

No-224

Subdivisions

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Tp:16 N. R 13. E.

No-224

224

63.11.96

Indexed, Book 223.

BOOK 224

Field Notes.

of the Survey of the

Subdivision Lines.

of
Township 16. N. Range 13. E.

of the
Gila & Salt River Base
and Meridian.

in the
Territory of Arizona.

as surveyed by
Daniel Drummond
U. S. Deputy Surveyor
under his Contract No. 28.

Dated Feby. 21. 1893.

Survey Commenced. Dec. 18. 1893.

Survey Completed. January 4. 1894

60A

Township 16N R. 13E

6	100	5	73	4	3	2	1
98	91	72					
7	95	8	70	9	10	11	12
93	92	69					
18	90	17	67	16	15	14	13
88	87	66					
19	85	20	64	21	22	23	24
83	82	63					
30	80	29	61	28	27	26	25
78							
31	75	32	33	34	35	36	

Subdivisions T. 16. N. R. 13. E.

- Ch. N^o 2' W. bet. Secs. 28 & 29.
- 14.50 In heavy ^{V^o 13° 46' E} Pine and Cedar timber
Bank bears N.W. & S.E. descend
- 16.55 Gulch 10 lks. wide, runs S.E. ascend
- 18.90 Opposite bank bears N.W. & S.E. entrance
- 40.00 Set a malpais Stone 16x10x6 ins. 11.
ins. in the ground. for 1/4 Sec. Cor.
marked 1/4 on W. face. whence
A Pine 12 ins. diam. bears N 88^o 1/4 E
250. lks. dist. Marked 1/4 S. B. T.
A Pine 10 ins. diam. bears N 62^o E
208 lks. dist. marked 1/4 S. B. T.
- 44.00 Wagon Road to Winslow bears N.E. & S.W.
- 57.50 Leave Cedar & Piñon.
- 69.65 Trail. bears N.N.E. & S.S.W.
- 76.75 Trail. bears N.N.E. & S.S.W.
- 80.00 Set a malpais Stone 20x14x6 ins. 15.
ins. in the ground. for Cor. to Secs.

Subdivisions T. 16. N. R. 13. E.

Chs. 20, 21, 28 & 29. marked with 2
 matches on S. and 4 matches on
 E. edges. whence—

A Cedar 8 ins. diam. trees
 N 85° E 121 lks. dist. marked
 T. 16. N. R. 13. E. S. 21. B. S. —

A Cedar 6 ins. diam. trees
 S 50° 30' E 382 lks. dist. marked
 T. 16. N. R. 13. E. S. 28. B. S. —

Pine 9 ins. diam. trees
 S 70° W 115. lks. dist. marked
 T. 16. N. R. 13. E. S. 29. B. S. —

A Pine 10 ins. diam. trees
 N 79° W 98 lks. dist. marked
 T. 16. N. R. 13. E. S. 20. B. S. —

Land. rolling.

Soil. gravelly 3^d rate.

Timber. Pine & Cedar 57, 50 chs.

December 28. 1893.

Subdivisions.

- | | |
|-------|--|
| Chs. | East, on a random line.
bet. Secs. 21 & 28.
Va. $13^{\circ}46'E$. |
| 40.00 | Set temporary $\frac{1}{4}$ Sec. Cor. |
| 80.06 | Int. N.T.S. line at Cor. to Secs. 21,
22, 27, & 28. Thence I run
West, on a true line
bet. Secs. 21 & 28.
Va. $13^{\circ}46'E$. |
| 14.50 | Wagon Road to Winslow bears N 6° E S 5° W. |
| 40.03 | Set a malpais stone $17 \times 11 \times 4$ ins. ≈ 12
ins. in the ground, for $\frac{1}{4}$ Sec Cor.
marked $\frac{1}{4}$ on N. face, whence
A Pine 6 ins. diam. bears N 16° E
185 lks. dist. marked $\frac{1}{4}$ S. B.T. -
A Pine 5 ins. diam. bears S 67° E
439 lks. dist. marked $\frac{1}{4}$ S. B.T. |
| 62.00 | Enter Cedar & Piñon. |
| 64.25 | Leave Cedar & Piñon. |

T. 16. N. R. 13. E.

- Chs.
 75.70 Trail. bears N.E. + S.W.
 78.20 Trail. bears N.E. + S.W.
 80.06 The Cor. to Secs. 20, 21, 28 & 29,
 Land. level.
 Soil. Sandy 2^d rate.
 Timber. Scattering Pine + Cedar
 2.25 chs.
-
- N 0° 2' W. bet. Secs. 20 + 21.
 V. 13° 46' E
 16.70 In heavy Pine and Cedar timber
 Trail. bears N.E. + S.W.
 40.00 Set a malpais Stone 16 x 10 x 6 ins. 11.
 ins. in the ground, for 1/4 Sec. Cor.
 marked 1/4 on W. face, whence
 A Pine 13 ins. diam. bears
 S 65° W 53 lks. dist. marked
 1/4 S. B.L.—
 A Pine 9 ins. diam. bears S 18° E
 67 lks. dist. marked 1/4 S. B.L.—
 43.00 Brush. fence. bears N.W. + S.E.

Subdivisions.

chs.
 75.00 *Enta dense* Cedar
 80.00 Set a Malpais Stone 16x10x8 ins. 11.
 ins. in the ground. for Cor. to Secs.
 16, 17, 20 & 21. marked with 3.
 matches on S. and 4 matches on
 E. edges. Whence
 A Pine 12 ins. diam. bears
 N 22° E 144 lks. dist. marked
 T. 16. N. R. 13. E. S. 16. B. S. -
 A Pine 16 ins. diam. bears
 S 27° 30' E 166 lks. dist. marked
 T. 16. N. R. 13. E. S. 21. B. S. -
 A Cedar 5 ins. diam. bears.
 S 18° W 221 lks. dist. marked
 T. 16. N. R. 13. E. S. 20. B. S.
 A Pine 6 ins. diam. bears.
 N 60° W 92 lks. dist. marked
 T. 16. N. R. 13. E. S. 17. B. S.
 Land level.

