

No 6.

BOOK 897

No. 897

Field Notes

OF THE SURVEY OF THE

SUBDIVISION LINES

— OF —

No. 897

Township 19. S. Range 9 E.

Gila and Salt River Base and Meridian

ARIZONA.

By Geo. J. Roskrugs D. S.

under contract dated Mar. 5th, 1886

Survey commenced Sept. 13th, 1886

Survey completed Sept 18th, 1886

897

Field Notes No. 897

of the Survey of the
Subdivision Lines
of
Township No 19 S. Range No 9 E.
of the
Gila and Salt River Meridian
of
Arizona Territory

as surveyed by
George J. Roskrige
U. S. Deputy Surveyor.
Under his contract No 1.
Dated March 5th 1886

Survey commenced September 13th 1886.
Survey completed September 18th 1886.

1A

INDEX

Township 19 South R. 9 East

BOOK 897

6	98	5	74	4	56	3	39	2	22	1
97		95		72		54		37		20
7	94	8	71	9	53	10	36	11	18	12
92		91		69		52		35		15
18	89	17	68	16	51	15	33	14	13	13
88		86		67		49		32		11
19	85	20	66	21	48	22	30	23	10	24
84		83		65		46		29		8
30	81	29	63	28	45	27	27	26	7	25
79		78		61		43		25		4
31	76	32	59	33	41	34	23	35	2	36

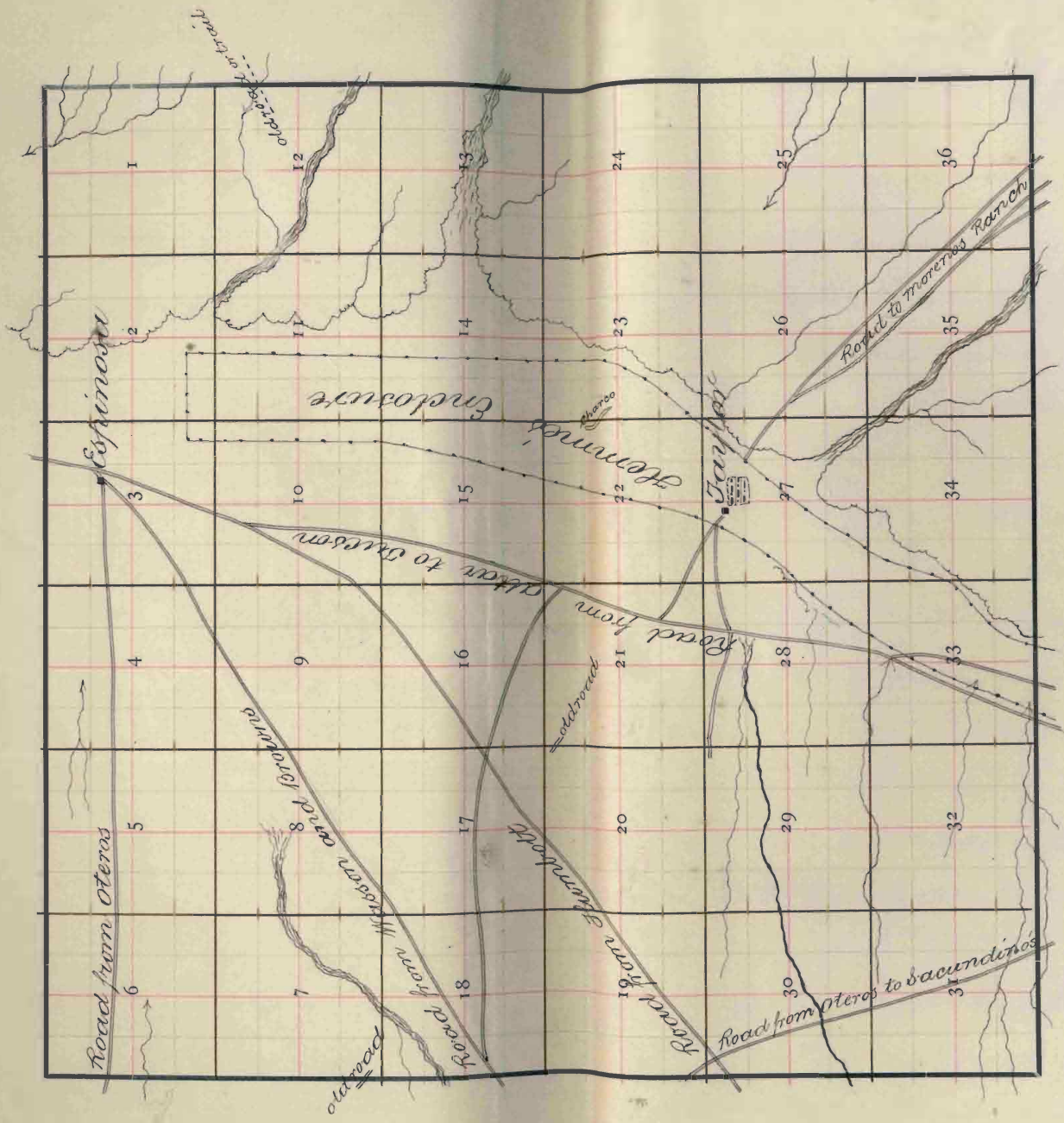
For preliminary plats see
book no. 1.

13
BOOK 897

Township No. 17 S. Range No. 9 East, Q. & R. Meridian

BOOK 897

10



- Township Plot.
- Meridian Line,
- Base Line,
- Standard Line,
- Township Lines,
- Section Lines,
- Meander Lines,
- Office Work,

Handwritten notes and markings on the right margin of the page.

Tp. 19 S. R. 9 E.

Chains

Before commencing the Survey of the Sub-division lines of this Township, I take an observation, using a Young & Son's Solar Transit, and find the magnetic Variation to be $12^{\circ}43' E$.

I ran North on a blank line on the East boundary of Sec. 36, and at 40 Chs. from the $\frac{1}{4}$ Sec Cor. and at 80 Chs. found the sec. cor. I then ran $S. 89^{\circ}40' W$. on a blank line on the South boundary of Sec. 36, and at 40 chs. found the $\frac{1}{4}$ Sec. cor. and at 80 chs. found the Sec. cor. My compass will therefore run the same line as the exterior boundaries and the chaining agrees.

Survey commenced September 13th 1886.

I commenced at the cor to Secs. 1, 2, 35, & 36, on the South boundary of Township, which is a Granite stone $12 \times 8 \times 6$ ins. firmly set in the

Subdivisions, T₁₉ S. R. 9 E. - Continued

Chains

ground, with one notch on E and 5 notches on the W. edges, and pits 18x18x12 ins. in each sec., 5½ ft. dist. with mound of earth 2 ft high, 4½ ft base along side, from which

a mesquite 4 ins. diam. bears N. 3° W. 39 lks dist. marked T. 19 S. R. 9 E. S. 35 B. T.

a mesquite 3 ins. diam. bears N. 38° W. 110 lks. dist. marked T. 19 S. R. 9 E. S. 35 B. T.

a mesquite 6 ins. diam. bears S. 29° E. 120 lks. dist. marked T. 20 S. R. 9 E. S. 1 B. T.

a mesquite 6 ins. diam. bears S. 14° E. 270 lks. dist. marked T. 20 S. R. 9 E. S. 1 B. T.

Thence I run

North bet. Secs 35 & 36

at 12° 43' E.

Over level Mesa land.

27.00. Road from Moreno's Ranch to the Balquizarri

Subdivisions, Tp 19 S. R. 9E - Continued

Chains

Valley, course N. W. & S. E.

40.00 Set a Granite stone 12 x 10 x 8 ins 8 ins in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N. & S. of Stone, 5 $\frac{1}{2}$ ft. diet., and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base, alongside, from which a mesquite 6 ins. diam. bears N. 5° W. 40 lks diet. marked $\frac{1}{4}$ S. B. T.

a mesquite 6 ins. diam. bears S. 5° W. 50 lks diet marked $\frac{1}{4}$ S. B. T.

42.00 Road from Moreno's ranch to Baboquivari Valley course N. W. & S. E.

64.00 Herogo 30 lks. wide, course N. W.

80.00 Set a Granite stone 16 x 12 x 10 ins 11 ins in the ground, for Cor. to Secs. 25. 26. 35 & 36, marked with 1 notch on S. and 1 notch on E. edges; dug pits 18 x 18 x 12 ins. in each. sec, 5 $\frac{1}{2}$ ft

Subdivisions, T. 19 S. R. 9 E. - Continued

Streams

dict; and raised a mound of earth 2 feet high,
4½ feet base, alongside; from which

a mesquite 3 in. diam. bears S. 73° W. 33 lks. dist
marked T. 19 S. R. 9 E. S. 35 B. T.

a mesquite 4 in. diam. bears S. 29° E. 131 lks. dist
marked T. 19 S. R. 9 E. S. 36 B. T.

a mesquite 6 in. diam. bears N. 31° W. 268 lks. dist.
marked T. 19 S. R. 9 E. S. 26 B. T.

a mesquite 8 in. diam. bears N. 14° E. 165 lks. dist.
marked T. 19 S. R. 9 E. S. 25 B. T.

Land, level. Good grass.

Soil, 2^d and 3^d rate.

Timber, scattering mesquite.

East on a random line bet. Secs 25 & 36

Var 12° 43' E.

Subdivisions, T_p. 19 S. R. 9 E. - Continued

Chains

Over level Mesa land.

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

79.96. Intersect E. boundary of Township at 31 lks. S of the cor. to Secs. 25, 30, 31, & 36, which is a Granite stone 24 x 12 x 8 ins. firmly set in the ground, with 1 notch on S. and 5 notches on N. edges, with pits 18 x 18 x 12 ins. in each sec., 5 $\frac{1}{2}$ ft. dist. with mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside, from which a mesquite 8 ins. diam. bears S. 22° E. 205 lks. dist. marked T. 19 S. R. 10 E. S. 31 B. T.

a mesquite 6 ins. diam. bears S. 49° W. 121 lks. dist. marked T. 19 S. R. 9 E. S. 36 B. T.

a mesquite 8 ins. diam. bears N. 63° W. 291 lks. dist. marked T. 19 S. R. 9 E. S. 25 B. T.

a mesquite 6 ins. diam. bears N. 51° W. 225 lks. dist. marked T. 19 S. R. 9 E. S. 25 B. T.

Thence S. run

Subdivisions, T₁₉ S. R. 9 E. Continued

chains

S 89° 47' W. on a true line bet. Secs 25 & 36 with same Var.

