



5

**TOWNSHIP 9 NORTH
SOUTH, RANGE 10 EAST**

Western Boundary.

Commenced at established cor. of Pps 1&2 North, Ranges 9 & 10 East
of Mount Diablo Meridian

and run

North on 1st mile between Recs 31 & 36

Variation of needle $15^{\circ} 28'$ East.

- 00.60 Interest creek or slough, 20 lks, wide runs N.W.
10.30 " branch of same slough runs S.W.
12.18 " same slough runs S.E.
30.40 Lt. bank of same slough 60 lks across runs S.W.
33.20 Rft. " " " 30 " " E.S.E.
33.60 Lt " " " 30 " " West.
40.00 Set 1/4 sec post deposited charcoal & raised mound with pits &
trenches as per instructions
45.00 Rft bank of slough 40 lks across runs East.
52.20 Lt " " " 70 " " S.W.
54.00 Rft. " " " 70 " " E.S.E.
64.00 Small slough 20 " Wide West
80.00 Set mile post cor secs 30, 31 35 & 36 deposited charcoal & raised
mound with pits & trenches as per insts.
Land 2^d rate. Comparatively level on line on either
side of line hilly.

North, on 2^d mile between secs 25 & 30

- 25.10 Interest slough 20 lks wide course W. by S.
40.00 set 1/4 sec post deposited charcoal and raised mound with pits
& trenches as per instructions
52.70 Slough 20 lks wide course S.S.W.
80.00 Set mile post cor secs 24 & 25, 19 & 30 deposited charcoal.

TOWNSHIP 2 NORTH, RANGE 10 EAST

Raised mound with pits & trenches as per instructions
Land 2^d rate undulating

North on 3rd mile between sections 24 & 19

- 40.00 set 1/4 sec stake deposited charcoal & raised mound with pits & trenches as per instructions
80.00 set mile post marked for cor of secs 18, 19, 13 & 24 deposited charcoal & raised mound with pits & trenches as per instructions
Land 3rd rate rolling

North on 4th mile Between Recs 19 & 18

Variation of needle 15° 44' E

- 24.60 Brow of hill
37.00 Foot of hill & edge of bottom.
40.00 Set 1/4 sec post - deposited charcoal & raised mound with pits & trenches as per instructions
42.90 Small plough 10 ltrs wide course N.W.
48.80 " " 10 " " West
80.00 set mile post marked for cor of secs 12, 13, 7 & 18 deposited charcoal & raised mound with pits & trenches as per instructions
good grazing land, Wild oats, no timber

North on 1/5 th mile Between Recs 12 & 7.

- 7.80 Left bank of plough 20 ltrs wide runs W.S.W.
14.30 Right " " " 20 " " S.E.
19.78 Left " same " 20 " " W. by S.
22.50 Right " " " 20 " " S.E.
23.65 Left " bend same plough 20 ltrs Wide runs W.S.W.
24.20 Right " " " " 20 " " East

**NORTH
TOWNSHIP 2 SOUTH, RANGE 10 EAST**

23.00 Left Bank slough 20 ltrs wide runs W. by S.
 26.80 Right " " 20 " " E. by S.
 30.70 Left " " 20 " " W.S. C.W.
 40.00 set 1/4 sec post deposited charcoal & raised mound with pits &
 trenches as per instructions
 48.00 foot of hill. (high)
 55.50 summit of same
 60.00 Foot of same
 68.20 Intersect Rt bank of slough 20 ltrs wide runs E.S.E.
 73.60 " Ld " " 20 " " S.W.
 74.60 " R.d " " 20 " " East.
 76.40 " Lt " " 20 " " W.S.W.
 77.00 " Rd " " 20 " " S.E.
 80.00 set mile post mkd. cor secs 1, 12, 6 & 7. depd charcoal & raised
 mound with pits & trenches as per instructions.
 mostly good bottom land with scattering patches of
 wild oats

North on 6 th mile between Sections 1 & 6
 40.00 set 1/4 sec post depd charcoal & raised mound, with pits
 & trenches as per instructions
 54.00 small arroyo or gully runs West.
 64.60 Brow of gulch
 66.00 arroyo 10 ltrs wide in gulch runs West.
 67.50 Ascend to brow of gulch.
 80.00 set mile post cor of Tp. 2 & 3 N. Range 9 & 10 E. and of secs
 1 & 6, 8 & 36 deposited charcoal. and raised mound. with
 pits & trenches as per instructions.

TOWNSHIP 2 ² NORTH ¹⁰
~~SOUTH~~, RANGE 10 EAST

Northern Boundary of 1-10 & Southern Bdy of 2-10.
 West on random on South boundaries of secs 36, 35, 34 & 33
 32 & 31 from cor of Tps 182 North of Range 10 & 11 E.
 set temp $\frac{1}{2}$ and mile posts at 5 miles & 7 9 lbs & 86 lbs
 intersect West ^{Bdy}, ch. & 82 lbs North of the ^{true} cor. of tps 182 North
 Ranges 9 & 10 E

Hence correction is 30 lbs per mile South

Vav. $15^{\circ} 28'$ East.

✓ commenced at cor of tps 182 N. Ranges 9 & 10 East
 and run.

East on true line on 1st mile

Bet. secs. 6 & 31 Vav $15^{\circ} 28'$ E.

- 39.86 Set '1/4 sec post deposited charcoal & raised mound with pits & trenches as per instructions.
- 60.75 Arroyo 12 lbs wide course W.S.W.
- 77.86 Summit of ridge
- 79.86 set mile post cor of secs 5, 6, 31 & 32 made mound pits & trenches & deposited charcoal
- Land 2^d rate hilly
- East on true line 2^d mile Bet secs 5 & 32
- 26.26 perpendicular rock bluff 12 ft high N.E.S.
- 26.30 R.R. edge slough 20 lbs wide course South
- 40.00 Set '1/4 sec post deposited charcoal & raised mound with pits and trenches as per instructions
- 80.00 set mile post mksd for cor of secs 4, 5, 32 & 33 deposited charcoal raised mound with pits & trenches as per instructions
- Land hilly 2^d rate.

9

TOWNSHIP 2 NORTH SOUTH, RANGE 10 EAST

East on true line on 3^d mile Bet sec 4 & 2 &

135 Slough 15 lks wide course S.E.

40.00 Set 1/4 sec post deposited charcoal & raised mound with pits and trenches, as per instructions

67.80 Slough 20 lks wide course S.S.W.

80.00 Set mile post cor of secs 3, 4, 33 & 34 made mound, pits and trenches & deposited charcoal.

Land 2^d rate hilly

East on 4th mile between sec 3 & 34

20.00 head of small gulch. Course N.E.

40.00 Set 1/4 sec post deposited charcoal & raised mound with pits and trenches, as per instructions

80.00 Set mile post cor of secs 2, 3, 34 & 35 deposited charcoal & raised mound with pits & trenches as per instructions.

Land 2^d rate hilly

East on 5th mile Bet sec 2 & 35

200 Top of bluff perpendicular 10 ft high

400 Slough 40 lks wide course S.E.

20.30 " 1 ch 20 " " S.W.

39.40 Corral fence

40.00 Set 1/4 sec stake in gate way of corral. 4 lks to west of gate post 12 links East gate post

Rhodes house bears S 18° E 2 ch 30 lks dist.

45.50 Road to antelope pass course N.E.

64.00 Slough 10 lks wide course W. S.W.

80.00 Set mile post cor of secs 182, 35 & 36 depd charcoal. and raised mound, pits and trenches as per instructions.

TOWNSHIP 2 NORTH, RANGE 10 EAST

Land undulating 2^d rate.

East on 6th mile Bet secs 1 & 36

40.00 set 1/4 sec post deposited charcoal & raised mound with pits
& trenches as per instruc

80.00 To cor. of Tps 1 & 2 North Range 10 & 11 East of Mt Diablo
Measures Land 1st rate

Wild oats abundant Undulating and hilly

✓ — Eastern Boundary —

commenced at cor of Tps 1 & 2 North Range 10 & 11 East
and run

with variation of needle 14° 21' East

32.00 summit of ridge

40.00 set 1/4 sec post deposited charcoal & made mound pits & trench
as per instructions

47.73 arroyo 12 lks wide course W. by S.

72.20 " 15 " " West

73.75 Wagon road course E & W.

80.00 set mile post cor of secs 25 & 30, 31 & 36 deposited charcoal &
raised mound with pits & trench as per instructions
Land rolling & hilly generally 2^d rate.

North on 2^d mile Bet secs 25 & 30

36.20 Arroyo 22 lks wide course West

40.00 set 1/4 sec post deposited charcoal & raised mound with
pits & trench

78.00 Wagon road course W. S. W.

TOWNSHIP 2 NORTH, RANGE 10 EAST

80.00 Set mile post whid cor of secs 24, 25, 19 & 20 deposited charcoal & raised mound with pits & breach as per instructions
Land rolling Soil 2^d rate.

North on 3^d mile Bet secs 19 & 24
10.00 summit of ridge
28.70 Arroyo 14 lds wide course W.W.
40.00 Set 1/4 sec post deposited charcoal & raised mound with pits & breach as per instructions
Arroyo 10 lds wide course West.
71.76 Creek 175' " " " W. by N.
73.80 Wagon road " E & W.
79.00 Arroyo 24 " " " W.S.W.
80.00 set mile post cor of secs 18, 19, 13 & 24 deposited charcoal & raised mound with pits & breach as per instructions from which

Oaks 15' in dia bears N. 86° 30' E. 71 lds dist

" 12 " " S 4° E 1 ch. "
" 8 " " S 47° W. 81 lds "

Land broken fully 3^d rate Oak timber
Gold mining on creek Found it impossible to extend this line further with accuracy on acct of mountains

Later Survey

Beginning at the established corner to secs 18, 19, 13 & 24

T 2 N. R. 10 & 11 E

The post standing and the witness trees agreed with the description (given) furnished by the surveyor general's office

Vig

An Oak 15 in dia bears N. 86½° E. 71 lds dist

TOWNSHIP 2 NORTH RANCE 10 EAST

an Oak 12 in. dia bears S 4° E 100 lbs dist.