T. 16. N. R. 13. E.

chs. Soil. Sandy 1st + 2^d rate.
 Timber. Pine & Cedar. 80.00 chs.

East. on a random line.

bet. Secs. 16 & 21.

Va. $13^{\circ}46'E$.

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

80.10 Int. N.T.S. line 19 lks. N. of Cor. to
 Secs. 15, 16, 21 & 22. Thence I run
 $N 89^{\circ}52'W$. on a true line

bet. Secs. 16 & 21

Va. $13^{\circ}46'E$.

16.50 Trail. brass N.E. & S.W.

40.05 Set. a malpais stone $16 \times 10 \times 8$ ins. 11.
 ins. in the ground. for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ on N. face. whence

A Cedar 5 ins. diam. brass $N 40^{\circ}W$

294 lks. dist. marked $\frac{1}{4}$ S. B. T.

A Cedar 5 ins. diam. brass $S 79^{\circ}E$

Subdivisions

chs.	489 lks. dist. marked $\frac{1}{4}$ S. B.Y. -
49.50	Entire Cedar & Piñon.
60.75	Trail. bears N.E. & S.W.
80.10	The Cor. to Recs. 16, 17, 20 & 21, Land. level, Soil. Sandy. 2 ^d rate. Timber. Pine & Cedar 30.60 chs.

No 2' W. bet. Secs. 16 & 17.

26.60	In heavy ⁹ fine and cedar timber Trail. bears N.E. & S.W.
40.00	Set a sandstone 17x10x6 ins. 12 ins. in the ground. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face. volume A Pine 10 ins. diam. bears S 87° E 133 lks. dist. marked $\frac{1}{4}$ S. B.Y. - A Pine 7 ins. diam. bears S 72° $\frac{1}{2}$ W 32 lks. dist. marked $\frac{1}{4}$ S. B.Y.
80.00	Set a malpais stone 16x10x8 ins. 11. ins.

T. 16. N. R. 13. E.

- cho. in the ground. for Cor. to Recs. 8,
9, 16 & 17. marked. with 4 notches
on S. & E. edges, whence
A Pine 8 ins. diam. bears
N 49° E 64 lks. dist. marked
T. 16. N. R. 13. E. S. 9. B. T.
- A Pine 9 ins. diam. bears
S 21° E 45 lks. dist. marked
T. 16. N. R. 13. E. S. 16. B. T. —
- A Pine 6 ins. diam. bears
S 57° W 28 lks. dist. marked
T. 16. N. R. 13. E. S. 17. B. T. —
- A Pine 7 ins. diam. bears
N 16° 30' W 95 lks. dist. marked
T. 16. N. R. 13. E. S. 8. B. T. —

Land. level.

Soil. Sandy 2^d rate.

Timber Pine & Cedar, 80. cho.

December 29. 1893.

Subdivisions.

- | | |
|-------|--|
| Chs. | S $89^{\circ}52'E$, on a random line
bet. Secs. 9 & 16.
Va. $13^{\circ}46'E$. |
| 40.00 | Set temporary $\frac{1}{4}$ Sec. Cor. |
| 80.12 | Int. N. & S. line 3 lks. N. of Cor to
Secs. 9, 10, 15 & 16. Thence I run
N $89^{\circ}51'W$, on a true line
bet. Secs. 9 & 16.
Va. $13^{\circ}46'E$. |
| 9.00 | Trail trans. NE & SW |
| 12.00 | Enter Cedar & Piñon |
| 28.35 | Trail trans. NW & SE. |
| 39.15 | Bank trans. NE & SW. |
| 40.06 | Set a Malpais Stone $16 \times 9 \times 5$ ins., 11. ins.
in the ground. for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. side, when a
A Pine 8 ins. diam. bears N $81\frac{1}{2}E$
95. lks. dist. marked $\frac{1}{4}$ S. B. T.
A Pine 12 ins. diam. bears S $17^{\circ}W$ |

T. 16. N. R. 13. E.

- Chs. 103. lks. dist, marked $\frac{1}{4}$ S. B. T.
- 40.30 Enter bottom. bears N.E. & S.W.
- 40.40 Trail. bears N.E. & S.W.
- 40.75 Leave bottom. bears N.E. & S.W.
- 80.12 The Cor. to Secs. 8, 9, 16 & 17.
Land. level.
Soil. Sandy. 2^d rate.
Timber. Pine & Cedar 68.12 chs.
-

No^o 2' W. bet. Secs. 8 & 9.

- By heavy ^{Val 13° 46' E} Cedar and Pinon
- 10.75 Trail. bears N.E. & S.W.
- 25.15 Trail. bears N.E. & S.W.
- 31.50 Leave Cedar & Pinon.
- 40.00 Set a Sandstone 16x10x5. ins. 11. ins.
in the ground, for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on W. face. whence
A Pine 7 ins. diam. bears N 82° E
298 lks. dist. marked $\frac{1}{4}$ S. B. T. -

Subdivisions.

