

SUBDIVISION

T25N. R3E.

JACOBS

BOOK 513

No. 513

4-671

513

FIELD NOTES
GENERAL LAND OFFICE.

No. 513

BOOK 513

Field Notes
of the Survey of the
Sub-division Lines
of
Township No. 25 North Range No 9 East
of the
Gila and Salt River Base and Meridian
in the
Territory of Arizona
as Surveyed by
Francis B. Jacobs
U.S. Deputy Surveyor,
Under his Contract No. 96
Dated June 30th 1902

Survey Commenced October 28th 1902
Survey Completed November 13th 1902

Subdivision of

Trans and duties of Assistants
 Sylvester Lufflin Chairman
 John Crawford Chairman
 Joseph Black Axeman
 John Williams Axeman
 Harry McHarris Flagman

BOOK 513

INDEX.

T. 25, N.

R. 9, E

6	93	5	69	4	54	3	39	2	21	1
91		90		68		53		38		20
7	89	8	69	9	52	10	37	11	19	12
87		86		66		51		35		17
18	84	17	64	16	50	15	34	14	16	13
83		81		63		48		32		15
19	80	20	61	21	47	22	30	23	13	24
79		77		60		45		29		12
30	76	29	59	28	44	27	27	26	11	25
74		73		58		43		25		9
31	71	32	56	33	41	34	23	35	8	36

J. 25 N. R. 9 E.

Preliminary catho in Tubs.
Sp. 24 N. R. 9 E.

T. 25. N. R. 9, E.

Survey commenced October 28th 1902
and executed with a Gwiley light
mountain transit N^o with a Burt
solar attachment.

I examine the adjustments of the
transit and correct the level and col-
limation errors and test the solar ap-
paratus on the true meridian estab-
lished by me at the Standard Corner
of Township N^o 25 North Range
N^o 9 and 10 East October 23rd and
24th 1902 and find it in satisfactory
condition

Subdivision of

Chains

I begin at the cor. of sec 25, 35 and 36 on the 6th Standard North - and S. Bdy of T₂₅. I run North $0^{\circ}01'W$ bet. secos, 35 and 36

Over level land through dense cedars

40.00 Set Malpais Stone $30 \times 10 \times 4$ ins 23 ins in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; from which

A Cedar 6 ins in diam. bears

N. $68\frac{1}{2}^{\circ}E$ 36 lks dist. marked $\frac{1}{4}S$ 36BT

A Cedar 8 ins in diam. bears

N. $12\frac{1}{2}^{\circ}W$ 48 lks dist. marked $\frac{1}{4}S$ 35 B.T.

80.00 Set Malpais Stone $16 \times 8 \times 6$ ins 11 ins in the ground for cor. of secos 25, 26, 35 and 36 marked with 1 notch on S and E. edges; from which

A Cedar 12 ins in diam. bears

N. $16^{\circ}E$ 92 lks dist. marked

T 25 N R 9 E S 25 B.T.

T. 25, T. R. 9, E.

Chains
 A Cedar 8 ins in diam. bears
 S $21\frac{1}{4}^{\circ}$ E 84 lks dist marked
 T. 25 T. R. 9, E. S 36 BT

A Cedar 10 ins in diam. bears
 S 17° W. 219 lks dist marked
 T. 25 T. R. 9, E. S 35 BT

A Cedar 10 ins in diam. bears
 N $70\frac{1}{4}^{\circ}$ W. 100 lks dist. marked
 T 25 T. R. 9 E S 26 BT

Land nearly level
 Soil 4th class
 Timber Cedar
 Dense Undergrowth 80.00 chns

East on a random line bet. Secs. 25 and 36

40.00 Set temp. 1/4 Sec. cor.

80.00 Intersect E. bdy. of Twp. at the cor. of
 Secs. 25, 30, 31 and 36

Thence I run

Subdivision of

Chains West on a true line bet. Secs 25 and 36
 Over level land through dense cedars
 40.00 Set Malpais Stone 16x8x5 ins 11 ins in
 the ground for $\frac{1}{4}$ Sec. cor. marked $\frac{1}{4}$ on
 N. face; from which
 A Cedar 6 ins in diam bears S. $19^{\circ}\frac{1}{2}$ W.
 27 lks dist. marked $\frac{1}{4}$ S 36 BT
 A Cedar 12 ins in diam bears N. $30^{\circ}\frac{1}{2}$ W
 76 lks dist. marked $\frac{1}{4}$ S 25 BT
~~Malpais Stone 16x8x5 ins 11 ins in~~
~~the ground for cor. face.~~
 80.00 The cor. 25, 26, 35 and 36
 Land Level
 Soil 11th rate
 Timber Cedar
 Dense Undergrowth 80 00 Chns.

