

id Book No. 26th

BOOK 1077

not  
referred

No. 1077

(P1)

# Field Notes

OF THE SURVEY OF THE

*San Francisco*

BOOK 1077

-OF-

Township *22 N.* Range *4 W.*

*Gila and Salt River Base and Meridian*

ARIZONA. No. 1077

By *J. T. Smith* D.S.

Under contract dated *July 24* 18*83*.

Survey commenced *Dec. 6th* 18*83*.

Survey completed *Dec. 8th* 18*83*.

1077

28

53

1A

## BOOK 1077

4-674.

Township 22 North, Range 4 West,  
 Gila and Salt River Basins  
 and Meridian

6	65	5	47	4	36	3	25	2	13	1
64		63		46		35		24		12
7	62	8	45	9	34	10	23	11	11	12
61		60		44		33		22		10
18	59	17	43	16	32	15	21	14	8	13
58		56		42		31		20		6
19	55	20	41	21	30	22	19	23	5	24
53		52		40		29		18		4
30	51	29	39	28	28	27	17	26	3	25
50		49		38		27		16		2
31	48	32	37	33	26	34	15	35	1	36

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BOOK 1077 10

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For preliminary notes and descriptions of instruments used see Book 210-1

Survey commenced Dec. 6<sup>th</sup> 1880

Survey completed Dec 8<sup>th</sup> 1883.

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6

10

S. 22 N. R. 4 T. 9 S. R. 7 M

- O. Lewis From the Cor to Secs 1-2-35 & 36 on the S.  
 By a 5% westerly established by our  
 Instrs.  
 North bet Secs, 35<sup>th</sup> & 36  
 Cor. 11° 04' E
- 11.40 Cross ravine C. S. E<sup>90</sup> ascend  
 40.00 Set a mulpais rock 10x10x6 ins  
 pins in the ground for the Cor.  
 marked 40 W N. line and raised  
 a mound of straw alongside  
 56.00 Top of N. side of high butte  
 E of line 5.0 chs dist<sup>2</sup> descend  
 72.00 Foot of mountain descend gently  
 80.00 Set a mulpais rock 12x10x1 ins  
 pins in the ground for the Cor  
 to Secs 25-26-35 & 36 marked  
 with 1 notch on S<sup>90</sup> E edge  
 and raised a mound of straw  
 alongside, pins impracticable  
 Surface mountainous  
 Soil 2<sup>nd</sup> rate  
 Grass good



No. 1077

BOOK 1077

2

J. 22 N. R. 47. G<sup>m</sup> S. R. M

Plumix

East on a random line bet Secs 25 &amp; 36

Cor.  $15^{\circ} 04' E$ 

Proceed to East

39.00 Grass dry wash 20 lbs with

Course  $5.83^{\circ} E$ 

40.00 Set temporary "L Sec. Cor.

80.00 Intersect the E. By of the 1/4

- at the Cor to Secs 25-30-31 &amp; 36

actually established by me  
from which Cor. I drew that on  
same line, with same cor.  
bet Secs 25-3640.00 Set a mulpais rock  $11 \times 9 \times 7$  in  
drive in the ground for "L Sec Cormarked  $4$  on N. face  $4$  raised  
a mound of stone along side

80.00 The Cor to Secs 25-26-35 &amp; 36

Sun face bits impracticable  
Said 2<sup>nd</sup> rate

Grass good

T. 22 N. R. 4 N. G. 5 R. M

Column

North Mt Secs 25 & 26

For. N° 15' E

Descending

- 9.16 Cross dry wash 30 lbs wide  
S. N. E. thence over rolling land
- 31.60 Cross dry wash 20 lbs wide S. E.
- 36.00 Ascend
- 40.00 Set a maffais rack 12x10 x 8 ins  
8 ins in the ground for Sec. Cor.  
Marked "C" in N. 7' and raised a  
mound of stone along side
- 54.00 <sup>5' pits</sup> <sup>impracticable</sup> Top of Mountain ridge N. 7. N. 7 S. E.  
then descend
- 76.00 Cross arroyo S. S. E and ascend
- 80.00 Set a maffais rack 17x0x5 ins  
11 ins in the ground for the Co to  
Secs 23-24-25 & 26 marked  
with 2 notches on S. and 1 notch  
on E. edges dug pits 15x15x12 ins

T. 22 N. R. 14 E. S. 19 and S. 20

Elevations

in each Sec. 5 1/2 ft. dist. and raised  
 a mound of earth 2 ft. high  
 1 1/2 ft. high along side  
 Surface mountains  
 Soil 3<sup>rd</sup> rate  
 Good grass

East on a random line bet Secs 24 & 25  
 Tr. 14° 0' E

Ascend gradual slope

25.00 Top of mountain Tr. 7. 7. and S. E. and  
 descend gradually to East

40.00 Set temporary "V" Sec. Cor.

80.08 Intersect the S. by after the 5<sup>th</sup>  
 poles S. of the Cor to Secs 19-24-25 & 30  
 recently established by me from  
 which Cor. I run S. 89° 56' E. on  
 a true line bet Secs 24 and 25



522 N. R. 4<sup>th</sup> T. 9<sup>th</sup> S. R. M

Census

with same cor.

40.04 Set a malpais rock 12x12x7 ins  
 Drive in the ground for "4 Sec Cor.  
 marked "4 on N. face and raised

a mound of stone along side  
 pit impracticable  
 80.08 In to Secs 23-24-25 & 26

Surface mountainous

Soil 3<sup>rd</sup> rate

Grass good

North lat. Secs 23 & 24

Lon. 140° 05' E

5.00 Ascend S. slope of mountain

35.00 Top of mountain to N. W. S. E. & descend

40.00 Set a malpais rock 12x9x8 ins  
 Drive in the ground for "4 Sec. Cor.  
 marked "4 on N. face dig pits  
 18x18x12 ins N and S. of stone 5 1/2 ft



J. 22 N. R. & N. G. S. R. M

Chewis

- dirt <sup>2nd</sup> raised a mound of earth  
 1 1/2 ft high 3 1/2 ft high alongside
- 45.00 Cross array at Co. E <sup>2nd</sup> ascend
- 50.00 Top of ridge. Nos E <sup>2nd</sup> N.
- 52.00 Descend into array
- 69.00 Cross array Co. E. <sup>2nd</sup> ascend
- 80.00 Set a malpais trap 7x8x7 ins  
 1/2 ins in the ground for the Cor. to  
 Secs 13-14-23 T2X marked with  
 3 notches on S. and 1 notch on E  
 edges <sup>2nd</sup> raised a mound of  
 stone alongside, pits impracticable  
 Two feet mountainous  
 Soil 2<sup>nd</sup> rate  
 Grass good

East on a random line hit Secs 13 T2X  
 Nos. 14° 04' E

J. 22 N. R. & N. G and S. R. M

Chinix

- 4.00 Descend into Cañon
- 13.66 Cross A. & P. R. R. tracks N. N & S. E.  
Curved in Cañon
- 15.00 Cross dry wash 20 lbs. with G. S. E  
and ascend
- 21.00 Top of mesa N. N and S. E and  
into dense brush
- 40.00 Set temporary "4 Sec. Cor.
- 79.86 Intersect the E. By of the f.p  
21 lbs N. of the cor. to Seco 13-18-1902  
recently established by me  
from which cor. true N. 89° 51' E  
on a true line bet Seco 13 & 24  
with same rod
- 39.93 Set a malpais rock 89 x 9 x 5 ins  
15 ins in the ground for "4 Sec Cor  
marked it on N. face from which  
a cen. 8 ins diam N. S. 40° N. 45 lbs  
dist marked "4 S. B. J.  
A cen 13 ins diam N. 7. 45° N. 37 lbs

T. 22 N. R. 47. G. and S. R. M

Clines

dist marked 'U.S. B.T.

79.86

The Cor. to Secs 13-14-23 & 24

Surface mountainous

Soil 3<sup>rd</sup> rate

Grass good

Dense Cedar brush

North lot Secs 13 & 14

Tr. 10° 05' E

Dus and grassy slope

30.00

Cross A.P. R.R. Trs N. 45° W.