" " 8 " " S 47° W 81 " "

north, on range line bet. secs 13 & 18

4th mile Var. 15° 12' E

40.00 set a post for lot sec 20. from which

an Oak 30 in dia bears N 49 W 250 lbs dist.

" " 15 " " S 57½ E 47 " "

76.00 To a rocky arroyo 12 lbs wide runs W.

80.00 set a post for cor to secs 12, 13, 7 & 18

from which bears

an Oak 18 in dia S 7½ E 57 lbs dist.

" " 20 " " S 60° W 74 " "

A white " 18 " " N 71½ W 100 " "

An Oak 12 " " N 69 3/4 E 110 " "

Land rolling and rare Gambel Oak & pine

North between secs 7 & 12 5th mile

Var 15° 12' East.

40.00 Set w post for 1/4 sec cor from which bears

an Oak 16 in dia S. 60° E 49 lbs dist

A white Oak 18 in dia S 70½ W. 80 " "

57.10 A spring of good water 8 lbs wide runs West.

To top of rocky hill 100 ft high bears N. S.

80.00 Set for cor to secs 1, 6, 7 & 12 a granite stone 30 in. long
12 in wide and 8 in thick from which

A post Oak 18 in dia bears N 41° W 12 lbs dist.

" white " 12 " " " S 74 1/2 E 77 " "

An " 10 " " " N 76° E 90 " "

TOWNSHIP 2 NORTH, RANGE 10 EAST

An Oak 17 in dia bears S $22\frac{1}{2}^{\circ}$ E 62 lbs dist.

Land 2^d rate except last 10 chains which are very stony
and 3^d rate. Timber oak of various kinds and pine.

North between 1 & 6 secs. (6th mile)

Vav. $15^{\circ} 12'$ E.

19.00 Road course E. & W.

40.00 set post for quarter sec cor. built mound with trench &
pits and deposited charcoal as per instructions

80.00 set post corner to secs 1, 6, 31 & 36

Township 2 & 3 North Range 10 & 11 East

from which bears

a pine 33 in dia & $85\frac{1}{2}^{\circ}$ W. 50 lbs dist.

An Oak 20 " " S $72\frac{1}{2}^{\circ}$ W 115 " "

" " 18 " " S 61° E 174 " "

" " 22 " " N. 39° E. 118 " "

Land 2^d rate Timber Oak Pine & Buckley E.

✓ North Boundary T. 2 N. R. 10. East.

East on a true line between the east halves of secs

2 & 35' Vav. $15^{\circ} 13'$ E. 1st mile

23.00 Road course N. & S.

39.83 set post for cor to secs 35, 36, 1 & 2 built mound with trench
from which bears

A White Oak 26 in. dia S $70\frac{1}{2}^{\circ}$ E 14 lbs dist

Land rolling 2^d rate Timber white Oak.

East true line between sections 1 and 36

Vav. $15^{\circ} 13'$ East

TOWNSHIP 2 NORTH RANCE 10 EAST

4000 Set post for quarter section corner from which bears
An Oak 14 in dia S. 60° E 26 the dist

" " 12 " " N 48½° W 32 " "

8000 Go corner to Township 2 N. R. 10 & 11 E.
Land rolling not broken 2^d rate
Timber Oak and pine

Oct 21 1858

The larger portion of Township embraces the low oak
hills adjacent to the San Joaquin plains and is good pasture
land. The N.E. portion is timbered and 2^d rate grazing land.

Later Survey.

Commenced at cor of sec 2 & 3 N. R. 9 & 10 E and run
East on 1st mile Bet secs 6 & 31 Var. of needle 15° 21' E
Wagon road course North.

40.00 Set 1/4 sec post, deposited charcoal & raised mound with pits
& trench.

40.75 Arroyo 21 lks wide course N. by E.

41.75 " 17 " " N. by W.

60.70 " 29 " " North.

80.00 Set mile post cor of secs 5, 6, 31 & 32 raised mound with
pits & trench & deposited charcoal as per instructions
Land rolling & hilly 2^d rate.

East on 2^d mile Bet secs 5 & 32

21.44 Wagon road course N. N. W.

37.50 Touch left bank of creek so the wide course N. N. W.

29.50 Left bank of same creek course N. N. W.

33.00 " " " " " N. N. W.

TOWNSHIP 2 NORTH RANGE 10 EAST

- 40.00 set 1/4 sec post deposited charcoal & raised mound with trench & pits as per instructions
 80.00 set post cor of secs 4, 5, 32 & 33 made mound pits & trenches and deposited charcoal. Land generally hilly. 2^d rate.

East 3^d mile Bet secs 4 & 33

- 2.34 Arroyo 19 lbs wide course N. W.
 31,54 Touch left bank of arroyo at bend
 32,10 Same arroyo 24 lbs wide course N. W.
 34.00 Wagow road course N by W.
 40.00 set 1/4 sec post deposited charcoal & raised mound with pits & trenches as per instructions
 68.00 perpendicular rock bluff 15 ft high N & S.
 70.10 Arroyo 20 lbs wide course N. E.
 80.00 set mile post cor of secs 3, 4, 33 & 34 deposited charcoal & raised mound with pits & trenches as per instructions land rolling hills - Oak timber scattering 3^d rate.

East on 4 th mile bet secs 3 & 34

- 25.10 Rock bluff 8 ft high course N. S.
 40.00 Set 1/4 sec post made mound pits & trenches and deposited charcoal as per instructions
 54.75 Arroyo 20 lbs wide course S. S. W.
 76.64 " 17 " " W of S.
 80.00 set sec post cor of secs 2, 3, 34 & 35 deposited charcoal as per instructions
 land hilly 2^d rate scattering Oak

East on 5 th mile Bet secs 2 & 35.

TOWNSHIP 1 NORTH RANGE 10 EAST

40.00 set 1/4 sec post raised mound pits & trenches & deposited charcoal from which bears

as Oak 18 in diam bears S 4° 30' E 135 like dist

" " 18 " " S 28° 15' E 158 " "

" " 8 " " N. 28° W 37 " "

Mountain out 2^d rate found it impossible to extend line further east on acct of the mountainous nature of the country.

✓ ————— Western Boundary T 1 NR 10 E ————— Apr 19.

commenced in accordance with instructions date April 16th at Nons
P. corner on base line between ranges 9 & 10 East of Mount Diablo M.
and ran

north on 1st mile between secs. 31 & 36

Var 15° 10' E

40.00 set 1/4 sec stake, deposited charcoal and raised mound with pits and trenches as per instructions

69.00 Edge of bottom E. & W.

74.00 left bank of slough 1ch wide course west.

75.00 cross slough and enter Pittiers barley field

80.00 set mile post cor of secs 30, 31, 25 & 36 deposited charcoal & raised mound with pits & trenches as per instrs. This last stake in Pittiers barley field land first rate.

North on 2^d mile between secs 25 & 30

19.00 To ditch fence course E & W. and leave Pittiers field

29.00 Stockton & Sonoma road C. S. E.

40.00 set 1/4 sec stake deposited charcoal & raised a mound with pits & trenches as per instrs

72.50 Intersect left bank of slough 180 lbs wide C. W. S. W.

TOWNSHIP 1 NORTH RANGE 10 EAST

80.00 set mile post mkd for cor of secs 24, 25, 19 & 30 deposited charcoal & raised mound with pits & trenches as per instructions

North on 3rd mile bet secs 24 & 19.

Var 15° 30' E

15.00 Arroyo 10 lks wide at edge of bottom course S.E.

40.00 set 1/4 sec stake, deposited charcoal & raised mound with pits & trench, as per instructions

80.00 set mile post mkd for cor of secs 18, 19, 13 & 24 deposited charcoal & raised mound with pits & trench as per insts.
Hand rolling 3^d rate.

North on 4th mile. Bet secs 13 & 18

39.00 Telegraph line Stockton & Sonora E & W.

40.00 set 1/4 sec stake deposited charcoal & raised a mound with pits and trench, as per insts

40.30 Road from Stockton to Sonora Course East.

79.65 Go plough course West to the wide

80.50 set witness post 150 lks north of true cor mkd. for cor. of secs 12, 13 & 18, deposited charcoal & raised mound with trench & pits, as per instructions
Hand 2^d rate

North on 5th mile between secs 12 & 7.

00.50 Witness post & mound for cor of secs 12, 7, 13 & 18

40.00 set 1/4 sec post deposited charcoal & raised mound with pits & trench as per instructions

80.00 set mile post cor of secs 1, 6, 12 & 7 depd charcoal & raised mound with pits & trench as per insts Hand rolling 2^d rate

TOWNSHIP 1 NORTH RANGE 10 EAST

North over 6th Mile between 1 & 6

- 40.00 set 1/4 sec stake deposited charcoal & raised mound with pits & trenches as per insta
- 80.00 set mile post at 3rd corner mkd for cor of secs 1, 6, 8 & 36
deposited charcoal & raised mound with pits & trenches as per insta. Land 2^d rate mostly hilly

— South Boundary 1 N R. 10 E. —

Basis parallel east of Mt. Diablo

Townships 1 N & 1 S Range 9 E.

6th Mile east

- 80.00 set post cor to townships 1 N and 1 S Ranges 9 & 10 East and make mound 8 feet base & 3 ft high, with ~~with~~ charcoal and marked with red chalk and notched as instructed

T. 1 N. & 1 S. R. 10 East.

1st mile

East

Nav 15° 35' E

- 15.00 To summit of ascent
- 40.00 set 1/2 mile post and raise mound as required
The ground descends to
- 65.50 To dry creek course N.W.
- 67.00 Cross the same
- 80.00 set 1st mile post and raise mound as instructed
1st 55 pds 3^d rate and covered with gravel remainder 1st rate.

East.

2nd mile

- 40.00 set 1/2 mile post and raised mound as required

TOWNSHIP 1 NORTH RANGE 10 EAST

8.00 set 2^d mile post & raise mound as instructed
Good 2^d rate land

3rd mile East

1.00 Descend about 10 feet to a bottom.

4.00 set 1^{1/2} mile post and raise mound as required
This post is about 30 chl S. of Kivers house
Stockton & Donora road

8.00 set 3rd mile post and raise mound as instructed.
2^d rate land.