T. 25, N. R. 9, E.

- Chains T. 0° 01' 94" lat secs. 25 and 26
Over broken and mountainous land
- 10.00 Enter canon bears North. Descend East side over ragged malpais gradually changing to red sandstone to bottom at
- 40.00 Set sandstone $30 \times 18 \times 12$ ins 12 ins in the ground to bedrock for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W face; and raised mound of stone 2 ft base $1\frac{1}{2}$ ft high N. of cor.
Pits impracticable.
Ascend precipice. 60 ft high
- 42.00 Top of precipice bears N E and; the canon turns N E at $\frac{1}{4}$ sec. cor.
- 60.00 On rocky ridge, descend
- 80.00 A sandstone in place $6 \times 36 \times 15$ ins above ground I mark with a cross at the exact cor. point for sec. 23, 24, 25 and 26 marked for cor. of secs 23, 24, 25 and 26 marked with 2 notches on S and 1 notch on E.
edges and raised a mound of stone

Subdivision of

Chains 2 ft. base $1\frac{1}{2}$ ft high N. of cor.
 A Cedar mine hrs. $N1\frac{1}{2}^{\circ}W$ 2.33 lks marked $\frac{1}{4}S$, 26 B.T.
 Land. Mountainous and broken
 Soil $1\frac{1}{2}$ rate
 Timber Cedar
 Mountainous land 80.00 chains
 October 28th 1902

East on a random line bet secs. 24 and 25
 40.00 Set temp $\frac{1}{4}$ sec. cor.
 80.08 Intersect E. body of Tpt. 37 lks N. of the
 cor. of secs. 19, 24, 25 and 30
 Thence Iron
 N $89^{\circ}44'W$ on a true line bet. secs. 24 and 25
 Over rough broken ground
 3.15 Descend red bluff
 8.00 Bottom, Ascend
 19.30 Dim road bears SE and N. N
 34.00 Top of flat top hill
 38.20 Descend

T. 25. N. R. 9. E.

Chains

- 40.04 Set red sandstone 18x10x6 ins 12 ins in the ground to bedrock for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N face; and raised a mound of stone 2 ft. base $1\frac{1}{2}$ ft high N. of cor. Pits impracticable.
- 50.50 Bottom of hill, ascend
- 80.08 The cor of secs. 23, 24, 25 and 26
Land mountainous and broken
Soil 4th rate. No timber.
Mountainous Land 80.08 chain
-
- N-0°01' W. bet secs. 23 and 24
are very broken and rough land
along the foot of volcanic mountain
- 2.50 Descend into Cañon
- 4.30 Cañon 60 ft wide 60 ft deep course N30° E
- 6.60 Top of left wall of cañon
- 25.00 Ascend spur of mountain; slope E.
- 32.60 Road to Heiser's Well bears E and W

Subdivision of

Chains

- 35.00 Top of Spur bars E and W
- 40.00 Set Malpais stone 20x8x6 ins 10 ins in
the ground to bedrock for $\frac{1}{4}$ Sec. cor.
marked $\frac{1}{4}$ on W face; and raised a
mound of stone 2 ft. base $1\frac{1}{2}$ ft. high
W. of cor.; from which
A cedar 6 ins in diam. bears
S $77\frac{1}{4}$ E 165 lks dist. marked $\frac{1}{4}$ S 24 B.T.
- 76.50 Foot of precipitous Lava stone bluffs
Ascend
- 79.50 Top of Mesa Spur
- 80.00 Set Malpais stone 18x10x8 ins 10 ins in
to bedrock
the ground for cor of secs 13, 14, 23 and
24 marked with 3 notches on S and
1 notch on E edge and raised a mound
of stone 2 ft base $1\frac{1}{2}$ ft high W. of cor.
Pits impracticable. No trees
Land mountainous
Soil 4th rate No timber

T. 25. N. R. 9, E.

Chains Mountainous land 80 00 chains

S 89° 44' E on a random line bet secs. 13 and 24

40.00 Set temp 1/4 sec. cor

79.82 Intersect E bdy of ^{1/4} sec. of the cor. of
13, 18, 19 and 24

Thence I run

N. 89° 42' W on a true line bet secs. 13 and 24

Over broken land

39.91 Set Sandstone 16x12x8 ins 11 ins in the
ground for 1/4 sec. cor. marked 1/4 on N
face; dug pits 18x18x12 ins E and W
of stone 3ft dist; and raised a
mound of earth 3 1/2 ft base 1 1/2 ft high
N. of cor.

ascend gently

77.82 Perceptions ascent to

79.82 The cor. of secs. 13, 14, 23 and 24

Land mountainous and broken

Subdivision of

Chains Soil 4th rate No timber
 Mountainous land 77.82 chns

October 29th 1902

No. 01st bet secs. 13 and 14

Descend over broken land

40.00 Set Malpais stone 24x10x6 ins 18 ins
 in the ground for $\frac{1}{4}$ Sec. cor. marked
 $\frac{1}{4}$ on W. face; dug pits 18x18x12 ins
 N and S of stone; and raised a mound
 of earth $3\frac{1}{2}$ ft base $4\frac{1}{2}$ ft high W. of cor.
 from which A Cedar 7 ins in diam.
 bears S. 74° E 135 lbs dist marked
 $\frac{1}{4}$ S 13 BT

Land broken to

48.00 Foot of precipitous sandstone hill
 ascend

56.00 Top of rocky hill

70.00 Top of mesa

T. 25, N. R. 9, E.

Chains

80.00

Set Malpais 20x8x6 ins 15 ins in
the ground for cor of secs 11, 12, 13 and 14
marked with 4 notches on S and 1
notch on E edges, dug pits 18x18x12 ins
in each sec. 5 1/2 ft dist.; and raised
a mound of earth 4 ft base 2 ft high
W. of cor.

Land mountainous

Soil 4th rate No timber

Mountainous land 80.00 chains

S 89° 42' E on a random line bet. secs 12 and 13.

