

P.

No-116

119

## INDEX DIAGRAM.

Township..... 12 41.

Range..... 28 8.

6	76	5	55-	4	42	3	27	2	14	1
75-	73	64	40	26	12					
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30	61	29	46	28	32	27	18	26	3	25
60	58	45-	31	17	2					
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Gila and Salt River, Arizona.

ARIZONA.

For description of instrument  
the preliminary out to see Book No. 1.

Survey commenced. 7127<sup>th</sup> 1882.

Survey completed 7129<sup>th</sup> 1882

No 116

Before proceeding to subdivide  
this I first made a change of  
5 minutes in the latitude arc  
of our solar compass. by  
subtracting same from the reading  
previously given; and at noon  
verified and corrected same  
by observation on the sun.  
I also further tested instrument  
by reversing.



## T12.N.R 28 E G. &amp; S R M

sh-

From the ~~stake~~ cor to sec <sup>12.</sup>  
 35<sup>and</sup> 36 on the S Bdry T<sup>h</sup>.  
 recently re-established by me  
 Iron.  
 North bet. sec's 35<sup>and</sup> 36  
 on 14° 08' E

Across mesa

40.00

Set a Larc Stone 12 x 10 x 8 in  
 8 in in the ground for  
 1/4 sec cor marked 1/4 on N  
 face and raised a mound  
 of stone all around. Pile  
 impracticable

80.00

Set a Larc Stone 16 x 12 x 6 in  
 10 in in the ground for the cor  
 25:26. 35<sup>and</sup> 36. marked with  
 1 notch on S<sup>and</sup> E edges and  
 raised a mound of stone  
 all around. Pile impracticable  
 Lined. Rolling mesa

## T12, N. R 28 E G. &amp; S R M

chs.

Soil ~~Rocky~~ 8<sup>th</sup> sale -  
 Timber. Scatter scrub below

East on a random line bet-  
 sees 25<sup>th</sup> and 36.

La. 144. 08' E

Our mesa

40.00 Set temp 1/4 sec cor.

48.50 To edge of mesa bars N + S  
 and descend, abruptly

80.58 Intersect E Biry Sp 68 lb  
 S of cor 20 sees 25, 30, 31<sup>th</sup> 36.  
 which is.

A Post 4 is square set former in  
 the ground, properly marked  
 and notched with pits dug  
 in each see 6 1/2 ft dist and  
 mound of earth raised around  
 post.

## T12.N.R 28 E G. &amp; S R M

Chs

- Three Iron  
S. 89.32' W on a true line let  
see's 25<sup>and</sup> 36 same as
- 40.29 Set a Basalt stone 14x10x8 ins  
9 ins in the ground for 1/4 sec cor  
marked 1/4 on N face and raised  
a mound of stone alongside  
It's impracticable
- 80.68 To cor to see's, 25<sup>and</sup> 36.35.  
Land. Broken mesa  
Soil, 3rd. rare  
Fence. Scatt 6 to 8

North let-see's 25<sup>and</sup> 26  
la 140.08'E

Across mesa

- 80.00 To edge of mesa bears N 60° E and  
S 60° W. and descend abruptly
- 40.00 Set a Lava Stone 14x10x8 ins



## T12.N.R 28 E G &amp; S R M

chs.

80,000

axis in the ground for  $\frac{1}{4}$  sec  
 cor marked  $\frac{1}{4}$  on W face and  
 raised a mound of stone along it  
~~its imp & still well~~  
 Set a post 4 ft. long 4 ins. square, with marked  
 stone, 12 ins. in the ground for Cor, to Secs,  
 23-24-25-26 marked T. 12 N. S. 24 on  
 N. E. R. 28 E S. 25 on S. E, S, 26 on  
 S, W, and S, 23 on N, W, face, with 2 notch  
 es on S, and 1 notch on E. edges, dug  
 pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.  
 and raised a mound of earth 2 ft. high.  $4\frac{1}{2}$  ft.  
 base. around post.

Land. very broken mesa

Soil. 3<sup>rd</sup> rate

Timber South scrub cedar

East on a random line  
 bet. sec. 24 and 25

to  $14^{\circ} 08' E$

Ascending through scrub cedar

## T12.N.R 28 E G. &amp; S R M

chs

40.00 Set temp  $\frac{1}{4}$  sec cor  
 80.72 Intersect E Boring Sp 10 lks S  
 of cor to sec's 19-24 25<sup>th</sup> 30.  
 which is

A sandstone 18+6 ins firmly  
 set in the ground & properly notated  
 with pits Bqni each sec  $5\frac{1}{2}$   
 fts dist and mound of earth raised  
 alongside.

Thence I run

S89°51'N on a true line bet-sec's  
 24<sup>th</sup> & 25. Same as

40.36. Set a post 3 ft. long 3 ins. diam with marked  
 stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec. Cor.  
 marked  $\frac{1}{4}$  S. on N face, dug pits 18 x 18 x 12  
 ins. E and W of post  $5\frac{1}{2}$  ft. dist. and raised  
 a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
 post. from which

A Cedar 10 ins diam bore S 22° E  
 30 lks dist, Marked  $\frac{1}{4}$  S.B.P.



## T12.N.R 28 E G. &amp; S R M

chs-

80.72 No other trees within limits  
G. cor to sees 23.24.25<sup>and</sup> 26

Low Rolling Hills  
Soil: 8<sup>th</sup> soil  
Fruit Scatter Cedar

North 41-sees 23<sup>and</sup> 24  
14: 08' E

Descending

23.00 Deep scarp trans N E. <sup>and</sup> S. W.  
and ascend.

4000 Seba Sandstone 14 ft 8 ft 8 in  
9 in in the ground for  
14 see cor marked 14 in W  
face and raised a mound  
of stone alongside. Pits  
impracticable.

7910 Spur 80 ft high trans E <sup>and</sup> W  
and descend.

## T12.N.R 28 E G &amp; S R M

chs

80.00 Set a sandstone 13 + 10 + 7 in  
 8 in in the ground for the  
 cor to sees 13.14. 28<sup>th</sup> 24,  
 marked with 3 notches on S and  
 1 notch on E edge. and raised  
 a mound stone alongside  
 It is impassable.  
 Land. Broken and rough  
 Soil; 8-10 ft Rocky  
 Timber. Scatt cedar

East on a random line bet.  
 sees 13<sup>th</sup> 24

to 14; 08. E

Ascending our broken land.

40.00 Set temp 74 see cor

80.24 Intersect E. Boundary of 42  
 lbs S of cor to sees 13-18, 19  
 and 24. which is

## T12.N.R 28 E G &amp; S R M

cls

A Sandstone  $14 \times 10 \times 6$  in set-  
firmly in the ground, properly  
notched with pits dug in each  
see  $5\frac{1}{2}$  ft. dist ~~and mound~~  
~~of earth raised~~ a mound of  
earth alongside.

Thence I run

S  $89^{\circ} 42'$  W on a true line  
bet sees 13 <sup>and 24</sup> same run

40.12 Set a Sandstone  $13 \times 10 \times 9$  in  
8 in in the ground for  $\frac{1}{4}$   
see cor marked:  $\frac{1}{4}$  on N  
face and raised a mound  
stone alongside. Pits imprac-  
ticable.

80.24 To cor to sees 13. 14. 23 <sup>and 24</sup>

Sand Broken <sup>and rough</sup>  
Soil, 8<sup>th</sup> run.

Thence. Salt Cedar



## T12.N.R 28 E G &amp; S R M

chs

North lat-sees 13<sup>th</sup> & 14

ba 140.08' S

Ascending gradually

13.00 Cross spur 80 ft high base  
of 13<sup>th</sup> N and Secured.40.00 Set a Sand<sup>st</sup> stone, 13 x 10 x 6 ins., 9 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
face, dug pits 18 x 13 x 12 ins. N and S  
of stone 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
1  $\frac{1}{2}$  ft. high 3  $\frac{1}{2}$  ft. base. alongside.80.00 Set a Sand<sup>st</sup> stone 24 x 14 x 4 ins  
18 ins in the ground for the  
cor to sec's 11, 12, 13<sup>th</sup> & 14.  
marked with 4 notches on  
S and 1 notch on E edges  
and raised a mound stone  
alongside. It's impracticable  
Sand. Mountains and  
broken  
Sail. 2<sup>nd</sup> & 3<sup>rd</sup> rail

## T12.N.R 28 E G. &amp; S R M

ch

Timber scattering Cedar

East on a random line  
bet. sees 12<sup>and</sup> 13  
at 14° 08' E

Ascending

46.00

Sat. temporary 1/4 sec cor

80.24

Intersect & Bring <sup>87</sup> 7 lbs  
south of our W sees 7.12  
13<sup>and</sup> 18. which is.