40.00

Set a well-pais rock 10x10x6 ins  
 pins in the ground for 'U.S. Cor.  
 marked 'U on N. face and raised  
 a mound of stone along side  
 from which

A Juniper 12 ins diam Tr. S. 40° E

30 lbs. dist marked 'U.S. B.T.



T. 22 N. R. 4 W. G. 4 S. R. M

6 lines

80.00

No other trees within limits  
 Set a mulch sack 18x10x6 ins  
 12 ins in the ground for the Corb  
 Secs 11-12-13<sup>4d</sup> & 14 marked with  
 4 notches on S. <sup>4d</sup> & 1 notch on E  
 edges <sup>4d</sup> raised a mound of  
 stone alongside from which  
 A Juniper 6 ins diam Trs. 7.50° N. 100 lbs  
 dist marked S. 22 N. R. 4 W. S. 12 B. S.  
 A Juniper 10 ins diam Trs. 5.55° N. 98 lbs  
 dist marked S. 22 N. R. 4 W. S. 14 B. S.  
 No other trees within limits  
 Surface level  
 Soil 3<sup>rd</sup> rate  
 Grass good  
 Timber Juniper



J. 22. N. R. & N. E. <sup>4th</sup> S. R. M

Plains

East on a random line bet Secs 12 & 13  
 Tr.  $14^{\circ} 05' E$

40.00 Set temporary  $\frac{1}{4}$  Sec Cor.  
 79.68 Intersect the E. Ry of Twp 21. Lhs.  
 S. of the Cor. to Secs 7-12-13 & 18  
 (previously established by me  
 from which Cor. I run S.  $89^{\circ} 51' W$ .  
 Now a true line bet Secs 12 & 13  
 with same cor.

39.86 Set as mul pass rack 13x10x5 ins  
 pins in the ground for  $\frac{1}{4}$  Sec Cor  
 marked  $\frac{1}{4}$  on N. face from which  
 a single line drawn N.  $85^{\circ} E$  23  
 lbs dist marked  $\frac{1}{4}$  S. B. T.

Another 12 ins diam N.  $80^{\circ} E$   
 20 lbs. dist marked  $\frac{1}{4}$  S. B. T.

79.68 The Cor to Secs 11-12-13 & 14  
 Surface level  
 Soil 3<sup>rd</sup> rate  
 Grass good, Juniper timber

T 22 N. R. 47. E and S. R. 11

Chinix

North lat. Secs 11 and 12  
Twp. 14005' E

Through scattering timber

40.00 Set a malpais rock 11x10x5 ins  
gives in the ground for "Sec Cor.  
marked "low N. face and raised  
a mound of stone alongside

80.00 Set a malpais rock 14x12x5 ins  
gives in the ground for the Cor to Secs  
1-2-11 and 12 marked with 5 notches  
on S. and 1 notch on E. edges and  
raised a mound of stone alongside  
from which

A Juniper 8 ins diam 73 S. 56° E. 54 Dis.  
dist marked T. 22 N. R. 47. S. 12 B. J.

A Juniper 14 ins diam 73 N. 23° E. 33 Dis.  
dist marked T. 22 N. R. 47. S. 1 B. J.

A Juniper 16 ins diam 73 E. 60° N. 47 Dis.  
dist marked T. 22 N. R. 47. S. 11 B. J.

J. 22<sup>nd</sup> N. R. 47<sup>th</sup> E. S. 1<sup>st</sup> R. 7<sup>th</sup> M

Column

No other trees within limits

Iron fence railing

Soil 3<sup>rd</sup> rate

No grass

Dense timber

East on a random line bet Secs 1<sup>st</sup> and 12

7 or 14° 05' E

Through dense cedar timber

40.00 Set temporary 1/4 Sec Cor.

79.60 Intersect the E. Byg of 1/2 12<sup>th</sup> Sec. S. of  
the Cor. to Secs 1-6<sup>th</sup> and 12<sup>th</sup> recently  
reestablished by me from which  
Cor. I run S. 89° 55' W. on a true  
line bet Secs 1<sup>st</sup> and 12<sup>th</sup> with same var.

39.80 Set a nail pair rods 10x12x5 in  
1/4 in in the ground for 1/4 Sec Cor.  
marked 1/4 on N. face and raised a



T. 22 N. R. 47. E and S. R. M

Chains

Mound of stone abutment from which  
A quarter circle chain Trs. S. 15° 7. 22' 1/2  
dist marked 'U.S. B. 9'

A quarter circle chain Trs N. 35° 7.  
33' the dist marked 'U.S. B. 5'

79.60 The Cor to Secs 1-2-11 and 12

Surface railing

Dist 4 the rate

Grass food

Dense *Juniper* timber

North on a random line bet Secs 10 & 2

Trs. N° 05' E

Through dense timber

40.00 Set temporary 'U' Sec Cor

80.12 Intro Sect the N. Bay of the 70.60 Ches  
E. of the Cor. to Secs 1-2-35 & 36

Recently established by me



J. 22 N. R. & 7. 6<sup>th</sup> S. R. 711

Claims

from which Cor. Iron  $5.0^{\circ} 26' E.$  on  
a true line bet Secs 1<sup>st</sup> & 2 with  
same cor

- 80, 12 Set a mulpais 16x12x7 ins 11 ins  
in the ground for "C Sec. Cor. marked  
"Low N. face from which  
A dipper 10 ins diam. vs  $7.40^{\circ} E.$  14 lbs.  
dist marked "U.S.B.I.  
A dipper 6 ins diam. vs  $5.10^{\circ} N.$   
9 lbs. dist marked "U.S.B.I.

80, 12 The cor to Secs 1-2-11 & 12

Iron face level  
Soil 3<sup>rd</sup> rate

Grass good

Wheat & corn timber

I carefully examined the adjustments  
of my solar instrument to day  
particularly the latitude<sup>nd</sup> & reversing  
apparatus<sup>nd</sup> & found them correct

J. 22 N. R. 47. 9<sup>th</sup> S. R. 7M

Claims

From the Cor to Secs <sup>2-3</sup> 34 & 35 on the  
S. By of the Sp. recently established  
by me I run

North North but Secs 34 & 35  
Var  $14^{\circ} 05' E$

40.00 Set a mull pair rack 12 x 10 x 8 ins  
Pins in the ground for "Sec. 40  
marked "4 on N. face and raised a  
mound of stone along side

80.00 <sup>fits impracticable</sup> Set a mull pair rack 12 x 10 x 5 ins  
Pins in the ground for the Cor to Secs  
26-27-34 <sup>and</sup> 35 marked with  
1 notch on S. <sup>and</sup> 2 notches on E  
edges and raised a mound of  
stone along side. fits impracticable  
Surface level  
Soil 3<sup>rd</sup> rate  
Grass good  
No timber

T. 22 N, R. 4 N. G and S. R. M

Plains

East on W random line bet Secs 26 & 35  
 T on N° 05' E

40.00 Set timbering 1/4 Sec Cor.

80.00 Intersect N and S. line 15 lbs. S.  
 of the Cor to Secs 25-26-35 & 36  
 from which Cor. S. line S. 89° 50' N.  
 on a true line bet Secs 26 & 35  
 with some var.