39.98. Set a Granite stone, 20 x 8 x 4 ins. 15 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 & 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, along side, from which

a mesquite 6 ins. diam. bears S. 80° E 182 lks dist. marked $\frac{1}{4}$ S. B. T.

a mesquite 4 ins. diam. bears S. 77° W. 142 lks dist marked $\frac{1}{4}$ S. B. T.

79.96. The cor to secs 25. 26. 35 & 36.

Land, level. Good grass.

Soil, 2^d rate

Timber, scattering mesquite.

Subdivisions, T. 19 S. R. 9 E. - Continued

Chains

North, bet. Secs. 25 & 26.

Var. $12^{\circ}43'E$.

Over level, Mesa land.

- 40.00. Set a Granite 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, dug pits $18 \times 18 \times 12$ ins. N. & 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, from which
- a mesquite 8 ins. diam. bears S. $72^{\circ}W$. 74 lks dist. marked $\frac{1}{4}$ S. B. T.
- a mesquite 6 ins. diam. bears N. $82^{\circ}W$. 100 lks. dist. marked $\frac{1}{4}$ S. B. T.

- 80.00. Set a Granite stone $18 \times 8 \times 6$ ins 12 ins in the ground, for Cor. to Secs. 23. 24. 25 & 26, marked with 2 notches on S. and 1 notch on E. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dist. and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chains

base alongside.

Land, level. Good grass.

Soil, 2^d class.

Timber, scattering mesquite.

East on a random line bet Secs 24 & 25

Var. $12^{\circ}43'E$.

Over level Mesa land

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

80.10 Intersect East boundary of Township at 20th S of the cor to secs. 19, 24, 25 & 30, which is a volcanic stone firmly set in the ground with 2 notches on the S. and 4 notches on the N. edges, with pits $18 \times 18 \times 12$ in. in each sec, $5\frac{1}{2}$ feet dist. and mound of earth 2 ft high, $4\frac{1}{2}$ ft base, alongside, from which

Subdivisions, Tp 19 S. R. 9 E. - continued

Chains

a mesquite 3 ins. diam. bears N. 57° E. 135 lks dist.
marked T. 19 S. R. 10 E. S. 19. B. T.

a mesquite 3 ins. diam. bears N. 73° E. 148 lks dist.
marked T. 19 S. R. 10 E. S. 19. B. T.

a mesquite 3 ins. diam. bears S. 80° E. 126 lks dist.
marked T. 19 S. R. 10 E. S. 30 B. T.

a mesquite 3 ins. diam. bears S. 60° E. 217 lks dist.
marked T. 19 S. R. 10 E. S. 30 B. T.

Thence I ran

S $89^{\circ} 51'$ W on a true line bet. Secs. 24 & 25, with
same Var.

40.05 Set a Volcanic stone 15 x 10 x 8 ins. 10 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 & W. of Stone, 5 $\frac{1}{2}$ feet
dist, and raised a mound of earth 1 $\frac{1}{2}$ feet
high, 3 $\frac{1}{2}$ feet base, alongside, from which
a mesquite 3 ins. diam. bears S. 13° W. 30 lks

Subdivisions, Tp 19 S. R. 9E - Continued

Chains

dirt marked $\frac{1}{4}$ S. B. T.a mesquite 3 ins. diam. bears S. 11° E. 35 lks dirt marked $\frac{1}{4}$ S. B. T.

80.10 The cor. to secs. 23, 24, 25 & 26.

Land, level. Good grass

Soil, 2^d and 3^d rate

Timber, scattering Mesquite.

North, bet Secs. 23 & 24

Var. $12^{\circ} 43' E.$

40.00 Set a Quartz stone 15 x 10 x 6 ins 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N & S of stone, $5\frac{1}{2}$ feet dist., and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base alongside.

80.00 Set a Volcanic stone 20 x 12 x 10 ins 15 ins in

Subdivisions, T₁₉S. R₉E. - Continued

Chains

the ground, for Cor. to Secs. 13, 14, 23 & 24, marked with 3 notches on S and 1 notch on E. edges; dug pits 18x18x12 ins; in each sec 5½ ft. dist, and raised a mound of earth 2 ft high, 4½ ft base, alongside.

Land, level. Good grass.

Soil, 2^d and 3^d rate

Timber, a few mesquite.

East on a random line bet Secs 13 & 24.

Var. 12°43' E.

Over level Mesa land.

28.50. Wash 18 lks wide, course N.W.

40.00. Set temporary ¼ Sec. Cor.

80.06. Intersect E. boundary of Township at 18 lks S. of cor. to Secs. 13, 18, 19 & 24, which is a

Subdivisions, T_p 19 S. R. 9 E. - Continued

Chains

Volcanic stone, 20 x 10 x 8 in. firmly set in the ground with 3 notches on N. and 3 notches on S. edges, and with pits 18 x 18 x 12 in., in each sec., 5 1/2 ft. dist., and a mound of earth 2 feet high, 4 1/2 ft. base alongside, from which

a mesquite 6 in. diam. bears S. 36° E. 204 lbs. dist. marked T. 19 S. R. 10 E. S. 19 B. T.

a mesquite 6 in. diam. bears S. 72° E. 60 lbs. dist. marked T. 19 S. R. 10 E. S. 19 B. T.

a mesquite 4 in. diam. bears N. 30° E. 100 lbs. dist. marked T. 19 S. R. 10 E. S. 18 B. T.

a mesquite, 8 in. diam. bears N. 8° E. 244 lbs. dist. marked T. 19 S. R. 10 E. S. 18 B. T.

Thence I run

S. 89° 52' W. on a true line bet Secs. 13 & 24 with same var.

40.03 Set a Volcanic stone 18 x 12 x 12 in. 12 in. in

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & 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, from which a mesquite 6 ins. diam. bears S. 40° W. 164 lks. dist. marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.06 The cor to Secs. 13. 14. 23 & 24.

Land, level. Good grass.

Soil, 2^d and 3^d rate.

Timber, scattering mesquite.

North, bet Secs. 13 & 14.

Var. $12^\circ 43' E.$

Leave mesa land, and

31.00 enter flat at point where a big Arroyo empties

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

into the Baboquivari bottom.

40.00. Set a Granite stone $24 \times 12 \times 10$ ins 18 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N. & 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; from which

a mesquite 6 ins. diam. bears N. 34° W. 160 lks dist. marked $\frac{1}{4}$ S. B. T.

a mesquite 8 ins. diam. bears. S. 27° W. 103 lks dist. marked $\frac{1}{4}$ S. B. T.

49.00. Leave flat and enter mesa land.

80.00. Set a Granite stone, $22 \times 12 \times 8$ ins. 17 ins. in the ground, for Cor. to Secs. 11. 12. 13 & 14, marked with 4 notches on S and 1 notch on E. edges; dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dist; and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft base alongside; from which

Subdivisions, T. 19 S. R. 9 E. - Continued

Chains

a mesquite 6 ins. diam. bears N. 30° E. 212 lks.
 dist. marked. T. 19 S. R. 9 E. S. 12 B. T.

a mesquite 3 ins. diam. bears S. 83° E. 109 lks.
 dist. marked T. 19 S. R. 9 E. S. 13 B. T.

a mesquite 10 ins. diam. bears S. 38° E. 195 lks.
 dist. marked T. 19 S. R. 9 E. S. 13 B. T.

a mesquite 6 ins. diam. bears S. 23° E. 236 lks.
 dist. marked T. 19 S. R. 9 E. S. 13 B. T.

Land, level. Good grass.

Soil, in flat 1st class, on mesa, 2^d rate.

Timber, scattering mesquite.

East on a random line bet. Secs. 12 & 13.

Var. $12^{\circ}43'$ E.

Over level Mesa land.

11.00. Strays 18 lks. wide, course N. W.

Subdivisions, T_p. 19. S. R. 10 E. - Continued

Chains

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

79.96. Intersect E. boundary of Township at 16 lks S. of the cor. to secs. 7, 12, 13 & 18, which is a Granite stone firmly set in the ground 12x10x6 ins, with 4 notches on the S. and 2 notches on the N. edges, and with pits 18x18x12 ins in each sec. 5 $\frac{1}{2}$ ft dist, and a mound of earth 2 ft high, 4 $\frac{1}{2}$ ft base, alongside, from which a mesquite 6 ins. diam. bears S. 38° E. 205 lks dist. marked. T. 19 S. R. 10 E. S. 18 B.T.

A mesquite 8 ins. diam. bears S. 61° E. 162 lks. dist. marked. T. 19 S. R. 10 E. S. 18 B.T.

A mesquite 5 ins. diam. bears N. 78° E. 214 lks. dist. marked. T. 19 S. R. 10 E. S. 7 B.T.

A mesquite 6 ins. diam. bears N. 23° E. 172 lks. dist. marked. T. 19 S. R. 10 E. S. 7 B.T.

Thence From

Subdivisions, Tp. 19 S. R. 9 E. - (Continued)

Chains

S. $89^{\circ}53'$ W. on a true line bet Secs. 12 & 13, with same. Var.

39.98. Set a Granite stone $24 \times 12 \times 6$ ins 18 ins in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & 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, from which

A mesquite 6 ins. diam. bears South, 44 lks dist. marked $\frac{1}{4}$ S. B. T.

A mesquite 5 ins. diam. bears S. 83° W. 60 lks dist. marked $\frac{1}{4}$ S. B. T.

79.96. The cor. to secs. 11, 12, 13 & 14.

Land, level. Good grass.

Soil, 2^d and 3^d rate.

Timber, scattering mesquite.

Subdivisions, T_p. 19 S. R. 9E. - Continued

Chains.

North, bet. Secs 11 & 12.

Var. $12^{\circ}43' E$.

Over level Mesa land.

7.50 Wash. 30 lks wide, course W.

40.00. Set a Granite stone $15 \times 8 \times 6$ ins. 10 ins. with ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N & 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, along side, from which

A mesquite 3 ins. diam. bears N. $24^{\circ} E$. 68 lks. dist. marked $\frac{1}{4}$ S. B. T.

A mesquite 3 inches diam bears N. $48^{\circ} E$. $9\frac{1}{4}$ lks. dist. marked $\frac{1}{4}$ S. B. T.

49.00 Herayo 3 chs. wide, course N. W.

61.00. Wash. 20 lks wide, course N. W.

80.00. Set a Granite stone $14 \times 10 \times 8$ ins 10 ins. in the ground, for Cor to Secs. 1. 2. 11. & 12,

Subdivision, Sp. 19 S. R. 9 E. - Continued

Chain

marked with 5 notches on S. and 1 notch on E. edges, dug pits 18x18x12 ins. in each. sec. 5½ ft. dist; and raised a mound of earth 2 ft high, 4½ ft base, along side, from which.