- Chs. A Cedar 4 ins. diam. bears $N43^{\circ}W$
41 lks. dist. marked 1/4. S. B.S. -
- 47.05 Trail. bears $N.E. + S.W.$
- 48.50 E. into Cedar & Piñon.
- 80.00 Set a Sandstone $16 \times 11 \times 6$ ins. 11. ins.
in. the ground. for Cor. to Sec. 4. 5.
8 & 9. marked with 5 matches on S.
and 4 matches on E. edges. whence
A Pine 10 ins. diam. bears
 $N72^{\circ}E$ 87 lks. dist. marked
T. 16. N. R. 13. E. S. 4. B.S. -
- A Pine 10 ins. diam. bears
 $S67^{\circ}E$ 162 lks. dist. marked
T. 16. N. R. 13. E. S. 9. B.S. -
- A Cedar 4 ins. diam. bears
 $S57^{\circ}W$ 117 lks. dist. marked
T. 16. N. R. 13. E. S. 8. B.S. -
- A Pine 8 ins. diam. bears
 $N35^{\circ}W$ 42 lks. dist. marked

T. 16. N. R. 13. E.

chs. T. 16. N. R. 13. E. S. 5. B. 1. -

Land. level.

Soil. Sandy. 2^d rate.

Timber. Pine & Cedar. 63. chs.

S $89^{\circ}51'E$. on a random line.
bet. Secs. 4 & 9.
Va. $13^{\circ}46'E$.

40.00 Set temporary $1/4$ Sec. Cor.80.14 Int. N. & S. line 3. Mts. N. of Cor. to
Secs. 3, 4, 9 & 10. Thence I run
N $89^{\circ}50'W$. on a true line
bet. Secs. 4 & 9.4.00 In heavy ^{Va. $13^{\circ}46'E$} pine and Cedar timber
Descend. across N.E. & S.W.

5.20 Enter bottom

5.70 Trail. across N.E. & S.W.

5.80 Leave bottom. & ascend

7.00 Enter mesa. across N.E. & S.W.

Subdivisions.

- chs.
40.07 Set a Sandstone 18x10x8 ins 13. ins.
in the g round. for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. face. whence
A Pine 7 ins. diam. bears $S 42^{\circ} E$
76 lks. dist. marked $\frac{1}{4}$ S. B. 1 -
A Pine 5 ins. diam. bears $N 12^{\circ} E$
102 lks. dist. marked $\frac{1}{4}$ S. B. 4 -
- 46.25 Trail. bears N.E. & S.W.
58.80 Trail. bears N.E. & S.W.
80.14 The Cor. to Secs. 4, 5, 8 & 9.
Land. level.
Soil. Sandy 2^d Mate.
Timber. Pine & Cedar, 80.14 chs.

N 0° 2' W. bet. Secs. 4 & 5.

10.20 In heavy ^{V. 13 $^{\circ}$ 46' E.} Cedar and Piñon
Leaves Cedar & Piñon.

40.00 Set a Sandstone 16x11x5 ins. 11. ins.
in the ground. for $\frac{1}{4}$ Sec. Cor.

T. 16. N. R. 13. E.

- Chs. marked $\frac{1}{4}$ on W. face. whence
 A Cedar 4 ins. diam. bears $S 5^{\circ} W$
 242 lks. dist. marked $\frac{1}{4}$ S. B.S.
 A Cedar 5 ins. diam. bears $S 47^{\circ} E$.
 438 lks. dist. marked $\frac{1}{4}$ S. B.S.—
- 54.65 Trail. bears N.E. & S.W.
- 66.35 Wagon Road to Windlow bears N.E. & S.W.
- 110.50 Intersect. 4th Standard parallel
 N. $S 84^{\circ} 13' W$ 11.10 chs. dist. from
 Standard Cor. to Secs. 32 & 33. as
 hereinbefore described, where I
 set a Sandstone $18 \times 10 \times 5$ ins. 13. ins.
 in the ground. for Closing Cor. to
 Secs. 4 & 5. marked C.C. on S.
 with 4 notches on E. and 2
 notches on W. faces, whence
 A Pine 8 ins. diam. bears
 $S 32^{\circ} E$ 294 lks. dist. marked
 T. 16. N. R. 13. E. S. 4. B.S.—

Subdivisions.

chs.

A Cedar 10 ins. diam. bears

S 79° W. 271 lks. dist. marked

T. 16. N. R. 13. E. A. 5. B. 1. —

A Pine 14 ins. diam. bears

N $51^{\circ} 15'$ W 445 lks. dist. marked

T. 16. N. R. 13. E. C. C. A. 4. & 5. B. 1. —

Land. level.

Soil. sandy 2^d rate.

Timber. Pine & Cedar 10.20 chs.

December 30. 1893.

From the Cor. to Secs. 5, 6, 31, & 32,
on S. boundary of Tp. hereinbefore
described I run.

N $0^{\circ} 3'$ W. bet. Secs. 31 & 32.

In heavy Pine and Cedars.

29.00 Trail, bears N.E. & S.W.

40.00 Set a Sandstone 16x10x6 ins. 11.
ins. in the ground. for $\frac{1}{4}$ Sec. Cor.

T. 16. N. R. 13. E.

- chs. marked $\frac{1}{4}$ on W. face, whence
 A Pile 6 ins. diam. bears $S 79^{\circ} E$
 23 lks. dist. marked $\frac{1}{4}$ S. B. I. -
 A Pile 8 ins. diam. bears $S 59^{\circ} W$
 72 lks. dist. marked $\frac{1}{4}$ S. B. I.
 58.70 Trail. bears. N.E. & S.W.
 80.00 Set a Malpais. Stone $16 \times 11 \times 8$ ins. 11.
 ins. in the ground. for. Gr. & Sees.
 29, 30, 31 & 32. marked with 1
 notch on S. and 5 notches on
 E. edges. whence -
 A Pile 10 ins. diam. bears
 $N 24^{\circ} E$. 19 lks. dist. marked
 T. 16. N. R. 13. E. S. 29. B. I. -
 A Pile 11 ins. diam. bears
 $S 58^{\circ} E$ 10 lks. dist. marked
 T. 16. N. R. 13. E. S. 32. B. I. -
 A Pile 8 ins. diam. bears
 $S 51^{\circ} W$ 70 lks. dist. marked

Subdivisions.