40.02 Set a mud pair rack 16x8x8 in  
 11 in in the ground for 1/4 Sec Cor.  
 marked 1/4 on N. face and raised a  
 mound of straw along side

80.00 <sup>high impregnated cable</sup> W. Cor. to Secs 26-27-36 & 35

Surface rolling  
 Soil 3<sup>rd</sup> rate  
 Grass good  
 No timber



T. 22 N. R. 4 W. G and S. R. 7 M

Claims

North lot Seco 26 and 27  
 Trr. 14° 5' E

Over level land

40.00 Set a malpais 8x8x8 in x 12 ins  
 in the ground for "Sec Cr. marked  
 "low N. face" and raised a mound  
 of stone alongside pit impracticable

80.00 Set a malpais rock 12x8x6 in  
 pins in the ground for the Cr.  
 to Seco 22-23-26 and 27 marked  
 with 2 notches on S. E. angles  
 and raised a mound of stone  
 alongside pit impracticable

Surface level

Sail 3<sup>rd</sup> rate

Grass good

No timber



T. 22 N. R. (7th. G<sup>nd</sup>) S. R. 7th.

Bluffs

East on a random line bet Secs 23 & 26  
 Var.  $14^{\circ} 05' E$

Over ralling land

40.00 Set temporary "C" Sec. Cor

80.10 Intersect N. and S. line 60 lbs. S. of  
 the Cor. to Secs 23-24-25 & 26

from which Cor. I run S.  $89^{\circ} 36' 7''$   
 on a true line bet Secs 23 & 26

with same var.

40.05 Set a metal pair <sup>stone</sup>  $12 \times 10 \times 5$  ins 8 ins

in the ground for "C" Sec. Cor. marked

"K" on "N. fence" and raised a mound  
 of a stone alongside, fits impracticable

80.60 The Cor. to Secs 22-23-26 & 29

Surface ralling

Soil 3<sup>rd</sup> rate

Grass good

No timber

J. 22 N. R. 4 N. G<sup>nd</sup> S. R M

Chairs

North lot Secs 22<sup>nd</sup> & 23

7m. 14° 05' E

Over rallying table land

40.00

Set Malpais rock 16x8x8 ins

11 ins in the ground for 14 Sec Cor  
marked "Low N face" and raised  
a mound of stone along side

80.00

Set a <sup>stone</sup> malpais 16x12x11 ins 11 ins  
in the ground for the Cor to Secs  
14-15-22<sup>nd</sup> & 23 marked with

3 notches on S. <sup>and</sup> 2 notches on  
E. <sup>edges</sup> and raised a mound  
of stone along side. <sup>fits impracticable</sup>

Over free rallying

Soil 3<sup>rd</sup> rate

Grass good

No timber

T. 22 N. 02.47. 9<sup>th</sup> S. R. 21

C. Lewis

East on a random line bet Secs 14 & 23  
 For.  $14^{\circ} 05' E$

Over ralling land

40.00 Set temporary  $1/4$  Sec. Cor.

79.84 Set cor. on  $7^{\text{th}}$  S. line 26 lbs. S.  
 after Cr. to Secs 13-14-23<sup>nd</sup> 24  
 from which Cr. 2 runs S.  $89^{\circ} 49' 71$   
 on a true line bet Secs 14<sup>th</sup> 23  
 with same cor.

39.92 Set 4 malpais rods  $10 \times 10 \times 6$  ins  
 7 ins in the ground for  $1/4$  Sec. Cor.  
 marked  $1/4$  on  $7^{\text{th}}$  line  $9^{\text{th}}$  raised  
 a mound of stone along side  
pit impracticable

79.84 The Cr. to Secs 14-15-22 & 23

But face ralling

Soil 3<sup>rd</sup> rate

Grass good

No timber



T. 22 N. R. 47. G and S. R. M

Clunies

North lot Secs 14 and 15

Tr.  $14^{\circ} 05' E$

Over level table land

40.00 Set w malpais rods  $15 \times 10 \times 5$  ins

10 ins in the ground for 4 Sec.

Cor. marked "4" on N. face and raised

a mound of stone along side

80.00

Set w malpais <sup>rods</sup>  $12 \times 10 \times 8$  ins 8 ins

in the ground for the Cor to Secs  
10-11-14 and 15 marked with 4 notches

on S. and 2 notches on E. edges

and raised a mound of stone  
along side, fits impracticable

Sur face railing

Sub 3<sup>rd</sup> rate

brass and

Scattering Embank

J. 22 N. R. 4 T. 9<sup>and</sup> S. R. M

Chains

East on a random line bet Secs 10-16  
7<sup>th</sup> Cor.  $14^{\circ} 05' E$

6.00 Cross at P. R. R. Trs. N. 55<sup>th</sup> T.

7.00 Enter dense Juniper timber

38.00 Leave timber

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

80.20 Enter each 7<sup>th</sup> and 5<sup>th</sup> line 14<sup>th</sup> Sec S. of the  
Cor to Secs 11-12-13<sup>and</sup> 14 from  
which Cor. Is run S. 89<sup>o</sup> 54' T. on  
a true line bet Secs 11<sup>and</sup> 14 with  
same cor.

10.10 Set a Malpais stone, 14 x 10 x 5 ins., 9 in.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
face. 2 pits 18 x 18 x 12 ins. E and T  
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. along side.

80.20 The Cor to Secs 10-11-16<sup>and</sup> 15  
In good rolling, Soil 3<sup>rd</sup> rate  
Grass good, Dense Juniper timber

J. 22 N. R. 4 N. G<sup>nd</sup> S. R. 74

Coloia

North lot Secs 10 and 11

70m 14° 05' E

3.33

Crass A & P, R, R, Trs. 7. 73° W.

40.00

Set a malpais rock 17 x 13 x 11 ins  
11 ins in the ground for the Cor to Sec  
marked "4 on N. face from which  
A Juniper *Ciss diam* Trs. S. 45° W.

2 lbs. dist marked "K S. B. S.

A Juniper 20 ins diam Trs. 7. 85° E

89 lbs. dist marked "K S. B. S.

80.00

Set a malpais rock 16 x 11 x 5 ins 11  
ins in the ground for the Cor to Secs  
2-3-10 and 11 marked with 5 notches

on S. and 2 notches on E. edges

and raised a mound of stone  
along side, pits impracticable

Surface railing

Dial 3<sup>rd</sup> rate

Grass good, Juniper timber



T. 22 N. R. 4 N. G<sup>nd</sup> S. R. 711

Plumiss

East on a random line bet Secs 20 11

For 14° 05' E

Through Scrubby Juniper

40.00 Set temporary 4<sup>th</sup> Sec. Cr.

79.66 Intersect 7<sup>th</sup> S. line 16<sup>th</sup> N. S. Cr.  
of the Cr. to Secs 1-2-11<sup>th</sup> 1/2 from  
which Cr. Iron S. 89° 53' N. on  
a true line bet Secs 2<sup>nd</sup> 11  
with same corr.

39.83 Set a mul pair rods 24 x 1/2 x 8 ins  
8 ins in the ground 7<sup>th</sup> Sec Cr.  
marked 4 on N. face from which  
a Juniper 10 ins diam Trs. N. 10° N.  
68 lks. dist marked 4 S. B. 5  
A Juniper 8 ins diam Trs. S. 40° E 37 N-  
dist marked 4 S. B. 5

79.66 The Cr. to Secs 2-3-10<sup>th</sup> 11  
Surface level, Grass good  
Soil 2<sup>nd</sup> rate, Scrubby Juniper

J. 22 N. R. & W. to <sup>2nd</sup> S. R. M

Plumix

North on a random line bet Secs 2 & 3  
 Cor.  $14^{\circ} 05' E$

40.00 Set temporary "4 Sec. Cor.  
 So. 10 Intersect the N. By of the 1<sup>st</sup>.  
 1/4 lbs. E of the Cor to Secs 2-3-4-  
 35 neatly established by  
 me from which Cor. Drowd.  $5.0^{\circ} 6' E$   
 on a true line bet Secs 2 & 3  
 with same cor.