4th mile East

17.50 Ascend N. point of ridge

36.00 Descend to bottom and then ascend to.

40.00 set 1^{1/2} mile post, and raise mound, as required.

To summit of ridge 45 or 50 feet above plain

8.00 set 4th mile post at foot of ridge with
mound as instructed

Land 2^d rate.

5th mile East

3.50 To creek course E.

4.00 Cross ravine

27.50 To bottom

Ascend.

To summit

To Bottom

40.00 Set 1^{1/2} mile post on N. side of ascent and about 25 chl
S. of Pembertons house on Stockton & Donora road. and
raise mound as required.

44.00 descend to bottom.

TOWNSHIP 1 NORTH RANGE 10 EAST

51.00	To summit of ridge
55.00	commence descent
61.00	To bottom
66.50	To summit
69.50	To bottom
71.00	Ascend
74.00	To summit
80.00	set 5th mile post, on edge of plain and make mound as instructed Land 2nd rate

6th Mile East

35.00	To Stockton & Douora road.
40.00	set $\frac{1}{2}$ mile post on E. edge of road. the cor of which S 87° E and raise mound as required
80.00	To Township corner raise mound 8 feet base 3 ft high with charcoal and marked with red chalk as instar Generally 1st rate land.

Casterio Boundary 1.N.R.10.E.

Commenced at township corner base line established by
R.W. Morris between ranges 10 & 11 East of 1st Meridian
North on 1st mile between secs 31 & 36

Variation of needle $15^{\circ} 12'$ East

10.34	Wire fence course E & W.
37.00	set stake for triangulation at north edge of barley field
37.20	left back of slough one chain wide at foot of perpendicular bluff. Course shown on topography

**SECTIONSHIP 1 NORTH
SOUTH, RANGE 10 EAST**

- 39.10 Top of bluff 70 ft high.
- 39.16 set flag, the distance to which from stake at station 37, obtained by triangulation as follows viz. set transit at flag set 2^d flag S 67° E. 3 chs 43 lks set inst. at 2^d flag from which 1st flag bears N. 67° W. and stake bears S 61° 30' W. Hence, as sin 61° 30' = 2.43 :: 51° 30' = 2.16 difference bet sta 37 & sta. 39.16 -
- 40.00 set 1/4 sec post depd charcoal and raised mound with pits & trench as per inst.
- 80.00 set mile post marked cor. of secs 25, 30, 31 & 36 deposited charcoal & raised mound with pits & trench as per instructions Land 1st & 2^d rate. no timber undulating & hilly

North on 2^d mile Bl. 1 sec 25 & 30

- 36.90 Bearing to Van de Walkers house S 51° E.
- 40.00 set 1/4 sec post deposited charcoal & raised mound with pits & trench as per inst.
- 47.00 Road to Van De Walkers Course ENE.
- 80.00 set mile post for secs 24, 25, 19 & 30 deposited charcoal and raised mound with pits & trench.

Var of needle 14° 35' E

Van De Walkers house S 57° 30' E.

Land hilly 2^d rate.

North 3rd mile Bl. secs 19 & 24.

- 1.60 Slough 30 lks wide Course E. S. E.
- 3.60 Road course S. E.
- 34.54 Slough 15 lks wide Course East.

TOWNSHIP 1 NORTH, RANGE 10 EAST

- 40.00 Set 1/4 sec post deposited charcoal and raised mound with pits & trench as per instructions
- 55.60 Slough 10 lks wide general course S.W.
- 80.00 Set mile post nos 18, 19, 13 & 24 deposited charcoal & raised mound with pits & trench as per insts
Land undulating 2^d rate

North on 4th mile set sec 18 & 18.

- 20.80 Slough 10 lks wide course P.E.
- 40.00 Set 1/4 sec post deposited charcoal & raised mound with pits & trench as per insts

Frown Whirls

Lewis house bears N. 57° 15' E.

- 52.50 Road from Stockton to Sonora course E.
- 72.00 Telegraph line " " " "
- 72.40 Slough 10 lks wide course W.S.W.
- 80.00 Set mile post mkd. for sec 12, 13, 7 & 18 depd charcoal & raised mound with pits & trench as per insts

Frown Whirls

Lewis house bears S 25° E.

Land undulating 2^d rate.

North on 5th mile set sec 7 & 12

- 40.00 Set 1/4 sec post deposited charcoal & raised mound with pits & trench as per instructions
- 51.70 Arroyo 18 lks wide, course West
- 80.00 Set mile post mkd for sec 1, 6, 7 & 12 deposited charcoal & raised mound with pits & trench as per insts

TOWNSHIP 1 NORTH, RANGE 11 EAST

Land rolling 2^d rate

Var 14° 30' E.

North on 6th mile Bet sec 1 & 6

6.45 Arroyo 15' thicks wide course S.S.W.

40.00 set 1/4 sec post deposited charcoal & raised mound with pits & trenches as per instructions

80.00 Set mile post for cor of Sec 1 & 2 North Range is 10 & 11 East deposited charcoal & raised mound with pits & trenches as per instructions

Land rolling & hilly

Dirt 1st & 2^d rate Wild oats

Var 14° 12' E

Later Survey 1st 1/2 of this line see page 25

T. 1 N. R. 11 E

Field notes of the extension of the Mt. Siablo Base
East of Mt Siablo

Commenced on the 5th day of June 1855 from a post set by Col R Morris deputy Surveyor, on the Southern Bdy of T. 1 N. R. 11 E. T. sec 3, 4, 33 & 34

East on Southern Boundary section 34

Var. 14° 20' E.

Road Course E by N.

40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal

52.50 descent

58.00 At foot of descent & cross little dry creek 5' thicks wide

TOWNSHIP I NORTH RANGE EAST

Course S & on gradual ascent
 59.50 road course South
 68.00 A dry creek like wide course SW.
 69.00 Ascend steep hill
 73.00 Top of hill ridge S.W. & descend
 77.00 Foot of hill & ascend
 80.00 Set sec cor post for sec 34 & 35 made mound pits
 trenches & deposited charcoal
 Land rolling Soil 3rd rate

East on Southern Boundary sec 35'

100.0 Enter scattering Oak timber and top of hill
 16.00 Descend ridge (S.W.)
 22.25 Foot of hill and ascend.
 40.00 Set 1/4 sec stake made mound pits trenches & deposited
 charcoal from wheel
 Oak st. 51° 1/2 E. dist 3 chs 62 lbs dia 28 in
 45.00 Top of hill and descend
 50.75 Foot of hill & cross ravine course S.W. and ascend.
 55.00 Large lot of stone boulders
 70.00 Top of hill & on S. slope
 80.00 Set sec cor post for sec 35 & 36 made mound pits
 trenches & deposited charcoal.

From wheel.

An Oak bears S dist 9 lbs dia 26 in.

Marked tree (bearing tree) B.T. & for sec 35 & 36
 scattering Oak timber throughout mile

Soil 3rd rate

TOWNSHIP I NORTH RANGE II EAST

East on Southern Boundary Sec 36

- 8.00 Descend south slope of hill
- 9.00 To foot of hill & cross ravine & ascend a spring of fine water 1 chain N. of line
- 23.50 Top of Southern slope of hill & descend
- 27.50 Foot of hill & on rolling ground
- 40.00 set $\frac{1}{4}$ sec stake made mound pits trenches & deposited charcoal From which
an Oak bears N. $40\frac{3}{4}^{\circ}$ W. list 1ch 25 lbs dia 16 in.
- Marked tree B.T. $\frac{1}{4}$ sec 36 R 11 E. T. 1 N.
- 56.00 Descend gradually
- 66.00 Foot of hill cross ravine course S.E. & ascend S. slope of a ridge
- 68.00 Top of ridge & descend
- 80.00 Set township cor post for T. 1 N. R 11 & 12 E. Secs 31 & 36 made mound pits trenches & deposited charcoal From which
an Oak bears N. $8\frac{3}{4}^{\circ}$ W. list 96 lbs dia 18 in
another .. " N. $33\frac{3}{4}^{\circ}$ E " 82 " .. 18 "
- Land hilly Soil 3rd rate Timber scattering last $\frac{1}{2}$ of this line see Page 26

— South Boundary —

Basis parallel East of Mt Diablo
Township 1 N. & 1 S. Range 11 E.
1st Mile.

Vav. $13^{\circ} 35' E$

East.

TOWNSHIP I NORTH RANCE II EAST

- 35.00 To creek bottom
- 38.00 To creek (dry) course little E. of S.
- 40.00 set $\frac{1}{2}$ mile post on E. side of creek and raise mound as instructed
Witness mound N. $67^{\circ} 55'$ E 50 lbs
- 46.00 Ascend from Bottom to open flat.
- 50.00 set 1st mile post on ground gently rising and made mound as instructed.
Generally good 2nd rate land

2nd Mile East

East

- 37.50 To summit of S point of ridge 45 feet above plain
- 40.00 set $\frac{1}{2}$ mile post on descend with mound as instructed
- 43.00 To bottom and ascend
- 48.00 To summit of ridge
- 50.00 Set 2nd mile post with mound as required
1st 15 lbs 2nd rate remainder 3rd rate.

3rd Mile East

East

Oct 30th 1851

- 40.00 Set $\frac{1}{2}$ mile post and raised mound as instructed
- 50.00 Set 3rd mile post & raised mound as required.
Land 3rd rate

On this line I find my needle affected from some cause unknown and have ranged in the line for the next mile

E

4th Mile E

- 40.00 set $\frac{1}{2}$ mile post and raise mound as instructed

TOWNSHIP I NORTH RANGE 11 EAST

56.00 Descend 25 ft to bottom and cross small creek course S.
 68.00 Cross small dry creek and ascend, 30 feet.
 76.50 Go Valley, and then ascend to
 80.00 Pit 4th mile post and raise mound as instructed
 Deposit a stone equal to 1 cubic foot with 4 notches
 upon W. and 2 upon East side
 Land generally 8^d rate

I am here at the base of the hills which skirt
 the Sierra Nevada Mountains

The course of these hills is South 34° E. and the
 course on North side W. of North.

