8006 Chas.

South on the E side of the 5<sup>th</sup> set  
over 15 and 24 over rolling into  
land through dense pine timber  
descend -

Re-survey of E side of Tp 15 N R 58 E  
Chains

- 13.40 N. brink of cañon -
- 15.00 Bed of cañon 150 lbs wide course W.
- 30.55 Summit of mesa -
- 34.10 Pine tree 14 ins in diam.
- 37.53 Fall 10 lbs W of the old  $\frac{1}{2}$  sec cor  
True course  $209^{\circ}09'$   $\frac{1}{2}$  E  $\frac{1}{2}$  N  
which I find to be in a bad  
condition and almost obliterated.  
So I proceed to reestablish the  
same by setting a molpas stone  
24 x 12 x 6 ins 15 ins in the ground  
for  $\frac{1}{2}$  sec cor and  $\frac{1}{2}$  on the W face.  
Whereas:  
a pine 20 ins in diam br  $736^{\circ}06'$   
63 lbs dist: mark  $\frac{1}{4}$  519 B.T.  
an oak 12 ins in diam br  $559^{\circ}00'$   
43 lbs dist: mark  $\frac{1}{4}$  524 B.T.  
From this cor I run a descending  
6.07 cross mark 50 lbs wide course W.  
19.57 Top of ridge br E and W.  
35.40 cross mark 10 lbs wide course W.

Land S.R. Mer. Ariz -  
 Davis

#804

Well 2 lbs ~~W~~ of the old engines 24  
 True course  $50^{\circ} 8' E$  -  
 25, 19 and 30, which I find to be  
 nearly obliterated so I proceed to  
 reestablish the same at the  
 original pt by setting a molpau  
 stone  $20 \times 16 \times 8$  ins 15 ins in the  
 ground for the engines 24, 25, 19  
 and 30, with 2 notches on  
 the S and 4 notches on the N  
 edges. Whence:

agrine 34 ins in diameter  $76^{\circ} 8' E$ :

95 lbs dist: marked T 15 N R 7 E 51 B.T.

agrine 22 ins in diameter  $33^{\circ} 0' E$ :

31 lbs dist: marked T 15 N R 9 E 33 B.T.

agrine 24 ins in diameter  $56^{\circ} 5' W$ :

44 lbs dist: marked T 15 N R 2 E 20 B.T.

agrine 20 ins in diameter  $74^{\circ} 0' W$ :

35 lbs dist: marked T 15 N R 8 E 24 B.T.

of and rolling into.

Soil rocky 3 rd and 4 th note



Continuation of E. side of Tp 15 N R 8 S:  
 chains

Timber dense pine-

Rolling mountainous land with  
 very dense pine timber 79.97 chains.

Nov 8<sup>th</sup>, 1902

Nov 8<sup>th</sup> 1902; I set off  $16^{\circ} 27' 5''$  <sup>S</sup> on  
 the decl arc and at  $12^{\text{h}} 00' 10''$   
 by my watch which is 2 m  
 fast of L. m. t. observe the  
 sun on the meridian and  
 obtain on the lat arc the  
 reading  $34^{\circ} 40'$  which is the  
 lat nearly for the S.E. cor  
 of the parcel Tp 15 N R 8 S. E.  
 I also observe the  
 mean magnetic declination  
 at this point to be  
 $14^{\circ} 52' E$ .

Survey of Study of fract Top 15 NR 82:  
chain

Nov 3th 1902 at 7 a.m. I met  
I set off 34°40' on the lat arc and  
16°32' S. on the decl arc and  
determine a true meridian with  
the solar at the cor of sec 24  
25, 15 and 30 on the Study of Top  
15 NR 82 as heretofore described  
Thence I run West on a sectional  
correction line as per special  
instructions, on the Study of  
the fract Top 15 NR 82 bet sec  
24 and 25 descending W slope -

38.50

cross track 50 ch wide course NE.