40.10 Set a malpais rock  $20 \times 10 \times 6$  ins  
 15 ins in the ground for "4 Sec  
 Cor marked "4 on N. face and  
 raised a mound of stone along side  
<sup>if impracticable</sup>  
 The Cor. to Secs 2-3-10 and 11

So. 10  
 Sur fence walking  
 Soil 3<sup>rd</sup> rate  
 Grass good  
 Scrubby Juniper

J. 22 N. R. 4 N. E<sup>4th</sup> S. R. 7M

univis

From the Cor to Secs 3-4-33 & 34  
on S. Ry of Tp recently established  
by me & I me

North lot Secs 33 & 34

To N 14° 05' E

Over rolling rocky land

0.00

Set a mul pair rock 36x24x12  
in 27 ins in the ground for N Sec  
Cor. marked "Low N. face" and

raised a mound of stone along side  
not impracticable

0.00

Set a mul pair rock 12x10x5 in 9 ins  
in the ground for the Cor. to Secs 27-28-  
33 & 34 marked with 1 notch on S.

and 3 notches on E. edges <sup>and</sup> raised  
a mound of stone along side

not impracticable.  
Surface rolling

Soil 3<sup>rd</sup> rate

Grass good

Scattering timber



T. 22 N. R. 47. G. and S. R. M

Column

East on a random line hit Secs 27 & 34  
 Yr.  $14^{\circ}05' E$

40.00 Set temporary  $1/4$  Sec Cor.

80.12 Intersect  $1/4$  and S. line 400

S. of the Cor to Secs 26-27-34 & 35  
 from which Cr. I run S.  $89^{\circ}50' W$   
 on a true line hit Secs 27 & 34  
 with same cor.

40.06 Marked a malpais rock in place  
 $36 \times 24 \times 8$  ins above ground <sup>for  $1/4$  Sec Cor</sup> with  
 X at exact Cor. point <sup>and</sup>  $1/4$  Sec  
 N. line <sup>and</sup> raised a mound  
 of stone along side, fits inproadically

80.12 To the Cor to Secs 27-28-33 & 34  
 Surface rolling  
 Soil 3<sup>rd</sup> rate  
 Grass good  
 Scattered timber

T. 22 N. R. 47. E and S. R. 71

Chains

North lot Secs 27 and 28

Cor.  $N^{\circ} 05' E$ 

Over level land

40.00 Set a nail pair rod 20 x 10 x 3 ins  
15 ins in the ground for  $1/4$  Sec Cor  
marked '1' on N. face and raiseda mound of stone along side  
job impracticable80.00 Set a nail pair rod 12 x 10 x 6 ins  
8 ins in the ground for the Cor to Secs  
21-22-27 and 28 marked with2 nails on S. and 3 nails on  
E. edge and raised a mound of

stone along side, job impracticable

Surface level

Dull 3<sup>rd</sup> rate

Grass past

Scattered Juniper timber

T. 22 N. R. 47. 10 and S. R. 74

Column

East on a random line bet Secs 22 & 27  
 Var.  $14^{\circ}05' E$

Over walking land

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

79.82 Intersect  $\frac{1}{4}$  and S. line 40 lbs S.  
 of the Cor to Secs 22-23-26 and 27  
 from which Cor. I run S.  $89^{\circ}08' W$   
 on a true line bet Secs 22 & 27  
 with same var.

39.91 Set a malpais rock  $16 \times 12 \times 8$  ins  
 11 ins in the ground for  $\frac{1}{4}$  Sec  
 Cor. marked  $\frac{1}{4}$  on N. face and  
 raised a mound of straw along  
 side, fits impracticable

79.82 The Cor to Secs 21-22-27 & 28

Survey walking  
 Sail 3<sup>rd</sup> rate  
 Grass good  
 Scattering timber



T. 22 N. R. 4 N. G<sup>nd</sup> S. R. 21

Plumero

North lot Seco 21 <sup>and</sup> 22

Tom 14° 05' E.

Over level land

20.00 Enter Juniper timber

30.00 Leave Juniper timber

40.00

Deposited a marked stone 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor. dug pits 18 x 18 x 12 ins. N and S of stone  $\frac{3}{4}$  feet dist and raised a mound of earth  $1\frac{1}{2}$  ft. high  $3\frac{1}{2}$  ft. base over it. In N pit drove a stake 2 ft. long 2 ins. sq. 12 ins. in the ground marked  $\frac{1}{4}$  S. on face.

50.00 Set a malpais rock 16 x 10 x 5 ins. in the ground for the Cor to Seco 15-16-21 <sup>and</sup> 22 marked with 3 notches on S. <sup>and</sup> E. edges <sup>and</sup> raised a mound of stone along side, pit impracticable  
 Surface rathery  
 Soil 3<sup>rd</sup> rate  
 Grass good, Scrubby Juniper

T. 22 N. R. 4 N. G<sup>nd</sup> S. R. 7W

Clunies

East on a random line bet Secs 15 & 22  
 For  $14^{\circ} 05' E$ .

Over railing table land

40.00 Set temporary  $1/4$  Sec. Cor.

80.12 Intersect  $1/4$  <sup>4<sup>th</sup></sup> S. line 14 lbs

S. of the Cor to Secs 14-15-22 & 23

From which Cor. I run  $S. 89^{\circ} 54' W$   
 on a true line bet Secs 15 & 22  
 with same cor.

40.06 Set a malpais rock  $13 \times 10 \times 5$  in

8 in in the ground for  $1/4$  Sec

Cor. marked  $1/4$  on N. face and  
 raised a mound of stone  
 along side, pit impracticable

80.12 The cor. to Secs 15-16-21 and 22

Surface railing

Set 3<sup>rd</sup> rate

Grass guard

No timber

No. 1077

BOOK 1077

T. 22 N. R. 47. E and S. R. 74

Claims

North lot Secs 15 & 16

Tr.  $14^{\circ}05'E$

Over sailing state land

40.00

Set a Malpas stone,  $10 \times 10 \times 6$  ins., 7 ins. in the ground for  $\frac{1}{2}$  Sec, Cor, marked  $\frac{1}{2}$  on 74 face, dug pits  $18 \times 18 \times 12$  ins. 71 and 8 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.

75.00

Grass C.P. R.R., Tr.  $5.68^{\circ}N$

80.00

Set a Malpas stone  $12 \times 9 \times 6$  ins., 8 ins. in the ground for Cor, to Secs, 9-10-15 & 16 marked with  $\angle$  notch on S. and 3 notches 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.

Surface level

Dull <sup>1st</sup> rate

Grass good

No timber



## T. 22 N., R. 47. W. and S. R. M

P. Lewis

East on a random line bet Secs 10 & 15  
 Var.  $N^{\circ} 05' E$

16.17 Cross A.T.P. R.R. track  $N^{\circ} S. 68^{\circ} W$

40.00 Set a temporary "V" Sec Cor.

80.40 Intersect N. and S. line  $\approx$  lks

S. of the Cor to Secs 10-11-14 and 15  
 from which cor. I run  $S. 89^{\circ} 50' W$ .  
 on a true line bet Secs 10 and 15  
 with same var.

40.20 Set a malpais rock  $15 \times 10 \times 6$  ins  
 10 ins in the ground for "V" Sec Cor.

marked "V" on N. face, from which  
 a quipr 20 ins diam  $N^{\circ} S. 28^{\circ} E. 31$  lks.  
 dist marked "U.S. B.T."

A quipr 10 ins diam  $N^{\circ} S. 55^{\circ} E. 27$  lks.  
 dist marked "U.S. B.T."

80.40 The Cor to Secs 9-10-15 & 16

Surf face rathery, Soil 3<sup>rd</sup> rate  
 Grass good, Scattering timber

T. 22 N., R. 47. E. 9<sup>th</sup> S., R. M

Claims

North lot Sec 9<sup>th</sup> and 10.

Tm 14° 05' E

Over ralling land

40.00 Set a mul pair rock 12 x 9 x 7 ins  
8 ins in the ground for "4 Sec. Cor.  
marked "4 on N. face and raised a  
mound of stone along side

80.00 <sup>lots impracticable</sup> Set a mul pair rock 16 x 13 x 11 ins  
11 ins in the ground for the Cor  
to Secs 3-4-9<sup>th</sup> and 10 marked  
with 5 notches on S. and 3  
notches on E. edges and raised a  
mound of stone along side

<sup>lots impracticable</sup>  
In fact ralling

Suit 3<sup>rd</sup> rate

Grass good

No timber

J. 22 N. R. & N. G. and S. R. M

Columnis

Eastward random line bet Secs 3 & 10  
 Cor.  $14^{\circ} 05' E$

Through scattering timber

40.00

Set temporary "U Sec. Cor

79.60

Intersect N. and S. line 24 lks S.  
 of the Cor to Secs 2-3-10 and 11 from  
 which Cor. I run S.  $89^{\circ} 50' N$ , on  
 a true line bet Secs 3 and 10  
 with panel cor.