The Mountains are precipitous and rocky on
 the North and the country very much broken
 up on the South and without timber

I have therefore closed my operations to the east
 at this point

— Eastern Boundary of T. 1.N.R 11 E —

Oct 16th 1858.

Being instructed by the United States Surveyor General's office
 to retain the boundaries of the Rancharia del Rio Estanisloa
 which was reported to be run out line between ranges
 11 & 12 and ranges 12 & 13 East Township 1 north as
 such range lines

Beginning at the post the established lot to
 Township 1 North and also a lot of the North & West
 Boundary of the Rancharia del Rio Estanisloa

The post & witness trees all standing & agree with
 the description furnished me by the office Sig.

TOWNSHIP 1 SOUTH RANGE 10 EAST

an Oak 18in dia bears N. $33\frac{1}{2}$ ° E 82 lks dist.

" 18 " " N $8\frac{3}{4}$ ° W 96 "

Western Boundary T.1.S.RD.10.E.

South on Random Range 9+10 E

set temp sec and $\frac{1}{4}$ sec stake and at 6 miles 4 chs intersect.
H. bdy 1 ch. East of post the correction will therefore
be $3\frac{3}{4}$ lks N. per mile.

South on 1st mile Var. $13^{\circ} 35' E$

44.00 Set $\frac{1}{4}$ sec stake & made Md. pits trenches & deposited charcoal
84.00 set sec cor for secs 1, 6, 7 + 12 made md. pits trenches and
deposited charcoal

Land rolling, soil 3rd rate

South on 2nd mile

40.00 Set $\frac{1}{4}$ sec stake made md. pits trenches and deposited
charcoal 80.00 Set sec cor for secs 7, 12, 13 + 18 Made Md.
pits and trench and deposited charcoal.

Land rolling Soil 3rd rate.

South 3rd mile

40.00 Set $\frac{1}{4}$ sec stake Made Md. pits trenches and depd charcoal.
80.00 set sec cor for secs 13, 18, 19, + 24 Made Md. pits trenches
and depd charcoal.

Land level Soil 3rd rate.

South on 4th mile

40.00 Set $\frac{1}{4}$ sec stake made Md. pits trenches & depd charcoal.

TOWNSHIP: 1 SOUTH RANGE 10 EAST

56.00 Trail course E. & W.
80.00 set sec cor for secs 19, 24, 25 & 30 made Md. pits trenches & depd charcoal. Land little rolling Soil 3rd Rate

South on 5th mile

39.00 Creek 1/2 lbs wide course N. W.
40.00 Set 1/4 sec stake made mound pits trenches & depd charcoal.
80.00 set sec cor for secs 25, 30, 31 & 36 made Md. pits trenches and depd charcoal. as required per instructions Land level soil 3rd rate

South on 6th mile

24.00 Go road (leading from Stockton to Mariposa by Heath & Emery's) Ferry on the Stanislaus, Course N.W. & S.E.
40.00 Set 1/4 sec stake made Md. pits trenches and depd charcoal.
80.00 Go G.P. post.

South Bdy T/S.R. 10E

West on Random Var. 15° 30' E.

West on Random N. Bdy of secs 31, 32, 33, 34, 35, 36 ^{transposed from N. off S.R. 10E.} set 1/4 mile & 1/2 mile posts and intersected West Bdy of Dp. at 6 miles 1 chain & 1 ch 56 lbs north of post therefore the correction will be 26 lbs S. per mile.

East on true line Var 15° 30' E.

On 1st Mile on N. Bdy of sec 9 set gr. sec stake ^{1/4 action} made mound pits trenches & deposited charcoal.

TOWNSHIP 1 SOUTH RANGE 10 EAST

81.00 set sec cor for secs 5, 6, 31 & 32 made mound pits trenches
and deposited charcoal
land level Soil 3rd rate.

East on 2nd mile on N. Bdy of S.s.

20.80 Road course S.E.

40.00 Set gr. sec stake made mound pits trenches & deposited
charcoal

46.50 Road course S.E.

50.00 set sec cor for secs 4, 5, 32 & 33 Made mound pits trenches
and deposited charcoal.

Land level Soil 3rd rate.

East on 3rd mile on W. Bdy of Dec 4.

57.5 Mariposa road course N.W.

40.00 set gr. sec stake made mound pits trenches & depd charcoal.

80.00 Set sec cor for secs 3, 4, 33 & 34 made mound pits trenches and
deposited charcoal

Land level Soil 3rd rate.

East on 4th Mile on W. Bdy of Dec 3.

40.00 Set gr. sec stake made mound pits trenches and deposited
charcoal.

80.00 Set sec cor for secs 2, 3, 34 & 35 made mound pits trenches
and depd. charcoal

Land level 3rd rate.

TOWNSHIP 1 SOUTH, RANGE 10 EAST

East on 5th mile on N. Bdy of S. 2.

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal.
80.00 Set sec cor for secs 1, 3, 5 & 6 made mound pits trenches and deposited charcoal.

Land level Soil 3rd rate

East on 6th Mile N. Bdy of sec 1

- 40.00 set gr sec stake made mound pits trenches & depd. charcoal.
80.00 To Township post Land level Soil 3rd rate.

Eastern Boundary

North on Random Var 16° 00' East on east Bdy of secs
36, 25, 24 & 13 - 12 + 1 set 1/2 mile & 1/2 mile posts and at 6 mi.
3 chl 36 lks I intersect North Bdy of Tp. & chl 20 lks east of
post & the correction will be 36 2/3 lks west per mile

South on true line Var 16° 15' East

Bw 1st mile

- 18.36 Road leading to Ponora course W. by E.
43.36 set gr sec stake made mound pits trenches & depd charcoal.
83.36 set sec cor for secs 1, 6, 7 & 12 made mound pits trenches and deposited charcoal.

Land rolling Soil 3rd rate

South on 2^d Mile

- 40.00 Set gr. sec stake made mound pits trenches & depd charcoal
80.00 Set sec cor for secs 7, 12, 13 & 18 made mound pits trenches and deposited charcoal

Land rolling Soil 3rd rate

TOWNSHIP 1 SECTION 10 EAST
EAST SOUTH RANGE TOWNSHIP

South on 3rd mile

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
 80.00 set sec cor for sec 10, 18, 19 & 24 made mound pits trenches and deposited charcoal
 Hand rolling Soil 3rd rate

South on 4th mile

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
 80.00 set sec cor for sec 19, 24, 25 & 30 made mound pits and trenches & deposited charcoal.
 Hand rolling Soil 3rd rate.

South on 5th mile

- 40.00 set gr sec stake made mound pits trenches & depd charcoal
 80.00 set sec cor for sec 25, 30, 31 & 36 made mound pits trenches and deposited charcoal
 Hand rolling Soil 3rd rate.

South on 6th mile

- 40.00 set gr sec stake made mound pits trenches and deposited charcoal
 80.00 To township post
 Hand rolling Soil 3rd rate.

TOWNSHIP 2 SOUTH, RANGE 11 EAST

North Bdy T 2 S R 11 E. & S. Bdy T 3 S R 11 E.

West on random Var $15^{\circ} 30'$ East. on north boundary of secs 1, 2, 3, 4, 5, 6. set temporary mile & $\frac{1}{2}$ mile posts and a one mile 2 chs set temp m. post on left Bk of Staw river set flag on opposite side of river & ran w/ base line from temp M. post at right angles 2 chs and found flag on opposite side of river to bear 45° therefore distance from Temp M. P. to flag equals Base 2 chs, at one mile & 2 8 chs set temp M. P. on right Bk. of Staw River. & 6 miles 6 chs 7 5 chs intersect Western boundary of Tp. & 1 ch. S of post set for T 1 1/2 S R 10 1/2 E. secs 1, 6, 31 & 36 the corrections, therefore will be $16 \frac{2}{3}$ per mile North.

— *Western Bdy of Tp. 2 S R 11 E.* —

East true line Var $15^{\circ} 30'$ E

On 1st mile

- 46.75 set gr. sec stake made mound pits trenches & deposited charcoal.
86.75 set sec post for secs 5, 6, 31 & 32 made mound pits trenches & deposited charcoal, as required for instructional
land level soil 3rd rate

East on 2d Mile

- 16.35 Trail course H.T.S.
40.00 Set gr. sec stake made mound pits trenches & deposited charcoal
80.00 set sec post for secs 4, 5, 32 & 38 made mound pits trenches & deposited charcoal.
Land rolling soil 3rd rate.

TOWNSHIP 2 SOUTH, RANGE 11 EAST

East on 3rd mile

- 11.00 Road course N.E.
 13.80 " " N.E.
 22.50 Enter barley field course N.S.
 40.00 set gr sec stake made mound pits trenches & deposited charcoal.
 49.00 leave barley field course N.S.
 63.30 Road course N.S.
 80.00 set sec post for secs 3, 4, 33 & 34 Made mound pits trench
 & deposited charcoal
 Land rolling Soil 3rd rate.

East on 4th mile

- 40.00 set 1/4 sec stake made mound pits & trench & deposited
 charcoal
 80.00 set sec post for secs 2, 3, 34 & 35, made mound pits, trenches
 and deposited charcoal
 Land rolling Soil 3rd rate.

East on 5th mile

- 18.00 Enter timber
 40.00 Set gr. sec stake made mound pits trench & depd charcoal.
 from which an Oak bears N. 89 $\frac{1}{2}$ ° W. dist 45 ft dia 30 in.
 52.00 Set M.R. on right bank of Paw. River made mound pits
 & deposited charcoal. from which an
 Oak bears S 88 $\frac{3}{4}$ ° E. dist 57 ft dia 18 in aged tree B.T.M.P.
 T.D.S.R. 11 E.
 57.00 Set M.R. on left bk of River made mound pits & trenches
 & deposited charcoal. course of river S.W.
 71.00 Road course S.W.

TOWNSHIP 2 SOUTH, RANGE 11 EAST

8.00 set sec post for secs 1, 2, 3 & 36 made mound pits trenches & deposited charcoal.

Land rolling Soil 3rd rate.

East on 6th mile.