40.00 Set temp 1/4 Sec. cor.

79.89 Intersect E bay of Twp. 14 lks S of the cor.
of Secs. 7, 12, 13 and 18

Thence I run

N. 89° 48' W on a true line bet. secs 12 and 13

Ascend

19.50

Red hill, Descend

Subdivision of

Chains

23.00 Bottom, ascend

25.00 Descend

27.50 Ascend

39.94½ Set sandstone 18x10x5 ins 12 ins in
 the ground for ¼ sec. cor. marked ¼ on
 N. face; dug pits 18x18x12 ins E and W
 of stone 3 ft dist; and raised a mound
 of earth 3½ ft. base 1½ ft high N of cor.
 from which a cedar 7 ins in diam bears
 N. 6° E 197 lks dist. marked ¼ S 12 B.T.

53.00 Ascend Sandstone bluff

68.00 Top

79.89 The cor of secs. 11, 12, 13 and 14

Land Mountainous

Soil 4th rate No timber

Mountainous Land 79.89 Chns.

October 30th 1902

J. 25th N. R. 9, E.

- Chains No. 01 N. bet. Deep 11 and 12
- 7.50 Over mesa, gently rolling
- 40.00 Set Pine stone 24x10x6 ins 18 ins in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dug pits 18x18x12 ins N and S of stone 3 ft. dist.; and raised a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high W. of cor.
- 60.00 Descend over precipitous rocky bluff
- 76.50 Bottom of cañon 200 ft. deep comes N. E.
- 79.00 Ascend bluff 25 ft. high
- 80.00 Top of bluff a sandstone in place 3 ft. above ground bears N and S I mark with a cross at the exact cor. point for corner of recs. 1, 2, 11 and 2 with 5 grooves on S and 1 groove on E sides; and raised a mound of stone 2 ft base $3\frac{1}{2}$ ft high West of cor.
- Land mountainous
- Soil 4th sate No timber

Subdivision of

Chains

Mountainous land 80.00 Chains

This cor. is 150' below top of Cañon walls on point
between two cañons which unite 5 chns. S.E.

S 89° 48' E. on a random line bet. secs 1 and 12

40.00 Set temp. 1/4 Sec. cor.

80.18 Intersect E bdy of T₁₉ lks S of the
Cor. of secs. 1, 6, 7 and 12

Thence I run

N. 89° 56' W. on a true line bet secs 1 and 12

Descend gently

70.00 Foot of bluff

21.25 Top of bluff - face S E.; descend

27.00 Bottom of deep gulch course ^{N.} N.E.

38.50 N. point of ridge

40.09 Set sandstone 30 x 12 x 6 ins 10 ins in
the ground to bedrock for 1/4 Sec. cor.
marked 1/4 on N face; and raised
a mound of stone 2 ft. base 1 1/2 ft.
high N of cor.

T. 25. N. R. 9, E.

Chains

Ascend

46.00 Gulch course N. E. (same gulch)

Ascend

55.00 Top

60.00 Descend to

74.00 Top of Cañon wall

76.50 Bottom of Cañon Course S. 81° E.

77.75 ascend to

80.18 The cor of secs. 1, 2, 11 and 12

Land mountainous

Soil 4th rate, No timber

Mountainous land 80.18 chains

N. 0° 01' W on a random line bet secs. 1 and 2

40.00 Set temp 1/4 sec. cor.

79.40 Intersect N. bdy of Twp. 38 lks E. of cor. of

Sect. 2, 35 and 36

Thence I run

Subdivision of

- Chains 50°17' E on a true line bet sec 1 and 2
- 6.00 Top, descend
- 12.44 Head of cañon course E.
- 39.40 Set Limestone 20x10x8 ins 15 ins in
the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on
N. face; dug pits 18x18x12 ins N and S
of stone; and raised a mound of earth
3 $\frac{1}{2}$ ft. base 1 $\frac{1}{2}$ ft high N. of cor.
- 72.50 Top of N. wall of cañon
- 77.00 Bottom of cliff cañon course S. 80° E.
- 79.00 ascend bluff 20 ft. high
- 79.40 The cor. of secs. 1, 2, 11 and 12
Land broken
Soil 4th rate No timber
Mountainous land 79.40 @ bus.

October 31st. 1902

T. 25 N. R. 9, E.

Chains November 1st At 8^h 0^m a.m. I set off 35° 28' on the lat. arc; 14° 15' S on the decl. arc and determine a true meridian with the solar at the cor. of Secs. 34 and 35, on the 6th Standard T. T 25 N R 9 E. which is a stone 8x8x8 ins above ground, firmly set and properly marked and witnessed.

Thence South

N. 0° 01' W. bet Secs 34 and 35
Descend

2.80 Top of Rock bluff 60 ft. high

3.20 Bottom of Cañon Course N. E.

Ascend

17.40 Top of ridge trans. E and W

22.50 Bottom

29.00 Ascend

40.00 Set Limestone 18x12x6 ins 12 ins in ground for 1/4 Sec. cor. marked

Subdivision of

- Chains $\frac{1}{4}$ on W face; from which
 A Cedar 12 ins in diam bears $S 87\frac{1}{2}^{\circ} E$
 218 lks dist. marked $\frac{1}{4} S 35 BT$
 A Cedar 8 ins in diam bears $S 25\frac{1}{4} W$
 153 lks dist. marked $\frac{1}{4} S 34 BT$
- 52.00 Top of ascent on E slope of ridge
 64.00 Draw Course $N 10^{\circ} W$
 70.00 Top of ascent on W. slope of bluff
 80.00 Bottom of draw Course $N. E.$
- Set Sandstone $18 \times 10 \times 5$ ins 12 ins in
 the ground for cor of Secs. 26, 27, 34
 and 35 marked with 1 notch on S
 and 2 notches on E edges from which
 A Cedar 12 ins in diam. bears
 $N. 55^{\circ} E$ 99 lks dist marked
 $T 25 N R 9 E S 26 BT$
 A Cedar 12 ins in diam bears
 $S 45\frac{1}{4} E$ 36 lks dist. marked
 $T 25 N R 9 E S 35 BT$