A Lava Stone 1077 mis fire  
set in the ground properly  
notched with pits dug in  
Each see and mound of  
earth raised, alongside.

Thinner Drum

S 89° 57' N on a true line  
bet. sees 12<sup>and</sup> 13. same m.

## T12.N.R 28 E G &amp; S R M

ch

H. 0.2

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor. marked  $\frac{1}{4}$  S. on  $\swarrow$  face, dug pits 18 x 18 x 12 ins. E and W of post 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth 1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base. around post.

80.24 To cor to sec's 11, 12, 13<sup>and</sup> 14  
Land. Mountainous  
Soil. 3<sup>rd</sup> row  
Timber. Scar- cedar

North to sec's 11<sup>and</sup> 12  
In 14<sup>th</sup>. 05' E

Descent gradually

40.00

Set a Sandstone 15' + 8' + 8' in  
10 in's in the ground for  $\frac{1}{4}$   
sec cor. marked  $\frac{1}{4}$  on  
W face and raised a mound stone  
along side pit inoperative



## T12.N.R 28 E G &amp; S R M

chs

77.80 Cross Guleh 5 lbs with 100  
 N 80° W. and ascend gradually  
 80.00 Set a sandstone 16 + 12 + 7 in  
 10 in in the ground for the  
 cor to sec 1.2. 11<sup>and</sup> 12. marked  
 with 5 notches on S. and  
 1 notch on E edges and  
 raised a mound above  
 along side, pits impracticable  
 Low. Rolling  
 Soil 2<sup>nd</sup> rate  
 Good grazing.

East in a random line not  
 sec 1<sup>and</sup> 12.

to 14° 10' E.

to ascend gradually.

24.60 Guleh 5 lbs with 100 S. 30° N. <sup>ch</sup>  
 Ascend.

## T12.N.R.28 E G &amp; S R M

chs

40.00

Set a trap 1/4 sec cor.

80.08

Intersect. P. Boundary Sp. 32 Ch  
N of cor to see 1.6.7.12, which  
is.

A Sandstone 12+6 is firmly set  
in the ground properly notated,  
with pits dug in each see 5 1/2

It did not mound of earth raised  
along set C.

Thence I run

N 89° 46' N on a true line but  
see 1 and 12 same run.

40.04

Set a Sandstone 15+12+5 is 10  
is in the ground for 1/4 sec cor  
marked 1/4 on N. face, and raised  
a mound stone alongside.

80.08

Pr. map marked  
to cor to see 1.2.11 and 12.

Land Rolling

Soil ext. rate. good grazing  
Gum. Scrub low on

## T12, N. R 28 E G. &amp; S R M

chs

North on a true line ht.  
see 1<sup>st</sup> & 2.

ba 14°. 05' E.

Descending over Rolling hills  
in scattering timber

40.00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for 1<sup>st</sup> S. E. Cor.  
marked 1 S. on N face, dug pits 18 x 18 x 12  
ins. W and S of post 5 1/2 ft. dist. and raised  
a mound of stone 1 1/2 ft high 3 1/2 ft base around  
post.

50.00

Leave timber land S<sup>th</sup> W.

94.00

Road bears N N<sup>th</sup> S. E. and  
ascends gradually.

113.86

Intersect 3<sup>rd</sup> Standard Parallel  
North 735-chs West of 1/4 sec cor  
on S. B. line see 3 S. recent  
re-established by me.

Set a post 4 ft long 4 ins  
square with marked stone



## T12 N. R 28 E G &amp; S R M

chs

12 ins in the ground for the  
 blowing box to see 1<sup>st</sup> and 2<sup>nd</sup> marked  
 C.C. T12 N. R 28 E on S.  
 S 1 on E and S 2 on W face  
 with 1 notch on E <sup>and</sup> 5 notches  
 on west edge. and pits  
 18 x 18 x 12 ins. S. E <sup>and</sup> W. of post  
 5 1/2 ft. dist; and raised a  
 mound of earth 2 ft high 4 1/2  
 ft base around post  
 Sand. Rolling  
 Soil; 2<sup>nd</sup> rate good grazing  
 Timber. Scrub Pine and  
 Cedar.

A P Johnson

Nov. 27<sup>th</sup> 1882

## T12.N. R 28 E G. &amp; S R M

cls

From the corner to see's 29.3.  
 34<sup>th</sup> 35 on the South Side  
 of Tp recently reestablished  
 by me. Inner  
 North to see's 34<sup>th</sup> 35  
 N 14° 00' E

Across meadow

40.00 Set a Basalt stone, 12 x 8 x 8 ins., 8 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on W  
 face, dug pits 18 x 18 x 12 ins. N and S.  
 of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 1 $\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

80.00 Set a Basalt Stone 12 x 10 x 10  
 ins, 8 ins in the ground for the  
 cor to see's 26. 27. 34<sup>th</sup> 35;  
 marked with 1 notch on S  
 and 2 notches on E edges and  
 raised a mound stone along  
 - side Pits impracticable

## T12.N.R 28 E G &amp; S R M

chs

Sand Broker Mesa  
 Sail; 2nd run.  
 Timber. Scatt cedar.

East on a random line bet.  
 sees 26<sup>and</sup> 35 -

by 14° 08' E

Ascending across mesa

39.50

Top of mesa has N N<sup>4</sup> W S E.  
 20 ft high ~~and~~.

40.00

Set temporary 1/4 sec cor

59.00

To edge of mesa has N 8<sup>4</sup> S W.  
 and descends abruptly.

79.65

Intersect. N<sup>and</sup> S line 53 lbs  
 N of cor to sees 25. 26. 35<sup>and</sup> 36  
 Thence down

N 89° 46' W on true line  
 bet. sees 26<sup>and</sup> 35 - same as

89.83

Set a Basalt Sliver 18 + 14 + 10 in



## T12.N.R 28 E G. &amp; S R M

cho

12 mi in the ground for  $\frac{1}{4}$  sec  
 cor. marked  $\frac{1}{4}$  on N face  
 and raised a mound stone  
 alongside. Pits impracticable  
 79.65- To cor to sec 25-26-55-26  
 Sand. Broken mesa  
 Soil, 8th row.  
 Timber. Scott Cedar

North lat-sec 26 <sup>and</sup> 27  
 2a 14° 08' E  
 15.00 edge of mesa <sup>E & W</sup>  
 40.00 Set a sandstone 13+13+10 mi  
 9 mi in the ground for  $\frac{1}{4}$  sec  
 cor. marked  $\frac{1}{4}$  on N face  
 and raised a mound stone  
 alongside. Pits impracticable  
 50.00 Set a sandstone, 16+8+5 mi  
 10 mi in the ground for the  
 cor to sec 22-23-26 <sup>and</sup> 27.

## T12 N. R 28 E G &amp; S R M

chs

marked pretty 2 notches on  
 S<sup>W</sup> & edges and raised a  
 mound of stone along side  
 Pits impracticable  
 Land. Mountainous  
 Soil: 8<sup>th</sup> soil.  
 Timber: Scattered Cedar

East on a random line bet.  
 sees 23<sup>rd</sup> & 24<sup>th</sup>

to 14: 18' S

Descending

27.00 Cross Gully 15-lbs wide to N.  
 N. and ascend,

40.00 Set trap 1/4 sec cor.

80.18 Intersect N<sup>W</sup> & S line 8 lbs  
 Soft cor to sees 23-24. 25<sup>th</sup> & 26

40.07 Thence down

S. 89° 57' W on a true line

## T12.N.R 28 E G &amp; S R M

chs

bet sees' 23<sup>and</sup> 26 same as

40.09

Set a Sand stone  $8 \times 10 \times 5$  ins.,  $\frac{1}{2}$  ins.  
in the ground for  $\frac{1}{4}$  See, Cor, marked  $\frac{1}{4}$ . on N  
face, dug pits  $18 \times 18 \times 12$  ins. E and W  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

80.18

To cor to see's 22 23. 26<sup>and</sup> 27  
Land. Mountainous  
Soil. Stony & full-  
Timber. Scat beas.

North bet see's 22<sup>and</sup> 23  
La  $14^{\circ} 08' E$

Over Broken land

40.00

Set a Sandstone  $14 \times 10 \times 8$  in  
9 ins in the ground for  $\frac{1}{4}$  see  
cor, marked  $\frac{1}{4}$  on N face  
and raised a mound stone  
alongside. It is impracticable



## T12.N.R 28 E G &amp; S R M

chs

80.00 Set a Sandstone 16 + 12 + 7 in  
 10 in in the ground for the  
 cor to see's 14, 15, 22<sup>nd</sup> and 23 marked  
 with 3 notches on Sand 2 notches  
 on E edge, and raised a mound  
 stone along side. It's impracticable  
 Sand. Mountains  
 Soil Stony 8<sup>th</sup> rail-  
 Timber: Scattering Cedar.