Chs.	T. 16. N. R. 13. E. S. 31. B.L. - A Pine 7 ins. diam. bears N 64° W 158 lks. dist. marked T. 16. N. R. 13. E. S. 30. B.L. - Land level. Soil. Sandy 2 ^d rate, Timber. Pine & Cedar 80. Chain
	East. on a random line, bet. Secs. 29 & 32 Va. 13° 46' E.
40.00	Set. Temporary 1/4 Sec. Cor.
80.10	Int. N. & S. line 19 lks. N. of Cor. A. Secs. 28. 29. 32 & 33. Thence I run N 89° 52' W. on a true line, bet. Secs. 29 & 32. Va. 13° 46' E.
7.00	In. Pine timber. ascend Entire mesa. bears. N.E. & S.W.

T. 16. N. R. 13. E.

- chs.
33.60 Trail. bears N.E. + S.W.
39.85 Trail. bears N.E. + S.W.
40.05 Set a Malpais Stone 16x10x4 ins. 11. ins.
in the ground, for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ on N. face. whence
A Pine 8 ins. diam. bears S12°W
49 lks. dist. marked $\frac{1}{4}$ S. B.S. -
A Pine 6 ins. diam. bears N1°E
55 lks. dist. marked $\frac{1}{4}$ S. B.S. -
67.00 Trail. bears N. + S.
80.10 The Cor. to Secs. 29, 30, 31, & 32.
Land. level.
Soil. Sandy 2^d rate.
Timber. Pine & Cedar. 80.10 chs.

West on a random line
bet. Secs. 30 & 31.
Va. 13°46'E.

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

Subdivisions.

93.56 Int. W. boundary of Tp. 27 lks.
S. of Cor. to Secs. 25, 30, 31 & 36,
hereinbefore described. I run
S 89° 50' E. on a true line
bet. Secs. 30 & 31.

Ya. 13° 46' E.

In Pine timber.

- 6.76 Trail. bears N.N.E. & S.S.W.
10.50 Enter bottom bears. N. & S.
11.55 Trail bears N. & S.
13.00 Leave bottom bears. N. & S.
53.56 Set a Post. 4 ft. long. 4 in. Square
24 in. in the ground. for $\frac{1}{4}$ Sec Cor.
marked $\frac{1}{4}$ S. on N. face. whence
A Pine 10 in. diam. bears S 35° W
11 lks. dist. marked $\frac{1}{4}$ S. B.S. -
A Pine 6 in. diam. bears N 17° E
105 lks. dist. marked $\frac{1}{4}$ S. B.S. -
53.90 Trail. bears. N.E. & S.W.

T. 16. N. R. 13. E.

- chs.
 63.00 Wagon Road to Winslow bears N by E. + S by W.
 67.25 Old wagon Road. bears N. + S.
 83.50 Wagon Road to Winslow. bears N. N. E. + S. S. W.
 93.56 The Cor. to Secs. 29, 30, 31, + 32.
 Land, level
 Soil, Sandy 2^d rate
 Timber, Pine + Cedar 93.56 chs.

N 0° 3' W. bet. Secs. 29 + 30.

Va. 13° 46' E.

In Pine timber.

- 13.25 Wagon Road to Winslow bears N. E. + S. W.
 28.90 Trail, bears N. E. + S. W.
 40.00 Set a Sandstone 18 x 8 x 6 ins. 13. ins.
 in the ground, for 1/4 Sec. Cor.
 marked 1/4 on W. face, where
 A Cedar 6 ins. diam. bears S 47° E
 11 lks. dist. marked 1/4 S. B. S. -
 A Pine 7 ins. diam. bears S 60° W

Subdivisions.

- Chs. 71 lks. dist, marked $\frac{1}{4}$ S. B.S.
- 73.15 Enta bottom brass, N.E. & S.W.
- 73.85 Trail. brass. N.E. & S.W.
- 74.30 Leavrs bottom brass. N.E. & S.W.
- 80.00 Set a Malpais Stone $18 \times 12 \times 8$ ins. 13. ins
in the ground. for Cor. to Secs. 19.
20. 29 & 30. marked with 2 notches
on S. & 5 notches on E. edges, whence
A Pine 10 ins. diam. brass
N $74^{\circ} 45' E$ 111 lks. dist. marked
T. 16. N. R. 13. E. S. 20. B.S. -
A Pine 13 ins. diam. brass
S $31^{\circ} 30' E$ 70 lks. dist. marked
T. 16. N. R. 13. E. S. 29. B.S. -
A Pine 8 ins. diam. brass
S $26^{\circ} W$ 31 lks. dist. marked
T. 16. N. R. 13. E. S. 30. B.S.
A Pine 5 ins. diam. brass
N $65^{\circ} W$ 39 lks. dist. marked

T. 16. N. R. 13. E.

Chs. T. 16. N. R. 13. E. S. 19. B. 1. —
 Land. level.
 Soil. Sandy 2^d rate.
 Timber. Pine & Cedar. 80. Chs.
 January 1 1894.

S $89^{\circ}52'E$ on a random line
 bet. Secs. 20 & 29.
 Va. $13^{\circ}46'E$.