40.00

Set a wooden stake 20 X 14 X 8 ins 15  
ins in the ground for  $\frac{1}{4}$  sec cor NW 1/4  
 $\frac{1}{4}$  on the W face - whence:

a pine 50 ins in diam brs N 12° 02' 22.7

Obs dist:  $\frac{1}{4}$  S 24° 13' T

a pine 48 ins in diam brs S 31° 02' 50

Obs dist:  $\frac{1}{4}$  S 20° 13' T.

Survey of the Study of fract  $T_5$  NR 8 E  
Chain

- 49.52 cross mark 70-lbs wide course N.
- 72.00 - cross road bet N E and S W.
- 80.00 set a malpais stone  $28 \times 14 \times 8$  ins 21  
ins in the ground for the cor gas  
23, 24, 25 and 26. mhd with 2 notches  
on the 5 and 1 notch on the 2 edges  
Whence:  
a pine 27 ins in diam bet N 26° E: 57  
the dist: mhd T 15 NR 8 E S 24 B.T.  
a pine 30 ins in diam bet S 21° E: 74 lbs  
dist: mhd T 15 NR 8 E S 25 B.T.  
a pine 14 ins in diam bet S 78° W: 44  
the dist: mhd T 15 NR 8 E S 26 B.T.  
a pine 24 ins in diam bet N 78° W: 44  
the dist: mhd T 15 NR 8 E S 23 B.T.  
land rolling into -  
fairly rocky 4th rate -  
Timber dense pine -  
Rolling mountainous land with  
very dense pine timber 8000 lbs

Grand S. R. Mer Ariz -  
Chambers

Went on the S. side of the peak  
Top 15' D By 82 hit sec 23 and 26  
then rolling into country through  
dense pine timber -

10.30

Top of ridge has N and S.

17.10

cross road has NE and S.W.

40.00

Set a molpaiis stone 18.1/0.18 ins

12 ins in the ground for  $\frac{1}{4}$  sec  
cor whd  $\frac{1}{4}$  on the N. face Whiner:

a pine 12 ins in diam has  $N 65^{\circ} W$ :

rod. the dist: whd  $\frac{1}{4}$  523 BT

a pine 30 ins in diam has  $S 38^{\circ} W$ :

194 the dist: whd  $\frac{1}{4}$  526 B.T.

43.75-

cross road has NW and SE -

68.30

cross wash. 30 lbs wide base NW.

80.00

Set a molpaiis stone 20.1/0.18 ins 10-  
ins in the ground for the cor of  
sec 22, 23, 26 and 27. whd with 2  
notches on the S and 2 notches on



Survey of Stoney of fract Top 15 N R 8 E:  
Chain

The edges - Whence:

a pine 16 ins in diameter N 18° E: 110

the dist: whd T 15 N R 8 E S 27 B.T.

a pine 24 ins in diameter S 65° E: 152

the dist: whd T 15 N R 8 E S 26 B.T.

a pine 28 ins in diameter S 36° W: 115

the dist: whd T 15 N R 8 E S 27 B.T.

an oak 10 ins in diameter N 44° W: 214

the dist: whd T 15 N R 8 E S 22 B.T.

of and mount ainous -

Soil, rocky 2nd and 4th rows -

Timber dense pine -

Rolling mountainous land with

dense pine timber 82.00 Chain

West with the Stoney of the fract Top

15 N R 8 E bet sec 22 and 27 ascending

slope through dense pine timber

3.50

Top of slope -

400

Set a molpine stone 18 x 12 x 12 ins 12

G and S. R. Murray -  
Chairs

ins in the ground for  $\frac{1}{4}$  sec cor  
mtd  $\frac{1}{4}$  on the N face. Whence:

a pine 30 ins in diam brs  $759^{\circ}5$ :

92 lbs dirt: mtd  $\frac{1}{4}$  522 B.T.

a pine 34 ins in diam brs  $514^{\circ}2:70$

lbs dirt: mtd  $\frac{1}{4}$  527 B.T.

42.90 cross draw brs NE.

49.90 across dense pine timber -

59.90 Top of ridge brs N and S.

73.10 cross draw brs N and S.