A mesquite 12 ins diam bears N. 30° E. 156 lks dist marked T. 19 S. R. 9 E. S. 1 B. T.

A mesquite 8 ins diam bears N. 49° E. 114 lks dist. marked T. 19 S. R. 9 E. S. 1 B. T.

A mesquite 6 ins diam bears N. 58° E. 197 lks dist. marked T. 19 S. R. 9 E. S. 1 B. T.

A mesquite 8 ins diam bears S. 34° E. 233 lks dist. marked T. 19 S. R. 9 E. S. 12 B. T.

Land level. Good grass

Soil 2^d and 3^d rate.

Timber, Scattering mesquite.

Subdivisions, Tp 19 S. R. 9 E. - Continued.

Chains.

East on a random line bet Secs. 1 & 12.

Var. $12^{\circ}43'$ E.40.00. Set temporary $\frac{1}{4}$ Sec. Cor.

79.91. Intersect E. boundary of Township at 18 lks
S. of the cor. to secs. 1, 6, 7 & 12, which is a Volcanic
Stone $20 \times 10 \times 6$ ins. firmly set in the ground,
with 5 notches on the S. and 1 notch on the N.
edges, and pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft
diam., and ^{raised} a mound of earth 2 ft high, $4\frac{1}{2}$ ft
base, alongside, from which

A mesquite 6 ins. diam. bears S. $86^{\circ}W$. 112 lks.
diam., marked T. 19 S. R. 9 E. S. 12 B. T.

A mesquite 6 ins. diam. bears S. $83^{\circ}W$. 41 lks.
diam., marked T. 19 S. R. 9 E. S. 12 B. T.

A mesquite 4 ins. diam. bears S. $39^{\circ}E$. 32 lks.
diam., marked T. 19 S. R. 10 E. S. 7 B. T.

A mesquite 8 ins. diam. bears S. $79^{\circ}E$. 52 lks.

Subdivisions, Tp. 19 S. R. 9 E - Continued

Chains.

dist. marked T. 19 S. R. 10 E. S. 7 B. T.

Hence I run

$\S 89^{\circ} 52' W.$ on a true line bet Secs. 1. ~~2~~ & 12
with same bar

39.96 Set a Granite stone $16 \times 10 \times 6$ ins. 11 ins in the ground
for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits 18×18
 $\times 12$ ins. E & W of Stone, $5\frac{1}{2}$ ft dist, and raised
a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, along
side, from which

A mesquite 8 ins. diam. bears N. $45^{\circ} E.$ 85 lks. dist.
marked $\frac{1}{4}$ S. B. T.

A mesquite 10 ins. diam. bears S. $44^{\circ} E.$ 96 lks.
dist. marked $\frac{1}{4}$ S. B. T.

79.91 The cor. to secs 1. 2. 11 & 12

Land, gently rolling. Good-grass
Soil, 2^d and 3^d rate

Timber, Scattering Mesquite.

Subdivisions, Tp 19. S. R. 9E. - Continues

North on a random line bet. Secs 1 & 2

Var. $12^{\circ}43'E$.

Over gently rolling land.

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

80.13 Intersect the N. boundary of Township at 28 lks. W. of the cor. to Secs. 1, 2, 35 & 36, which is a Granite stone, $15 \times 12 \times 10$ ins. firmly set in the ground with 1 notch on the E and 5 notches on the W. edges, and mound of stone alongside
Thence True

S. $0^{\circ}12'W$. on a true line bet Secs 1 & 2 with same Var.

40.13 Set a Granite stone $18 \times 8 \times 6$ ins 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N & S. of Stone, $5\frac{1}{2}$ feet dist, and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ ft base, alongside

Subdivisions T. 19 S. R. 9 E. - Continued

80.13. The cor. to Secs 1, 2, 11 & 12.

Land, gently rolling. Good grass.

Soil, 3^d and 4th rates.

Timber - some few mesquite.

September 13th 1886.

From the cor. to Secs. 2, 3, 34 & 35, on the S. boundary of the Township, which is a Granite stone 20x10x6 in. firmly set in the ground, with 2 notches on E. and 4 notches on W. edges, with pits 18x18x12 in. in each sec. 5 1/2 ft dist., and with a mound of earth 2 ft high, 4 1/2 ft base, alongside, from which

A mesquite 6 in. diam. bears N. 40° W. 280 lks dist. marked T. 19. S. R. 9 E. S. 34 B. T. From North, bet secs. 34 & 35

Variation 12° 43' E.

Subdivision, Tp 19 S. R. 9 E. - Continued

chains

Over gently rolling land

40.00. Set a Granite stone $14 \times 10 \times 8$ ins 10 ins in the ground, for $\frac{1}{4}$ Sec. Cor; marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N & S. of Stone, $5\frac{1}{2}$ ft dist, and raised a mound of earth $1\frac{1}{2}$ feet high, $3\frac{1}{2}$ feet base, alongside.

48.00. Wash 20 lks wide, Course N. E.

60.00. Same wash, 30 lks wide, Course N. W.

71.50. Enter wash, course N. W.

76.50. Leave wash, course N. W.

80.00. Set a Granite stone $18 \times 8 \times 6$ ins 12 ins in the ground for Cor to Secs 26, 27, 34 & 35, marked with 1 notch on S. and 2 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, from which

A mesquite 4 ins. diam. bears N. 65° E. 124 lks.

Subdivisions, T. 19 S. R. 9 E. - Continued

Chains

dist. marked T. 19 S. R. 9 E. S. 26 B. T.

A mesquite 4 ins. diam. bears N. 54° E. 123 lks. dist.

marked T. 19 S. R. 9 E. S. 26 B. T.

A mesquite 6 ins. diam. bears N. 7° W. 273 lks.

dist. marked T. 19 S. R. 9 E. S. 27 B. T.

A mesquite 8 ins. diam. bears S. 15° W. 292 lks.

dist. marked T. 19 S. R. 9 E. S. 34 B. T.

Land, gently rolling. Good grass.

Soil, 2^d and 3^d rate.

Timber, Scattering mesquite.

East on a random line bet Secs 26 & 35.

Var. 12° 43' E.

Over level Mesa land

27.25 Road from Moreno's ranch to the Baboquivari Valley, course N. W. & S. E.

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chains

- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 45.50. Road from Moreno's ranch to the Baboguran Valley, course N.W. & S.E.
- 63.50. Wash, 50 lks wide, course N.W.
- 80.10. Intersect N & S line at 28 lks S. of the cor. to secs. 25. 26. 35 & 36, Thence run S $89^{\circ} 48' W$ on a true line bet Secs 26 & 35 with same Var.
- 40.05. Set a Volcanic stone, 13 x 10 x 6 ins. 9 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits 18 x 18 x 12 ins. E. & 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, from which H. mesquite 8 ins. diam. bears North 8 lks dist. marked $\frac{1}{4}$ S. B. T.
- H. mesquite 6 ins diam bears N. $70^{\circ} E$. 96 lks. dist marked $\frac{1}{4}$ S. B. T.

Subdivisions, Tp. 19 S. R. 9 E - Continued

Chama

80.10 The cor to secs. 26, 27, 34 & 35.

Land, level. Good grass.

Soil, 2^d rate.

Timber, scattering mesquite.

North, bet. Secs 26 & 27

Var 12° 43' E.

Over level near land.

40.00 Set a Granite stone, 15 x 10 x 8 ins 10 ins in the ground, for $\frac{1}{4}$ Sec. Cor marked $\frac{1}{4}$ on W face, dug pits 18 x 18 x 12 ins N & S. of stone, 5 $\frac{1}{2}$ ft diam, and raised a mound of earth 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft base, alongside, from whichA mesquite 6 ins. diam. bears West 68 lks diam. marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

Subdivisions, T_p 19 S. R 9 E. - Continued

Chains.

- 45.00 Road from Moreno's Ranch to the Baboquivari Valley course, N.W. & S.E.
- 65.00 Leave mesa and enter Baboquivari Valley bottom land.
- 80.00 Set a Granite stone 12 x 8 x 6 ins & ins in the ground, for Cor. to Secs. 22, 23, 26 & 27, marked with 2 notches on S and 2 notches on E. edges; dug pits 18 x 18 x 12 ins, in each sec., 5½ ft. diam.; and raised a mound of earth 2 ft high, 4½ ft base, alongside, from which
- A mesquite 12 ins. diam. bears S. 71° W. 465 lks. dist. marked T. 19 S. R. 9 E. S. 27 P. T.
- A mesquite 12 ins. diam. bears N. 55° W. 381 lks. dist. marked T. 19 S. R. 9 E. S. 22 P. T.
- A tesote 6 ins. diam. bears S 80° E. 150 lks. dist. marked T. 19 S. R. 9 E. S. 26 P. T.
- No other trees within limits.

Subdivisions, Tp. 19 S. R. 9 E - Continued.

Chavis

Land, level. Good grass.

Soil, in bottom 1st class, on mesa land 2^d rate.

Timber, scattering mesquite

East on a random line bet Secs 23 & 26.

Var. $12^{\circ}43'6''$.

Over level land.

14.00 Leave Bottom land and enter mesa

28.00 Arroyo 20 lks wide, course N. W.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.49.00 Arroyo 10 lks wide, course N. 20° W.

79.93 Intersect N & S line at 19 lks S of the cor to

Secs 23, 24, 25 & 26. Thence I run

S $89^{\circ}52'W$ on a true line bet Secs 23 & 26 with
same Var.39.97 Set a Granite stone $12 \times 8 \times 6$ ins 8 ins in the

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chasms

ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face,
 dug pits $18 \times 18 \times 12$ ins. E & 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, from which
 a mesquite 6 ins. diam bears N. 52° W 100 ft dist,
 marked $\frac{1}{4}$ S. B. T.

a mesquite 8 ins. diam bears S. 14° E. 132 ft dist.
 marked $\frac{1}{4}$ S. B. T.

79.93. The cor. to secs 22, 23, 26 & 27

Land, level. Good grass

Soil, in Bottom 1st rate, on mesa 2^d rate.

Timber, scattering mesquite.

North, bet Secs 22 & 23

Var. $12^\circ 43'$ E.

Over level land.