39.80

Set a malpais rod 12x10x5  
 six ins in the ground for "U Sec  
 Cor. worked "low" N. face and raised  
 a mound of stone alongside  
 for <sup>impracticable</sup> ~~impracticable~~

79.60

In cor. to Secs 3-4 and 10  
 Surface rolling  
 Soil 3<sup>rd</sup> rate  
 Grass good  
 timber



J. 22 N, R 4 N. G and S. R. 7W

Plumix

North on a railroad line bet Secs 3 & 4  
 Tor.  $14^{\circ} 05' E$

Over railroad land

40.00 Set temporary  $\frac{1}{2}$  Sec cor

80.08 Intersect the N. Ry of the Tp  
 7 lbs N. of the cor to Secs 3 & 330  
 36 recently established by me  
 from which cor. I run  $50^{\circ} 3' N.$   
 on a true line bet Secs 3<sup>rd</sup> & 4<sup>th</sup>  
 with sand bar

40.08 Set a well pair rods 16x14x9 ins  
 11 ins in the ground, <sup>for  $\frac{1}{2}$  Sec cor</sup> marked  
 on N. face and raised a mound  
 of stone along side, pits impracticable

80.08 The Cor to Secs 3 & 9<sup>th</sup> and 10  
 Sur face railway, Good grass  
 Full 3<sup>rd</sup> rate, No timber

Carefully examined the adjustments of my  
 solar instrument to diff. parts of the  
 the latitude, and reversing apparatus  
 found them correct

T. 22 N. R. 47. G. and S. R. 24

Olivia

From the Cor. to Secs 4-5-32<sup>nd</sup> & 33<sup>rd</sup> on  
the S. By. of 5<sup>th</sup> recently established  
by new Iron

North lot Secs 32<sup>nd</sup> & 33<sup>rd</sup>

7<sup>th</sup> 14° 05' E

Over railing table land

46.00 Set a walpole rack 10x10x6 ins

7 ins in the ground for "C" Sec. Cor.  
marked "Low N. fence" raised a  
mound of stone alongside

80.00 Set a walpole rack 12x11x6 ins

8 ins in the ground for the Cor.  
to Secs 28-29-32<sup>nd</sup> & 33<sup>rd</sup> marked  
with 1 white on S. <sup>and</sup> 4 on E. edges <sup>and</sup> raised a mound  
of stone alongside, <sup>fit impracticable</sup>

Surface railing

Soil 3<sup>rd</sup> rate

Grass good, no timber

J. 22 N. R. 4 E. Gaud S. 2. M

Bluffs

East on a random line hit Secs 28 + 33  
Cor. N° 05' E

Over local land

40.00 Set temporary 1/4 Sec. Cor.

79.86 Intersect N<sup>4</sup>W 5. line 20 lks. S of  
the Cor to Secs 27-28-33<sup>W</sup> 34

from which Cor. I ran S. 89° 51' Th  
on a true line hit Secs 28<sup>W</sup> 33  
with same cor.

39.93 Set a metal pin rods 15 x 10 x 6 ins  
10 ins in the ground for 1/4 Sec. Cor  
marked 'K on N. face' and raised  
a mound of stone along side  
if impracticable

79.86 Hit Cor to Secs. 28-29-32<sup>W</sup> 33

Surface local

Soil 3<sup>rd</sup> rate

Grass good

No timber



J. 22 N. R. & N. G. and S. R. M

Cluniss

North lot Sico 28 and 29  
 Yr.  $14^{\circ} 05' E$

Clear level land

40.00 Set a new pair rock 15 x 8 x 6 ins  
 10 ins in the ground for 'K' Sec. 10  
 marked 'K' on N. face. <sup>and</sup> raised  
 a mound of stones along side  
 pits impracticable

80.00 Set a new pair rock 9 x 8 x 7 ins  
 6 ins in the ground for the line, top  
 marked with 2 markers on S. <sup>Segs 20-21-28 & 29</sup> and  
 1 marker on E. edge <sup>and</sup> raised  
 a mound of stones along side  
 pits impracticable  
 Surface level

Soil 3<sup>rd</sup> rate

Grass yard

No timber

T. 22 N. R. 47. E and S. R. 74

Chamix

East on a random line bet Secs 21<sup>and</sup> 28  
 Cor.  $14^{\circ}05' E$

Over calling land

40.00 Set temporary 1/4 Sec Cor.

80.14 Intersect 7<sup>th</sup> and 5<sup>th</sup> line 18 lbs. S. of the  
 Cor to Secs 21-22-27<sup>and</sup> 28 from  
 which Cor. I run S.  $89^{\circ}52' N.$  on  
 a true line bet Secs 21<sup>and</sup> 28 with  
 same cor.

40.09 Set a walrus rock 16x12x8 in  
 11 in in the ground for 1/4 Sec Cor.  
 marked 1/4 on N. face<sup>and</sup> raised  
 a mound of straw along side  
 for impracticable

80.14 The lot to Secs 20-21-28<sup>and</sup> 29

Surface calling

Soil 3<sup>rd</sup> rate

Grass good

Scattering Juniper

J. 22 N. R. 4 N. Grand S. R. M

Chairs

North lot Secs 20<sup>and</sup> 21

700 10° 05' E

Over railing table land

40.00

Set a maffais rack 8x8x8 ins  
 6 ins in the ground for U.S. Gov.  
 marked "U" on N. face, from which  
 A Juniper 10 ins diam Trs. S. 5° N. 10 lls.  
 Dist marked "U.S. B.T."

A Juniper 8 ins diam Trs. S. 12° E 25 lls  
 Dist marked "U.S. B.T."

80.00

Set a maffais rack 8x8x6 ins  
 12 ins in the ground for the Gov. to  
 Secs 16-17-20<sup>and</sup> 21 marked with  
 3 nails on S<sup>and</sup> N<sup>and</sup> marked on E  
 ulges<sup>and</sup> raised a mound of stone  
 alongside, pits impracticable  
 Surface railing  
 Shul 3<sup>rd</sup> rate  
 Grass good, Scattering timber



22 N. Q. 47. 4<sup>th</sup> and S. R. 21

Chinix

East on a random line bet Secs 16 & 21  
 Cor.  $14^{\circ} 05' E$

Over ralling land

46.00 Set temporary  $\frac{1}{4}$  Sec. Cor.

49.60 Intersect N and S. line 23 lles.

S. of the Cor to Secs 15-16-21 & 22

From which Cor. I run S.  $89^{\circ} 50' N$

on a true line bet Secs 16<sup>and</sup> 21

with same cor

39.80 Set a malpais rock  $12 \times 10 \times 8$  in

in the ground for  $\frac{1}{4}$  Sec. Cor.

marked  $\frac{1}{4}$  on N. fence and raised a  
 mound of stone along side

49.60 <sup>fully inaccessible</sup> Run Cor to Secs 16-17-20<sup>and</sup> 21

Surface ralling

Soil 3<sup>rd</sup> rate

Grass good

No timber

S. 22 N. R. 47. G<sup>and</sup> S. R. 20

Colinus

North lot Secs 16<sup>and</sup> 17  
Cor. 14° 04' E

ascend

28.00 Enter valley or basin

40.00 Set a malpais stone, 10 x 8 x 8 ins., 7 ins. in the ground for  $\frac{1}{2}$  Sec, Cor, marked  $\frac{1}{2}$  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.

59.45 Cross Pop. R. R. Nos N. 86 $\frac{1}{2}$  W. S. 86 $\frac{1}{2}$  E

80.00 Set a malpais stone 10 x 10 x 8 ins., 9 ins. in the ground for Cor, to Secs, 8-9-16017 marked with  $\checkmark$  notches on S. and  $\checkmark$  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.