40.00 Set temporary $\frac{1}{4}$ Sec. Cr.
 80.20 Int. N. & S. line at Cr. to Secs.
 20. 21. 28 & 29. Thence I run
 $N 89^{\circ}52'W$ on a true line
 bet. Secs. 20 & 29.

13.00 In heavy Va $13^{\circ}46'E$ Pine and Cedar timber
 trail. Cross N.E. & S.W.

40.10 Set a malpais stone $14 \times 12 \times 5$ ins. 12
 ins. in the ground for $\frac{1}{4}$ Sec. Cr.

Subdivisions.

- chs. marked $\frac{1}{4}$ on N. face where
 A Pine 6 ins. diam. bears $N42^{\circ}W$
 38 lks. dist. marked $\frac{1}{4}$ A. B. J. -
 A Pine 9 ins. diam. bears $S76^{\circ}W$
 27 lks. dist. marked $\frac{1}{4}$ A. B. J.
 68.65 Trail. bears N.E. & S.W.
 80.20 The Cor. to Secs. 19, 20, 29 & 30.
 Land level.
 Soil, sandy 2^d rate
 Timber, Pine & Cedar 80.20 chs.
-

$N89^{\circ}50'W$. on a random line
 bet. Secs. 19 & 30.
 Va. $13^{\circ}46'E$.

- 40.00 Set. temporary $\frac{1}{4}$ Sec. Cor.
 93.44 Int. W. boundary of Sp. at
 Cor. to Secs. 19, 24, 25 & 30. as
 hereinbefore described. From

T. 16. N. R. 13. E.

- Chs. S $89^{\circ}50'E$. on a true line
bet. Secs. 19 & 30.
- 7.20 In heavy pine and cedar timber
Va. $73^{\circ}46'E$
Enter bottom bears. N by E. & S by W
- 10.40 Leave bottom bears. N. by E. & S by W.
- 10.90 Wagon Road to Winslow bears N by E & S by W
- 32.64 Trail. bears N. W. & S. E.
- 53.34 Trail. bears N. E. & S. W.
- 53.44 Set a malpais stone $20 \times 16 \times 4$ ins. 15
ins. in the ground. for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. face. whence
A Pine 12 ins. diam. bears $N48^{\circ}W$
187 lks. dist. marked $\frac{1}{4}$ S. B. I.
A Pine 15 ins. diam. bears $S93^{\circ}0W$
215. lks. dist. marked $\frac{1}{4}$ S. B. I.
- 82.80 Wagon Road. to Winslow bears N & S.
- 85.50 Wagon Road to Winslow bears. N & S.
- 93.44 The Cor. to Secs. 19, 20, 29. & 30.
Land level.

Subdivisions.

- Chs. Sail. Sandy 2^d rate.
 Timber. Pine & Cedar 93.44 chs.
-
- No^o 3' W. bet. Secs. 19 & 20.
 Va. 13° 46' E.
- In. Pine timber
- 35.00 Wagon Road to Winslow Cross. N⁶⁴ E + S⁶⁴ W
- 40.00 Set a malpais Stone 16x10x5 ins. 11. ins.
 in the ground. for 1/4 Sec. Cor.
 marked 1/4 on W. face. Whence
 A Pine 11 ins. diam. bears N³⁵ E.
- 140 lks. dist. marked 1/4 S. B. J. -
- A Cedar 15 ins. diam. bears N^{38 1/2} W
- 141 lks. dist. marked 1/4 S. B. J. -
- 58.90 Wagon Road. to Winslow Cross. N⁶⁴ W + S⁶⁴ E.
- 71.50 Trail. bears. N. E. & S. W.
- 80.00 Set a malpais. Stone 18x10x4 ins. 13.
 ins. in the ground. for. Cor. to Secs.
 17. 18. 19 & 20. marked with

T. 16. N. R. 13. E.

Chs. 3 notches on S. and 5 notches on
E. edges. Whence.

A Pine 12 ins. diam. brass.

N58°45'E 132 lks. dist. marked

T. 16. N. R. 13. E. S. 17. B.S.

A Pine 9 ins. diam. brass

S63°E 64 lks. dist. marked

T. 16. N. R. 13. E. S. 20. B.S. -

A Pine 6 ins. diam. brass

S60°W 30 lks. dist. marked

T. 16. N. R. 13. E. S. 19. B.S.

A Pine 12 ins. diam. brass

N16°W 113. lks. dist. marked

T. 16. N. R. 13. E. S. 18. B.S. -

Land. level.

Soil. Sandy + gravelly 2^d rate.

Timber. Pine + Cedar. 80. Chs.

Subdivisions.

- Chs. $S 89^{\circ} 52' E.$ on a random line
bet. Recs. 17 & 20.
Va. $13^{\circ} 45' E.$
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
80.14 Int. N. & S. line at Cor. to Secs.
16, 17, 20 & 21. Thence I run
 $N 89^{\circ} 52' W.$ on a true line,
bet. Recs. 17 & 20.
Va. $13^{\circ} 46' E.$
- 37.00 Enter Cedar & Pinon.
- 38.80 Brush fence, from N.W. & S.E.
- 40.07 Set a Sandstone $16 \times 10 \times 5$ ins. 11.
ins. in the ground, for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. face, whence
A Pine 15 ins. diam. bears South
57 lks. dist. marked $\frac{1}{4}$ S. B.T.
A Pine 5 ins. diam. bears $N 29^{\circ} 30' W$
95. lks. dist. marked $\frac{1}{4}$ S. B.T.
- 55.00 Leave Cedar & Pinon.