Subdivisions, T₁₉S. R₉E. - Continued

chains

- 8.00 Fence (Hemlock) post & wire, course N. 25° E. and
S. 30° W.
- 40.00 Set a Granite stone, $15 \times 6 \times 6$ ins. 10 ins in the
ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face,
dug pits $18 \times 18 \times 12$ ins. N & S. of Stone, $5\frac{1}{2}$ ft.
dirt, and raised a mound of earth $1\frac{1}{2}$ ft high,
 $3\frac{1}{2}$ ft base, alongside.
- 56.50 Chaacos or Water hole. 30 ft wide, course N.W. & S.E.
- 80.00 Set a Granite stone $15 \times 10 \times 8$ ins. 10 ins in the
ground, for Cor. to Secs. 14, 15, 22 & 23. marked
with 3 notches on S. and 2 notches on E. edges;
dug pits $18 \times 18 \times 12$ ins, in each sec, $5\frac{1}{2}$ ft dirt,
and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft
base, alongside
Land, level. Good grass.
Soil, 1st rate
Timber, a few mesquite

Subdivisions, T₁₉S. R₉E. - Continued

- chains.
- East on a random line bet. Secs. 14 & 23.
Var. $12^{\circ}43'E$.
- 32.56. Fence (Nemine's) post and wire, course N & S.
- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 52.00. Leave Bottom and enter mesa.
- 79.98. Intersect N & S. line at 21 lks S of the cor. to Secs. 13, 14, 23 & 24. Thence I run $S 89^{\circ}51'W$. on a true line bet. secs. 14 & 23 with same Var.
- 39.99. Set a post, 3 ft long, 3 ins. square, with marked stone, 12 ins. in the ground for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ S. on N. face, dug pits 18 x 18 x 12 ins. E & W. of post, $5\frac{1}{2}$ ft. dia., and raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base, around post; from which
A mesquit 14 ins. diam. bears S. $40^{\circ}W$. 255 lks. dist. marked $\frac{1}{4}$ S. B. T.

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chains

No other trees within limits.

79.98 The cor. to secs. 14, 15, 22 & 23.

Land, level. Good grass.

Soil, in bottom, 1st rate, mesa 2^d rate.

Timber, some few mesquite.

North bet Secs 14 & 15.

Var $12^{\circ}43'$ E.

Over level land.

40.00 Set a post 3 ft long, 3 in. square with marked stone, 12 in. in the ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on W. face; dug pits 18 x 18 x 12 in N. & S. of post, $5\frac{1}{2}$ ft dist, and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, around post; from which 1 mesquite 12" in. diam. bears N. 62 W. 76 lks. dist. marked $\frac{1}{4}$ S. B. T.

Subdivisions, T₁₉S. R₉E. - Continued

Chains.

A mesquite 8 ins. diam. bears S. 49° W. 141 lks.
dist. marked $\frac{1}{4}$ S. B.T.

80.00. Set a Limestone 20x12x10 ins 15 ins in
the ground, for Cor. to Secs. 10. 11. 14 & 15,
marked with 4 notches on S. and 2 notches
on E. edges; dug pits 18x18x12 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.
From which

A mesquite 14 ins. diam. bears N. 28° E. 128
lks. dist. marked T. 19 S. R. 9 E. S. 11 B.T.

A mesquite 6 ins. diam. bears N. 74° E. 175 lks.
dist. marked T. 19 S. R. 9 E. S. 11 B.T.

A mesquite 8 ins. diam. bears S. 68° E. 94 lks.
dist. marked T. 19 S. R. 9 E. S. 14 B.T.

A mesquite 10 ins. diam. bears S. 5° W. 253
lks. dist. marked T. 19 S. R. 9 E. S. 15 B.T.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

Land, level. Good grass.

Soil, 1st rate.

Timber, scattering mesquite.

East on a random line bet. Secs 11 & 14.

Var. $12^{\circ}43'E$.

Over level land.

31.00 Fence (Herrme) post & wire, course N & S.

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

57.00 Leave bottom and enter mesa land.

80.10 Intersect N & S line at 14 lks. S of the cor to

Secs. 11, 12, 13 & 14. Thence I run

S. $89^{\circ}54'W$. on a true line bet Secs 11 & 14, with
same Var.40.05 Set a post, 3 ft long, 3 ins. square with marked
stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. cor, marked

Subdivisions, Tp 19 S. R 9 E. - Continued

Chains

$\frac{1}{4}$ S on. N. face, dug pits $18 \times 18 \times 12$ ins. $\frac{1}{4}$ S. & W. of post, $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, around post.

From which

A mesquite 8 ins. diam. bears $S. 33^{\circ} E. 248$ lks. dist. marked $\frac{1}{4}$ S. B. T.

No other trees within limits.

80.00. The cor. to secs. 10, 11, 14 & 15.

Sand, level. Good grass.

Soil, in bottom 1^{st} rate, on mesa, 2^{d} rate.

Timber, some few mesquite.

North bet. Secs. 10 & 11

Var. $12^{\circ} 43' E.$

Over level land.

40.00. Set a Granite stone $12 \times 8 \times 6$ ins. 8 ins. in

Subdivisions, Tp 19 S. R 9 E. - Continued.

Chains

the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N. & S. of Stone, $5\frac{1}{2}$ ft. dia., and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, alongside.

80.00. Set a Granite stone $16 \times 12 \times 10$ ins. 11 ins. in the ground, for cor. to secs. 2, 3, 10 & 11, marked with 5 notches on S. and 2 notches on E. edges; dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft dia., and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft base, alongside.

Land, level. Good grass.

Soil 1st rate

No timber.

East on a random line bet Secs 2 & 11.

Var. $12^{\circ} 43' E$.

Subdivision Tr 19 S. R 9 E. - Continued

Chains

Over level land.

29.47 Fence (Hemmes's) post & wire, course N & S.

35.50. Arroyo 18 lks wide, course N.W.

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

57.00. Arroyo 2 chs wide, course N.W.

80.10. Intersect N & S. line at 18 lks S of the cor.

to secs. 1-2-11 & 12. Thence from

$S 89^{\circ} 52' W.$ on a true line bet. Secs 2 & 11

with same var.

40.05 Set a Granite stone 12x8x6 ins 8 ins in the ground, for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ on N. face, dug pits 18x18x12 ins. E & 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, along side, from which a mesquite 6 ins diam. bears S. 3 $^{\circ}$ W. 170 lks dist. marked $\frac{1}{4}$ S. B. F.

No other trees within limits.

Subdivisions, T_p. 19 S. R. 9 E. - Continued

Chains

80.10. The cor to Secs. 2, 3, 10 & 11

Land, level. Good grass.

Soil, 1st rate.

Timber, some few mesquite.

North on a random line, bet Secs 2 & 3.

Var. $12^{\circ} 43' E$.

Over level land.

17.00 Fence (Hemmi's) post & wire; course E & W.

40.00 Set temporary $\frac{1}{4}$ Sec. Cor.80.20. Intersect N. boundary of Township at 11 lks E.
of the cor. to secs. 2, 3, 34 & 35, which is a
post 4 in. square marked

T. 18 S. S. 35 on NE.

R. 9 E. S. 2 on SE.

T. 19 S. S. 3 on S.W. and

Subdivision, T_p 19 S. R 9 E. - Continued

Chains

S. 34 on N.W. faces, with 2 notches on E and 4 notches on W edges, with pits 18x18x12 ins. in each sec. 5½ ft. diam., and a mound of earth 2 ft. high, 4½ ft. base, around post.

Thence From

S. 0°05'E on a true line bet. Secs 2 & 3 with same Var.

40.20. Set a post 3 ft. long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ S. on W. face, dug pits 18x18x12 ins. N & S of post, 5½ ft. diam., and raised a mound of earth 1½ ft. high, 3½ ft. base, around post. From which

A mesquite 10 ins. diam. bears N. 65° E. 110 lks. dist. marked $\frac{1}{4}$ S. P. T.

No other trees within limits.

80.20. The cor to secs. 2, 3, 10 & 11

BOOK 897

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

Land level. Good grass.

Soil. 1st rate

No timber.

September 14th 1886.

From the cor. to Secs. 3. 4. 33 & 34 on the South boundary of Township, which is a Granite stone 16 x 8 x 8 in firmly set in the ground with 3 notches on E and 3 notches on W. edges and mound of stone alongside; I run North let Secs 33 & 34

Var 12° 43' E.

Over level land

40.00. Set a Granite stone 16 x 10 x 8 in 11 in in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 in N & S. of Stone, 5 $\frac{1}{2}$ ft dist; and raised a mound of earth 1 $\frac{1}{2}$ ft

Subdivisions, T₁₉ S. R₉ E. - Continued

Chains

high, $3\frac{1}{2}$ ft base alongside; from which
 a mesquite 6 ins diam ^{bearing} S. 60° W. 140 lks dist.
 marked $\frac{1}{4}$ S. B. T.

a mesquite 6 ins. diam ^{bearing} N. 40° E. 97 lks dist.
 marked $\frac{1}{4}$ S. B. T.

41.00. Leave mesa and enter bottom lands.

43.00. Fence (Hemme's) post & wire, course N 20° E and
 S. 40° W.

80.00. Set a post, 4 ft long, 4 ins. square with
 marked stone, 12 ins. in the ground, for cor
 to secs. 27, 28, 33, & 34, and marked

T. 19 S. S. 27 on NE.

R. 9 E. S. 34 on SE.

S. 33 on SW. and

S. 28 on N.W. face with 1 notch on S. and
 3 notches on E. edges, dug pits 18 X 18 X 12
 ins. in each sec. $5\frac{1}{2}$ ft dist, and raised a

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Stations

mound of earth 2 ft. high, 4 1/2 ft base, around post

Land, level. Good grass.

Soil, in bottom 1st rate, on mesa 2^d rate

Timber, scattering mesquite

East on a random line bet Secs 27 & 34

Var 12° 43' E.

Over level land

14.80 Fence (Heneme's) post & wire, course N. 20° E and S. 20° W.

39.00 Leave bottom and enter mesa

40.00 Set temporary 1/4 Sec. Cor.

72.00 Arroyo 50 lks, course N. W.

76.00 Arroyo 2 cho. wide course N. W.

79.98 Intersect N. & S. line at 16 lks S of cor. to Sec. 26.

Subdivisions, Tp 19 S. R 9 E. - Continued

Chains

27.34 & 35. Thence I run

S $89^{\circ} 53' W$. on a true line, bet secs 27 & 34 with same var.

39.99. Set a Granite stone $18 \times 6 \times 8$ ins. 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & 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. From which

A mesquite 6 ins. diam. bears N. $70^{\circ} W$. 115 lks. dist. marked $\frac{1}{4}$ S. B. T.

A mesquite 3 ins. diam. bears N. $46^{\circ} W$. 193 lks. dist. marked $\frac{1}{4}$ S. B. T.