3.00 commence ascent

Top of bluff

Set gr. sec. stake made mound pits trenches & deposited charcoal.

8.00 Go Township post set for T 18 S. R 11 E.

Land rolling Soil 3rd rate.

Eastern Boundary T 15 - R 11 E

Var. 15° 00' East

North On East Boundary of Sec. 36

4.00 Set gr. sec. stake made mid. pits trenches and deposited charcoal

8.00 Set sec. post on left bank of Stanislaus river made mound pits trenches and deposited charcoal as per instructions; From which a stump 12 feet high bears S. 45° E. dist 5 lks.

Land rolling; Soil 3rd rate.

North on East Boundary of Sec. 25

4.00 Across Stanislaus river course W. by S. set M. P. made mound pits trenches and deposited charcoal

5.10 cross fence and enter corral W.

6.25 leave same course W.

6.60 Road course W.

TOWNSHIP 1 SOUTH, RANGE 11 EAST

- 10.00 Road course N.W.
- 11.20 Fence and enter field, fence W.
- 18.00 Fence and leave field, fence W.
- 40.00 Set gr. sec. stake made mid. pits trenches and deposited charcoal, From which an Oak 30 in. dia. bears S. 2 $\frac{1}{2}$ $^{\circ}$ E. dist. 39 ls.
- 70.25 To Dry creek 20 ls. wide course N.W.
- 76.00 Cross a Dry creek 20 ls. wide course W.
- 80.00 Set sec. cor. post for secs. 19, 24, 25 & 30 made mid. pits trenches and deposited charcoal; Land rolling, Soil 3rd rate
North on East Boundary of Sec. 24
- 28.00 Cross Sonora 3rd Stockton road course E. & W.
- 40.00 Set gr. sec. stake made mid. pits trenches and deposited charcoal.
- 80.00 Set sec. cor. post for secs. 13, 18, 19 & 24 made mid. pits trenches & dep'td. charcoal as per instructions.
 Land rolling; Soil 3rd rate
North on East Boundary of Sec. 13
- 12.00 Enter timber E. & W.
- 14.20 Cross road course W.
- 23.50 Cross cr. 2 chs. 60 ls. wide cours S.W. and leave timber
- 40.00 Set gr. Sec. stake made mound pits trenches and dep'td. charcoal, From which a house bears S. 56 $\frac{1}{2}$ $^{\circ}$ W.
- 80.00 Set sec. cor. post for secs. 7, 12, 13 & 18 made mid. pits trenches and dep'td. charcoal as per instructions, From which a house bears S. 35 $\frac{1}{4}$ $^{\circ}$ W.; Land rolling hills, Soil 3rd rate.
North on East Boundary of Sec. 12
- 40.00 Set gr. Sec. stake made mid. pits trenches and dep'td. charcoal

TOWNSHIP 1 SOUTH, RANGE 11 EAST

58.75	Cross road course S.W.
70.00	Enter timber course N.W.
00.00	Set sec. cor. post for secs. 1, 6, 11 & 12 made mid. pits trenches and dep'td. charcoal. From which an Oak 24 in. dia. bears N. 22 $\frac{1}{2}$ W. dist. 27 lbs. Land rolling, Soil 3 rd rate
	North on East Boundary of Sec. 1
40.00	Set gr. sec. stake made mid. pits, trenches and dep'td. charcoal
85.00	Intersect Base line 15 chs. 70 ls. East of post, set post for T. 1 S. R. 11 & 12 E. secs. 1 & 6 made mid. pits, trenches & deposited charcoal as per instructions. Land Rough & hilly, Soil 3 rd rate; completed Feb. 28 th 1856

This township has several fine valleys in it which are mostly taken up by settlers, there is a small portion of Mining Land on the Stanislaus River, which however is limited to the River Banks, a Spanish Grant lately confirmed by the U.S. Board of Land Commissioners for California which claim does not extend back far from the River as per confirmation. The remainder of the Township is good grazing land.

A. W. Von Schmidt - - - Deft. Sur.

P. J. Herwoody - - - - - Compassman

Contract with John C. Hays dated Dec. 30th 1854

TOWNSHIP 2 SOUTH, RANGE 12 EAST

— North Bdy of Twp. 2 S.R. 12 E & S. Bdy of T 1 E R 12 E. —

West on random Var. 15° 40' E.

on north bdy of sect 1, 2, 3, 4, 5 & 6 set lump mile and $\frac{1}{2}$ mile posts and intersect Western Bdy of Township 6 mi 10 lbs, and 3 chs 50 lbs south of post Therefore the correction will be 58 $\frac{1}{3}$ lbs North per mile

East on true line

On 1st mile

- 40.10 ^{qu} Set sec stake made mound pits trenches and deposited charcoal.
- 80.10 Set sec post for secs 5, 6, 8 & 32 made mound pits trenches and deposited charcoal.

Land rolling Soil 3rd rate.

East on 2d mile

- 40.00 Set sec post stake made mound pits trenches & deposited charcoal.

Land Rolling Soil 3rd rate

East on 3rd mile

12.00 Trail course N.W.

- 40.00 Set sec post stake made mound pits trenches & deposited charcoal

46.50 Trail course N.W.

50.00 Ascend hill

60.00 Set ~~sec post~~ Top of hill on rolling land.

80.00 Set sec post for secs 3, 4, 33 & 34 made mound pits

TOWNSHIP 2 SOUTH, RANGE 12 EAST

trenches & deposited charcoal.

Land rolling soil 3rd rate

East on 4th mile

40.00 Set gr sec stake made mound pits & trenches & deposited charcoal

80.00 Set sec post for secs 2, 3, 34 & 35 made mound pits trenches and deposited charcoal.

Land rolling soil 3rd rate.

East on 5th mile

40.00 Set 1/4 sec stake made mound pits trench & depd charcoal

50.00 Enter timbered hills

Trail course S. by E.

80.00 Set sec post for secs 1, 2, 35 & 36 made mound pits trenches & deposited charcoal.

Land Broken & Rocky Soil 3rd rate.

East on 6th Mile

40.00 Set gr sec stake made mound pits trenches & deposited charcoal.

80.00 P. G. P. post

Land Rough & Rocky Soil No account on for grazing purposes.

TOWNSHIP 2 SOUTH, RANGE 8 EAST

— West Boundary T 2 S R 8 E —

Commenced at township post set for T. 2 S R 8 E.

Var. $15^{\circ} 42' E.$

North on Western Boundary of sec 31.

4000 set 1/4 sec stake Made mound pits trench & deposited charcoal
 6000 set meander post near left Bank of Stan. River Course
 SW. Made mound pits trenches and deposited charcoal.
 Some fine Oak, timber above and below line I found the
 water high in the river and the undergrowth thick
 which was also in the water I returned to 1/4 sec. stake
 and offset West in T. 2 S. R 8 E.

From 1/4 sec stake between secs 31 & 36

West on 1/4 sec line in sec 36.

Thence - South.

100 Go large Oak tree stands 1ch south of a slough.
 Set flag on top of tree for Inauguration crossed
 the river got on line with flag being due North. Thence
 ran a base line West 23 chs From which flag bore $61^{\circ} 15'$
 sin $28^{\circ} 45'$ 9.682135

" $61^{\circ} 15'$ 9.942864

Log.	33.00	<u>1.361728</u>
		<u>11.304592</u>
		<u>9.682135</u>

41 chs 92 lns = 1.622457

South

0.92 To sec line bet secs 25 & 36

Thence

On sec line Between secs 25 & 36

10.62 Set sec cor post on township line Between Range

TOWNSHIP 2 SOUTH, RANGE 8 EAST

7 & 8 East marked post for secs 25, 30, 31 & 36 made mound pits & trenches & deposited charcoal as required per instructions from which

An Oak tree bears S. $15^{\circ} 45' W$ 43 lbs dia 26 in marked tree for T 2 S. R 7 E. Sec 36. This post is set near the right bank of the Stanislaus River and is set also for Meander post.

— S. Bdy T 2 S. R. 8 E. —

Began at township cor post for T. 2 S. R. 7 & 8 E. (post ad. trenches and charcoal as required per inst.) and run East on random

V.W. $15^{\circ} 45' E.$

on Southern Bdy of secs 31, 32, 33, 34, 35 & 36 set half mile and half mile posts and at 6 miles & 50 lbs intersect Eastern Bdy. of Pp. at post set for Tps. 2 & 3 S ranges 8 & 9 E. The correction will therefore be 50 lbs East per mile

West on true line on O. Bdy of sec 36.

4000 set 1/4 sec stake made mound pits trenches & deposited charcoal

8000 set sec cor post for secs 1, 2, 3 & 36 made mound pits trenches and deposited charcoal as required per inst
Land level Soil 3rd rate.

West on S. Bdy of sec 35

4000 set 1/4 sec stake made mound pits trenches and deposited charcoal.

TOWNSHIP 2 SOUTH, RANGE 8 EAST

- 80.00 Set sec corner post for secs 2, 3, 34 & 35 made mound pits trenches and deposited charcoal as required per instructions
 Land level Soil 3rd rate.
- West on South Bdy. of sec 34
- 40.00 set 1/4 sec stake made mound pits trenches and deposited charcoal.
- 80.00 Set sec cor post for secs 3, 4, 33, & 34 made mound pits trenches & deposited charcoal as required per insts.
 Land level Soil 3rd rate.
- West on south Bdy of (sec 3) sec 33
- 40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal.
- 80.00 Set sec cor post for secs 4, 5, 32 & 33 made mound trenches & pits and deposited charcoal as required per instructions
 Land level Soil same as last mile.
- West on south Bdy of secs 2.
- 40.00 Set 1/4 sec stake made mound pits trenches & deposited charcoal
- 80.00 Set sec cor post for secs 5, 6, 31 & 32 made mound pits & trenches and deposited charcoal as per instructions
 Land level Soil 3rd rate.

TOWNSHIP 2 SOUTH, RANGE 8 EAST

West on South Boundary of sec 31

40.00 set 1/4 sec stake made mound pits trenches & depd charcoal.

80.50 To Township post set for T 2 S R 8 E.
sects 1, 6, 31 & 36

Land last 6 miles on level no timber
Some fine grass.