East on a random line  
 lat-see's 14<sup>th</sup> and 23  
 la 14.° 08' E

Ascending

18.00 Spur runs N<sup>th</sup> and S. and descend

37.60 Cross Gulch 5 lks mid to  
 N. 28° E and ascent

40.00 Set a temporary 1/4 sec cor

79.98 Intersect N<sup>th</sup> line 16 lks S.

## T12.N.R 28 E G. &amp; S R M

ch

of cor to sees 13. 14. 23 <sup>and</sup> 24  
 Thence down  
 S 89° 53' W. on a true line bet.  
 sees 14 <sup>and</sup> 23 same ca

39.99 Set a Sand stone, 18 x 15 x 8 ins., 2 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on ~~W.~~  
 face, dug pits 18 x 18 x 12 ins. S and W  
 of stone 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
 1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base. alongside.

79.98 To cor to sees 14. 15. 22 <sup>and</sup> 23.  
 Sand. Mountainous  
 Soil; 3<sup>rd</sup>. rate - good grazing.

North bet sees 14 <sup>and</sup> 15 -

by 14° 08' E

Descending over broken land

40.00 Set a Sandstone, 18 x 12 x 8 ins.  
 12 ins in the ground for  $\frac{1}{4}$  sec  
 cor marked  $\frac{1}{4}$  in W face

## T12.N.R 28 E G &amp; S R M

chs

80.00

and raised a mound stone  
 alongside. Pits impracticable  
 Set a sand stone  $\frac{1}{3} \times \frac{1}{2} \times 4$  ins, 8 ins. in  
 the ground for Cor, to Secs, 10. 11. 14 <sup>and</sup> 15 marked  
 with 4 notches on S. and 2 notches on E. edges,  
 dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft.  
 dist. and raised a mound of earth 2 ft. high.  
 4½ ft. base. alongside.

Soil. Broken  
 Soil. 2nd sac  
 Timber. Scrubb. cedar.  
 Good grazing

East on a random line to Secs  
 11 <sup>and</sup> 14.

to 140, 08' E

21.00

Ascending  
 Cross Spur 90 ft high bears  
 N <sup>and</sup> 8 and descend



# T12.N.R 28 E G & S R M

cls

- 40.00 Set temp  $\frac{1}{4}$  sec cor.
- 40.50 Cross creek 5 lks n. w. to  
N<sup>th</sup> <sup>9<sup>th</sup></sup> as usual
- 79.84 Intersect N<sup>th</sup> & line 23 lks  
N of cor to sec 11, 12, 13<sup>th</sup> & 14<sup>th</sup>  
Thence S. run.  
N 89.50' N. on a true line to  
sec 11<sup>th</sup> & 14<sup>th</sup>, same as,
- 89.92 Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec. Cor,  
marked  $\frac{1}{4}$  S. on N face, dug pits 18 x 18 x 12  
ins. E and N of post 5  $\frac{1}{2}$  ft. dist. and raised  
a mound of earth 1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base. around  
post. from which  
A cedar drive drain base N  
16 lks dist. Marked  $\frac{1}{4}$  S. B. S.  
79.84 To cor to sec 10, 11, 14<sup>th</sup> & 15<sup>th</sup>.  
Land, Mountainous  
Soil. 2<sup>nd</sup> run.  
Timber. Scattered cedar.

## T12N. R 28 E G &amp; S R M

chs

North ht. sec's 10 <sup>and</sup> 11Variation  $14^{\circ} 08' E$ 

Descending gradually.

29.00

To Little Colorado River.

60 lks wide to N.  $78^{\circ} E$  and  
ascend

40.00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec, Cor,  
marked  $\frac{1}{4}$  S. on W face, dug pits  $18 \times 18 \times 12$   
ins. N and S of post  $5\frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft, high.  $3\frac{1}{2}$  ft. base. around  
post.

73.50

Little Colorado River. to N  
 $80^{\circ} N$ . 60 lks wide.

80.00

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor, to Secs,  
 $2 \cdot 3 \cdot 10 \frac{2}{4} 11$  marked T.  $12 N$  S. 2 on  
N. E. R. 288 S. 11 on S. E, S, 10 on  
S, W, and S, 3 on N, W, face, with 6" notch  
on S, and 2 notch on E. edges, dug  
pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.  
and raised a mound of earth 2 ft, high.  $4\frac{1}{2}$  ft.  
base. around post.

T12.N.R 28 E G & S R M

chr-

From this corner a House  
bare S 31° N. 4.50 chs dist  
Long Rolling  
Soil; 2 ~~und~~ <sup>nd</sup> sale good grazing  
No timber

Fast on a random line  
lat-secs: 2 <sup>avg</sup> 11.

Lat 14° 08' E

Ascending gradually.

3.00 House trees N 1.5'0 obs. rest.

40.00 Set a temp  $\frac{1}{4}$  sec can

44.00 Ridge runs NW and S. E. 50 ft high

78-20 Gulch 5-lks more to N.W.  
and ascend.

29.58 Intersect 21<sup>and</sup> S line 9 lks  
S of cor to sec's 12, 11<sup>and</sup> 12,  
Thence S on



## T12 N. R 28 E G &amp; S R M

chs

S 89° 56' W on a true line  
 let see's 2<sup>nd</sup> 11 same ea

39.79. Set a post 3 ft. long 3 ins. diam with marked  
 stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec, Cor.  
 marked  $\frac{1}{4}$  S. on N face, dug pits 18 x 18 x 12  
 ins. S and W of post 5 $\frac{1}{2}$  ft. dist. and raised  
 a mound of earth 1 $\frac{1}{2}$  ft, high. 3 $\frac{1}{2}$  ft. base. around  
 post.

79.58 To cor to see's 2, 3, 10<sup>th</sup> 11  
 Land. Gently Rolling.  
 Soil. 2<sup>nd</sup> sale -  
 Good grazing

North on a true line let see's 2<sup>nd</sup> 3.

va 140. 08' E

Descending gradually.

15.00 Little Colorado river 40 lks  
 west to N. E.

40.00 Set a sand stone, 12 x 8 x 6 ins., 8 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
 face. dug pits 18 x 18 x 12 ins. N and S

## T12.N.R 28 E G. &amp; S R M

chs

of stone 5½ ft. dist. and raised a mound of earth  
1½ ft. high. 3½ ft. base. alongside.

- 48.00 Little Colorado River 40  
chs wide to N.W.
- 38.00 Little Colorado River 40 chs  
wide to N 15° E.
- 59.80 House base N 53° E. 12 chs dist  
and a House base N 59¼° E. 36 chs dist.
- 112.80 Intersect 3rd Standard <sup>Parallel</sup> North  
6.91 chs west of the Standard ¼ sec  
cor on S Biry <sup>see</sup> 34. reenter  
re-established by me.  
Set a Sandstone 12+12+5 uls  
8 ins; in the ground for 66.  
Closing corner to sees  
2. 3. marked C. C. with 2  
notches on 8 and 4 notches  
on Wedges. Dug pits 18+18+12  
ins. S W. and S of stone 5½ ft.  
dist and raised a mound

## T12.N.R 28 E G &amp; S R M

ch's

of earth 2 ft high  $4\frac{1}{2}$  ft.  
base alongside.

Land. Rolling  
Soil; 2<sup>nd</sup> rate  
Good. grazing

I carefully examined the  
adjustments of my solar  
compass to day. Particularly  
the alidade and leveling  
apparatus and found  
them correct

G. M. Carson

Compassman

Nov 27<sup>th</sup> 1882.



## T12.N.R 28 E G. &amp; S R M

chs

From the cor to sec's 3-4, 33  
and 34 on the South Boundary  
Sp. recently re-established  
by me. I run  
North bet sec's 33 and 34.  
Ra 14° 08' E

Ascending broad valley.

40.00

Set a Sandstone 14 x 12 x 6 ins., 9 ins.  
in the ground for  $\frac{1}{4}$  Sec. Cor. marked  $\frac{1}{4}$  on W  
face, dug pits 18 x 18 x 12 ins. A and B  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

77.00

Leave valley from E and W

80.00

Set a Sandstone 24 x 12 x 6 ins  
12 ins in the ground for the  
cor to sec's 27-28, 33 and 34. marked  
with 1 notch on S and 3 notches  
on E edges, and raised a  
mound stone alongside.  
Pits impracticable.