79.98. The cor. to secs. 27. 28. 33 & 34.

Land, level. Good grass.

Soil, in bottom 1st rate, on mesa 3^d rate.

Timber, scattering mesquite.

Subdivisions, T₁₉S. R₉E. - Continued

Chain

North bet. Secs. 27 & 28
Var. 12°43'E.

Over level land.

32.00. Fence (Hemmes's) post & wire, course S. 40°W & N 40°E.

37.00. Leave bottom and enter mesa

40.00. Set a Granite stone 15 x 10 x 8 ins 10 ins. in the ground for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N & S of Stone, 5½ ft. dia., and raised a mound of earth 1½ feet high, 3½ ft. base, alongside.

75.50 Road from the main Altar & Tucson road to Taylor's ranch house, course E & W.

80.00. Set a Granite stone 20 x 8 x 6 ins 15 ins. in the ground, for Cor. to Secs. 21, 22, 27 & 28, marked with 2 notches on S and 3 notches on E edges, dug pits 18 x 18 x 12 ins. in each sec. 5½ ft. dia., and raised a mound of earth 2 ft. high, 4½ ft

Subdivisions, T₁₉S. R. 9E. - Continued

Chains

base, alongside

Land, level. Good grass.

Soil, in bottom 1st rate on mesa 3^d rate.

Timber, some few mesquite.

East on a random line bet Secs 22 & 27.

Var. $12^{\circ}43'E$.

- 21.00. Road from the Tucson & Altar road to Taylor's ranch house, course N.W. & S.E.
- 28.50. Fence (Hemme's) post & wire, course N. & S. and enter bottom land.
- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 77.30. Fence (Hemme's) post & wire, course N. $20^{\circ}E$ and S. $20^{\circ}W$.
- 80.02. Intersect N. & S. line at 26 lks S. of cor. to Secs 22, 23, 26, & 27. Thence I run

Subdivisions, Tp. 19 S. R 9 E. - continued

Chains

S. $89^{\circ}49'W$. on a true line bet. secs. 22 & 27, with some var.

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

Thomas Taylor's ranch house and out-buildings bear S $20^{\circ}E$. 11.45 chs. dist. House substantially built of adobe. There is a small patch of corn growing in a field immediately E. of Taylor's house.

80.02 The cor to Secs 21. 22. 27 & 28

Land level. Good grass.

Soil, in bottom 1st rate, on mesa 3^d rate.

Timber, scattering mesquite.

Subdivisions, T₁₉ S. R. 9 E - continued

Chains

By observation taken this day I find the magnetic Variation to be $12^{\circ}43'E$

North, bet Secs 21 & 22.

Var. $12^{\circ}43'E$.

Over level Mesa.

- 11.40. Road from main Tucson & Altar road to Taylor's ranch house, course $N\frac{1}{2}S\frac{1}{2}E$.
- 40.00. Set a Granite stone $12 \times 8 \times 6$ ins 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W face, dug pits $18 \times 18 \times 12$ ins. N & S . of Stone, $5\frac{1}{2}$ ft. dia.; and raised a mound of earth, $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.
- 70.50 Main Tucson & Altar road, course $N20^{\circ}E$ & $S. 20^{\circ}W$.
- 80.00. Set a Granite stone $14 \times 12 \times 8$ ins 10 ins in the ground, for Cor. to Secs. 15. 16. 21 & 22,

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

marked with 3 notches on S and 3 notches on E edges; dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft dist; and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft base, alongside.

Land, level. Good grass.

Soil, 2^d and 3^d rate

No timber

- East on a random line bet Secs 15 & 22.

Var. $12^{\circ}43' E$.

Over level Mesa.

- 3.00. Main Tucson & Altar road, course $N15^{\circ}E$ and $S.15^{\circ}W$.
- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 50.50. Fence. (Kensme's) post & wire, course $N.20^{\circ}E$ and $S.20^{\circ}W$. Enter bottom land.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

chains.

- 80.10. Intersect N. & S. line 33 lks S of the cor. to Secs. 14, 15, 22 & 23. Thence I run S $89^{\circ}46'W$. on a true line bet Secs 15 & 22 with same Var.
- 40.05 Set a Granite Stone 18 x 12 x 6 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 & W. of stone, 5 $\frac{1}{2}$ ft diam, and raised a mound of earth 1 $\frac{1}{2}$ feet high, 3 $\frac{1}{2}$ feet base along side.
- 80.10 The cor. to Secs. 15, 16, 21 & 22
Land, level. Good grass.
Soil, in bottom 1st rate, Mesa 2^d rate.
No timber.

By observation taken this day I find the magnetic Var. to be $12^{\circ}45'E$.

Subdivisions, T_p. 19 S. R 9 E. - (Continued)

Chassis

North bet. Secs. 15 & 16.

Var. 12° 45' E.

Over level Mesa.

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

80.00. Set a Granite stone 15 x 8 x 7 ins 10 ins in the ground, for Cor. to Secs 9, 10, 15 & 16, marked with 4 notches on S. and 3 notches on E. edge, dug pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist, and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside.

Land, level. Good grass.

Soil, 2^d rate.

No Timber

Subdivision, Tps. 19 S. R. 9 E. - Continued

Chains.

East on a random line bet Secs 10 & 15.

Var. $12^{\circ}45' E$.

Over level Mesa.

25.00. Main road from Tucson to Altar course N & S.

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

70.50 Fence (Memmi's) post & wire, course N & S. and enter bottom land.

80.13. Intersect N & S line at 19 lks S. of the cor to Secs 10. 11. 14. & 15. Fence I run S. $89^{\circ}52' W$ on a true line bet secs 10 & 15, with same Var.40.07 Set a Granite stone $18 \times 10 \times 8$ ins 12 ins in the ground, for $\frac{1}{4}$ Sec Cor, marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & 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.

80.13. The cor to secs 9. 10. 15 & 16.

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chains

Land level. Good grass.

Soil, in bottom 1st rate, on mesa 2^d rate

No Timber.

North bet Secs. 9 & 10

Var. $12^{\circ}45' E.$

Over level Mesa

- 9.00 Road from Humboldt Camp to Capirosa. Course NE & SW
- 40.00 Set a post, 3 ft long, 3 ins. square with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ sec. Cor., marked $\frac{1}{4}$ S. on W. face; dug pits 18x18x12 ins N & S. of post, $5\frac{1}{2}$ ft dist., and raised a mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, around post
- 70.00 Enter scattering mesquite.
- 74.20 Thruyo 18 lks wide, course E
- 80.00 Set a Granite stone 12x8x6 ins 8 ins. in the

Subdivisions, T_p 19 S. R. 9 E. Continued

Chains

ground for Cor to. Secs 3, 4, 9 & 10, marked with 5 notches on S. and 3 notches on E. edges. dug pits 18x18x12 in, in each sec., 5½ ft. dist. and raised a mound of earth 2 ft high, 4½ ft base, alongside; from which a mesquite 12 in. diam. bears N. 44° E. 410 lks. dist. marked T_p 19 S. R. 9 E. S. 3 R. 5. No other trees within limits. Land level. Good grass. Soil, 2^d & 3^d rate. Timber, some scattering mesquite at North end of line.

East on a random line bet secs 3. & 10
 Var. 12° 45' E.
 Over level Mesa.

Subdivisions, Tp 19 S. R. 9 E. Continued

Chains

- 17.00. Thruway 20 lks wide, course N.E.
- 37.50. Main Tucson rd. Altar road, course N.W. S.
- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 45.00. Wash 10 lks wide, course N.E.
- 52.00. Wash 18 lks wide, course N.E.
- 56.00. Enter bottom land.
- 69.20. Fence (Hemmi's) post & wire, course N & S.
- 79.91. Intersect N & S line, 20 lks S. of the cor
to Secs. 2, 3, 10 & 11. Thence I run
S. $89^{\circ}57'W$. on a true line bet. Secs. 3 & 10
with same Var.
- 39-96. Set a post, 3 ft long, 3 ins. square with
marked stone, 12 ins. in the ground for $\frac{1}{4}$ Sec.
Cor., marked $\frac{1}{4}$ S. on N. face; dug pits 18 x
18 x 12 ins E & W. of post, $5\frac{1}{2}$ ft dist, and
raised a mound of earth, $1\frac{1}{2}$ ft high, $3\frac{1}{2}$
ft base, around post.

Subdivisions, T₁₉S. R. 9E. - Continued

chain.

79.91. The cor to secs. 3, 4, 9 & 10.

Land, level. Good grass.

Soil, in bottom 1st rate, on mesa. 4th rate.

Timber, a few scattering mesquite. W end of line

North on a random line bet. Secs 3 & 4.

Var. 12° 45' E.

Over level mesa.

16.70 Road from Wasson & Brown's ranch to Espinosa's course S. W & N. E.

40.60 Set temp $\frac{1}{4}$ Sec. Cor.

54.70 Road from Otero's ranch to Espinosa's course E & W.

79.80. Intersect the N. boundary of Township at 14 lks. W of the cor. to secs 3, 4, 33 & 34, which is a post 4 ins. square, marked

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

T. 18 S. S. 34 on NE.

R. 9 E. S. 3 on SE.

T. 19 S S. 4 on SW, and

S. 33 on NW faces with 3 notches on the E and 3 notches on the W edges, and pits 18x18x12 ins. in each sect. 5½ ft. dist., and a mound of earth 2 ft. high 4½ ft. base, around post, from which

A mesquite 6 ins. diam. bears N. 30° W. 238 lks dist. marked T. 18 S. R. 9 E. S. 33 B. T.

A mesquite 6. ins diam. bears S. 53° W. 214 lks dist. marked T. 19 S. R. 9 E. S. 4 B. T.

Thence I run

S. 0° 06' W. on a true line bet. Secs. 3 & 4 with some var.

39. 80. Set a post, 3 ft long, 3 ins. square with marked stone 12 ins. in the ground. for ¼ Sec. Cor., marked

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chain.

$\frac{1}{4}$ S. on W. face, dug pile 18X15X12 ins. N.W. S.
of post, $5\frac{1}{2}$ ft. dist. and raised a mound of
earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, around post.
From which

A mesquite 6 ins. diam bears West 96 lks. dist.
marked $\frac{1}{4}$ S. P. T.

A mesquite 6 ins. diam. bears East. 104 lks. dist.
marked $\frac{1}{4}$ S. P. T.

Land, level. Good grass.

Soil, 2^d & 3^d rate.

Timber, scattering mesquite.

September 15th 1886.