T. 25, N. R. 9, E.

Chains

A Cedar 10 ins in diam. bears

S 44 1/2 W 244 lks dist marked

T 25 N R 9 E S 34 BT

A Cedar 7 ins in diam bears

N. 21 W. 145 lks dist marked

T 25 N R 9 E S 27 BT

Land very broken and mountainous

Soil ~~4~~ ^{1/2} rate - No timber

Mountainous land 80.00 Chns

East on a random line bet Secs 26 and 35

40.00 Set temp 1/4 sec. cot.

80.13 Intersect N and S line at the cor of

Secs. 25, 26, 35 and 36

Thence South

West on a true line bet. secs. 26 and 35

16.00 Bottom of deep gulch. Course North

37.00 Rock ridge bears N. and S.

Ascend

Subdivision of

Chains

- 40.06 1/2 Set volcanic Stone 24x8x6 ins 10 ins
in the ground to bedrock for 1/4 Sec. cor.
marked 1/4 on N face; and raised a
mound of stones 2 ft base 1 1/2 ft high
N of cor. Fits impracticable
- 41.00 Bottom
- 41.80 Top of Rock Knoll
- 51.60 Top of E. Wall of Cañon
- 52.75 Bottom of Cañon 60 lbs wires
- 56.00 Ascend Cañon wall
- 70.00 Ridge bears N and S
descend
- 80.13 The cor of sec. 26, 27, 34 and 35
Land broken and mountainous
Soil 11th rate - No timber
Mountainous land 80.13 Chus.

J. 25, N. R. 9, E.

Chains	N ⁰⁰ 01 ^W . bet secs. 26 and 27
	Cross mountainous lands through dense cedars. Ascend
16.00	Top of rocky bluff
26.50	Descend
40.00	Set Limestone 16x8x5 ins 11 ins in the ground for $\frac{1}{4}$ sec. cot. marked $\frac{1}{4}$ on W face; dig pits 18x18x12 ins N and S of stone 3 ft. dist; and raised a mound of earth 3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high W of cot; from which A. Cedar 10 ins in diam. bears N 82 $\frac{1}{2}$ W 205 lbs dist marked $\frac{1}{4}$ S 27 B.T.
40.25	Bottom of Cañon Course S. E. 8 chains thence N. E.. Ascend
43.00	Rock bluff 60 ^{ft} high above $\frac{1}{4}$ cot. face W.
66.00	Bottom same cañon
77.00	Top of West bank of cañon
80.00	Set Limestone 15x10x5 ins 11 ins in the ground for cot of secs. 22, 23, 26 and

Subdivision of

Chains 27 marked with 2 notches on
S and E ~~faces~~^{edges}, from which

A Cedar 10 ins in diam bears

N. $72\frac{1}{2}^{\circ}$ E 179 lks dist, marked

T 25 N R 9 E S 23 BT

A Cedar 12 ins in diam bears

S. $21\frac{1}{4}^{\circ}$ E, 143 lks dist, marked

T 25 ~~R~~ R 9 E S 26 BT

A Cedar 8 ins in diam bears

S $71\frac{3}{4}^{\circ}$ W, 100 lks dist, marked

T 25 N R 9 E S 27 BT

A Cedar 7 ins in diam bears

N. 45° W 188 lks dist, marked

T 25 N R 9 E S 22 BT

Land Mountainous, and broken
Soil $11\frac{1}{2}$ ft

Timber Cedar

Mountainous land, or dense
undergrowth 80.00 Phamien

November 1st 1902

T. 25, N. R. 9, E.

Chains	East on a random line bet Secs. 23 and 26
40.00	Set temp $\frac{1}{4}$ sec. cor
80.20	Intersect N and S line 11 lks N. of the cor of secs 23, 24, 25 and 26 Thence down N. $89^{\circ}56'$ to a true line bet secs. 23 and 26 Over Mountainous land
2.00	Wall of cañon 60 ft. deep
3.00	Bottom of Cañon corner N.E.
5.00	Wall of Cañon Top - and ascend to
30.00	Malpais cliff about 25 ft. high
40.10	Set Malpais stone $24 \times 10 \times 6$ ins in the ground to bedrock for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on N face and raised a mound of stone 3 ft base $2\frac{1}{2}$ ft high N. of corner.
40.50	Malpais bluff 20 ft. high face S
58.00	Top of gentle ascent, around steep

Subdivision of

Chains

- 60.50 Top of steep bank
 67.00 Gulch course N.E. 3 chns thenes E
 78.00 Top of W. bank. Level to -
 80.20 The Cor of Secs. 22, 23, 26 and 27
 Land Mountainous, broke and rough
 Soil $\frac{1}{4}$ rate No timber
 Mountainous land 80.20 chns.

N $0^{\circ}01'$ W. bet secs 22 and 23

Over rolling land through dense Cedars

29.35 Dike road bears N. E. and S. W.

31.50 road from Camp to Otis's well bears E. W.