J. 16. N. R. 13. E.

- chs.
60.65 Trail. trans. N.E. + S.W.
77.10 Trail trans N.N.E. + S.S.W.
80.14 The Cor. to Secs. 17, 18, 19 & 20.
Land. level.
Soil. Sandy 2^d rate.
Timber, Pine & Cedar 18. chs.
January 2, 1893.

N 89° 50' W. on a random line.
bet. Secs. 18 & 19.
Va. 13° 46' E.

- 40.00 Set. temporary 1/4 Sec. Cor.
93.42 Int. N. boundary of Sp. 5 lks.
N. of Cor. to Secs. 13, 18, 19. & 24.
Herein before described. Thence from
S 89° 52' E. on a true line
bet. Secs. 18 & 19.
Va. 13° 46' E.

over level land. in timber

Subdivisions

chs. 13.00	Enter Cedar & Piñon, Leave Pines
43.50	Trail bears N.N.E. & S.S.W.
45.35	Wagon Road to Winslow bears N.N.E. & S.S.W.
46.50	Enter bottom bears N.N.E. & S.S.W.
47.50	Leave bottom bears N.N.E. & S.S.W. ascend
48.00	Enter mesa bears N.N.E. & S.S.W.
53.42	Set a malpais stone 20x13x8 ins 15. ins. in the ground. for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face. Whence A Pine 14 ins. diam. bears $N 8^{\circ} W$ 28 lks. dist. marked $\frac{1}{4}$ S. B.T. A Pine 10 ins. diam. bears $S 27^{\circ} W$ 18 lks. dist. marked $\frac{1}{4}$ S. B.T.
73.95	Trail bears N.E. & S.W.
77.50	Pine 12 ins. diam. on line. marked with 2 matches on E. & W. sides
83.90	Wagon Road to Winslow bears N.N.W. & S.S.E.
93.42	The Cor. to Secs. 17, 18, 19 & 20. Land. rolling.

T. 16. N. R. 13. E.

Chs. Soil. Sandy & gravelly 2^d & 3^d rate,
Timber. Pine & Cedar. 93. 42. Chs.

N 0° 3' W. byt. Decs. 17 & 18.

- 28.75 In heavy ^{Tap 13° 46' E} Cedars and Piñon
Brush, fence posts N.W. & S.E.
- 33.80 Trail. posts N.E. & S.W.
- 40.00 Set a post, 4 ft. long, 4 in Square
24 in. in the ground, for 1/4 Sec Cor.
marked 1/4 S. on W. face. when a
A Pine 12 ins. diam. posts N 45° W
29 lbs. dist. marked 1/4 S. B.T.
- A Pine 9 ins. diam. posts S 28° 1/2 E
41 lbs. dist. marked 1/4 S. B.T.
- 42.00 Leave Cedar & Piñon.
- 65.00 Enter Cedar & Piñon
- 80.00 Set a Malpais Stone 16x10x4 in. 11,
in. in the ground, for Cor. to Sec.

Subdivisions.

chs. 7, 8, 17 & 18, marked with 4
notches on S. and 5 notches on
E. edges, whence —

A Pine 12 ins. diam. bears
N 30° E 119 lks. dist. marked
T. 16, N. R. 13, E. S. 8. B. I. —

A Cedar 5 ins. diam. bears
S 58° E 24 lks. dist. marked
T. 16, N. R. 13, E. S. 17. B. I.

A Pine 4 ins. diam. bears
S 50° 30' W 53 lks. dist. marked
T. 16, N. R. 13, E. S. 18. B. I.

A Pine 4 ins. diam. bears
N 32° W 84 lks. dist. marked
T. 16, N. R. 13, E. S. 7. B. I.

Land. Level.

Soil. Sandy & gravelly 2^d + 3^d pat.

Timber. Pine & Cedar, 57, chs.

T. 16. N. R. 13. E.

- chs. $S 89^{\circ} 52' E$. on a random line.
bet. Secs. 8 & 17.
Va. $13^{\circ} 46' E$.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
80.30 Int. N + S. line 9 lks. S. of Cor.
to Secs. 8, 9, 16 + 17. Thence I run
 $N 89^{\circ} 52' W$. on a true line.
bet. Secs. 8 & 17.
Va. $13^{\circ} 46' E$
- 9.34 In heavy Cedar and Piñon
Trail. bears N.E. + S.W.
- 40.15 Set a Sandstone $17 \times 14 \times 10$ ins. 12
ins. in the ground. for $\frac{1}{4}$ Sec. Cor.
Marked $\frac{1}{4}$ on N. face, whence
A Pine 6 ins. diam. bears $S 22^{\circ} W$.
76 lks. dist. marked $\frac{1}{4}$ S. B.T.
A Pine 5 ins. diam. bears $N 57^{\circ} W$
154 lks. dist. marked $\frac{1}{4}$ S. B.T.
- 45.80 Trail. bears N.E. + S.W.,
- 49.00 Leave Cedar + Piñon

Subdivisions.

chn. 70.00	Entire. Cedar + Piñon.
78.00	Trail. trans. N.E. + S.W.
80.30	The Cor. to Secs. 7, 8, 17, + 18. Land. level. Soil. Sandy 2 ^d rate. Timber Cedar + Pine. 59 ³⁰ Chs.

N 89° 52' W. on a random line
bet. Secs. 7 + 18.
Va. 13° 46' E.

40.00	Set. temporary 1/4 Sec. Cor.
93.37	Int. W. boundary of Sp. at. Cor. to Secs. 7, 12, 13, + 18. Thence I run S 89° 52' E. on a random line bet. Secs. 7 + 18.

Am heavy Cedar and Piñon
Va. 13° 46' E.