80.00 set a vulcanite stone  $24 \times 18 \times 12$  ins 15.

ins in the ground for the cor of  
recs 21, 22, 27 and 28, mtd with 2  
notches on the S and 3 notches on  
the E edges - Whence:

a juniper 20 ins in diam brs  $507^{\circ}2$ :

124 lbs dirt: mtd T 15 NR 8 E 527 B.T.

a juniper 24 ins in diam brs  $741^{\circ}30'25$

340 lbs dirt: mtd T 15 NR 8 E 522 B.T.

a juniper 24 ins in diam brs  $556^{\circ}W$

Survey of a strip of front Top 15<sup>th</sup> R. 8<sup>th</sup> E  
Chains

255 lbs dist: unhd T 15<sup>th</sup> R 8<sup>th</sup> S 28 B.T.

a juniper 16 ins in diam bro N 27° W.

255 lbs dist: unhd T 15<sup>th</sup> R 8<sup>th</sup> S 28 B.T.

Ground notes -

Soil, rocky 3<sup>rd</sup> and 4<sup>th</sup> notes -

Timber, pine and juniper -

Notes land 8000 lbs. Heavily timbered

land 50 chains -

Nov 9<sup>th</sup> 1902

Nov 10<sup>th</sup> 1902 at 7 A.M. L.M.T.

Set off 34° 40' in the lat arc  
and 16° 45' 30" in the decl arc and  
determine a true meridian with  
the solar at the cor of arcs 21, 22  
27 and 28 on the strip of the  
front Top 15<sup>th</sup> R 8<sup>th</sup> E. Then I run  
West bet arcs 21 and 28 over rolling  
mountainous country through  
scattered juniper timber -

H and S. B. Murray -  
Draws

- 10.00 Top flow ridge bet H and S.
- 32.50 cross draw bet H and S.
- 40.00 Set a molpaio stone 20 X 12 X 10 ins 15 ins in the ground for  $\frac{1}{4}$  sec cor mtd  $\frac{1}{4}$  on the N face and I raise a mound of stone 2 ft base  $1\frac{1}{2}$  ft high W of the cor - Pto impracticable -
- 60.00 Top of ridge bet H and S.
- 80.00 Set a molpaio stone 22 X 16 X 8 ins 10 ins in the ground for the cor of sec  
 ✓ 20, 21, 28 and 29 mtd with 4 notches on the E and 2 notches on the S edge - Whence:  
 a ginyin 20 ins in diam. bet 331° 15' W  
 24 lbs dist. mtd T 15 N R S E S 29 13 T  
 and I raise a mound of stone 2 ft base  $\frac{1}{4}$  ft high W of the cor - Pto impracticable - sand rolling soil rocky 4th rate - Timber ginyin rolling into land with gathering timber 8000 lbs



~~Survey of a Study of Trail Top 15 NR, SE.~~  
 Chains

Met on the Study of the trail Top 15-  
 NR, SE set sees 20 and 29 over  
 rolling into country through scatter-  
 ing juniper timber.

2000 Top of ridge hrs NE and S.W.

4000 ✓ Set a molpai stone 20 x 18 x 8 ins

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

cor whd  $\frac{1}{4}$  on the N face - W. face:

a juniper 2 ins in diam hrs N30°W.

35 lbs dist. whd  $\frac{1}{4}$  52015.T.

a juniper 24 ins in diam hrs S70°E.

118 lbs dist. whd  $\frac{1}{4}$  52915.T.

8000 Set a molpai stone 20 x 12 x 8 ins

15 ins in the ground for the

cor gues 19, 20, 29 and 30. whd

with 3 notches on the E and 2

notches on the S edges - W. face:

a juniper 28 ins in diam hrs N25°E

240 lbs dist. whd T 15 NR 8 ES 2015.T.

a juniper 60 ins in diam hrs N66°W.

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Grand S.R. Madrigal

chains

321/100 dit: mhd T 152 R 82 S 19 B.T.