40.00 Set Limestone 30x12x5 ins 22 ins in

the ground for $\frac{1}{4}$ sec cor (marked) $\frac{1}{4}$ on
 W face; from which

A Cedar 10 ins in diam bears N $44^{\circ}30'$ E

47 lks dist. marked $\frac{1}{4}$ B 23 BT

A Cedar 8 ins in diam bears N 59° W

T. 25, N. R. 9, E.

- Chains 181 lks dist. marked $\frac{1}{4}$ S 22 B T
- 45.00 Descend abrupt
- 55.50 Gulch course N.E.
- 60.00 Top of bank.
- 80.00 Set Limestone $20 \times 8 \times 8$ ins 15 in the ground for cor of secs. 14, 15, 22 and 23 marked with 3 notches on S and 2 notches on ~~E~~ ^{edges}; from which
- A Cedar 8 ins in diam bears
- N. 54° E 210 lks dist marked
- T 25 N R 9 E S 14 B T
- A Cedar 6 ins in diam bears
- S 42° 4 E 63 lks dist marked
- T 25 N R 9 E S 23 B. T.
- A Cedar 6 ins in diam bears
- S 20° 4 W 234 lks dist marked
- T 25 N R 9 E S 22 B T
- A Cedar 6 ins in diam bears
- N 66° W 120 lks dist marked
- T 25 N R 9 E S 15 B T

Subdivision of

Chains Land gently rolling
Soil 4^{th} rate
Timber Cedar
Dense Undergrowth 80.00 chns.

S. 89° 56' E on a random line bet.

Secs. 14 and 23

40.00 Det. temp. $\frac{1}{4}$ Sec. cor.

80.35 Intersect Trans. line 9 lks N of the.
cor. of Secs. 13, 14, 23 and 24

Thence S on

N. 89° 52' W on a true line bet. Secs.

14 and 23

Ascend steep volcanic mountain

18.00 Top of East rim of crater

20.00 Bottom of crater

26.00 Top of West rim of crater

trans N. 3 chns and S 25 chains

T. 25, N. R. 9, E.

- Chains Ascend very steep slope
- 37.00 Bottom or foot of mountain
- 40.175² Set Malpais Stone 16x12x8 ins 11 ins in
the ground for $\frac{1}{4}$ sec cot marked $\frac{1}{4}$ on
N face; from which
A cedar 8 ins in diam bears S. 40 $\frac{1}{2}$ ° E
145 lbs dist marked $\frac{1}{4}$ S 23 BT
- A cedar 6 ins in diam bears N 3° W
214 lbs dist marked $\frac{1}{4}$ S 14 BT
- 45.50 Descend
- 51.50 Deep gulch course North. Ascend
- 62.00 Top of N. bank
- 80.35 The cor of secs. 14, 15, 22 and 23
Land Mountainous
Soil 4th rate
Timber Cedar
Mountainous land or dense
Undergrowth 80.35 chuse,

Subdivision of

Chains	N. 0° 01' W bet. secs. 14 and 15
	Cross broken land, through dense Cedars
1.00	Descend into Cañon
13.00	Bottom of Cañon 75 lks wide Course N 20° E
14.25	ascend
24.00	Top of Left wall of cañon
40.00	Set Limestone 16 x 8 x 5 ins 11 ins in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ on W face; from which A Cedar 4 ins in diam bears N 71 $\frac{1}{2}$ ° E 52 lks dist marked $\frac{1}{4}$ S 14 B T A Cedar 7 ins in diam bears S 43 $\frac{1}{2}$ ° W 153 lks dist, marked $\frac{1}{4}$ S 15 B T
50.00	Descend into confluent cañon
57.00	Bottom 60 lks wide course S 70° E
69.00	Top of Left. wall of cañon
80.00	Set Limestone 18 x 12 x 8 ins 12 ins in the ground for cor. of secs. 10, 11, 14 and 15 marked with H notches on S and 2 notches on E edges dug pits 18 x 18 x 12

T. 25 N. R. 9, E.

Chains run in each section 50 ft. dist; and raised mound of earth 4 ft base 2 ft. high N. of corner.

Land broken by deep cañons

Soil 4th rate

Timber Cedar

Mountainous land and dense undergrowth - 80.00 chrs.

November 2nd 1902

S 89° 52' E on a random line bet. secs.

11 and 14

40.00 bet temp. 1/4 Sec. cot.

80.24 Intersect N. and S line 7 lks S of the cor of secs. 11, 12, 13 and 14

Thence I run

N. 89° 55' W on a true line bet secs

11 and 14

Ascend gently over mesa through

Subdivision of

Chains	cedars to a deep Cañon
36.00	Top of Right Wall of Cañon
40.12	on bench set Limestone 20x8x5 ins 11 inches in the ground to bedrock for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N face; and raised a mound of stone 2 ft Base $\frac{1}{2}$ ft high N. of cor. Pits impracticable!
42.00	Bottom of Cañon 100ft deep Course N57E
43.00	Around over rocks
52.00	Top -
80.214	The cor. of secs. 10, 11, 14 and 15 Land broken by cañons Soil 4 th rate No timber Mountainous land and dense undergrowth 80.214 chaser

T 25 N. R. 9, E.