## T12.N.R 28 E G &amp; S R M

chs

Lays Mountainous & Rolling.  
Soil, 2<sup>nd</sup> grade  
Gravel, Scattering bedrock  
Good Grazing

East on a random line hit sees  
27<sup>th</sup> 34.

to 1<sup>st</sup> 08' E

Ascending

40.00 Set a temp. Hit see cor

68.00 Top of mesa 300ft high bears N  
and S

80.36 Intersect N<sup>th</sup> & S line 43 lbs  
to few to sees 20.29.34<sup>th</sup> 35<sup>th</sup>  
Thence I run

S 89° 42' N on a true line. hit  
sees 27<sup>th</sup> 34. same on

40.18 Set a Sandstone 13 + 12 + 9 in

# T12.N.R 28 E G & S R M

chs

80.36

8 mi in the ground for 1/4 sec  
cor marked 14 on N face and  
raised a mound stone alongside.  
To cor to see 27, 28, 33 ~~33~~ 34  
Pits impracticable  
Low Mountains.  
Soil, 3<sup>rd</sup> rare Rocky.  
Timber, Scattering Person.

North 1/4 sec 27<sup>and</sup> 28  
La 14° 05' E

40.00

Ascending  
Set a Basalt Rock 16+12+7 mi  
10 mi in the ground for 1/4 sec  
cor marked 14 on W face, <sup>and</sup>  
raised a mound stone alongside  
Pits impracticable

80.00

Set a Basalt Rock 14+14+9 mi  
9 mi in the ground for the cor  
to see 21, 22, 27<sup>and</sup> 28, marked



## T12 N. R 28 E G &amp; S R M

chs

with 2 notches on S and 3  
notches on E edges and  
raised a mound stone along side  
Pit is impracticable  
Laid Monumentous  
Soll. 3<sup>rd</sup> rail: Roebur  
Timber Scattering Cedar

East on a random line bet-  
sees' 22<sup>nd</sup> & 27.

va 14<sup>th</sup> & 8' 8

Descending

40.00

86.08

Set temporary 1/4 sec cor  
Intersect N<sup>th</sup> S line 24 lks  
S of cor to sees 22 & 3. 26<sup>th</sup> & 27.

Thence Inne.

S 89° 51' N on a true line bet-  
sees' 22<sup>nd</sup> & 27. same va

## T12.N.R 28 E G &amp; S R M

chs

40.04

Set Sand Stone 14 + 8 + 8 in  
9 in in the ground for '14  
see cor. marked '14 on N face  
and raised a mound of stone  
along side. It's impracticable

86.08

To cor to see. 21. 22. 27 <sup>and</sup> 28

Sand Mountains

Soil 800' rare Rocky.

Timber Scattered Cedar.

North 14 sees 21 <sup>and</sup> 22

2a 10' 0' 5' 2

Descending abruptly.

26.00

Enter valley bears N <sup>and</sup> S

40.00

Set a Sandstone 13 + 13 + 9 in  
9 in in the ground for '14 see

cor. marked '14 on N face and  
raised a mound stone along side  
It's impracticable

## T12N. R 28 E G &amp; S R M

ch

77.50

Spring bears N 2.50 ch's dist

80.00

Set a sandstone 12 + 12 + 6 in

8 in in the ground for the  
ear to see 15 + 16 + 21<sup>and</sup> 22marked with 3 notches on  
S and E edges and raised a  
mound stone along side  
pits impracticable

and heavy,

Soil, 32<sup>nd</sup> row Rocker

Good grazing

East on a random line but  
see's 15<sup>and</sup> 22

La 14° 08' E

Descending gradually

13.10

Cross gulch 10 lbs with

to N 15° E. and ascend abruptly

38.00

Top of spur bro N<sup>and</sup> S 200



## T12.N.R 28EG &amp; SRM

cho

ft high <sup>and</sup> descend.

40.00

Set a trip 14 sec cor.

47.00

Cross creek 5 lbs wide

Go N 80 ft deep. <sup>and</sup> ascend

79.80

Intersect N <sup>and</sup> 8 line 8 lbsTo cor to see 14, 15, 22 <sup>and</sup> 23

Thence down

89:57' N on a true line

to see 15 <sup>and</sup> 22 same as

37.90

Set a sandstone 30 + 18 + 14 in

22 in in the ground for

14 sec cor. marked 14 in

N face and raised a mound  
stone alongside. Pts impracticable

79.80

To cor to see 15, 16, 21 <sup>and</sup> 22.Sand. Rolling <sup>and</sup> mountainous  
Soil, 2nd rate, Rocky.

Timber. Scattering cedars

## T12 N. R 28 E G &amp; S R M

cho

North bet-sees 15<sup>and</sup> 16  
 on 140, 08' Q

Descending

7.90

Little Colorado River. 50 lbs mark  
 C. B. <sup>and</sup> ascends gradually.

40.00

Set a ~~Sand~~ stone, 15 x 7 x 8 ins., ~~10~~ ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on W  
 face, dug pits 18 x 18 x 12 ins. N and S.  
 of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 1 $\frac{1}{2}$  ft. high. 3 $\frac{1}{2}$  ft. base. alongside.

80.00

Set a post 4 ft. long 4 ins. square, with marked  
 stone, 12 ins, in the ground for Cor, to Sees,  
 9.10.15 <sup>and</sup> 16 marked T. 12 N S. 10 on  
 N. E. R. 288 S. 15 on S. E, S, 16 on  
 S, W, and S, 9 on N, W, face, with 4 notch  
 es on S, and 3 notch es on E. edges, dug  
 pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.  
 and raised a mound of earth 2 ft, high. 4 $\frac{1}{2}$  ft.  
 base. around post.

Sand Rolling  
 Soil, 2<sup>nd</sup> row

## T12.N.R 28 E G &amp; S R M

Ch's

Good grazing  
 Timber Scattering cedar

East on a random line bet-  
 sees 10<sup>aw</sup> 15-

Var. 14° 18' E.

28.50 Road cross N<sup>aw</sup> S.

40.00 Int. temp 11 use cor

61.70 Little Colorado River 40 lbs mib  
 Co N. 13° E.

71.00 Cabin cross N. 3° 20' E. dist.

80.12 Intersect N<sup>aw</sup> S line 15-  
 lbs N of cor W sees 10. 11. 14<sup>aw</sup> 15-

Thence I run

N. 89° 53' N. on a true line bet-  
 sees 10<sup>aw</sup> 15 same m

40.00 Set a sand stone, 12 x 10 x 10 ins. 8 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
 face, dug pits 18 x 18 x 12 ins. E and N.  
 of stone 5 1/2 ft. dist. and raised a mound of earth



## T12.N.R 28 E G &amp; S R M

Chs

1 1/2 ft high 3 1/2 ft. base  
along side 2.8

50.12

Four trees 9.10.15. <sup>and 16</sup>

Land receiving

Soil, 2nd run - Good grazing

North lat-secs 9 <sup>and</sup> 10

In 141° 08' E

Ascending

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for 1/4 Sec. Cor, marked 1 S. on W face, dug pits 18 x 18 x 12 ins. N and S of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around post.

54.70

Cross Road bears N.W. <sup>and</sup> S.E.

57.20

Cross Road bears N.E. <sup>and</sup> S.W.

61.30

Cross Road bears N 20° N + S 20° E

69.53

Cross Road " N. 20 E + S 20° N

# T12.N.R 28 E G & S R M

chs

80.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor, to Secs,  
3.4. 9<sup>and</sup> 10 marked T. 12 N S. 3 on  
N. E. R. 28 S. 10 on S. E, S, 9 on  
S, W, and S, 4 on N, W, face, with 6 notch  
es on S, and 3 notch es on E. edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5½ ft. dist.  
and raised a mound of earth 2 ft, high. 4½ ft.  
base. around post.

Land Rolling hills  
Soil; 2nd cut  
Timber. Scattered cedar

East on a random line bet-  
cees 3<sup>and</sup> 10

Pa 14° 08 S.

Descends through scrub cedar  
Road. bet N E<sup>and</sup> S. W.

1.70

40.00

Set trip 114 sec cor

60.50

Cross little Colorado River

## T12.N.R 28 E G &amp; S R M

chs

- 45-lbs midr to N.E. <sup>and</sup> asins.
- 62.00 Enter plowed field to N <sup>and</sup> S
- 71.00 Leave plowed field to N <sup>and</sup> S
- 79.97 Intersect 71 <sup>and</sup> S line 26 lbs
- So of cor to sec's 2, 3, 10 <sup>and</sup> 11
- Thence I run,
- S 89° 49' N on a true line bet.
- sec's. 3 <sup>and</sup> 10 same as
- 39.98 Set a sandstone 30 x 12 x 4 in
- 16 in in the ground for 1/4
- sec cor marked 14 on
- 71 face and raised a mound
- stone along edge of P's
- inpracticable
- 79.97 To cor to sec's 3, 4, 9 <sup>and</sup> 10.
- Sand. Rolling
- Soil; 8th sec -
- Thin. Scattering bed



## T12.N.R 28 E G. &amp; S R M

chr

North on a true line let-  
see's 3 <sup>and</sup> 4.

ba  $14^{\circ}08'E$ .