Surface mountainous

Soil  $3\frac{1}{2}$  rate

Grass good

Deathening Cedar

J. 22 N. R. 4 T. 5<sup>th</sup> and S. R. 21

Blunio

East on a random line bet Secs 9 & 16  
Cor.  $14^{\circ} 04' E$

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

43.00 Leave valley <sup>9<sup>th</sup></sup> over rolling hills  
and mountain ridges ascending

57.00 Top of ~~road~~ ridge bet. N. 7<sup>th</sup> & S. 6<sup>th</sup>  
descend

61.00 Foot of ridge <sup>10<sup>th</sup></sup> enter valley

80.00 Intersect N. <sup>10<sup>th</sup></sup> S. line 16 bet. S. of the Cor.  
to Secs. 9-10-15<sup>th</sup> and 16. From which Cor.  
I. run S.  $89^{\circ} 53'$  N. W. true line bet  
Secs 9<sup>th</sup> and 16 with same cor.

40.00 Set a mulpais stone 18 x 10 x 5 ins.,  $\frac{1}{2}$  ins.  
in the ground for  $\frac{1}{4}$  Sec, Cor, marked  $\frac{1}{4}$  on N  
face the pits 18 x 18 x 12 ins. E and W  
of stone  $\frac{1}{2}$  ft. dist. and raised a mound of earth  
 $1\frac{1}{2}$  ft. high 73 ft. base. alongside.

80.00 To the Cor to Secs 8-9-16<sup>th</sup> and 17  
Surface mountain, Soil 1<sup>st</sup> & 3<sup>rd</sup> rate  
Grass good, scattering timber



J. 22 N. R. 4 N. 9 and S. R. 24

Clunias

North lot Secs 8 and 9

Cor. 14° 04' E

15.00

Lower valley & ascend gradually

40.00

Set a well paid rock 18 x 7 x 7 ins  
12 ins in the ground for the 1/4 Sec.

Cor. marked low N. face & raised  
a mound of stone along side

80.00

Set a well paid 18 x 9 x 6 ins 12 ins  
in the ground for the cor. to Secs  
4-5-8 and 9 marked with 5 notches

on S. and 4 notches on E edges  
and raised a mound of stone  
along side, pit impracticable

Surface ascends towards N  
Soil gravelly 2<sup>nd</sup> rate

Grass good

See also on Juniper and Cedar

J. 22 N. R. 47. G<sup>nd</sup> S. R. 74

Blum

East on a random line hit Secs 4<sup>th</sup> & 9  
Tr.  $14^{\circ} 05' E$

- 40.00 Set temporary  $\frac{1}{4}$  Sec Cor
- 42.00 Cross ravine Co. S<sup>th</sup> as usual  
mountain
- 71.00 Top of mulpais turtle<sup>nd</sup> descend
- 80.00 Intersect  $\frac{1}{4}$  and S. line 8 lks. S. of  
the Cor. to Secs 8-4-9<sup>th</sup> and 10 from  
which Cor. I run S.  $89^{\circ} 57' T$  on a  
true line hit Secs 4<sup>th</sup> & 9 with  
same cor.
- 40.00 Set a mulpais rock  $14 \times 10 \times 9$  ins 9 ins  
in the ground for  $\frac{1}{4}$  Sec Cor. marked  
 $\frac{1}{4}$  on N. face<sup>nd</sup> raised a mound  
of stone along side, job impracticable
- 80.00 The Cor. to Secs. 4-5-8<sup>th</sup> & 9  
Surface mountainous  
Soil 3<sup>rd</sup> rate, Grass good  
Dwarf Cedar<sup>nd</sup> Juniper trees

J. 22 N. R. 4 N. 9<sup>th</sup> S. R. 7<sup>th</sup>

Observations

North on a random line bet Secs 4 & 5  
Tr. 14° 05' E

Ascend S. slope of mountain

34.00 Top of mountain Trs. N. W. <sup>9<sup>th</sup></sup> S. E.

36.00 Descend

40.00 Set temporary <sup>1/4</sup> Sec. cor.

80.06 Intersect N. 1/2 of the 1/8<sup>th</sup> Sec. N.  
of the Cor. to Secs 4-5-32 & 33.

Recently established by me  
from which Cor. I run S. 0° 8' N.  
on a true line bet Secs 4<sup>th</sup> & 5<sup>th</sup> with  
suced Tr.

40.06 Set a Malpas stone 14 x 8 x 7 ins., 9 ins.  
in the ground for <sup>1/4</sup> Sec Cor, marked  $\frac{1}{4}$  on N.  
face, deep 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 ft. base, alongside.

80.06 The Cor to Secs 4-5-8<sup>th</sup> & 9<sup>th</sup>  
Surface mountainous  
Soil 3<sup>rd</sup> soil -  
Grass good



J. 22 N. R. 41. E and S. R. 71.

Blainie

From the Cor to Secs 5-6-31 & 32 on S. 1/2  
of 5<sup>th</sup> recently established by me  
I run

North to Secs 31<sup>nd</sup> & 32<sup>nd</sup>

To. 14° 05' E

Descend

40.00

Set a mulpais 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. 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.

42.00

Ascend

76.00 Leaves down<sup>ed</sup> enter scattering brush

80.00

Set a mulpais rock 20 x 14 x 8, six 15 six  
in the ground for the Cor to Secs 29-30  
31<sup>nd</sup> & 32<sup>nd</sup> marked with 1 notch on S.<sup>nd</sup>  
5 notches on E. sides<sup>ed</sup> raised a mound  
of stone alongside

Surface rolling, Soil 2<sup>nd</sup> rate  
Grass good, raised cedar & Juniper brush

V9  
 T. 22 N. R. 3 E. G<sup>4th</sup> S. R. 4

Chains

East on a random line but Secs 29 & 32  
 for  $14^{\circ} 05' E$

1400 and

15.00 Enter dense Juniper <sup>and</sup> Cedar brush

40.00 Set temporary <sup>1/4</sup> Sec Cor.

43.00 Over rolling hills

80.00 Intersect N<sup>4th</sup> S. line 8 lts. N. of  
 the Cr to Secs 28-29-32 & 33 from  
 which Cr. I run N.  $89^{\circ} 57' N$ . was  
 true line but Secs 29 & 32 with  
 some var.

40.00 Set a mule's rock  $19 \times 17 \times 15$  in  $1/4$   
 in in the ground for <sup>1/4</sup> Sec Cor.  
 marked 'N on N. face and raised  
 a mound of stone along side  
<sup>if impracticable</sup>

80.00 Run Cr to Secs 29-30-31 <sup>and</sup> 32

Surf face high rolling mountain ridges  
 Soil 2<sup>nd</sup> to 3<sup>rd</sup> rate.

Grass good, dense brush

J. 22 N. R. 47. G<sup>m</sup> S. R. 74

Columns

Plot on a random line bet Secs 30 & 31  
 Tr.  $14^{\circ} 05' 0''$

40.00 Set temporary  $1/4$  Sec Cor.

79.48 Intersect the N. By of the  $1/4$  Sec. S.  
 of the Cor. to Secs 25-30-31 & 36  
 recently established by me from  
 which Cor I run S.  $89^{\circ} 58' 0''$  E. on a  
 true line bet Secs 30 & 31 with  
 same cor

39.48 Set a malpais rock  $2 \times 12 \times 3$  ins  
 18 ins in the ground for  $1/4$  Sec. Cor.

marked  $1/4$  as N. face from which  
 a Juniper 12 ins diam. Trs N.  $40^{\circ} 0''$  E  
 123 lbs. dist. marked  $1/4$  S. B. J

A Juniper 18 ins diam. Trs. S.  $5^{\circ} 7.137$   
 lbs. dist. marked  $1/4$  S. B. J

79.48 The Cor to Secs 29-30-31 & 32

Surface rolling, Soil  $3^{rd}$  rate  
 Grass fair. Stems Juniper  $1/4$  Cedar Trunk



S. 22 N. R. 47. 9<sup>th</sup> S. R. 7M

Chains

North lot Secs 29 & 30  
 Tr.  $14^{\circ} 05' E$

Ascending

60.00 Set a walpole's rock 26x13x12 in  
 20 in in the ground for <sup>11</sup> Sec Cor  
 marked 4 on N. face and raised

a mound of stone along side

71.00 <sup>top of mountain</sup> <sup>practically</sup> top of mountain Tr.  $E$  and  $N$ . and  
 descend over rocky ridges

80.00 Set a volcanic rock 26x18x11 in  
 20 in in the ground for the Cor  
 to Secs 19-20-29<sup>th</sup> and 30 marked  
 with 2 notches on S. and 5 notches

on E edges and raised a mound of  
 stone along side from which  
 a cedar 8 in diam Tr.  $N. 30^{\circ} E. 58$  lbs

dist marked S. 22 N. R. 47. S. 20 B. 5.