X Chains	T 25 N. R. 9, E. bet. secs. 10 and 11
	Over rolling land, through cedar.
36.00	Descend
40.00	Set Limestone 20x10x8 ins 15 ins in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W face; dug pits 18x18x12 ins N and S of stone 3 ft dist; and raised a mound of earth $3\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high W. of cor.
41.00	Ascend
46.00	Top
80.00	Set Limestone 16x12x8 ins 11 ins in the ground for cor of secs. 2, 3, 10 and 11 marked with 5 notches on S and 2 notches on E ^{edges} faces ; dug pits 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft. dist; and raised a mound of earth 4 ft base 2 ft high W of cor.
	Land mountainous
	Soil 4 th rate No timber.
	Mountainous Land 8000 chains

Subdivision of

Chains

November 3rd 1902

S 89° 55 E. on a random line bet. secs.

2 and 11

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

80.26 Intersect T and S line at cor of

secs. 1, 2, 11 and 12

Thence I run

N 89° 55 W. on a true line bet. secs.

2 and 11

Over broken land

Ascend S side of cañon

16.26 Top of cañon walls

40.13 Set Limestone 18 x 10 x 8 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 E and W

of a stone 3 ft dist; and raised a mound
of earth 3 $\frac{1}{2}$ ft base 1 $\frac{1}{2}$ ft high N of cor.

Through cedars

80.26 The cor of secs. 2, 3, 10 and 11

Land rough and rolling

T. 25, N. R. 9, E.

Chains Soil 4th rate No Timber
 Mountainous land 80.26 chns.

N⁰⁰01' W on a random line bet secs.

2 and 3

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

79.70 Intersect N. bdy of the tp 42 chs E of the cor
 of secs. 2, 3, 34 and 35
 Thence South

S⁰19' E on a true line bet. secs 2 and 3
 Over rolling land through dense Cedars

34.00 Draw course East

39.70 Set Limestone 16x8x4 ins 11 ins in
 the ground for $\frac{1}{4}$ sec. cor marked $\frac{1}{4}$
 on W face; dug pits 18x18x12 ins N and
 S of stone 3 ft dist; and raised a
 mound of earth 3 $\frac{1}{2}$ ft base $\frac{1}{2}$ ft high
 N. of corner.

Subdivision of

Chains

Thence through brush

79.70

The cor of secs 2, 3, 10 and 11

Land rolling

Soil 4th rate No timber

Dense undergrowth 79.70 Chns.

November 4th 1902

T. 25 N. R. 9 E.

- Chains From the standard cor on the S bdy of the T₁ which is a malpais stone 10 x 14 x 8 ins above ground firmly set and properly marked and witnessed I own
- T₁ 0° 02' W. bet. secs 33 and 34
- Over nearly level land through a very dense growth of Cedars
- 40.00 Set Limestone 14 x 10 x 8 ins 10 ins in the ground for 1/4 Sec. cor. marked 1/4 on W face; from which
- A Cedar 8 ins in diam. bears T₁ 61 3/4 E.
- 99 links dist. marked 1/4 S 34 BT
- A Cedar 8 in in diam bears T₁ 78 1/2 W
- 36 lks dist. marked 1/4 S 33 BT
- 80.00 Set Limestone 20 x 10 x 6 ins 15 ins in the ground for cor. of secs. 27, 28, 33 and 34 marked with 1 notch on S and 3 notches on E ^{edges} ~~faces~~; from which

Subdivision of

Chains A Cedar 6 ins in diam bars
 N 66 $\frac{1}{2}$ ° E 91 links dist. marked
 T 25 N R 9 E S 27 BT

A Cedar 10 ins in diam bars
 S 60 $\frac{3}{4}$ ° E 92 lks dist. marked
 T 25 N R 9 E S 34 BT

A Cedar 8 ins in diam bars
 S 83° W 20 lks dist. marked
 T 25 N R 9 E S 33 BT

A Cedar 7 ins in diam bars
 N 4 $\frac{1}{2}$ ° W 43 lks dist. marked
 T 25 N R 9 E S 28 BT

Land nearly level

Soil 4th rate volcanic cinders

Timber Cedar

Dense Undergrowth 80.00 Chms

J. 25th R. 9, E.

- Chains East on a random line bet. secs.
27 and 34
- 40.00 Set temp $\frac{1}{4}$ Sec. cot.
- 80.45 Intersect Trans S line 30 lks N. of the
cot of secs. 26, 27, 34 and 35
Thence I run
N $89^{\circ} 47'$ How a true line bet. secs.
27 and 34
- 1.00 ascend
- 8.00 Top of rim of Gulch bears Trans S
- 40.22 $\frac{1}{2}$ Set Limestone 20x10x8 ins 15 ins in
the ground for $\frac{1}{4}$ sec cot, marked $\frac{1}{4}$ on N
face; from which
A Cedar 8 ins in diam bears N. 40° E
71 lks dist. marked $\frac{1}{4}$ S 27 B T
A Cedar 6 ins in diam bears S $41\frac{1}{2}^{\circ}$ E
92 lks dist. marked $\frac{1}{4}$ S 34 B. T.
- 80.45 The cot secs 27, 28, 33 and 34
Land rolling, volcanic cinders.
Soil 4th class 20

Subdivision of

Chains Timber Cedar

Dense Undergrowth 80.45 Chns.