There being no other bearing trees  
I raise a mound of stone 2 ft base  
1 1/2 ft high W of the cor. Pits in-  
practicable -

Grand rolling mts -  
Soil, rocky & th. soil -

Timber scattering juniper  
Rolling mountainous land  
with scattering timber 80.00 chains

West on the S. side of the peak

Top 152 R 82 S 19 and 30 over  
rolling country through scattering  
juniper timber -

40.00

Set a mulpais stone 18x18x15 ins  
12 ins in the ground for 1/4 ac  
cor. set 1/4 on the N face  
I raise a mound of stone 2 ft base  
1 1/2 ft high N of the cor. Pits

Survey of S. Edge of tract Top 15 N R 8 E  
Chains

impracticable.

68.20 Top of ridge for N and S

77.83 Set a sand-pine stone 28 x 16 x 4 ins  
2 ins in the ground, at the in-

tersection of the line running  
S from the cor of Top 15 and 16  
N Rys 7 and 8 E with the line  
running West from the cor of sec  
24, 25, 19 and 30 on the S. Edge  
of Top 15 N R 8 E, (the two lines  
intersect at the dist of 2 miles 29.04

Chains S of the top cor of Top 15 and  
16 N Rys 7 and 8 E) for the cor of  
secs 24, 25, 19 and 30 on the W. Edge  
of Top 15 N R 8 E, with 2 notches  
on the S and 4 notches on the N  
edges - Whence:

a gunguis 24 ins in diam sec

9202: 186. the dist to cor of T 15 N R 8 E S 19 R 8 E

a gunguis 28 ins in diam no 546° W.

by and A.R. Mer Ariz -  
Chains

186. the dit: mhd T 18 NR 72525 B. 1.

azimut 26 nis in from hrs 742° W.

142. the dit: mhd T 15 NR 72524 B. 1.

and 2 mize a mound of tme 2 ft  
base 1 1/2 ft high W of the cov.

Pit impracticable -

Land rolling -

Soil, rocky 4th rate -

Timber, scattering juniper

Bolling land with scattering

juniper timber 77.83 chains

No 10 Th 1502



This Trp is rough and mountainous in the North and Eastern portions, rolling and mountainous in the South, central and Northwest, and in the South West it is rough and broken. The boundary lines pass over very heavily timbered country - Grass is very good, no water; and dense brush covers three fourths of the Trp.

James B. Eiseel  
Park W. Latimer  
U.S. Deputy Surveyor

Latitudes departures and Longs errors,  
 Days of 5p 15 72 By 8E 9 and 1 R. m. ✓

E and W days

Latitude	Distance	N	E	W
<del>50000</del> 08 E	38.83		.03	38.83
50000 W	40.06			.08
<del>50000</del> 21 W	40.05			.25
<del>50000</del> 20 E	40.03		.23	
<del>50000</del> 21 W	40.03			.25
<del>50000</del> 12 W	40.03			.14
<del>50000</del> 9 E	35.93		.11	
<del>50000</del> 8 E	40.04		.09	
W Long N	319.04	319.04		
Latitude		319.04	446	319.03

319.04

Continued  
N and S Days

Time Desig-	Distance	N	E	S	W
N Day 1	Carried over	319.04	0.46	319.03	0.83
N 89° 05' E	38.81	.03	38.81	<del>2.03</del>	
<sup>East</sup> N 89° 05' E	39.88		39.88	<del>0.01</del>	
Sect	40.09		40.09	<del>0.00</del>	
N 89° 05' E	40.04	.03	40.04	<del>0.03</del>	
<sup>55</sup> N 89° 05' E	40.13	.06	40.13	<del>0.06</del>	
<sup>58</sup> S 89° 05' E	39.91	<del>0.07</del>	39.91	.10	
<sup>56</sup> N 89° 05' E	40.07	.05	40.07	<del>0.05</del>	
<sup>N 89° 56' E</sup>	40.15	.05	40.15	<del>0.05</del>	
<sup>S 89° 45' E</sup>	40.00	<del>0.08</del>	40.00	.18	
<sup>38</sup> N 89° 05' E	39.70	.16	39.70	<del>0.28</del>	
<sup>39</sup> N 89° 05' E	40.02	.25	40.02	<del>0.24</del>	
<sup>58</sup> N 89° 05' E	40.00	.14	40.00	<del>0.14</del>	
S Day W					477.83

		319.81	479.26	319.31	478.66
Totals	478.81	<del>319.81</del>	478.81	<del>319.31</del>	<del>477.83</del>
Difference	477.83	0.34		319.31	
Error in Lat	<del>0.50</del>			00.58	
Error in Dep	<del>00.99</del>				

Convergence

~~0.34~~  
 479.76  
 478.66  
 1.10

error in Dep. 1.10 Error in Lat 0.50 lbs.

copied 5-  
11/20/10



LIST OF NAMES.