From the cor. to secs. 4, 5, 32 & 33, on the South
boundary of the Township, which is a Granite
stone 24X12X8 in. firmly set in the ground with
4 notches on the E. and 2 notches on the W.

Subdivisions, T₁₉S. R. 9E. - Continued

Chains

edges, and pits 18x18x12 ins, in each sec. 5½ ft. dist; and a mound of earth 2 ft high, 4½ ft base alongside, from which

A mesquite 12 ins. diam. bears N. 73½° E. 120 lks. dist. marked T₁₉S. R. 9E. S. 33 B.T.

A mesquite 10 ins. diam. bears S. 75° E. 70 lks. dist. marked T. 20 S. R. 9E. S. 4 B.T.

A mesquite 10 ins. diam. bears N. 72° W. 123 lks. dist. marked T. 19 S. R. 9E. S. 32 B.T.

A mesquite 8 ins. diam. bears N. 11° E. 257 lks. dist. marked T. 19 S. R. 9E. S. 33. B.T.

Grass

North bet Secs. 32 & 33.

Var. 12° 45' E.

Over level Mesa land

2.00 arroyo 1 chain wide, course E.
35.00. Arroyo 15 lks wide, course E.

40.00. Set a Granite Stone 14x10x8 ins 10 ins. in

Subdivisions, T. 19 S. R. 9 E - Continued

Charno.

the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ on W. face, dug pits 18x18x12 ins. N. & 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.

From which

A mesquite, 8 ins. diam. bears S. 31° W. 32.8

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

A mesquite 10 ins. diam. bears S. 10° W. 38.3

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

80.00. Set a Granite stone 18x10x8 ins. 12 ins in the ground, for Cor. to Secs. 28, 29, 32, & 33, marked with 1 notch on S. and 4 notches on E. edges, dug pits 18x18x12 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.

From which

A mesquite 22 ins. diam. bears N. 88° E. 20.4

Subdivision, Tp. 19 S. R. 9 E. - Continued

Chains

lks. dist. marked T. 19 S. R. 9 E. S. 28. B. T.

A mesquite 12 ins diam. bears S. 86° E. 153 lks. dist.
marked T. 19 S. R. 9 E. S. 33 B. T.

A mesquite 4 ins. diam. bears S. 36° E. 97 lks. dist.
marked T. 19 S. R. 9 E. S. 33 B. T.

No other trees within limits.

Land, level. Good grass.

Soil, 2^d & 3^d rate.

Timber, scattering mesquite.

East on a random line bet Secs 28 & 33.

Var. 12° 45' E.

Over level Mesa.

5.00. Line runs along Arroyo 40 lks. wide.

20.00. Leaves Arroyo, course S 75° E.

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

46.25. Main Tucson & Altar road, course S 25° W and

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chavis.

N. 10° E.

- 54.75 Fence (Hemmi's) post & wire, corner S 25° W. & N. 45° E. and enter bottom
- 79.94 Intersect N & S line, 18 lks S of the cor. to Secs. 27, 28, 33 & 34. Hence I run S 89° 52' W. on a true line, bet Secs. 28 & 33 with same Var.
- 39.97 Set a Granite stone, 14 x 10 x 8 ins 10 ins in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dig pits 18 x 18 x 12 ins. E & 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, along side from which
- A mesquite 4 ins. diam. bears N. 84° E. 205 lks dist. marked $\frac{1}{4}$ S. B. T.
- A mesquite 6 ins. diam. bears N. 54° E. 96 lks dist. marked $\frac{1}{4}$ S. B. T.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

79.94. The cor. to secs. 28, 29, 32 & 33.

Land, level. Good grass.

Soil, in bottom 1st rate, on mesa, 2^d & 3^d rate

Timber, scattering mesquite.

North bet Secs. 28 & 29

Var. $12^{\circ}45'E$.

Over level Mesa.

1.00 Arroyo 30 lks wide, course E.

31.00. Arroyo 20 lks wide, course E.

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

a mesquite 4 ins. diam. bears S. $82^{\circ}E$. 175 lks

Subdivisions, Tp 19 S. R. 9 E. - Continued

chains.

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

a mesquite 4 ins. diam. bears S. 84° E. 200

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

57.00 Arroyo 15 lks. wide, course E.

62.00 Arroyo 10 lks wide, course E.

78.75 Old road, course E & W.

80.00 Set a Granite stone 18x14x8 ins 12 ins in
the ground, for Cor to Secs. 20, 21, 28 & 29,marked with 2 notches on S. and 4 notches
on E. edges, dug pits 18x18x12 ins. in eachsec. 5½ ft. dist; and raised a mound of
earth 2 ft high, 4½ ft base, alongside.

Land, level. Good grass.

Soil, 2^d & 3^d rate.

Timber, scattering mesquite.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

East on a random line bet Secs. 21 & 28.

Var. $12^{\circ}45' E$.

Over level Mesa.

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

59.00 Road, course N & S. {between Successor's Altar}

79.86. Intersect N & S line. 11 lks. S of the cor. to secs.

21, 22, 27 & 28. Thence I run

 $S 89^{\circ}55' W$. on a true line bet. secs. 21 & 28,
with same Var.39.93 Set a Granite stone $12 \times 10 \times 8$ ins. 8 ins in the
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face,
dug pits $18 \times 18 \times 12$ ins. E & W. of Stone, $5\frac{1}{2}$ ft
dirt, and raised a mound of earth $1\frac{1}{2}$ ft high,
 $3\frac{1}{2}$ ft base, alongside

79.86. The cor. to Secs. 20, 21, 28 & 29.

Land, level. Good grass.

Soil, 2^d and 3^d rate.

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chain

No timber.

North bet Secs 20 & 21

Var. $12^{\circ}45' E$.

Over level Mesa.

- 40.00. Set a Granite stone $15 \times 6 \times 6$ ins. 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N & S. of Stone, $5\frac{1}{2}$ ft. diam, and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, along side.
- 71.25 Old road course N.W. & S.E.
- 80.00. Set a Granite stone $14 \times 8 \times 6$ ins 10 ins. in the ground, for Cor to Secs. 16. 17. 20 & 21, marked with 3 notches on S. and 4 notches on E. edges; dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. diam, and raised a mound of

Subdivisions, Tp. 19 S. R. 9 E. - continued

Chains

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

Sand, level. Good grass.

Soil, 2^d & 3^d rate

No timber

East on a random line bet Secs 16 & 21.

Var $12^{\circ}45'E$.

Over level Mesa.

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

67.50. Road, course N.W. & S.E.

79.86. Intersect N. & S. line 11 Mts. S of the cor. to

Secs. 15, 16, 21 & 22. Thence, I run

 $S 89^{\circ}55'W$ on a true line, bet Secs. 16 & 21 with

same Var.

39.93. Set a Granite stone $12 \times 10 \times 8$ ins 8 ins in the
ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face

Subdivision, Tp. 19 S. R. 9 E. - Continued

Chains

dug pits 18x18x12 ins E & W. of Stone,
5 1/2 ft. dist; and raised a mound of earth
1 1/2 ft high, 3 1/2 ft base, alongside

79.86. The cor. to Secs. 16, 17, 20 & 21.

Land level. Good grass.

Soil, 2^d and 3^d rate.

No Timber.

North bet Secs. 16 & 17.

Var. 12° 45' E.

Over level Mesa.

31.25 Road from the Humboldt Mining Camp
to Espinosa's & Tucson, course NE & SW.

40.00. Set a Granite stone 12x6x6 ins. 8 ins. in
the ground, for 1/4 Sec. Cor., marked 1/4 on W
face, dug pits 18x18x12 ins. N. & S. of Stone,

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

$5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.

80.00. Set a Granite stone $15 \times 15 \times 4$ ins. 10 ins in the ground, for Cor to Secs. 8, 9, 16 & 17. marked with 4 notches on S. and 4 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.

Land, level. Good grass.

Soil, 2^d rate.

No timber.

East on random line bet Secs 9 & 16

Tap. $12^{\circ}45'$ E.

Over level Mesa.

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

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chain.

- 67-00 Road from the Humboldt Mining Camp to Espinosa's & Tucson, course N. E. & S. W.
- 79-91. Intersect N & S line, at 21 lks S of the cor. to Secs. 9, 10, 15 & 16. Thence, S run $S 89^{\circ} 51' W.$ on a true line bet Secs. 9 & 16 with same Var.
- 39-96. Set a Granite stone, 15 X 8 X 6 ins. 10 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. & W. of Stone, $5\frac{1}{2}$ ft. diam., and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base alongside.
- 79-91. The cor. to Secs. 8, 9, 16 & 17.
Land, level. Good grass.
Soil, 2^d rate
No timber

Subdivisions, Tp 19 S. R. 9 E. - Continued

Name

North, bet. Secs 8 & 9.

Var. $12^{\circ} 45' E$.

Over level Mesa.

- 40.00. Set a Granite stone $12 \times 6 \times 6$ ins. 8 ins in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits $18 \times 18 \times 12$ ins. N. & 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, along side.
- 45.50. Road from Wasson & Brown's ranch to Espinosa's & Tucson, course, N. E. & S. W.
- 76.00. Enter scattering mesquite.
- 80.00. Set a Granite stone $12 \times 10 \times 8$ ins 8 ins in the ground, for Cor. to Secs. 4, 5, 8 & 9, marked with 5 notches on S. and 4 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 feet high $4\frac{1}{2}$ ft. base, along side, from which

Subdivisions T_p 19 S. R. 9 E. - Continued

Chains

A mesquite 6 ins. diam. bears N. 18° E. 258 lks. dist.
marked T. 19 S. R. 9 E. S. 4 B. T.

A mesquite 4 ins. diam. bears N. 21° W. 190 lks.
dist. marked T. 19 S. R. 9 E. S. 5 B. T.

A mesquite 12 ins. diam. bears N. 45° W. 220 lks.
dist. marked T. 19 S. R. 9 E. S. 5 B. T.

A mesquite 8 ins. diam. bears S. 72° E. 371 lks. dist.
marked T. 19 S. R. 9 E. S. 9 B. T.

Land, level. Good grass.

Soil, 2^d rate.

Timber, some scattering mesquite at N. end of line.

East, on a random line bet. Secs. 4 & 9.

Var. 12° 45' E.

Over level Mesa.