N. 0° 02' W. bet. Secs 27 and 28

Over rolling land gently ascend
through dense cedars40.00 Set Limestone 16x8x5 ins 11 ins in
the ground for 1/4 sec cor marked

1/4 on W face; from which

A Cedar 12 ins in diam bears ^{N 15° E}~~N 27° E~~51 ~~70~~ lks dist marked 1/4 S 27 B.T.A Cedar 8 ins in diam bears ^{N 6 1/2° W}~~N 27° E~~50 ~~70~~ lks dist marked 1/4 S 28 BT

63.50 Road bears N.E. and S.W.

80' 00 Set Limestone 18x10x5 ins 12 ins
in the ground for cor of Secs. 21, 22,
27 and 28 marked with 2 notcheson S and 3 notches on E ^{edges} faces, from which

A Cedar 5 ins in diam bears

T. 25. N R. 9. E.

Chains N. ~~211~~²³⁰ E 68 lks dist. marked

T 25 N R 9 E S 22 BT

A Cedar 6 ins in diam bars

S ~~244~~³⁰⁰ E ~~30~~⁵⁰ lks dist. marked

T 25 N R 9 E S 27 BT

A Cedar 5 ins in diam bars

S ~~272~~^{360 W} E 52 lks dist. marked

T 25 N R 9 E S 28 BT

A Cedar 5 ins in diam bars

N ~~444~~⁴⁶² W 94 lks dist. marked

T 25 N R 9 E S 21 BT

Land covered by volcanic cinder
 Soil 4th rate - Timber Cedar
 Dense Undergrowth 80.00 Chrs

S 89° 47' E on a random line bet secs.

2 R and 27

40.00 Det. timber 1/4 sec. cot.

Subdivision of

Chains

- 80.37 Intersect N and S line 3 lks N. of
cor of secs. 22, 23, 26 and 27
Thence I run
N. $89^{\circ}46'$ W. on a true line bet
Secs. 22 and 27
Cov level laid through dense Cedars
- 33.30 Road bears N 60° E and S 60° W
- 40.18 1/2 Set Limestone 18x12x8 ins 12 ins in
the ground for 1/4 sec. cor. marked 1/4^o
on N face: from which
A Cedar 8 ins in diam bears N ~~70~~³⁹ E
146 lks dist marked 1/4 S 22 B.T
A Cedar 6 ins in diam bears S ~~70~~^{89 1/2} W
17 ~~77~~ lks dist. marked 1/4 S 27 B.T.
- 80.37 The corners 21, 22, 27 and 28
Land level and covered by cinders
Soil 4th - pate
Timber Cedar
Dense Undergrowth 80.37 Chino.

T. 25 N. R. 9, E.

Chains

 T 0002 N bit. sec 21 and 22

 Gently ascending through
 some Cedars

40.00 Set Limestone 16 x 12 x 8 ins 11 ins in the

 ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
 W face; from which
A Cedar 7 ins in diam bears T 59 $\frac{1}{4}$ E146 lks dist. marked $\frac{1}{4}$ S 22 BT

A Cedar 6 ins in diam bears S 16° W

15 lks ^{dist} marked $\frac{1}{4}$ S 21 B.T.

80.00 Set Sandstone 16 x 10 x 8 ins 11 ins in the

 ground for cor of secs 15, 16, 21 and 22
 marked with 3 notches on the S and E

~~face~~
 ledges, from which

A Cedar 6 ins in diam bears

T. 26 $\frac{1}{4}$ E 418 lks dist marked

T 25 N. R 9 E S 15 BT

Subdivision of

Chains

A Cedar 6 ins in diam bears

S $10\frac{1}{2}^{\circ}$ E 120 lks dist marked

T 25 N R 9 E S 22 BT

A Cedar 3 ins in diam bears

S $24\frac{1}{2}^{\circ}$ W 175 lks dist marked

T 25 N R 9 E S 21 B.T.

A Cedar 4 ins in diam bears

N. 40° W 243 lks dist. marked

T 25 N R 9 E S 16 BT

Land covered with cinders

Soil 4^{th} rate

Timber Cedar

Dense Undergrowth 80.00 Chms

November 5th 1902S 89° $46'$ E, on a random bit sees

15 and 22

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

80.31 Intersect Trans S line 12 lks S of

T. 25 N. R. 9, E.

- Chains corner of Secs 14, 15, 22 and 23
 Thence South
 N. 89° 51' W. on a true line bet sec.
 15 and 22
 Over broken land covered by cedars
 21.00 Descend into gulch
 26.50 Bottom of gulch course N. 8° E 1.00 Ch.
 thence N. 70° E
 34.25 Top of rocky bank. Ruins bears
 S 10° E 3.50 chns. dist
 40.153 Set Limestone 18x14x4 ins 12 ins in the
 ground for 1/4 sec. cor. marked 1/4 on
 N face; from which
 A cedar 6 ins in diam bears N 41 1/2° E
 246 lks dist. marked 1/4 S 15° 13' T
 A cedar 4 ins in diam bears S 15 1/4° E
 113 lks dist. marked 1/4 S 22° 13' T
 80.31 The cor of secs 15, 16, 21 and 22
 Land covered by cinders -
 Soil H^{AB} rate

Subdivision of

Chains Timber Cedar

Dense Undergrowth 80.31 Chms

N 70° 02' W bet. secs. 15 and 16

Over nearly level land through
dense cedars40.00 Set Limestone 20x10x6 chms 15 ins in
the ground for $\frac{1}{4}$ sec. cor. marked
 $\frac{1}{4}$ on W face; from whichA Cedar 6 ins in diam bears N. 86 $\frac{1}{2}$ ° E116 lbs dist marked $\frac{1}{4}$ S 15 B T

A Cedar 4 ins in diam bears N 41° W

110 lbs dist, marked $\frac{1}{4}$ S 16 B T80.00 Set Limestone 20x12x8 ins 15 ins in
the ground for cor. of secs. 9, 10, 15
and 16 marked with 4 notches on S
and 3 notches on E. edges; from which
dug pits 18x18x12 ins in each
sec. 5 $\frac{1}{2}$ ft dist; and raised or mound
of earth 4 ft base 2 ft high W of cor.