47

A list of the names of the individuals employed by James  
B. Grand and Park W. Ralston  
United States Deputy Surveyor, to assist in running, measuring, and  
marking the lines and corners described in the foregoing field notes of  
the survey of the western boundaries of fractional  
townships No 15 North Range  
6, 7 and 8 East.

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

W. W. Platt, Chainman.

R. M. Hot, Chainman.

\_\_\_\_\_, Chainman.

\_\_\_\_\_, Chainman.

R. L. Brooke, Axman.

\_\_\_\_\_, Axman.

H. S. Rothwell, Flagman.



FINAL OATH OF ASSISTANTS.

42

We hereby certify that we assisted Ernest and William  
United States Deputy Surveyor, in surveying all those parts or portions  
of the western boundaries of fractional  
Townships 15 North Ranges  
6, 7 and 8 East

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of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by 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 United States Surveyor-General for Arizona.

W. W. Platt ..... Chainman.

R. W. Hunt ..... Chainman.

..... Chainman.

R. L. Brooke ..... Chainman.  
..... Axman.

..... Axman.

H. S. Bellwell ..... Flagman.

Subscribed and sworn to before me this 10<sup>th</sup> day  
of December, 1902

C. W. Ferguson

Notary Public.

[SEAL.]

My Commission expires April 16, 1903.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

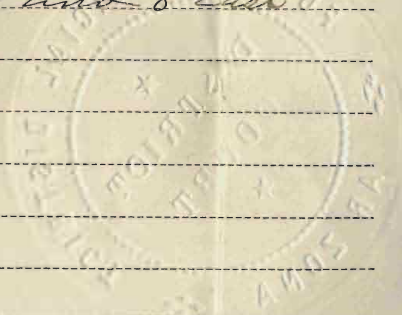
49

~~we~~ *we* ~~James B. Girard & Paul W. Lattin~~, United States Deputy Surveyors do solemnly swear that in pursuance of a contract received from *Hugh H. Price*, United States Surveyor-General for Arizona, bearing date of the *thirtieth*

day of *June*, 1902, <sup>*we*</sup> ~~I~~ have well, faithfully, and truly, in <sup>*our*</sup> ~~my~~ own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona, the Manual of Surveying Instructions, and the laws of the United

States, surveyed all those parts or portions of the *alterior* boundaries of <sup>*Fractional*</sup> ~~the~~ *townships No. 13 - North Ranges 6, 7 and 8 East*

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of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by <sup>*us*</sup> ~~me~~ and under <sup>*our*</sup> ~~my~~ direction; and <sup>*we*</sup> ~~I~~ do further solemnly swear that all the corners of said survey have been established and perpetu-

5

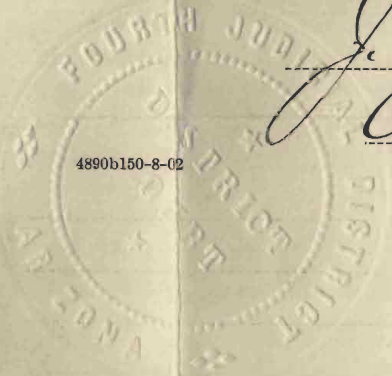
ated in strict accordance with the Manual of Surveying Instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific manner described in the field notes, and that the foregoing are the TRUE field notes of such survey; and should any fraud be detected <sup>we</sup> I will suffer the penalty of perjury, under the provisions of an act of Congress approved August 8, 1846.

*James B. Girard*  
*Park W. Catimer*

U. S. Deputy Surveyor.

Subscribed and sworn to before me this 10<sup>th</sup> day of December, 1902

*J. M. Watts*  
*Clerk Dist Court*



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