Ascending over rolling  
ground through scruboak

26.80 Road. bears  $N 20^{\circ}8'$  <sup>and</sup>  $S 20^{\circ}W$

40.00 Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec. Cor.  
marked  $\frac{1}{4}$  S. on W face, dug pits 18 x 18 x 12  
ins. N and S of post  $5\frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
post.

110.90 Road. bears N  $8^{\circ}$  <sup>and</sup> S. W.

111.46 Intersect 3<sup>rd</sup> Standard <sup>Parallel</sup> Standard North  
6.30 chr meet of the  $\frac{1}{4}$  sec cor  
on S B<sup>dy</sup> see 33. recently  
re-established by me.

Set a Sand stone 12+12+4 ins  
8 ins in the ground for the  
closing cor to see's 3 <sup>and</sup> 4

## T12 N. R. 28 E G &amp; S R M

chs

marked C.C. with 3 notches on  
 E and W. edges, dug pits 18"  
 + 18 + 12 in S. W. and S of stone  
 5 1/2 ft. dist, and raised a  
 mound ~~stone~~ <sup>earth</sup>, 2 ft. high 4 1/2  
 ft. base alongside  
 Lands: Rolling  
 Soil; 2<sup>nd</sup> rate good growing  
 Timber. Seaco below.

I carefully examined  
 the adjustments of my  
 solar compass to day  
 particularly the latitude  
 and leveling apparatus and  
 found them correct.

A. P. Johnson

Nov 28<sup>th</sup> 1887

# T12.N.R 28 E G & S R M

Chas

From the car to sees <sup>#1.5-</sup> 32 and 33  
on the south Boundary of  
Reserve established  
by me from  
North to sees 32 and 33  
to 14'. 08' E

Ascending

2.00 Cross Spur 10 ft high base  
S.W. and descend

20.85- Cross very gulch 10 lbs wide  
to W. and ascend

36.00 A Stone house base W about  
1 chs dist

40.00 Set a Sand stone, 14x 10x 6 ins., 9 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on W  
face, dug pits 18 x 18 x 12 ins. N and S  
of stone 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
1  $\frac{1}{2}$  ft, high. 3  $\frac{1}{2}$  ft. base. alongside.

80.00 Set a Sand stone 2x 12x 6 ins, 8 inc. in  
the ground for Cor, to Sees, 28-29-32 and 33 marked  
with 1 notch on S. and 4 notches on E. edges,



## T12.N.R 28 E G &amp; S R M

chs

dug pits 18 x 18 x 12 inc. in each Sec., 5½ ft.  
dist. and raised a mound of earth 2 ft. high.  
4½ ft. base. alongside.

Land gently Rolling  
Soil, 2<sup>nd</sup> rate  
Timber Scattering Cedar.  
Good Grazing.

East on a random line bet-  
sees 28<sup>and</sup> 33

to 140° 08' E

Ascending through scattering  
timber.

40,00 Set temporary ¼ section

80.18 Intersect N<sup>and</sup> S line & E  
N of cor to sees 27.28.33<sup>and</sup> 34

Thence I run

N 89° 57' N on a true line

bet-sees 28<sup>and</sup> 33. same re

## T12.N.R 28 E G &amp; S R M

Chs

40.09 Set a Sandstone  $14 \times 12 \times 8$  in  
9 ins in the ground for  $\frac{1}{4}$   
sec cor marked  $\frac{1}{4}$  on N  
face and raised a mound  
stone along E & S pits  
impracticable.

80.10 To cor to sec 28, 29, 30 <sup>and 33</sup>  
Lined Rolling Hills  
Soil; Rocky 3rd row.  
Timber Scattering Cedar

North Mt-sec's 28 <sup>and 29</sup>  
to  $14^{\circ} 08' E$

Ascending gradually.

40.00 Set a Sand stone,  $18 \times 18 \times 8$  ins. 8 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
face, dug pits  $18 \times 18 \times 12$  ins. N and S  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

## T12.N.R 28 E G &amp; S R M

chis

80.00 Set a Sand stone  $13 \times 13 \times 13$  ins, 8 ins. in the ground for Cor, to Secs, 20, 21, 22 & 23 marked with 2 notch on S. and 4 notch on E. edges, dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft. high.  $4\frac{1}{2}$  ft. base. alongside.

Sand Gravelly Rolling  
Soil. 2<sup>nd</sup> run Good grazing  
Timber. Scattered Cedar

East on a random line to  
secs 21<sup>and</sup> 28  
In  $14^{\circ} 08' E$

Ascent. Gradually

40.00 Set trap - 1/4 sec cor

69.00 Spur bears N<sup>and</sup> S 300 ft high  
and descent.

80.16 Intersect N<sup>and</sup> S line 9 lbs



## T12.N.R 28 E G &amp; S R M

cho

South of cor to sec 21, 22.  
27<sup>th</sup> 28.

Three days

S 89° 56' N on a true line  
bet sec 21<sup>st</sup> & 28, same as

40.08 Set a Basalt Stone 13 H 12 H in  
this in the ground for 1/4  
see cor marked 1/4 in N  
face and raised a mound  
of stone alongside P's  
impracticable.

81.16 To cor to sec 20, 21, 28<sup>th</sup> & 29  
Land Mountainous  
Soil, 2nd year.  
Timber. Scrub cedar  
Good grazing

## T12.N.R 28 E G &amp; S R M

ch

North Trees 2<sup>nd</sup> Aug 21  
 to 14°. 05' E

Ascending gradually

40.00 Set a Sand stone, 16 x 15 x 8 ins., 10 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on W  
 face, dug pits 18 x 18 x 12 ins. N and S.  
 of stone 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth  
 1 $\frac{1}{2}$  ft. high. 3 $\frac{1}{2}$  ft. base. alongside.

60.00 Top of Ridge 60 ft high  
 bears E and W

80.00 Set a Sand stone 16 x 12 x 7 ins., 10 ins. in  
 the ground for Cor, to Secs, 16. 17. 20<sup>42</sup> marked  
 with 3 notches on S. and 4 notches on E. edges,  
 dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft.  
 dist. and raised a mound of earth 2 ft. high.  
 4 $\frac{1}{2}$  ft. base. alongside.

Sand. Gently Rolling  
 Soil; 2<sup>nd</sup> soil  
 Thin Scattered cedar  
 Poor Grazing

## T12.N.R 28 E G &amp; S R M

chs:

East on a random line  
bet sees 16<sup>and 21</sup> ~~17~~.

2a 14° 08' E

Ascending Gradually.

9.00 Ridge, bears N<sup>and S</sup> and  
descends. 100 ft high.

40.00 Set a temp 1/4 sec cor

79.92 Intersect N<sup>and S</sup> line 44

lbs N of cor to sees 15, 16, 21<sup>and 22</sup>

Thence I run

N 89° 41' W on a true line

bet sees 16<sup>and 21</sup>, same 2a

39.96 Set a Sand' stone, 15 x 12 x 9 ins., 10 ins.  
in the ground for 1/4 Sec, Cor, marked 1/4. on N,  
face, dug pits 18 x 18 x 12 ins. S and W  
of stone 5 1/2 ft. dist. and raised a mound of earth  
1 1/2 ft, high. 3 1/2 ft. base. alongside.

79.92 To cor 20 - sees 16, 17, 20<sup>and 21</sup>  
Sand, Rolling

Soil 2<sup>nd</sup> run: good granite



## T12.N.R 28 E G &amp; S R M

cls

North bet sees 16<sup>and</sup> 17  
 & 14° 8' E

Descent gradualley,

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  S. on W face, dug pits 18 x 18 x 12 ins. N and S of post 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 1 $\frac{1}{2}$  ft, high. 3 $\frac{1}{2}$  ft. base. around post.

43.28

Little Colorado River. 4. cls  
 with 60 E and ascent

80.00

Set a Sand stone 12 x 9 x 8 ins, 12 ins. in the ground for Cor, to Secs, D. P. 16<sup>and</sup> 17 marked with 4 notches on S. and 4 notches on E. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 2 ft, high. 4 $\frac{1}{2}$  ft. base. alongside.

Quart. Gentry Rolling  
 Soil. 2<sup>nd</sup> run good grazing  
 Timber. Scattering cedar

T12.N.R 28 E G. & S R M

ch

East on a random line  
lat sec - 9<sup>th</sup> and 16.  
to 14° 08' E

Descend gradually.

18.00 Top of Ridge horse N<sup>th</sup> and S 30  
ft high

40.00 Set bump - 1/4 sec cor

80.28 Intersect N<sup>th</sup> and S line 26 lbs

Set cor to sec 9. 10. 15<sup>th</sup> and 16

Thence down.