T 25 N. R. 9. E.

Lands covered by cinders with sand
stone exposed in places-

Soil 4th rate-

Timber Cedar

Dense Undergrowth 80.00 chrs

S 89° 57' E on a random bet. secs-

10 and 15

40.00 Set temp. 1/4 sec. cot.

80.27 Intersect N and S. line 16 lks S. on cot. of
secs. 10, 11, 14 and 15

Thence I ran

N. 89° 58' W. on a true line bet. secs

10 and 15

Over rocky land through cedars

40.13 1/2 Set Limestone 20x18x12 ins 15 ins in the
ground for 1/4 sec. cot. marked 1/4 in N
face; dug pits 18x18x12 ins E and W

Subdivision of

Chains of stone 3 ft. dist; and raised a mound of earth $3\frac{1}{2}$ ft base $1\frac{1}{2}$ ft high N. of cor.;

80.27 The cor of secs. 9, 10, 15 and 16
 Sand sandstone exposed and
 Cedars thickets
 Soil 4th rate No timber
 Dense undergrowth 80.27 Chis

N. 0° 02' W bet secs. 9 and 10

Gently descend through cedars
 40.00 Set Limestone $24 \times 12 \times 8$ ins 10 ins in
 the ground ^{to bedrock} for $\frac{1}{4}$ sec cor, marked
 $\frac{1}{4}$ in N face; dug pits $18 \times 18 \times 12$ ins
 N and S of stone 3 ft dist; and
 raised a mound of stone $3\frac{1}{2}$ ft base
 $1\frac{1}{2}$ ft high N of cor.

T. 25, N. R. 9, E.

Chains

80 00 Set Limestone 20x10x5 two 15 ins in the
ground for cor of secs 3, 4, 9 and 10
marked with 5 notches on S and 3
notches on E. ~~feet~~ ^{edges} dug pits 18x18x12
ins in each sec. 5 1/2 ft dist; and raised
a mound of earth 4 ft base 2 ft high
W. of cor.

Land exposed sandstone and
cedar brush - gentle slope NE
Soil 4th rate No timber
dense Undergrowth 80.00 Chas.
November 6th 1902

S 89° 58' E. on a random line bet secs.
3 and 10

40.00 Set temp 1/4 Sec. cor.

80.20 Intersect N and S line ^{5'} ~~1/2~~ W. of cor of
secs 2, 3, 10 and 11

Thence S and

Subdivision of

Chains West on a true line bet secs.

3 and 10

Over rolling land

40.12 Set Limestone 16x8x4 ins 11 ins in
the ground of $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on
N face; dug pit E and W. of stone
3 ft. dist.; and raised a mound of
earth $3\frac{1}{2}$ ft. base $1\frac{1}{2}$ ft. high N of cor.

80.24 The cor. secs. 3, 4, 9 and 10

Land rolling

Soil 4th Class No timber

Dense undergrowth 80.24 Chains

No^o 2 W. on a random line bet

Secs. 3 and 4

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

80.00 Intersect N. bdy. of Twp. 49 links W of
Cor. of secs. 3, 4, 33 and 34

T. 25 N. R. 9, E.

Chains Thence I run

50° 19' W on a true line bet. sees
3 and 4

Over rolling land

40.00 Set Sandstone 20x10x5 ins 15 ins in the
ground for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W face,
dug pits N and S of stone 3 ft dist; and
raised a mound of earth and stone $3\frac{1}{2}$
ft base $1\frac{1}{2}$ ft. high W of cor.

80.00 The cor of sees. 3, 4, 9 and 10

Land rolling

Soil 4th rate No timber

Dense undergrowth 80.00 Chas

From the standard cor. on the S. bdy
of the tp. which is a Malpais Stone
10x12x6 ins above ground firmly set,
properly marked and witnessed
I run.

Subdivision of

- Chains $N70^{\circ}03'W$ bet. secs. 32 and 33
Over broken land through
dense Cedars
Descend bluff bars E and W -
- 10.00 Foot of bluffs
- 40.00 Set Malpais stone $16 \times 8 \times 4$ ins 11 ins
in the ground for $\frac{1}{4}$ sec cor. marked
 $\frac{1}{4}$ on W face; from which
A Cedar 6 ins in diam bears $N6\frac{1}{2}^{\circ}E$
38 lbs dist. marked $\frac{1}{4} S 33 B T$
A Cedar 7 ins in diam bears $N80\frac{1}{2}^{\circ}W$
52 lbs dist. marked $\frac{1}{4} S 32 B. T.$
- 80.00 Set Malpais stone $14 \times 10 \times 6$ ins 10 ins
in the ground for sec. cor. of secs 28.
29, 32 and 33 marked with 1 notch on
S and 4 notches on E ~~face~~ from which
A. Cedar 6 ins in diam bears
 $N66\frac{1}{2}^{\circ}E$ 45 lbs dist. marked
T 25 N R 9 E S 28 B T

Concluded, Book 514.

BOOK 513