18.00	Bank trans. N.E. + S.W. descend
20.00	Gulch 10 lks. wide. runs N.E. ^{used}

T. 16, N. R. 13. E.

- | | |
|-------|--|
| 20.60 | Opposite bank bears, N.E. + S.W. |
| 22.50 | Bank bears N.E. + S.W. descend |
| 25.20 | Gulch 30 lks. wide. runs N.E. ascend |
| 26.80 | Opposite bank. bears, N.E. + S.W. |
| 48.80 | Bank. bears, N.E. + S.W. descend |
| 50.80 | Recross gulch 20 lks. wide. runs S.W. |
| 53.37 | Set a walpais stone 18x11x4 ins. 13 ins.
in the ground. for $\frac{1}{4}$ Sec. Cor.
marked $\frac{1}{4}$ on N. face. whence
A Pine 10 ins. diam. bears S. 18° E
53 lks. dist. marked $\frac{1}{4}$ S. B. J. -
A Pine 8 ins. diam. bears N 45° W
135 lks. dist. marked $\frac{1}{4}$ S. B. J. |
| 55.10 | Trail. bears, N. + S. |
| 55.60 | Recross gulch. 20 lks. wide runs ^{ascend} North |
| 57.50 | Right bank bears, N. + S. |
| 58.80 | Leave Cedar + Pinon. |
| 62.25 | Trail, bears, N.N.E. + S.S.W. |
| 64.70 | Wagon Road. to Winslow bears, N.N.E. + S.S.W. |

Subdivisions.

- chs.
92.00 Euta Cedar & Piñon.
93.37 The Cor. to Secs. 7, 8, 17, & 18,
Land. rough & broken.
Soil. gravelly & Stony 2^d + 4th rate
Timber. Pine & Cedar. 60.17 chs.

January 3, 1894.

N 0° 3' W. bet. Secs. 7 & 8.

Va. 13° 46' E.

- 8.30 In heavy Cedar and Piñon
Leaves. Cedar & Piñon
34.00 Euta Cedar & Piñon
40.00 Set a malpais stone 16x10x5 in. ll.
ins. in the ground, for 1/4 Sec Cor.
marked 1/4 on W. face. Whence
A Pine 10 ins. diam. bears S 87 1/2° E
80 lbs. dist. marked 1/4 S. B. J.
A Cedar 12 ins. diam. bears N 3 1/2° W
146 lbs. dist. marked 1/4 S. B. J.

T. 16. N. R. 13. E.

chs.	
46.00	Wagon Road to Willow bears N.E. & S.W.
76.00	Bank bears N.W. & S.E. desired
77.45	Enter bottom bears N.W. & S.E.
77.75	Leave bottom. run N.W. ascend
78.50	Opposite bank, bears N.W. & S.E.
80.00	Set a Malpais Stone 18x11x5 ins 13 ins in the ground, for. Cr. to Secs. 5, 6, 7 & 8, marked with 5 notches on S. & E. edges. Whence A Cedar 5 ins. diam. bears N 56° 30' E 106 lks. dist. marked T. 16. N. R. 13. E. S. 5. B. 1. - A Pine 5 ins. diam. bears S 46° E 74 lks. dist. marked T. 16. N. R. 13. E. S. 8 B. 1. - A Cedar 8 ins. diam. bears S 66° W 54 lks. dist. marked T. 16. N. R. 13. E. S. 7. B. 1. - A Pine 4 ins. diam. bears

Subdivisions.

Chs. N 7° W 20 lks. dist marked
 T. 16. N. R. 13. E. S. 6. B. S. —
 Land. Nearly level.
 Soil. gravelly 2^d rate.
 Timber. Pine & Cedar, 54.30 ch

S 89° 56' E. on a random line
 bet. Secs. 5 & 8.
 Va. 13° 46' E.

40.00 Set temporary 1/4 Sec. Cor.

80.42 Int. N. & S. line. 10 lks. N. of
 Cor. to Secs. 4, 5, 8 & 9. Thence I run
 N 89° 52' W. on a true line
 bet. Secs. 5 & 8.
 Va. 13° 46' E.

In Pine timber

12.85 Trail. bears. N. W. & S. E.

40.21 Set a malpais 18x12x4 ins. 13. ins.

T. 16. N. R. 13. E.

- Chs. in the ground for $\frac{1}{4}$ Sec. Cor.
 marked $\frac{1}{4}$ on N. face, whence
 A Pine 6 ins. diam. bears $S 21\frac{1}{2}^{\circ} E$
 78 lks. dist. marked $\frac{1}{4}$ S. B. I. —
 A Pine 9 ins. diam. bears $N 45^{\circ} W$
 46 lks. dist. marked $\frac{1}{4}$ S. B. I. —
- 55.00 Learn Cedar & Piñon.
 57.00 Wagon Road to Winslow. bears N.E. & S.W.
 65.45 Wagon Road to Winslow bears N. & S.
 75.50 Enter Cedar & Piñon.
 80.42 The Cor. to Secs. 5, 6, 7 & 8.
 Land. level.
 Soil. gravelly 2^d & 3^d rate.
 Timber. Pine & Cedar, 59.⁹² chs.
-
- $N 89^{\circ} 52' W$, on a random line
 bet. Secs. 6 & 7.
 Va. $13^{\circ} 46' E$,
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.

Subdivisions.