S 89° 49' W on a true line

lat-sec 9<sup>th</sup> and 16. same cor

40.14 Set a Limestone stone, 12 x 8 x 8 ins., 8 ins.

in the ground for 1/4 Sec, Cor, marked 1/4 on N<sup>th</sup>.

face, dug pits 18 x 18 x 12 ins. S and W

of stone 5 1/2 ft. dist. and raised a mound of earth

1 1/2 ft, high. 3 1/2 ft. base. alongside.

80.28 To cor to sec 8 + 9 + 16<sup>th</sup> and 17.

Land. Rolling

Soil, 2<sup>nd</sup> class, good grazing

## T12 N. R 28 E G &amp; S R M

Chs

Trim. Scattering cedar.

North h<sup>t</sup> sec 8 <sup>Qu</sup> 9.

2a 14° 08' E

Descend gradually.

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec. Cor, marked  $\frac{1}{4}$  S. on W face, dug pits 18 x 18 x 12 ins. N and S of post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft, high.  $3\frac{1}{2}$  ft. base. around post.

51.70

Road to Springerville  
Lease NE <sup>Qu</sup> S.W.

77.00

Lease between lease N. E <sup>Qu</sup> S.W.

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor, to Secs, 4. 5. 8 <sup>Qu</sup> 9 marked T. 12 N. S. 4 on N. E. R. 28 E S. 9 on S. E, S, 8 on S, W, and S, 5- on N, W, face, with 5 notch eo on S, and 4 notch eo on E. edges, dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft. dist.



# T12.N.R 28 E G & S R M

class

and raised a mound of earth 2 ft high  $4\frac{1}{2}$  ft base. around post.

Lays. Rollins  
Soil: 2<sup>nd</sup> sec  
Good Grazing  
Timber Scattering cedar

East on a random line,  
between sec 4 and 9.  
Sta. 140.08' E

15.00 Ascending over rolling hills  
Top of mesa bears N  $45^{\circ}$  S 150 ft  
high across descent.

40.00 Set a temporary 1/4 sec on  
45.60 cross Springville road  $N 68^{\circ} S$   
80.30 Intersection - N and S line 18 lbs

N. of cor to sec 3, 4, 9 and 10.

Thence Iron.

N  $84^{\circ}$  32' W on a true line

bet-sec 4 and 9. same as

T12 N. R 28 E G & S R M

chs

40.18

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  S. on *N* face, dug pits 18 x 18 x 12 ins. *E* and *W* of post 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth 1  $\frac{1}{2}$  ft, high. 3  $\frac{1}{2}$  ft. base. around post.

80.36

To corner to sec's 45:8 <sup>and</sup> 9.  
Land. Rolling  
Soil, 2nd rule good grazing  
Timber scattering across

North on a true line bet.  
sec's 4 <sup>and</sup> 5.

In 14° 08' E

Ascend gradually

40.00

Set a *Sand* stone, 12 x 8 x 6 ins., 8 ins. in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on *N* face, dug pits 18 x 18 x 12 ins. *N* and *E* of stone 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth 1  $\frac{1}{2}$  ft, high. 3  $\frac{1}{2}$  ft. base. alongside.

## T12.N.R 28 E G &amp; S R M

cks

- 57.84 Top of ridge bears E<sup>and</sup> W  
50 ft high.
- 99.34 Road bears N.E. <sup>and</sup> S.W.
- 109.84 Intersect 3<sup>rd</sup> Standard  
Parallel North 600 chs  
west of <sup>Standard</sup> 1/4 sec cor road Boring  
see 32. recently re-established  
by me.

Set a Basalt Stone 15 x 10 x 8 in  
10 in in the ground for the  
closing cor to sec 4. <sup>and</sup> 5 -  
marked C.C. with 4 notches  
on E <sup>and</sup> 2 notches on N edge  
dug pits - 18 x 18 x 12 in N.E.  
<sup>and</sup> E of stone 5 1/2 ft oval  
and carries a mound of  
earth 2 ft high 4 1/2 ft.  
base along side.

Land Rolling  
Soil 2nd run.



## T12N.R28EG &amp; SRM

Chs

Good grazing  
 G. M. Carson Comptroller  
 Nov 28<sup>th</sup> 1882

From the cor to sec 5: 6. 31<sup>mi</sup> 32  
 on the south boundary Dip  
 recently re-established by  
 me. I run

North W sec 31<sup>mi</sup> 32.  
 to 14: 08' E

Descending gradually

30.60

Ridge bears N E<sup>mi</sup> S. W. 60 ft  
 high <sup>mi</sup> exposed

40.00

Set a **Sand** stone, 12 x 10 x 6 ins., 8 ins.  
 in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on W  
 face, dug pits 18 x 18 x 12 ins. S and W  
 of stone  $1\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high,  $3\frac{1}{2}$  ft. base. along <sup>mi</sup> and across!

50.00

Rocky knoll bears 88 N. 90 ft. high

chs

and descend.

6000

No depression across E & W and  
ascend.

8000

Set a Sand stone  $12 \times 10 \times 9$  ins in  
the ground for Cor. to Secs. 29, 30, 31 and 32  
with 1 nail in each of 57 holes on 12 in.  
long pins 12 in 12 to 12 in each Sec. 34 ft.  
dist. from 12 in a mound of earth 2 ft. high.  
4 ft. base. alongside.

Larg. Mountainous

Soil, 2<sup>nd</sup> & 3<sup>rd</sup> row

Good grazing

Dense Undergrowth Cedar

East on a random line but  
sees 29 and 32.

Loc 14.08' E

Descending over rolling  
ground.

21.40

Road to Springerville bears N 20° W

## T12.N.R 28 E G &amp; S R M

chs

and 820' I

40.00

Set a trip - 1/4 sec cor

64.60

Little Colorado River, 80 lks  
wide to N.

80.56

Intersect N<sup>and</sup> S line 35 lksN of cor to sees 28.7 29.32<sup>and</sup> 33

Thence I run

N 89° 45' W on a true line

to sees 29<sup>and</sup> 32 same as

40.28

Set a Sandstone 14 + 10 + 6 mis

9 mis in the ground for 14

see cor marked 14 on N

face and missed a mound

stone alongside pits

impracticable.

80.56

To cor to sees 29.30.31<sup>and</sup> 32

Low Mountainous

Soil; 3rd rate Good grazing

Timber. No trace underground

losses.

A P Johnson Nov 29<sup>th</sup> 1882



ch's

West on a random line but  
sees' 30<sup>and</sup> 31

to 14°. 08' E

Ascend over rolling ground

40.00

Set a trip 114 sec

70.62

Intersect N B line Sp. 48 lbs  
S of cor to sees' 25. 30. 31<sup>and</sup> 32

recently reestablished by me  
thence I run.

S 89°. 34' E on a true line to sees  
30<sup>and</sup> 31 same va.

80.62

Set a Sand' stone, 14 x 10 x 6 ins., 9 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on N.  
face, dug pits 18 x 18 x 12 ins. S and W,  
of stone  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

70.62

So cor to sees' 25. 30. 31<sup>and</sup> 32.

Sand. Mountain

Soil; 2<sup>nd</sup> + 3<sup>rd</sup> rate

Good Grazing.

Timber, Dense Undergrowth, Cedar

## T12.N.R 28 E G &amp; S R M

cho

G M Carson Comptroller  
Nov 29<sup>th</sup> 1889

North West sec 2 a<sup>nd</sup> 30

by 14<sup>th</sup> 08' E

Ascending Gradually  
Ridge bars E. & W. 10 ft high <sup>and</sup>  
ascend.

20.00

Enter valley bars N. E. & S. W.

35.00

Leave valley bars N. E. & S. W.,  
and ascend.

40.00

Set a porphyry stone 10 x 10  
+ 8 ins in this with the ground for  
14 sec cor. marked 14 on  
on N face and raised a  
mound of stone alongside.

41.60

~~Also immediately~~  
Ridge bars N. E. & S. W. 30 ft high  
<sup>and</sup> ascend.

47.00

Enter valley bars N. E. <sup>and</sup> S. W.

80.00

Set a Sand stone 14 x 12 x 9 ins, 9 ins. in  
the ground for Cor. to Secs. 19. 20. 29<sup>th</sup> 30 marked

ch<sub>2</sub>

with 2 notches on S. and 5 notches on E. edges,  
 dug pits 18 x 18 x 12 ins. in each Sec., 5½ ft.  
 dist. and raised a mound of earth 2 ft. high.  
 4½ ft. base. alongside. from which

A Stone House, bears N 50° E  
 about 138. ch<sub>2</sub> dist.  
 S. Hill <sup>to</sup> Valley  
 Soil, 2nd rate, Good grazing  
 Ground dense undergrowth below.