A Juniper 7 in diam Tr.  $S 45^{\circ} E 67$

lbs. dist marked S. 22 N. R. 47. S. 29 B. 5.

J. 22 N. R. 4<sup>th</sup> S. R. 7<sup>th</sup>

4  
hairs

A Cedar 5<sup>th</sup> diam 7<sup>th</sup> S. 34° 7<sup>th</sup> 75 lbs  
dist marked S. 22 N. R. 4<sup>th</sup> S. 30 B.S.

A Juniper 7<sup>th</sup> diam 7<sup>th</sup> N. 70° 7<sup>th</sup> 36 lbs  
dist marked S. 22 N. R. 4<sup>th</sup> S. 19 B.S.

Soil 3<sup>rd</sup> rate

Grass fair

Scattering Cedar and Juniper

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East on or random line bet Secs 20 & 29

Var. 16° 05' E

Ascend N. W. slope of mountain

6.00 Descend N. E. slope of mountain

9.00 Bluff of rock 7<sup>th</sup> N. S.

14.00 Cross dry wash 10 lbs wide Co. N. E

40.00 Set temporary "N Sec Cor.

79.96 Intersect N<sup>th</sup> S. line 16<sup>th</sup> N. S. of  
the Gr to Secs 20-21-28 & 29 from

J. 22 N. R. 4 W. Gmd S, R. M.

Blunies

which Cor. I run S.  $89^{\circ} 53' 7''$  on a true line hit Secs 20<sup>th</sup> and 29 with same cor.

39.98

Set a mulpais rock 16x12x8 ins 11 ins in the ground for '4 Sec Cor. marked '4 on N. face. From which a Cedar 8 ins diam. Trs. S.  $40^{\circ}$  N. 100 lbs dist marked '4 S. B. S.

A Cedar 6 ins diam. Trs N.  $15^{\circ}$  W. 60 lbs dist marked '4 S. B. S.

79.96

The Cor to Secs. 19-20-29 500

Soil free mountainous

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

Grass fair

Do attorney Cedar<sup>and</sup> Juniper

Test on a random line hit Secs 19 & 30

Trs.  $14^{\circ} 15' E$



T. 22 N. R. 47. 6<sup>th</sup> S. R. 71

Bluffs

- .50 Cross arroyo 6 lbs wide Co. S. E. <sup>and</sup>  
ascend rocky ridge
- 8.00 Top of S. End of mountain <sup>75</sup> N. <sup>and</sup> S.  
High Peak 15.00 <sup>lbs</sup> N. of line
- 10.00 Descend N. slope of mountain
- 17.00 Enter dense Cedar <sup>and</sup> Juniper brush
- 20.00 Set temporary <sup>1/4</sup> Sec. Cor.
- 79.51 Intersect the N. By of <sup>1/4</sup> S. E. <sup>lbs</sup> N.  
of the Cor. to Secs 19-24-25 & 30  
Recently established by me  
From which Cor. I run N. 89° 52' E  
on a true line but Secs 19 & 30 with  
same cor.
- 39.51 Set a malpais rock 12 x 12 x 6 in  
quartz in the ground for <sup>1/4</sup> Sec. Cor  
marked <sup>1/4</sup> on N. face <sup>and</sup> raised a  
mound of stone along side <sup>for</sup> <sup>impracticable</sup>
- 79.51 Cor. of Secs 19-20 24-30  
Intersect mountains  
Set 3<sup>rd</sup> rate

J. 22 N. R. 4 T. 4<sup>th</sup> S. R. 7<sup>th</sup>

Chines

Grass fair  
Dense brush

North to Secs 19 and 20

Tr. N<sup>o</sup> 05<sup>o</sup> E

.75 Grass mow 8<sup>th</sup> wide Co. S. E  
and ascend

8.00 Top of mountain ridge and descend

13.00 Descend gradually

40.00 Set a malpais rock 17x9x6 ins  
11 ins in the ground for "U Sec Cor.  
marked "4 on N. face and raised a  
mound of stone along side  
from which

A Cedar 10 ins diam 75. E. 62<sup>th</sup> Sec  
dist marked "U S. B. F.

A Cedar 12 ins. diam 75<sup>th</sup> 38<sup>th</sup> Sec.  
dist marked "U S. B. F.

J. 22 N. R. 47. 6<sup>th</sup> S. R. 74

Claims

80.00

Set a malpais rods 18 x 16 x 6 in  
12 in in the ground fr. the cor.  
to Secs 17-18-19<sup>and</sup> 20 marked  
with 3 markers on S. <sup>and</sup> 5 markers  
on E. edges <sup>and</sup> raised a mound  
of stone along grade, pits impracticable  
Dunfries mountains

Soil 3<sup>rd</sup> rate

Grass fair

Scattering Cedar <sup>and</sup> Juniper trees

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

Cor. 14° 05' E

Ascend rocky mountain ridge

18.00 Top of ridge fr. N. N. <sup>and</sup> S. E <sup>and</sup>  
descend

40.00 Set temporary 1/4 Sec. Cor.



37  
T. 22 N. R. 4 W. 9<sup>th</sup> S. R. M

Claims

48.00 Cross ravine Co. N. W.

52.00 Ascend

80.08 Intersect N<sup>th</sup> and S. line 18<sup>th</sup> Sec N. of  
the Cor to Secs 16-17-20 & 21 from  
which Cor. I run N.  $89^{\circ}52'$  W. on  
a true line but Secs 17<sup>th</sup> and 20 with  
some var.

40.04

Set a Malpas stone, 14 x 10 x 9 ins., 9 ins.  
in the ground for  $\frac{1}{2}$  Sec, Cor, marked  $\frac{1}{2}$ . 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.

80.08 The Cor to Secs 17-18-19 & 20

Surface mountainous

Soil 3<sup>rd</sup> rate

Grass good

Scattering Juniper<sup>and</sup> Cedar brush

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J. 22 N. R. 4 T. 6<sup>th</sup> S. R. 30

Clines

Next on a random line bet Secs 18 & 19  
 Cor.  $140^{\circ} 05' E$

40.00 Set temporary "4 Sec. Cor.

79.48 Intersect the N. By of Sp 10 & the  
 S. of the Cor to Secs, 13-18-19 and  
 equally ~~establishing~~ <sup>being</sup> ~~me~~  
 from which Cor. I run  $S. 89^{\circ} 56' E$   
 on a true line bet Secs 18 and 19  
 with same cor.

39.48 Set a mul pair rods  $18 \times 10 \times 8$  ins  
 $12$  ins in the ground for "4 Sec  
 Cor. marked "4 on N. face and  
 raised a mound of stone alongside

79.48 <sup>fully impracticable</sup> In Cor. to Secs, 17-18-19 or 20  
 Surface rolling hills  
 Soil 2<sup>nd</sup> rate  
 Grass fair  
 Scattering Juniper and Cedar brush.