- ^{chs.}
 93.42 Int. W. boundary of Sp. 5 lks. S. of
 Cor. to Secs. 1, 6, 7 & 12. Heretofore
 described. Thence Iron
 S $89^{\circ}50'E$. on a true line
 bet. Secs. 6 & 7.
 Va. $13^{\circ}46'E$
- 45.00 Over level ground, in Cedar & Pine
 Learn Cedar & Piñon.
- 53.42 Set a Malpais Stone $18 \times 9 \times 7$ ins. 13.
 ins in the ground. for $\frac{1}{4}$ Sec Cor.
 marked $\frac{1}{4}$ on N. face. whence
 A Cedar 4 ins. diam. bears N $68^{\circ}E$.
 22.5 lks. dist. marked $\frac{1}{4}$ S B.J.
 A Cedar 5 ins. diam. bears South
 180 lks. dist. marked $\frac{1}{4}$ S B.J.
- 61.00 Enter Cedar & Piñon.
- 69.85 Left bank Jacks Cañon bears N 45° . ^{descend}
- 70.60 Trail. bears N. & S.
- 70.80 Descend abruptly

T. 16. N. R. 13. E.

- 72.30 Enter bottom
- 73.10 Jacks. Cañon. 60 lks. wide runs N.
- 73.90 Leave bottom + ascend
- 75.15 Right bank Jacks Cañon bears N. + S.
- 79.20 Pine 8 ins. diam on line, marked
with 2 notches on E + W. sides ^{used}
- 88.00 Enter mesa. bears. N. + S.
- 89.40 Leave mesa descend bears. NW + S. E.
- 90.50 Gulch 10 lks. wide runs. N. W. ^{used}
- 92.15 Opposite bank, bears. NW. + S. E.
- 93.42 The Cor. to Secs. 5, 6, 7 + 8.
Land. broken
Soil. gravelly + stony 3^d + 4th rate
Timber. Pine + Cedar 77.42 chs.

N 0° 3' W. bet. Secs. 5, + 6.

By heavy cedars, and Pinon

- 13.50 Leave Cedar + Pinon
- 15.30 Trail, bears. N. W. + S. E.

Subdivisions T. 16. N. R. 13. E.

chs.	
17.70	Wagon Road to home bears E. & W.
20.00	S.E. Cor. House bears S 79° W 10.95 chs.
20.50	Corrall fence bears N 20° W + S 20° E
23.70	Corral fence bears N 70° E + S 70° W
27.60	Truil. bears N.E. + S.W.
40.00	Set a Malpais Stone 16 x 11 x 4 ins 11 ins. in the ground. for $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ on W. face. whence A Cedar 5 ins. diam; bears N 84° E 276 lks. dist. marked $\frac{1}{4}$ S. B. L. A Cedar 6 ins. diam. bears S 82° W 184 lks. dist. marked $\frac{1}{4}$ S. B. L.
48.00	Right bank Jacks Cañon, bears N.E. + S.W.
49.16	Descend abruptly.
50.80	Enter bottom
52.50	Jacks Cañon. 60 lks. wide runs N.E.
53.40	Leave bottom + ascend
55.70	Left bank Jacks Cañon bears N.E. + S.W.
59.20	Descend from mesa bears N.E. + S.W. ^{clear}

Subdivisions T. 16. N. R. 13. E.

chs. 70.20	Gulch 10 lks. wide runs N.E. ascends
74.20	Enter mesa. bears N.E. + S.W.
86.25	Trail. bears N.E. + S.W.
97.30	Trail. bears N.E. + S.W.
101.90	Intersect. 4 th Standard Parallel N. $S 82^{\circ} 15' W$. 12.05 chs. from the Standard Cor. to Secs. 31. & 32. Herein before described. Where I. Set a Malpais Stone $18 \times 11 \times 6$ ins. 13 ins. in the ground. for Closing Cor. to Secs. 5. & 6. marked C.C. on S. with 5 notches on E. and 1 notch on W. faces. whence A Pine 12 ins. diam. bears $S 48^{\circ} 30' E$ 123 lks. dist. marked T. 16. N. R. 13. E. S. 5. B. J. A Pine 6 ins. diam. bears $S 13^{\circ} W$. 58 lks. dist. marked T. 16. N. R. 13. E. S. 6. B. J. -

Subdivisions T. 16. N. R. 13. E.

chs. A Pin 5 ins. diam. bears
 N 69° 30' W 39 chs. dist. marked
 T. 16. N. R. 13. E. C. C. Ss. 5 + 6. B. S.
 Land broken.
 Soil. gravelly + stony 3^d & 4th rate
 Timber, Pine + Cedar, 13.50 chs.

January 4, 1894.

35. miles 18 chs. 588 lbs. run thro' dense Cedar + Pine

General Description.

This township contains sandy and gravelly soil. the land is nearly level. with the exception of Sunset Mountain in Secs. 1. 12. + 13.

This Sp. furnishes nutritious natural grasses. and is ranged over by horses Cattle + Sheep.

Pine + Cedar. of Stunted

growth. is the only timber in the Sp. Very dense in some parts. & Scattering in others Two immense Cañons traverse this Sp. Viz. Clear Creek, and Jacks. Cañon. both contain Water. even in the driest seasons. There. is one house in Sec. 24 and 2 houses in Sec. 23. also One house in Sec. 26. occupied by Cattlemen. horsemen. & sheep herders.

The mean declination for the plat. the average for five observations. is $13^{\circ}46' E$.

Daniel Drummond
U.S. Deputy Surveyor

U.S. Surveyor-General's Office'

Tucson, A.T. October 9th, 1895.

The foregoing Field-Notes of the surveys of the Subdivisions of Township No. 16 North, Range No. 13 East, Gila & Salt River Meridian, in Arizona, executed by

DANIEL DRUMMOND

U.S. Deputy Surveyor, under his Contract dated Febry, 21st 1893, having been critically examined, the necessary corrections and explanations made, the said Field notes and the surveys they describe, are hereby approved.

L. H. Manning

U.S. Surveyor-General

for the Territory of Arizona.