~~Eastern Bdy of T 2 S R 8 E.~~

Surveyed by A.W. Von Schmidt

Commenced at township post set for T 2 S R 8 E.
post in mound with pits, trenches & deposited charcoal. as per inst.

Miles 1, 2 are not copied but line is taken up on 3rd mile before entering Stan Co.

South on 3rd mile

40.00 set 1/4 sec stake made mound pits trenches & depd charcoal. as per instructions

Land level Soil sand. Some timber.

80.00 set sec post for secs 1, 3, 18, 19 & 24 made mound pits trenches and deposited charcoal. as per inst.

South on 4th Mile

16.00 Road course Road E & W. and enter Bottom land
Cross fence and in field.

TOWNSHIP 2 SOUTH, RANGE 8 EAST

- 40.00 Set 1/4 sec post made mound pits trenches & depd charcoal
- 58.00 Leave field and enter low overflowed land covered with thick undergrowth of willows and brars
- 68.00 Go bank of River Stanislaus
- 75.00 To point of crossing
- 77.70 Across River cross a little S. of W.
- 80.00 set sec post for secs 19, 24, 25 + 30 Made mound pits trenches and deposited charcoal as per insts. Land near Banks of River Well timbered
Soil 1st Rate.

South on 5th Mile

- 15.00 Go road course E & W.
- 28.00 Leave timber for the plains
- 40.00 Set 1/4 sec post made mound pits trenches and deposited charcoal.
- 80.00 set sec post for secs 25, 30, 31 + 36 made mound pits trenches & deposited charcoal as per insts
land level Soil poor.

South on 6th Mile

- 40.00 set 1/4 sec post made mound pits trenches & deposited charcoal as per insts.
- 80.00 set 1/4 post for T 2 + 3 S.R. 8 + 9 E Recs 1, 6, 31 + 36 Made mound pits trenches & depd charcoal as per instructions
No bearing to be had.

TOWNSHIP 2 SOUTH, RANGE 9 EAST

South Bdy & Cr. Bdy. of T 2 S R 9 E.

West Random on N. Bdy of secs 1, 2, 3, 4, 5 & 6 - S. Bdy 31, 32, 33, 34, 35³⁶
set temp mile & 1/2 mile posts and at 6 miles 3 chs & 10 lbs
Intersect W. B. of Tp. 4 chs south of post set for Tp 2 S R.
8 & 9 E. and for secs 1, 6, 31 & 36.

The correction will therefore be 66% less per mile N.
East on True line

Vari 15° 30' E

On 1st Mile.

40.10 set 1/4 sec stake made mound pits & trenches & deposited charcoal.

83.10 set sec post for secs 5, 6, 31 & 32 made mound pits and trenches & deposited charcoal as per instructions
Land level Soil 3rd rate

East on 2d mile

40.00 set 1/4 sec stake made mound pits trenches and deposited charcoal.

59.00 Road course N.

80.00 set sec post for cor to secs 4, 5, 32, & 33 made mound pits & trenches & deposited charcoal as per instructions
Land level Soil 3rd rate.

East on 3d mile

40.00 set 1/4 sec stake made mound pits trenches and deposited charcoal

80.00 set sec post for secs 3, 4, 33 & 34 made mound pits & trenches & deposited charcoal as per instructions
Land level Soil 3rd rate.

TOWNSHIP 2 SOUTH, RANGE 9 EAST

East on 4th mile

- 4000 Set $\frac{1}{4}$ sec stake made mound pits & trenches & deposited charcoal
 6300 Enter timber (scattering)
 8000 set sec post for cor to secs 2, 3, 34 & 35' made mound pits
 trenches & deposited charcoal as per instructions
 Land level Soil 3rd rate Little timber on last 13 chs.

East on 5th mile

- 4000 Set sec post for ~~secs 1, 2, 35~~ $\frac{1}{4}$ sec stake made mound pits
 trenches & deposited charcoal
 8000 set sec post for secs 1, 2, 35 & 36 made mound pits & trenches
 & deposited charcoal.
 Land level Soil 3rd rate some scattering Oak timber

East on 6th mile

- 4000 Set $\frac{1}{4}$ sec stake made mound pits trenches & deposited charcoal
 6500 Leave timber
 8000 T. P. post set for Twp 27 S Rg 9 & 10 E. Secs 1, 6, 31 & 36
 Land level Soil 3rd rate with some timber on last mile

E. Bdy T. 2 S. R. 9 E.

Begin at the cor to Twp 27 S. R. 9 & 10 East and run

North on 1st mile

Var $15^{\circ} 30'$ E.

- 3000 Leave scattering timber for plains
 4000 Set $\frac{1}{4}$ sec stake made mound pits trenches & deposited charcoal.
 8000 set sec post for secs 25, 30, 31, & 36 made mound pits trenches

TOWNSHIP 2 SOUTH, RANGE 9 EAST

and deposited charcoal as required per instructions
land level soil & rate

North on 2^d mile

22.00 Enter scattering Oak timber

40.00 set quarter section stake made mound pits trenches & depd
charcoal from which bears an

Bark 24 in dia 4.61^{1/2} in 1 ch 62 lbs dist

63.20 Road course S of W.

63.70 " " W.

64.75 " " S of W.

65.00 set meander post on the left Bank of Stanslaus River made
mound pits trenches and deposited charcoal set flag at
M. P. crossed the river, got on line with flag & ran a base
line West at right angles 7 chs 77 lbs and found angle
on flag to be 70° 35'

sin 19° 35' = 9.521707

sin 70° 35' = 9.974570

log 7 chs 77 lbs $\frac{0.890421}{0.864991}$
22 chs 4 lbs = 1.348284

making the distance from flag to point of triangulation
22 chs 4 lbs. and from cor of sec 25. 30. 31 & 36

87 chs 4 lbs three

South on true line

6.58 set witness post for sections 19. 24. 25 & 30 being 46 lbs north of
true sec cor. this post is also set for Meander post
made the necessary mound pits trenches &c. the course
of river West.

TOWNSHIP 2 SOUTH, RANGE 9 EAST

North from true section corner 19, 24, 25 & 30 on
3rd Mile

- 22.00 To bank of Stanslaw's pit meander post made mound pits
trenches & deposited charcoal. The river making an
elbow at this point and the line running in river I
was necessarily compelled to offset West.
- 25.00 Thence north
- 58.00 Thence East on section line between sections 13 & 24
- 22.50 To Edge of slough and over flowed land set witness post for
sections 13, 18, 19 & 24 made mound pits, trenches & depd charcoal
said post and mound is set 2 chs & 50 lbs west of true sec. cor. It
is also set for meander post from which bears
Av Oak 37 in dia S 70 $\frac{1}{2}$ ° E 23 lbs dist. marked tree B.T.
T2S R9E sec 24 The true line still being in the course
of the river I offset west
- West from true pos
- 20.00 Thence North
- 7.80 Descend bluff & cross ditch, course N.W. & N.
- 8.80 Foot of descent, and on bottom land fine timber, Soil, peat soil
- 14.20 A plough
- 15.60 Across same course E & W. Field plained by G. Goodhart.
- 25.80 Same plough
- 28.00 Across same course N.E.
- 50.00 Thence east returned to P line
- 20.00 Thence South
- 10.00 set 1/4 sec stake ~~marked~~ on P line made mound pits
trenches & deposited charcoal from which bears
Av Oak 35 in dia N 44 $\frac{1}{2}$ ° E 1 ch 2 lbs dist this stake
is set as a meander stake also on Right Bank of Stanslaw

TOWNSHIP 2 SOUTH, RANGE 9 EAST

thence

north on Township line Between secs 13 & 18

11.00 Leave field & cross ditch course N.W.

11.50 Enter another field

35.00 Cross ditch & leave field course of ditch W. and ascend from river bottom

36.00 Top of ascent and on plains.

40.00 set —^{sec} stake for secs 7, 12, 13 & 18 made mound pits trenches & deposited charcoal from which bears

an Oak 24 in dia. N. 22° 34' E. 44 lbs dirt marked tree

B.T. R. 10. E. T 2S sec 7.

Another Oak 20 in dia S 42° 45' W 56 lbs dirt marked tree

B 9 E T 2S sec. 13 Timber - scattering Soil in Bottom 1st rate
on plains 3rd rate.

North on 5th mile

17.00 Road leading from Stockton to I. plks Ferry course S.E. & N.W.

40.00 Set quarter section stake made mound, pits, pits, trenches and deposited charcoal as required per instructions

Land level Soil good rate Leave scattering Oak timber for the plains

North on 6th mile

40.00 Set 1/4 sec stake made mound pits trenches and deposited charcoal

56.00 Road leading from French Camp. to Heath & Emery's Ferry on the Stanislaus, Course E & W.

66.50 Another road from & to the same place Course E & W

TOWNSHIP 3 SOUTH, RANGE 10 EAST

8000 Set township post, made mound pits, trenches & deposited charcoal marked post for 1/4 sec. post 7 1/2 S Rds 9 & 10 E. Secs 1, 6, 31, 36.
Land Level Soil sand & Gravel.

N.B. T.3.S. R.10.E.

Began at the established cor to Townships 2 & 3 South Range Es 10 & 11 E
With mound & pits as per instructions and ran on the N.
Bdy of Section 1, 2, 3 & 4 of Range 10 East $\frac{9}{16}$ S

Var. 15° 30' E.

setting Peup Mile & half mile posts and intersecting the Western
Bdy 1/10 lbs North and 6 miles or about 70 lbs West. Therefore
the correction would be 18 lbs few miles South.

First Mile

On N. Bdy of section 1

4000 Established 1/4 sec. post with mound pits & trenches and
deposited charcoal post marked 1/4 South.

8000 Established Mile posts with mound pits & trenches & deposited
charcoal Third rate level Valley land.

Second Mile

On N. Bdy of Sec. 2

4000 Established 1/4 sec post with mound pits & trenches & depd
charcoal post marked 1/4 South

8000 Established ~~1/4 sec.~~^{1/4 sec.} post with mound pits & trenches
deposited charcoal
Third rate level valley land

Third Mile

On north Boundary of Section 3.