East on a random line but sees  
 20<sup>th</sup> and 29.

Ba 14°, 08' E

Descending across valley.

17.40 Road to Springerville. Pass  
 N 20° W <sup>and</sup> S 20° E.

19.00 Little Colorado River 200 yds  
 ride to N. and ascend. also  
 House bears N 28° E. about 24 ch<sub>2</sub> dist

40.00 Set a temp 114 sec cor.

80.26 Intersect N <sup>and</sup> S line 23 etc



chs

lbs N. of cor to see's 20 21. 28  
and 29. Thence I run

N. 89° 50' W on a true line bet  
see's 20 and 29. Same as

40.13

Set a sand stone, 17 x 12 x 5 ins., 11 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on N.  
face, dug pits 18 x 18 x 12 ins. E and N  
of stone 5  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base. alongside.

50.26

To cor to see's 19, 20, 29 and 30  
Land Rolling Valley  
Soil, 1<sup>st</sup> & 2<sup>nd</sup> rate, Good grazing  
A. P. Johnson  
Nov. 29<sup>th</sup> 1882.

Nest on a random line bet  
see's 19 and 20

on 14° 08' E

Acres in

40.00

Set a trap 14 see cor.

chs

69.40 Road trans A E and S W.  
70.38 Intersect W Boring Sq 11  
E of cor to sec's 19, 20, 25  
and 30. recently established  
by me.

Shaver Iron.

S 89°, 6' 0" E on a true line bet.  
sec's 19 and 30. same in

30.38 Set a Sand stone, 10 x 8 x 8 ins. 7 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
face, dug pits 18 x 18 x 12 ins. E. and W  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

70.38 To cor to sec's 19, 20, 29 and 30  
Land. Rolling valley  
Soil 3rd rate. Good grazing  
O M. Carson Comptroller  
Nov 29<sup>th</sup> 1882

## T12.N.R 28 E G &amp; S R M

chs

North bl sees 19<sup>and</sup> 20  
W 149.08' S

Ascend gradually,

25.00

Top of knoll bears E & N. 70 ft.  
high and descend

40.00

Set a Sand stone, 16 x 14 x 4 ins., 12 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on N  
face, dug pits 18 x 18 x 12 ins. N and S  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
1 $\frac{1}{2}$  ft. high. 3 $\frac{1}{2}$  ft. base. alongside.

40.00

Enter valley bears E. & N.

80.00

Set a Sand stone 13 x 10 x 4 ins, 8 ins. in  
the ground for Cor, to Secs, 17, 18, 19<sup>and</sup> 20 marked  
with 8 notches on S. and 5 notches on E. edges,  
dug pits 18 x 18 x 12 ins. in each Sec.,  $5\frac{1}{2}$  ft.  
dist. and raised a mound of earth 2 ft. high.  
4 $\frac{1}{2}$  ft. base. alongside.

Land. Rolling Valley.

Soil, 2<sup>nd</sup> me Good grazing  
Timber. Scattering Cedar



# T12.N.R 28 E G & S R M

BOOK

68

116

ch

East on a random line bet  
sees 17<sup>and</sup> 20

on 14°. 05' E

Descend across valley

15.80

Road bears N 25° W, and S 25° E

33.95

Road to Springville bears N 20° E  
and S 20° W.

34.25

Fence bears N. 20° E and S 20° W.

40.00

Set a temp '14 sec con.

42.50

Little Colorado River 400 yds  
with, to N.

80.46

Intersect N and S line. 25 yds

S of cor to seeds 16, 17, 20, and 21

Thence down

S 89° 49' N on a true line bet

sees 17<sup>and</sup> 20. same way

40.23

Set a Sand stone, 20 x 16 x 4 ins., 15 ins.

in the ground for 1/4 Sec, Cor, marked 1/4. on N.

face, dug pits 18 x 18 x 12 ins. E and W,

of stone 5 1/2 ft. dist. and raised a mound of earth

1 1/2 ft. high, 3 1/2 ft. base. alongside.

Stone House bears N 17° 30' E. 28.00 ch. <sup>about</sup> <sup>about</sup> dist.

## T12.N.R 28 E G &amp; S R M

chs

Three springs cross N 17° 30' E <sup>near</sup> ~~near~~  
house.

A House cross S 22.00 ch's  
dist.

80.46

Go corb- see's 17, 18, 19 <sup>mor</sup> 20

Land, Rolling Valley

Soil, 1<sup>st</sup> soil - good growing

Timber, Scattering Birch

A. P. Johnson Nov 2<sup>nd</sup> 1882

Met in a random line but  
see's 18<sup>and</sup> 19.

ba 14° 08' E

Ascending gradually  
Road. has N <sup>and</sup> S

18.00

40.00

70.26

Get a trip 1/4 mile cor.

Intersect N B'ing Sp 28 lb

S of cor to see's 13-18 19<sup>and</sup> 24

Recently re-established by  
me. Three In

cho

S 89°. 46' E on a true line bet-  
sees 18<sup>any</sup> 19, same va.

30.26

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 inc, in the ground for  $\frac{1}{4}$  Sec. C.  
marked  $\frac{1}{4}$  S. on N face, dug pits 12 x 12 x 12  
ins. E and W of post 5 ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base. around  
post.

70.26

To cor to sees 17, 18, 19<sup>any</sup> 20  
Land. Rolling Valley  
Sail. det. & second row  
Good. grazing  
Pine, scattering Cedars.  
G. M. Carson Comptroller  
Nov. 29<sup>th</sup> 1882

North H. sees 17<sup>any</sup> 18

to 149 08' E

Ascending across Valley.

40.00

Set a Porphyry stone, 20 x 10 x 10 ins., 15 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on W



## T12, N. R 28 E G &amp; S R M

cho

face, dug pits 18 x 18 x 12 ins. N and S  
of stone 5 ft. dist. and raised a mound of earth  
11 ft. high, 31 ft. base, alongside. And

Low valley. Ins. 8<sup>th</sup> N.

80,00

Set a post 4 ft. long 4 ins. square, with mark-  
stone, 12 ins. in the ground for Cor. to Sec.

7.8.17<sup>4th</sup> 18 N. 12 N. 8

N. 28 E S. 17 W. S. 18

E. 10. 7 W. 4

as 1. 5 S. 10 E. 10

15 x 12 ins. for each Sec., 31 ft. dist.

raised a mound of earth 2 ft. high, 11 ft.

base.

Low. Rolling

Soil. 2<sup>nd</sup> race.

Good grazing

cho

East on a random line bet-  
sees 8<sup>and</sup> 17.

ba 14°.08' E

Descent.

30.00

Leave valley cross N.W.<sup>and</sup> S.E.  
<sup>and</sup> ascent.

46.00

Set a kemp 1/4 sec cor.

44.50

Road to Springfield cross N  
<sup>and</sup> S.

79.98

Intersect N<sup>and</sup> S line 10  
lbs S of cor to sees 8, 9, 16<sup>and</sup> 17.

Three down

S 89°, 16' N on a true line bet  
sees 8<sup>and</sup> 17, same m.

39.99

Set a Sand<sup>1</sup> stone, 15 x 10 x 6 ins., 10 ins.  
in the ground for 1/4 Sec, Cor, marked 1/4. on N  
face, dug pits 18 x 18 x 12 ins. E and W  
of stone 1 1/2 ft. dist. and raised a mound of earth  
1 1/2 ft. high, 3 1/2 ft. base, alongside.

79.98

To cor to sees 7, 8, 17<sup>and</sup> 18  
Sand, Valley <sup>and</sup> Hill.  
Soil; 2<sup>nd</sup> m. Good argill.

## T12.N.R 28 E G &amp; S R M

Dimin. Scattering less on  
A. P. Johnson  
Nov 29<sup>th</sup> 1882

Heat on a random line bet sees  
7<sup>th</sup> 18.

va 14° 08' E

Ascending gradually  
Road runs N<sup>th</sup> & S

3.60

40.00

69.68

Set a temp 1/4 sec cor  
Intersect Heat B'ing 1/2  
15 lbs N of cor to sees 7.12. 13  
and 18. recently established  
by me. I run

S 89° 53' E. on a true line  
bet sees 7<sup>th</sup> 18. same va.

29.68

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for 1/2 Sec. Cor,  
marked 1 S. on N face, dig pits 12 x 12 x 12  
ins. E and W of post 5 1/2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around  
post.



# T12.N.R 28 E G & S R M

69.68 To cor to see's 7.8. 17<sup>and</sup> 18  
 Laurel Valley  
 Soil; 2<sup>nd</sup> soil: good gray  
 timber. Scattering cedar  
 G. M. Carson Comptroller  
 Nov. 29<sup>th</sup> 1882

North lat see's 7<sup>and</sup> 8  
 in 14' 08' E

Ascending across valley.