T. 22 N. R. 4 N. G<sup>4th</sup> S. R. M

Olinia

North lot Secs 17 and 18

Cor.  $14^{\circ} 05' E$ 

Ascent

10.00

Top of mountain ridge Trs. E & N.  
and Ascent

40.00

Set a masonry rock  $24 \times 12 \times 4$  ins  
18 ins in the ground for "4 Sec  
Cor. marked "Low" N. face <sup>and</sup> mound

a mound of straw along side

41.00

Grass ravine 3.00 Chs. wide <sup>1 ft. imp. or etc. able</sup> <sup>Course N. W.</sup>

45.00

Begin ascent

56.71

Cross A. & P. R. R. Trs. N.  $86^{\circ} \frac{1}{2}' N.$   
and  $S. 86^{\circ} \frac{1}{2}' E$ 

80.00

Set a masonry stone  $18 \times 12 \times 4$  ins, 12 ins. in  
the ground for Cor. to Secs, 7-8-17 & 18 marked  
with 4 notches on S. and 5 notches on E. edges,  
dug pits  $18 \times 18 \times 12$  ins. in each Sec.,  $5 \frac{1}{2}$  ft.  
dist. and raise a mound of earth 2 ft. high  
 $4 \frac{1}{2}$  ft. base. alongside

Surface mountainous



T. 22 N. R. 4 W. Grad S. R. M

Blains

Sail 2<sup>nd</sup> rate

Grass fair <sup>pick</sup>

Scattering Cedar and Juniper brush

East on a random line to Secs 8-17  
 Tr.  $14^{\circ}05' E$

8.00

Enter dense Cedar & Juniper brush

40.00

Set temporary "U" Sec Cor

79.94

Intersect N and S. line 12 Secs S.  
 of the Cr. to Secs 8-9-10-17 from  
 which Cr. I run S.  $89^{\circ}55' N$ . on  
 a true line but Secs 8-17 with  
 same var

39.97

Set a Malpais stone, 18 x 14 x 11 ins. 12 ins.  
 in the ground for  $\frac{1}{2}$  Sec, Cor, marked  $\frac{1}{2}$ . on "U"  
 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, 31 ft. base, alongside.

79.94

Follow Cr to Secs-7-8-17-18

BOOK 1011  
T. 22 N. R. 4 Th. G. and S. R. M

Clams

Surface walking  
Soil 1<sup>st</sup> rate  
Grass good  
Dense Juniper and Cedar brush

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Next on a random line but Secs  
7 and 18

Cor.  $14^{\circ} 06' E$

40.00 Set temporary "U Sec. Cr.

79.18 ~~Intersect~~ the N. By of Twp 12 also  
S. of the Cr to Secs 7, 12-13 & 18

Recently established by me  
from which Cr. I run S.  $89^{\circ} 55' E$   
on a true line but Secs 7 & 18  
with same corr.

39.18 Set a malpais rock  $14 \times 12 \times 8$  ins  
9 ins in the ground for "U Sec  
Cr marked "Low N. face" and raised

T. 22 N., R. 4 N. G and S. R. M

Clunio

79, 18  
 a mound of stone along side  
<sup>is impracticable</sup>  
 The Cor to Secs 7-8-17 & 18  
 Surface level drains S.  
 Soil 1<sup>st</sup> rate  
 Grass good  
 Scattering Cedar & Juniper Bush

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North lot Secs 7 & 8  
 For 14° 06' E

Ascending

60.00  
 Set a malpais rock 13 x 12 x 5 in  
 8 in in the ground for "4" Sec. Cor  
 numbered "4" in N. face and raised

80.00  
 a mound of stone along side  
<sup>is impracticable</sup>  
 Set a malpais rock 12 x 10 x 6 in  
 8 in in the ground for the Cor to  
 Secs 5-6-7 & 8 marked with  
 5 notches on S. & E. edges and raised



J. 22 N. R. 4 N. 4 and S. R. 7M

Cluins

A mound of stone along side  
<sup>into impracticable</sup>  
 surface mountainous  
 Soil gravelly 2<sup>nd</sup> rate  
 Grass good  
 Scattering Juniper brush

Eastward random line but Secs 5 & 8  
 for  $140^{\circ} 04' E$

40.00 Set temporary  $1/4$  Sec. Cor.

80.10 Intersect N. 0 S. line 14 lks. S. of  
 the Cor. to Secs 4-5-8 & 9 from  
 which Cor. I run S.  $89^{\circ} 54' W$ .  
 on a true line but Secs 5 & 8  
 with some error

40.05 Set a Malpais stone,  $17 \times 10 \times 8$  ins., 11 ins.  
 in the ground for  $1/4$  Sec. Cor. marked  $1/4$ . on N  
 face, dug pits  $18 \times 18 \times 12$  ins. E and W  
 of stone  $3 1/2$  ft. dist. and raised a mound of earth  
 $1 1/2$  ft. high,  $3 1/2$  ft. base. alongside.

J. 22 N. R. & W. G and S. R. M

Blunies

80.10

The Cr to Secs 5-6-7 & 8  
Surface high and mountainous  
Soil rocky 3<sup>rd</sup> rate  
Grass good  
No timber

Next on w random line bet Secs 6 and 7  
To N 40° 04' E

Descend

15.00 Cross array w 15 thes. wide to S. E

40.00 Set temporary "N" Sec. Cr.

40.25 Cross array w 15 thes. with to S.

79.70 Intersect the N. Bay of the T<sub>p</sub> 10 thes  
S. of the Cr. to Secs 4-6-7 & 12 from  
E. of <sup>recently</sup> established by <sup>me</sup>  
which Cr. I run S. 89° 56' E  
on a true line bet Secs 6 and 7  
with same run

39.70 Set a malpais rock 17 x 11 x 4 ins

T. 22 N. R. 47 W. G<sup>nd</sup> S. R. 71

Bluffs

11 mi in the ground for 1/4 Sec Cor.  
Worked 1/4 on N. face <sup>to</sup> raised a  
mound of stone along side, job impracticable

79.70

The Cor to Secs 5-6-7 <sup>and</sup> 8

Surface mountainous

Fair Ryeley 2<sup>nd</sup> rate

Grass land

No timber

North on a road one mile but Sec 5 to 6  
Tr. 14° 04' E

Ascending

18.00 Top of mountain Tr. 71.71 <sup>and</sup> S. E

24.00 Descend

40.00 Set temporary 1/4 Sec Cor

68.00 Enter valley Tr. 71.71 S. E

80.10 Intersect the N. Ry of the Twp.

10 lbs E. of the Cor to Secs 5-6



T. 22 N. R. 4 W. G. S. R. M

Claims

31 & 32 on the N. By of the Sp  
recently established by me  
from which Cr. Iron  $5.0^{\circ}$   $\text{N}^{\circ}$   $\text{E}$   
on a true line bet Secs 5 & 6 with  
same corr.

40, 10

Set a nail pair rods  $17 \times 11 \times 8$  ins  
11 ins in the ground for "U Sec, Cr"  
marked "U on N. face" and raised  
a mound of stone along side pits  
impracticably  
the cr to Secs 5-6-7 & 8

80, 10

Surface mountainous  
Soil 1<sup>st</sup> and 2<sup>nd</sup> rate

Grass good

Scattering Cedar and Juniper trees

I carefully examined the adjust-  
ments of my solar instrument  
to-day particularly the latitude  
and leveling apparatus and found  
them correct

## General Description

The surface of the township is mountainous, with a few very fertile valleys. but no living water and none can be had by digging so far as known. After the rainy season water can be had for a time in tanks in some of the washes.

It is of a volcanic formation. The soil is 4th and 1st. rate. The grass in this township cannot

be surveyed for  
richness and quantity.  
The Atlantic and  
Pacific Railroad  
runs through the  
~~Eastern~~ part of  
the township. It has  
a station in Sec. 16.

For final notes  
see Book No. 28



U. S. Surveyor General's Office,

Tucson, Arizona, 188

The foregoing Field Notes of the Survey of the

Subdivision Lines of  
Township 22 North,  
Range 4 West

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by J. J. Smith

Deputy Surveyor, under his contract of the 24<sup>th</sup>

day of July, 1883 having been

critically examined and the necessary corrections and explana-  
tions made, the said Field Notes and the surveys they describe

are hereby approved

Royal A. Johnson  
Surveyor General.