TOWNSHIP 3 SOUTH, RANGE 10 EAST

- 19.00 Cross road S.W. & S.E.
- 40.00 Established 1/4 sec post with mound pits & trench deposited charcoal and set a post marked 1/4 S.
- 80.00 Established mile posts with mound pits trench and depd charcoal. Third rate level Valley land.

Fourth Mile.

On North Bdy of Section 4

- 40.00 Established 1/4 section post with mound pits trenches depd charcoal & set a post marked 1/4 S.
- 80.00 Established mile post with mound pits trench and depd charcoal
Third rate level Valley or prairie land.

Fifth Mile

On North Bdy of sec 5

- 40.00 Established 1/4 section post with mound pits & trench, depd charcoal and set post marked (1/4 S.
- 80.00 Established mile post with mound pits & trench & depd charcoal
(land.) Third rate level valley or prairie land.

Sixth mile

- 40.00 Established Quarter section post with mound pits & trench depd charcoal and set post marked 1/4 S.
- 81.70 To post previously established
Third rate level valley or prairie land.

TOWNSHIP 2 SOUTH, RANGE 10 EAST.

North on 1st mile (T. 2 S. R. 10 E.) E. Bay.

Var. $15^{\circ} 30' E$

On eastern Bdy of sec 36.

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal.
80.00 Set sec cor for secs 25, 30, 31 & 36 made mound pits trenches & depd charcoal

Land little rolling Soil 2^d rate

North on 2^d mile, onw E. Bdy sec 25'

- 40.00 Set gr sec stake made mound pits trenches & depd charcoal.

57.25 Road Course R.E.

69.90 " " "

- 80.00 Set sec cor for secs 19, 24, 25 & 30 made mound pits trenches and deposited charcoal.

Land rolling Soil 2^d rate

North on 3rd mile Var $15^{\circ} 30' E$

On East Bdy. of sec 24

9.00 Road course R.E.

- 40.00 Set gr sec stake made mound pits trenches & depd charcoal.

50.00 Outer timber bears of E.W.

- 80.00 Set sec cor for secs 13, 18, 19 & 24 made mound pits trenches & deposited charcoal from which bears S. 65° 47' E. dist. 14 lks dia 12" Marked tree B.T. sec 19 An other Oak bears S. 74° 44' W dist. 2 chs 28 lks 30" dia Marked B.T. T. 2 S. R. 10 E. sec 24.

Land level Soil 2^d rate with some fine Oak timber

(North on 4th mile)

On East Bdy of sec 13

TOWNSHIP 2 SOUTH, RANGE 10 EAST

40.00 Set gr sec stake made mound pits trench and depd charcoal from which an Oak bears S 71° E dist E. dist 1ch 30in dia
 8.00 set sec cor for secs 7, 12, 13 & 18 made mound pits trenches and deposited charcoal from which an Oak bears N. 10° E. dist 75 lks dia 18" Another bears P 48 $\frac{3}{4}$ ° E. dist 73 lks dia 12 inches.
 Land level soil sandy 3rd rate.

North on 5th mile on E. Bdy of S. 12

27.00 Road Course S.E.
 40.00 set gr sec stake made mound pits trenches and depd charcoal. from which an Oak bears S. 72° E. dist 1ch 41ls dia 12"
 73.50 Road course E.W.
 8.00 set sec cor for secs 1, 6, 7 & 12 made mound pits trenches and deposited charcoal from which an Oak bears S 59 $\frac{3}{4}$ ° E. dist 1ch 64 ls dia 24 in another Oak bears S. 84 $\frac{3}{4}$ ° W. dist 1ch 26 lks dia 20" Diam. Land level soil 2nd rate Fair Oak timber throughout the mile

North on 6th Mile on E. Bdy of S. 1.

10.00 Descend
 15.00 Foot of descent
 22.50 Road course E.W.
 25.00 Enter low Bottom
 38.20 Sit M. Post on Left Bk of Stanislaus River N. made. mound pits trenches & deposited charcoal set flag on line on opposite side of river thence ran a line at right angles (from M.P.) 4 chs 62 lks and found angle on flag to be 45° therefore distance to flag from post equal base 4.62 chs
 42.82 set M. P. on Right Bk of Stanislaus River this post is also

TOWNSHIP 2+3 SOUTH, RANGE 11 EAST

set as witness post for gr sec, being 2 chs & 2 lbs N. of the 1/4 S.C.

43.00 Around rolling hills

80.00 Set G.P. for T 2+3 S R 11 E. sec 1, 6, 31+36 made mound pits
trenches & deposited charcoal from which an Oak tree
N 8° E dist 4 chs dia 37 inches marked tree B.T.R. 11 E. T.S. Sec 31
land rolling soil 3rd rate some scattering Oak timber

— North & South Bdy of T 2+3 S. R 10 & 11 E. —

Nav. 15° 25' E.

West on Northern Bdy of secs 1, 2, 3, 4, 5+6 set Pump mile & 1/2 mile
posts : and at 6 miles 2 chs & 35 lbs intersect the W. Bdy of G.P.
& lbs South of post marked for G.P. 2+3 S. R. 10 & 11 E. Recs 1, 6, 31+36
The correction will therefore be 8 1/2 lbs North per mile.

East on a true line

Per 1st mile

Nav 15° 25' E.

42.35 Set 1/4 sec stake with mound pits & trenches & deposited charcoal.
82.35 Set sec stake for cor to secs 5, 6, 31+32 made mound pits &
trenches & depd Charcoal.
Land level Soil 3rd rate.

East on a true line

Per 2d mile,

Nav 15° 25' E

40.00 Set 1/4 sec stake made mound pits trenches & deposited charcoal.
80.00 Set sec post for cor to sec 4, 5, 82 & 83 made mound pits
and trenches & deposited charcoal.
Land level Soil 3rd rate.

TOWNSHIP 2 + 3 SOUTH, RANGE 11 EAST

East on true line

on 3rd mile

Vaz. $15^{\circ} 25' E$

- 40.00 Set $\frac{1}{4}$ sec stake made mound pits & trenches & deposited charcoal.
as per instructions
- 77.00 Cross Mariposa road Course N.W.
- 80.00 set post marked for secs 3, 4, 33 & 34.
Land rolling Soil 3rd rate.

East on a true line

On 4th mile

Vaz $15^{\circ} 25' E$

- 40.00 set $\frac{1}{4}$ sec stake, with mound pits & trenches and depd charcoal
- 80.00 set post for cor to secs 2, 3, 34 & 35 Made mound pits &c deposited charcoal Land rolling - Soil 3rd rate.

East on true on

5th Mile Vaz. $15^{\circ} 25' E$.

- 40.00 set $\frac{1}{4}$ sec stake made mound pits trenches & depd charcoal.
Dry creek 1 ch so the wide course south.
- 70.50 Set sec post for cor to secs 1, 2, 35 & 36 Made mound pits and
trenches and deposited charcoal.
Land rolling soil 3rd rate.

East true line on

6th Mile Vaz $15^{\circ} 25' E$

- 100 To Ravine
- 300 Cross .. Course south
- 3900 To Branch of dry creek
- 21100 Cross creek course S. set witness post for $\frac{1}{4}$ sec cor with M.D. pits trench & depd charcoal
- 8000 To post set for T2 R3 S R11 + 1/2 E. Recs 1, 6, 31 & 36. Land level soil 1st rate.

TOWNSHIP 2 3 SOUTH, RANGE 11 EAST

Eastern Body of Township commences at post set for T 2 S R 11 E
 North on 1st mile Var 15° 30' E.

- 32.00 descend bluff of dry creek
- 34.00 Road W. by N. & foot of descent.
- 40.00 set grv stake made mound pits & trenches & deposited charcoal.
- 41.30 To dry creek
- 43.40 Across same course West
- 50.00 set sec post for secs 25, 30, 31 & 36 made mound pits trenches & depd charcoal Land rolling Soil 1st rate.

North on 2nd mile

- 14.00 To dry creek 1ch wide course S.E.
- 40.00 Set grv sec stake made mound pits trenches & deposited charcoal
- 50.00 set sec post for secs 19, 24, 25 & 30 made mound pits trenches and deposited charcoal Land rolling Soil 2^d rate.

North on 3rd mile

- 12.00 To old road course E & W.
- 40.00 set grv sec stake made mound pits trenches & deposited charcoal.
- 50.00 Set sec post for secs 13, 18, 19 & 24. Made mound pits & trenches & deposited charcoal Land rolling Soil 2^d rate

North on 4th mile

- 750 Road course E & W.
- 40.00 set grv sec stake made mound pits trenches and depd charcoal
- 50.00 Set sec post for secs 7, 12, 13 & 18 made mound pits trenches and deposited charcoal as required per instructions Land rolling Soil 2^d rate.

TOWNSHIP 2 SOUTH, RANGE 12 EAST

North on 5th mile

- 16.00 Road course N.E.
 33.00 Branch of dry creek
 34.40 Across same course S.W.
 40.00 set gr. sec stake made mound pits trenches & depd charcoal
 80.00 set sec post for secs 1, 6, 7 & 12 made mound pits trenches & deposited charcoal. Land & soil same

North on 6th mile

- 40.00 set 1st sec stake made mound pits trench & depd charcoal
 80.00 set township post for T 1st R 11th E Secs 1, 6, 31 & 36 made mound pits trenches and depd charcoal as required per instructions Land rolling Soil 3rd rate.

South Body T 2 S R 12 E

West on Random on S.B. of secs 36, 35, 34, 33, 32, 31.

Var. 15° 35' E

set 1st Mile & Half mile posts and intersect West Boundary of Township in 6 miles 3 phs. & 37 lks. and 1 ch 24 lks S. of post set for cor to ^{Twp's} Posts 2nd S R 11th E. and Secs 1, 6, 31 & 36 the correction therefore will be 2 1/2 lks north per mile

East on true line

on 1st mile Var 15° 35' E

- 24.00 Cross small dry creek 15 lks wide course South
 43.37 set 1st sec stake made mound pits trenches and depd

TOWNSHIP 2 SOUTH, RANGE 12 EAST

charcoal

- 83.37 set sec post for secs 5, 6, 31 & 32 made mound pits trenches
and deposited charcoal as per instructions
Land level soil 2^d rate.