34.00 Leave valley cross NW 1/4 E.

40.00 Set a sand stone 36 + 20 + 4 in  
 26 in in the ground for 14  
 see cor marked 114 on  
 W face and raised a mound  
 stone alongside. Pitts  
 impracticable.

46.50 Road cross NE 1/4 E. & S. 1/4 E.

70.00 Road cross N 60° E & S 60° W.

## T12.N.R 28 E G &amp; S R M

chs

80.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Sees,  
S. 6. 7 <sup>Ans</sup> 8 marked T. 12 N S. 5 - on  
N. E. R. 28 & S. 8 on S. E. S. 7 on  
S. W. and S. 6 on E. W. face, with 5-notch  
es on S. and 5-notch es on E. edges, dug  
pits 18 x 18 x 12 inc. in each Sec., 5 ft. dist.  
and raised a mound of earth 2 ft. high, 1 ft.  
d. in. around post.

Land Hill <sup>Ans</sup> valley

Soil. ~~red~~ rare

Dimin. Scattering cedar

Good grazing

Post on a random line for  
see's 5 <sup>Ans</sup> 8

140. 08' E

Ascending gradually

82.00

Cross Road. ~~120° E~~ + 820° N

40.00

Set a temp. 1/4 sec cor

79.68

Intersect N <sup>Ans</sup> S line 5 lbs

chs

N of cor to sec's 4, 5, 8<sup>and</sup> 9.

Thence S  $\frac{1}{2}$  m

N 89° 58' W on a true line

W sec's 5<sup>and</sup> 8. same m'

39.84 Set a Limestone stone, 14 x 12 x 6 ins., 9 ins. in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$ . on N face, dug pits 18 x 18 x 12 ins. E and W of stone 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 1 $\frac{1}{2}$  ft, high. 3 $\frac{1}{2}$  ft. base. alongside.

79.68 To cor to sec's 6, 6, 7<sup>and</sup> 8.  
Land. Rolling  
Soil. 2<sup>nd</sup> sale - good grazing.  
Timber. Scattering cedar

I carefully examined the adjustments of my solar compass to day, particularly the latitude and meridian apparatus and found them correct

A. P. Johnson

Nov. 29<sup>th</sup> 1882



## T12 N. R 28 E G &amp; S R M

ch

Went on a random line bet-sec  
6<sup>th</sup> & 7<sup>th</sup>.

To 140.08' E

Ascending gradually.

44.00

Set a bump 1/4 sec cor

69.56

Intersect N. B'sing 5<sup>th</sup> 13 lbs

S of cor to sec's 1, 6, 7<sup>th</sup> & 12. recently  
re-established by me.

Turned down

889° 3' 4' E on a true line bet  
sec's 6<sup>th</sup> & 7<sup>th</sup>, same as

29.56

Set a Sand stone, 13 x 11 x 6 ins., 8 ins.  
in the ground for 1/4 Sec, Cor, marked 1/4. on N  
face, dug pits 18 x 18 x 12 ins. E and W  
of stone 1/2 ft. dist. and raised a mound of earth  
1 1/2 ft. high, 3 1/2 ft. base. alongside.

69.56

To cor to sec's, 5, 6, 7<sup>th</sup> & 8.

Land. Mountainous

Soil - 2<sup>nd</sup> red soil.

Good. Grazing.

Timber: Scattering cedar

ch.

North on a true line but sees  
5<sup>and</sup> 6.

La 14°. 08' E

Ascending,

40.00 Set a Porphyry stone, 10 x 10 x 8 ins. 7 ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on W  
f cc, dug pits 18 x 18 x 12 ins. N and S,  
of stone  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  
1 $\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. alongside.

32.00 Top of ridge runs N E. <sup>and</sup> S.W.  
120 ft high <sup>and</sup> descends.

107.75 Intersect 3<sup>rd</sup> Standard Parallel  
North 5:28 chs west of the Standard  
 $\frac{1}{4}$  sec con on S 2<sup>nd</sup> by sec 31.  
recently re-established by me.  
Set a Basalt Stone, 15 x 12 x 10 ins  
10 ins in the ground, for the  
closing cor to sees 5<sup>and</sup> 6., marked  
66 with 6 nolets on E and 1 nolet  
on N edges and raised a mound  
stone alongside. ~~fits imper-~~  
~~-tively~~

## T12.N.R 28 E G &amp; S R M

cho-

Land, Mountainous  
Soil, 2<sup>nd</sup> rate. Good grazing  
Timber. Scattering Cedars.  
L. M. Carson Comptroller  
Nov. 29<sup>th</sup> 1882

I carefully examined the  
adjustments of my solar compass  
today particularly the  
latitude and meridian angles  
and found them correct

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T12.N.R 28 E G &amp; S R M

## General Description

This T<sup>12</sup> is rolling and mountainous soil. 2<sup>nd</sup> or 3<sup>rd</sup> valley.

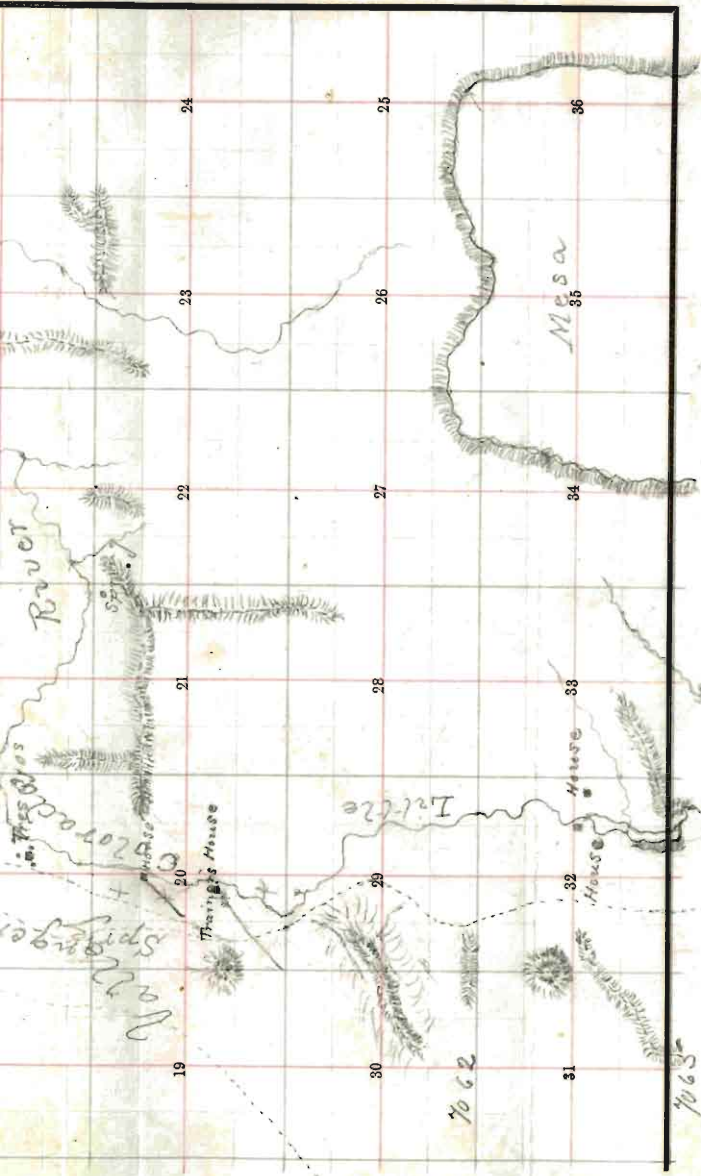
The Little Colorado River flows through this T<sup>12</sup> in a N. N. E. direction.

There are some 7 or 8 settlements in this T<sup>12</sup> along the Little Colorado River. The soil along this river is fertile and productive. suitable for raising grain; potatoes; and other kinds of produce; there being plenty of water for irrigating purposes. A. J. Connolly has a house; barn and corral. and about 20 acres of land under cultivation. in sec 2.

FCP FINAL CATHS  
SEE BOOK NO. 18.



Set a  
stone



TOWNSHIP PLOT.

Meridian Line, 16

Base Line,

Standard Line,

Township Lines,

Section Lines,

# U. S. Surveyor General's Office,

Tucson, Arizona, *November 10, 1883,*

The foregoing Field Notes of the Survey of the

*Old division Lines of  
Township 12 North  
Range 28 East*

Of the Gila and Salt River Base and Meridian, Arizona, executed by *A. P. Johnson*

Deputy Surveyor, under his contract of the *17th*

day of *July*, 188*2*, having been

critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved

*J. W. Robinson*  
Surveyor General.