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

Subdivisions, T₁₉ S. R. 9 E. - Continued

Chain

- 50.00. Road from Wasson & Brown's ranch to Espinosa's and Tucson, course N70°E & S.W.
- 79.88. Intersect N & S line 19th 1/2 S of the cor to Secs. 3, 4, 9 & 10. Thence run S89°52'W. on a true line bet. Secs 4 & 9 with same Var.
- 39.94. Set a post 3ft long, 3 ins. square, with marked stone, 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor., marked $\frac{1}{4}$ S. on N. face, dug pits 18x18x12 ins E & W. of post, 5 $\frac{1}{2}$ ft dia., and raised a mound of earth 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft base, around post.
- 79.88. The cor. to secs. 4, 5, 8 & 9.
Land, level. Good grass.
Soil, 2^d rate.
Timber, some scattering mesquite at the end of line.

Subdivisions, Tp. 19 S. R. 9 E. - Continued.

Chain.

dist. marked $\frac{1}{4}$ S. B. T.A mesquite 6 ins. diam. bears N. 47° W. 130 Ch.dist. marked $\frac{1}{4}$ S. B. T.

79.88. The cor. to secs. 4, 5, 8 & 9.

Land, level. Good grass.

Soil, 2^d rate

Timber, scattering mesquite and palo verde

September 16th 1886.

From the cor. to secs. 5, 6, 31 & 32, on the South boundary of the Township, which is a Granite stone $16 \times 12 \times 6$ ins. firmly set in the ground, with 5 notches on E and 1 notch on W. edges, and a mound of stone alongside.

From

North, bet. Secs 31 & 32.

Var. $12^{\circ} 45' E$.

Subdivision, T. 19 S. R. 9 E. - Continued

Chamisa

Over level Mesa.

- 5.00. Arroyo 50 lks. wide, course E.
- 40.00. Set a Granite stone 16 x 6 x 6 ins. 12 ins. in the ground, for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N. & 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.
- 79.00 Arroyo 30 lks. wide, course E.
- 80.00. Set a Granite stone 16 x 12 x 6 ins. 11 ins. in the ground, for Cor. to Secs 29. 30. 31. 32, marked with 1 notch on S. and 5 notches on E. edges; dug pits 18 x 18 x 12 ins. in each sec. 5 $\frac{1}{2}$ ft. dist., and raised a mound of earth 2 ft. high, 4 $\frac{1}{2}$ ft. base, alongside. From which
 A mesquite 6 ins. diam. bears N. 62° E. 213 lks. dist. marked T. 19 S. R. 9 E. S. 29. B. J.
 A tesote 12 ins. diam. bears S. 67° E. 170 lks.

Subdivisions, T. 19 S. R. 9 E. - Continued

chains

dist. marked T. 19 S. R. 9 E. S. 32 B. T.

No other trees within limits.

Land, level. Good grass.

Soil, 2^d rate.

Timber, some scattering mesquite

East on a random line bet Secs 29 & 32

Var. $12^{\circ}45' E$.

Over level Mesa.

2.00 Arroyo 30 fms wide, course N. $50^{\circ} E$.18.00 Same Arroyo 30 fms wide, course S. $80^{\circ} E$.40.00 Set temporary $\frac{1}{4}$ Sec. Cor.44.00 Arroyo 25 fms wide, course N. $80^{\circ} E$.

79.96 Intersect N. & S. line at 19 fms S. of the cor. to

Secs. 28, 29, 32 & 33. Thence I run

S. $89^{\circ}52' W$ on a true line bet Secs 29 & 32
with same Var.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chavino

39.98. Set a Granite stone 14 x 12 x 8 ins 10 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 & W. of Stone, 5 $\frac{1}{2}$ feet dist., and raised a mound of earth 1 $\frac{1}{2}$ ft high, 3 $\frac{1}{2}$ ft base, alongside, from which $\frac{1}{4}$ mesquite 12 ins diam. bears S. 83° E. 129 lks. dist. marked $\frac{1}{4}$ S. B. T.

$\frac{1}{4}$ mesquite 8 ins diam. bears S. 70° E. 60 lks. dist. marked $\frac{1}{4}$ S. B. T.

79.96. The cor to secs. 29, 30, 31 & 32.

Land, level. Good grass.

Soil, 2^d rate.

Timber, some scattering mesquite.

West on a random line bet Secs 30 & 31.

Var. 12° 45' E.

80

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains.

Over level mesa.

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

47.50. Road from Otero's ranch to Sacundino's, crosses N.W. & S.E.

80.10. Intersect W. boundary of Township 16 No. N of the cor. to Secs. 25-30-31 & 36, which is a Granite stone $20 \times 10 \times 8$ ins. firmly set in the ground with 1 notch on the S and 5 notches on the N. edge, with pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist., and a mound of earth 2 ft high $4\frac{1}{2}$ ft. base, along side. Thence I run $N. 89^{\circ} 53' E.$ on a true line bet secs 30 & 31, with same Var.

40.10. Set a Granite stone $12 \times 8 \times 6$ ins. - 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & W. of stone, $5\frac{1}{2}$ ft. dist., and raised a mound of earth $1\frac{1}{2}$ ft. high

Subdivisions, Tp 19 S. R. 9 E. - Continued

Chairs

3½ ft base, along side. From which
 # mesquite 6 ins. diam. bears N. 40° W. 160 lks.
 dist. marked ¼ S. B. T.

mesquite 6 ins. diam. bears S. 45° W. 50 lks.
 dist. marked ¼ S. B. T.

80.10. The cor to secs. 29, 30, 31 & 32.

Land, level. Good grass.

Soil, 2^d rate.

Timber, some few mesquite.

North, bet Secs 29 & 30.

Var. 12° 45' E.

Over level Mesa.

40.00. Set a Granite stone 18 x 6 x 6 ins. 12 ins
 in the ground, for ¼ Sec. Cor. marked ¼
 on W. face, dug pits 18 x 18 x 12 ins N. & S.

Subdivisions, Tp. 19 S. R. 9 E. - Continue

Chains

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.

From which

A mesquite 6 ins. diam. bears S. 19° W. 100 lks. dist. marked $\frac{1}{4}$ S. B. T.

No other trees within limits

41.00 Arroyo 20 lks. wide, course E.

69.70 Arroyo 30 lks. wide, course E.

80.00 Set a Granite stone $16 \times 10 \times 10$ ins. 11 ins. in the ground, for Cor to Secs. 19, 20, 29 & 30, marked with 2 notches on S. and 5 notches on E. edges, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ feet dist., and raised a mound of earth 2 ft high, $4\frac{1}{2}$ ft base, alongside.

Land, level. Good grass.

Soil 2^d rate.

Timber, some scattering mesquite.

Subdivision, T₁₉ S. R. 9 E. - Continued

Chains

East, on a random line bet Secs 20 & 29.

Var. $12^{\circ}45' E$.

Over level Mesa.

40.00. Set temporary $\frac{1}{4}$ Sec. Cor.79.94. Intersect N. & S. line at 26 lks S of the cor
to secs. 20, 21, 28 & 29, Thence I run
 $S 89^{\circ}49' W$. on a true line bet Secs 20 & 29
with same Var.39.97. Set a Granite stone, 12 x 8 x 6 ins. 8 ins in the
ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug
pits 18 x 18 x 12 ins. E & 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 along side.

79.94. The cor. to secs. 19, 20, 29, & 30.

Land level. Good grass.

Soil, 2^d rate.

No timber

87

Subdivisions, T₁₉ S. R. 9 E. - Continued

Chains.

West, on a random line bet. Secs 19 & 30.

Var. $12^{\circ}45'E$.

Over level Mesa.

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

65.00. Road from the Humboldt Mining Camp to Espinoza and Tucson, course NE & SW.

74.00. Road from Otero's ranch to Sacundino's.

80.06. Intersect W. boundary of Township at 31 lks N. of the cor. to Secs 19, 24, 25 & 30, which is a Granite stone $12 \times 10 \times 8$ ins. firmly set in the ground, with 2 notches on S. and 4 notches on N. edges, with pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft diam, and a mound of earth 2 ft high, $4\frac{1}{2}$ ft base, along side.

Thence I run

N. $89^{\circ}47'E$ on a true line bet Secs 19 & 30, with same Var.

40.06. Set a Granite stone $16 \times 8 \times 6$ ins 11 ins. in the

Subdivisions, T_p. 19 S. R. 9 E. - Continued

Chains

ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins E & 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, along side

80.06. The cor. to secs. 19. 20. 29 & 30.

Land, level. Good grass.

Soil, 2^d rate.

No timber.

North, bet. Secs. 19 & 20.

Var. 12° 45' E.

Over level Mesa.

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

Subdivision, T₁₉ S. R. 9 E. - Continued

mound of earth $1\frac{1}{2}$ ft high, $3\frac{1}{2}$ ft base, on
post.

48.40 Road from Humboldt Mining Camp to Espinos
and Tucson, course N.E. & S.W.

80.00 Set a Granite stone $18 \times 8 \times 6$ ins 12 ins. in
the ground, for Cor. to Secs. 17, 18, 19 & 20,
marked with 3 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 dia., and raised a mound of earth
 2 ft high, $4\frac{1}{2}$ ft base, along side.

Land, level. Good grass.

Soil, 2nd rate

No Timber.

September 17th 1886.

East, on a random line bet Sec 17 & 20.

Var. $12^{\circ} 45' E$.

Subdivisions, Tp. 19 S. R. 9 E. — Continued

Over level Mesa.

- 36.66. Road from the Humboldt Mfg. Camp to Espinosa
& Tucson, course NE & S.W.
- 40.00. Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.19. Intersect N. N. S. line 31 Mts. S. of the cor.
to secs. 16. 17. 20 & 21. Thence from
S. $89^{\circ} 47' W.$ on a true line bet Secs. 17 & 20.
with same Var.
- 40.10. Set a Granite stone $15 \times 8 \times 6$ ins. 10 ins in
the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N.
face, dug pits $18 \times 18 \times 12$ ins. E & 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.
- 80.19. The cor to secs. 17. 18. 19. & 20.
Land, level. Good grass.
Soil, 2^d rate
No Timber.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

chains.

By observation taken this day, I find the magnetic Var. to be $12^{\circ}44'$ East.

West, on a random line bet Secs 18 & 19.

Var. $12^{\circ}44'$ E.

Over level Mesa.

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

79.98. Intersect N. boundary of Township at 18 lks.

N. of the cor to Secs. 13, 18, ~~19~~ & 24, which is a Granite stone $24 \times 12 \times 12$ ins. firmly set in the ground, and marked with 3 notches on E. and 3 notches on N. edges, with pits $18 \times 18 \times 12$ in each sec. $5\frac{1}{2}$ ft. diam. and mound of earth 2 ft high, $4\frac{1}{2}$ ft base, along side.

Thence I run

N. $89^{\circ}52'$ E. on a true line bet Secs 18 & 19. with same Var.

Subdivisions, Tp. 19 S. R. 9 E. - Continued.

chains

- 39.98. Set a Granite stone 14x8x6 ins 10 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits 18x18x12 ins. E & 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, along side.
- 79.98. The cor. to secs. 17. 18. 19. & 20.
Land, level. Good grass.
Soil, 2^d rate.
No Timber.
- North, bet Secs 17 & 18.
Var. 12° 44' E.
Over level Mesa.
- 33.00 Road, course E & W.
- 40.00. Set a Granite stone 18x10x6 ins 12 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on W.

Subdivisions, Tp. 19 S. R. 9. E. - Continued

Chains.

face, dug pits 18 x 18 x 12 ins N & S. of Stone,
5½ ft dist, and raised a mound of earth 1½ ft
high, 3½ ft base, alongside.

73.50 Road from Wasson & Brown's ranch to Espinosa
and Tucson, course N.E. & S.W.

80.00 Set a Granite stone 16 x 12 x 8 ins 11 ins. in
the ground for Cor. to Secs. 7, 8, 17 & 18, marked
with 4 notches on S and 5 notches on E edge,
dug pits 18 x 18 x 12 ins. in each sec. 5½ ft dist,
and raised a mound of earth 2 ft high,
4½ ft base, alongside.

Land, level. Good grass.

Soil, 2^d rate.

No Timber.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

chains

East on a random line bet Secs 8 & 17.

Var. $12^{\circ}44' E$.

Over level Mesa.

- 8.00. Road from Wasson & Brown's ranch to Espinosa & Tucson, course N.E. & S.W.
- 40.00 Set temporary $\frac{1}{4}$ Sec. Cor.
- 80.12. Intersect N & S. line at 14 lks S. of the cor to Secs 8 & 16 & 17. Thence I run S. $89^{\circ}54' W$ on a true line bet Secs 8 & 17, with same Var.
- 40.06. Set a Granite stone $12 \times 8 \times 6$ ins. 8 ins. in the ground, for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & 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.
- 80.12. The cor to Secs. 7. 8. 17 & 18.
Land, level. Good grass.

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chassis

Soil, 2^d rate.

No timber

West, on a random line bet Secs 7 & 18.

Var. $12^{\circ}44' E.$

Over level Mesa.

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

49.00. Heroy 150 lks wide, course NE.

80.20. Intersect W. boundary of Township at 27 lks. N of the cor to Secs. 7, 12, 13 & 18, which is a Granite stone $20 \times 6 \times 6$ ins. firmly set in the ground, marked with 4 notches on S and 2 notches on N. edges, with pits $18 \times 18 \times 12$ ins in each sec. $5\frac{1}{2}$ ft. dia., and a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base along side, from which a mesquite $\frac{1}{4}$ ins. diam. bears S. 30° W. 140 lks

Subdivisions, T. 19 S. R. 8 E. - Continued

Chamiso

dist marked T. 19 S. R. 8 E. S. 13 B. T.

A mesquite 4 ins. diam. bears S. 15° W. 295 lks.

dist. marked T. 19. S. R. 8 E. S. 13 B. T.

A mesquite 6 ins. diam. bears S. 5° W. 245 lks.

dist. marked T. 19. S. R. 8 E. S. 13 B. T.

No other trees within limits.

Thence I run

N 89° 49' E. on a true line bet. Secs 7 & 18
with same Var.

40.20 Set a Granite stone, 16 x 8 x 6 ins. 11 ins in the
ground for $\frac{1}{4}$ Sec. Cor. marked $\frac{1}{4}$ on N. face,
dug pits 18 x 18 x 12 ins. E & 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

80.20 The cor. to secs. 7. 8. 17 & 18.

Land, level. Good grass.

Soil, 2^d rate.

Subdivision, T. 19 S. R. 9 E. - continues

Timber, some few mesquite on W. end of line.

North, bet. Secs. 7 & 8.

Var. $12^{\circ} 44' E.$

Over level Mesa.

40.00. Set a Granite stone 15 x 16 x 6 ins 10 ins. in the ground, for $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{4}$ on W. face, dug pits 18 x 18 x 12 ins. N & 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.

49.00. Run 20 lks wide, course E.

80.00. Set a post, 4 ft long, 4 ins. square, with marked stone, 12 ins. in the ground for cor to secs. 5, 6, 7 & 8, and, marked

T. 19 S. S. 5 on NE.

R. 9 E. S. 8 on SE.

Subdivisions, Twp. 19 S. R. 9 E. - Continued

Chains

S. 7 on S. W. end.

S. 6 on N. W. face with 5 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. diam., and raised a mound of earth, 2 ft high, $4\frac{1}{2}$ ft base, alongside.

Land, level. Good grass.

Soil, 2^d rate.

No timber

East on a random line bet. Secs 5 & 8
 Var. $12^{\circ}44' E$.

Over level. Mesa.

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

80.06. Intersect N. & S. line 16 lks S. of the cor to Secs. 4, 5, 8 & 9. Thence I run

Subdivisions, Tp. 19 S. R. 9 E. - Continued

Chains

S $89^{\circ} 53' W.$ on a true line bet Secs 5 & 8
with same Var.

40.03. Set a post 3 ft long, 3 ins square, with
marked stone, 12 ins. in the ground for $\frac{1}{4}$ Sec
Cor., marked $\frac{1}{4}$ on N. face; dug pits $18 \times 18 \times$
12 ins. E & W. of post, $5 \frac{1}{2}$ ft dist., and raised
a mound of earth $1 \frac{1}{2}$ ft high, $3 \frac{1}{2}$ ft base,
around post. From which
A mesquite 6 ins. diam. bears N. 168 lbs dist.
marked $\frac{1}{4}$ S. P. T.

No other trees within limits

80.06 The cor. to Secs. 5, 6, 7 & 8.

Land level. Good grass.

Soil, 2^d rate.

Timber, some few mesquite.

Subdivisions, T₁₉ S. R₉ E. - Continues

Chains

West, on a random line, bet Secs. 6 & 7.

Var. $12^{\circ}44'E$.

Over level Mesa.

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

80.00 Intersect West boundary of Township at 16 lks. S. of the cor to Secs. 1, 6, 7 & 12, which is a Granite stone $18 \times 12 \times 6$ ins. firmly set in the ground, marked with 5 notches on S. and 1 notch on N. edges, with pits $18 \times 18 \times 12$ ins. in each sec., $5\frac{1}{2}$ ft dist., and mound of earth 2 ft high, $4\frac{1}{2}$ ft base, alongside.

Thence from

N. $89^{\circ}53'E$ on a true line bet Secs 6 & 7 with same Var.

40.00 Set a Granite Stone $20 \times 8 \times 6$ ins. 15 ins in the ground, for $\frac{1}{4}$ Sec. Cor, marked $\frac{1}{4}$ on N. face, dug pits $18 \times 18 \times 12$ ins. E & W. of

Subdivisions, Tp 19 S. R. 9 E. - continue

Chains.

Stone, $5\frac{1}{2}$ ft. dia., and raised a mound
of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, alongside.

80.09. The cor. to secs. 5-6-7 & 8

Land, level. Good grass.

Soil, 2^d rate.

No Timber.

North, on a random line bet Secs. 5 & 6.

Var. $12^{\circ}44'E$.

Over level Mess.

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

79.70. Intersect N. boundary of Township at
18 Chs. E. of the cor. to Secs. 5-6-31 & 32.

which is a post, 4 ins. square, marked

T. 18 S. S. 32 on NE.

R. 9 E. S. 5 on SE.

Subdivisions, T. 19 S. R. 9 E. - Continued.

chains

T. 19 S. S. 6 on S.W. and
S. 31 on N.W. faces, with 5 notches on E and
1 notch on W. edges, with pits $18 \times 18 \times 12$ ins
in each sec. $5\frac{1}{2}$ ft. dist. and a mound of
earth 2 ft. high. $4\frac{1}{2}$ ft. base, along side.

Thence Iron

S. $0^{\circ} 08' E.$ on a true line bet. Secs 5 & 6
with same Var.

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

From which

A mesquite 8 ins. diam. bears N. $85^{\circ} E.$ 68 $\frac{1}{2}$ ft.
dist. marked $\frac{1}{4} S. B. T.$

Subdivisions, Twp 19 S. R. 9 E. - Continued

A mesquite 8 ins diam. bears S 45° E. 69 lbs
 dist. marked $\frac{1}{4}$ S. B. T.

79.70. The cor. to secs. 5, 6, 7 & 8.

Land, level. Good grass.

Soil, 2^d rate

Timber, some few mesquite, near $\frac{1}{4}$ sec. cor.

September 18th 1886.

General Description

This Township contains a fine body of 1st rate land running through the center of the Township from N to S, which with the aid of water for irrigating would produce large crops. A. Hermine and others have about sixteen hundred acres of this land under a post and 5 wire fence, having located it under the Desert Land Act. I am informed

Subdivisions, Tp 19 S. R 9 E. - continued

that Mr. Hemme intends to conduct water onto this land by means of iron pipes laid from the Arivaca Creek a distance of 10 miles. I saw several wagon-loads of pipe, some on the land ready to be laid and some in wagons en route to the land and consigned to Mr. Hemme.

The balance of the Township especially the westerly portion contains some good farming lands but could not be made to produce paying crops without the aid of water for irrigation.

In Sec. 27, Thomas Taylor has a ranch house, outbuildings and corrals and also a small field in which there is some fine corn growing. This season plenty of rain having fallen insured a good crop to those who risked the planting, - but as a rule the rains in this vicinity can not be depended

Subdivisions Tp. 19 S. R. 9 E - continued

on so as to warrant the planting of any large quantity of land.

Espinosa has a ranch house, outbuildings and corals in Sec 3; he is engaged in stock raising. The house is at the junction of the road from the Humboldt Mining Camp with the main road from Tucson to Altar. Water is obtained from a large Charco or waterhole near the house.

The bottom land is covered with sacaton and the mesa or uplands with black and white grama grasses.

The timber in the Township consists of scattering growth of mesquite.

George Roskruge

U. S. Deputy Surveyor
For final oaths see book No. 15.

OFFICE U. S. Surveyor General,

Tucson, Arizona,

March 27th. 1888.

The foregoing Field Notes of the
surveys of subdivision Lines of
Township 19 South, Range 9 East,
of the Gila and Salt River base and
Meridian Arizona, executed by George J.
Boskrage, U. S. Deputy Surveyor, under his con-
tract of the 5th. of March 1886,
having been critically examined and
the necessary corrections and explana-
tions made, the said Field Notes and
the surveys they describe are hereby
approved.

John Hise
U. S. Surveyor General.