East on true ^{line} on 2^d mile
Var 15° 35' E.

- 35.75 Sitch course N. by E. enter field
40.00 set 1^{1/2} sec stake made mound pits trenches & deposited
charcoal
50.00 To dry creek course S.W.
51.00 Across dry creek .. S.W.
52.40 Road course N. by W.
55.50 To dry creek
56.30 Cross " " course N.W.
58.00 Pass Davis House 10 chs South.
66.20 To fence and leave field Course of fence N.W.S.
71.00 To dry creek 4 chs across .. S.W.
77.50 Top of hill & descend
80.00 Set sec post for post to secs 4, 5, 32 & 33 made mound
pits trenches and deposited charcoal as per insta.
Land Level Soil 2^d rate.

East on true line on 3^d mile
Var 15° 35' East

- 83.00 To foot of hill cross dry ravine course N.W.
15 chs widest ascend.
11.00 Top of hill and descend
16.50 To foot of descent and ascend.

TOWNSHIP 12 SOUTH, RANGE 12 EAST

25.00 Top of ascent and descend
 32.00 foot of descent and enter valley of creek
 40.00 Set 1/4 sec stake made mound pits trenches & deposited
charcoal as per instructions
 40.40 Cross dry creek course N.W.
 46.00 " " 10 ft wide course S.W.
 74.00 Road course N.W.
 80.00 set sec post for cor to sec 3.4.33 & 34 made mound pits
trenches and deposited charcoal as per instructions
Land rolling Soil 3rd rate.

East on true on 4th mile
Var 15° 35' E.

18.50 Go dry creek
 20.20 Cross same course N.W.
 40.00 Set 1/4 sec stake made mound pits trenches & deposited charcoal
as per instructions from the Widow Nelson's house bears S 88½° E.
 54.00 Go dry Creek
 57.00 Leave same course I.W.
 80.00 Set sec post for cor to sec 2.3.34 & 35 - 50 ft S. of true cor.
made mound pits trenches and deposited charcoal from which
Widow Nelson's house bears S 85° W.
Land level Soil 3rd rate

East on true on 5th mile
Var 15° 35' E

19.00 Descend
 26.00 Go foot of hill cross by ravine course W.W.
 40.00 Set 1/4 sec stake made mound pits trenches & deposited

TOWNSHIP 2 S. SOUTH, RANGE 12 EAST

charcoal

- 42.00 Go dry creek
 43.00 Cross same course North
 6.00 Center dry creek
 77.00 Leave dry creek course S of West
 80.00 Set sec post for cor to secs 1, 2, 35 & 36 made mound with
 pits & trenches & deposited charcoal as per instructions
 Land level out last ½ mile Soil 2^d rate.

Cast on true line on 6th mile

Var 15° 35' E.

- 33.50 Go dry creek
 34.50 Cross same creek course S.W.
 36.00 Center dry creek course West.
 40.00 Set Witness post for 1st sec cor 1ch North of true 1/4 rec cor.
 falling in bed of creek
 60.00 Leave bed of dry creek course West
 80.00 Go township post set for T. 2 S. R. 12 & 13 E. Vales, 1, 6, 31 & 36.
 Land level soil 2^d rate.

Commenced at post cor to Tps 2 & 3 S. Ranges 12 & 13 E
 and ran North on 1st mile

Var. 15° 45' E

- 20.00 Go foot of dry creek to the wide course West.
 40.00 Set 1/4 sec stake made mound with pits and trenches
 and deposited charcoal
 Go Bank of dry creek
 51.00 Cross same " " course S.W.
 80.00 Set sec post for secs 25, 30, 31, 36.

TOWNSHIP 2ND SOUTH, RANGE 13 EAST

Made mound pits & trenches & deposited charcoal as per instructions.
Land level soil 2^d rate

North on 2^d mile

Var 15° 45' E.

- 26.00 To Road Course E. by North
40.00 Set 1/4 sec stake made mound with pits and trenches and deposited charcoal as per instructions
64.70 Road course N. E.
80.00 Set sec post for cor to secs 19, 24, 25 & 30 made mound with pits & trenches and deposited charcoal.
Land level soil 2^d rate.

North on 3rd mile

Var. 15° 45' E

- 12.00 To road course North East
21.00 Pass G. P. McGees House 3 chs East of line
40.00 Set 1/4 sec stake made mound with pits and trenches and deposited charcoal as per instructions
80.00 Set sec post for cor to secs 13, 18, 19 & 24 made mound with pits & trenches and deposited charcoal.
Land level Soil 2^d rate.

North on 4th mile

Var 15° 25' E

- 6.00 Leave level land and enter rolling hills
33.50 Trail course N. W.
40.00 Set 1/4 sec stake made mound with pits & trenches and deposited charcoal as per instructions

TOWNSHIP 2 SOUTH, RANGE 12 EAST

- 47.00 Sitch, course N.W. by E.
 72.20 To brush fence course W. by E. and enter timber
 80.00 Set sec post for cor to sec 7, 12, 13, & 18 made mound with pits & trenches and deposited charcoal from which bears an Oak tree 24 in dia S. 19° E. 1ch 8 lbs dry land (with exception of a small cultivated strip) very rough h and broken *3rd rate.*

North on 5th mile

Vav 15° 26' E.

- 40.00 Set 1st sec stake made mound with pits & trenches and deposited charcoal. as per instructions
 80.00 Set post for cor to sec 1, 6, 7 & 12 made mound pits trenches & deposited charcoal from which bears an Oak 24 in dia S. 50° E. 95 lbs dry
 Land hilly Soil *3rd rate.*

North on 6th mile

Vav 15° 46' E

- 40.00 Set 1st sec stake made mound pits trenches & deposited charcoal as per instructions
 80.00 Set township post for cor to ~~sec 10~~ Twp 17 S. R. 12 & 13 E. And sec 1, 6, 31 & 36 made mound with pits, trenches and deposited charcoal from which bears an Oak 18 in dia S. 54 $\frac{3}{4}$ ° W. 47 lbs dry
 " 24 " N 58° W 64 "
 Land Rough Soil *3rd rate.*

TOWNSHIP *2* SOUTH, RANGE *13* EAST

S.B. 2.S 13 E and N.B. of 3S 13 E.

West on random Var 15° 30' E
on North Bdy of sect 1, 2, 3, 4, 5 & 6 set lump mile & 1/2 mile
posts and at 6 miles & 20' ths intersect West Bdy of T.
89 ths South of C.P. set for GPS. 2 & 3 S.R. 12 & 13 E. sects 1, 6, 3, 18, 36
There for the correction will be 15 ths per mile North.

East on true line on 1st mile

- | | |
|-------|--|
| 1.00 | across branch of dry creek course S. |
| 6.00 | To same creek |
| 7.20 | Cross . Course E by W. |
| 9.00 | To same creek |
| 10.00 | Across same course S. |
| 18.00 | To same creek |
| 19.00 | across course N.W. |
| 30.00 | To same creek |
| 31.50 | Across creek course S.W. |
| 33.50 | To same creek |
| 34.50 | Across same course N.W. |
| 35.00 | To same creek |
| 35.60 | Across same Course S.W. |
| 36.50 | To same creek |
| 37.50 | Across same Course N.W. |
| 40.20 | Set up red stake made mound pits trenches & deposited charcoal |
| 51.00 | Crossed bed of a dry ravine course N.W. & S.W. 40 ft wide |
| 52.00 | Crossed dry ravine course S.W. |
| 53.30 | " " " " N. W. |
| 54.90 | " " " " S.W. |
| 58.20 | Set sec post for sect 5, 6, 31 & 32. made mound pits trenches |

TOWNSHIP: 2nd SOUTH, RANGE 13 EAST

and deposited charcoal Land slightly rolling Gravelly
Not over 3rd rate

East on 2nd mile

- 40.00 set gr sec stake made mound pits trenches & deposited charcoal
- 80.00 set sec post for secs 4, 5, 32 & 33 Made mound pits trenches & deposited charcoal Land Rolling Soil 3rd rate.

East on 3rd mile

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal
- 48.00 Crossed small ravine 15' ls Wide course S.
- 63.15 Road course N. W.S.
- 72.00 Crossed dry creek 1 chain Wide course S by W.
- 80.00 Set sec post for secs 3, 4, 33 & 34 made mound pits trenches & deposited charcoal
Land rolling Soil gravelly & 3rd rate.

East on 4th mile

- 40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal
- 49.00 crossed dry creek 15' ls wide course N. W.
- 54.00 " " ravine 20 " " N. W.
- 54.10 " fence N. W. & enter field.
- 60.65 a ditch N. by E. & left field
- 66.25 Road course N.W.
- 80.00 Set sec post for secs 2, 3, 34 & 35 made mound pits

TOWNSHIP 4 SOUTH, RANGE 5 EAST

trenches & deposited charcoal
Land rolling soil 2^d rate.

East on 5th mile

- 9.00 fence & ditch course N.E. & enter field
crossed a creek 30' wide course S.W.
39.00 same creek 20" " " NW
40.00 set gspec stake made mound pits trenches & deposited charcoal
crossed ditch course N.W. & left field
77.00 Road course E & S.W.
80.00 Set sec post for secs 1, 2, 35 & 36 made mound pits & trenches
& deposited charcoal & enter timber land level soil 2^d rate

East on 6th mile.

- 6.00 Road Course N.E.
87.0 Road " N.W.
40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal
57.50 To a dry rocky creek
52.00 Across same course N.W.
8.00 To Tp post set for T. 3^v 35. R 13^v 14 E
Land rolling and covered with scattering oak timber.
Soil no sale being mostly rocky.

Bw H. Bdy. T 4^v 6 E & S.B. of 3^v 6 E.

commence at Tp. post set for T. 3^v 4. S.R. 6^v 7. E.

Jan 15° 45' S

West on North Bdy of sec 1

- 40.00 set gspec stake made mound pits trenches & deposited charcoal

TOWNSHIP 4 SOUTH, RANGE 6 EAST

56.00 Road course S.W.

80.00 set pec cor post for sec 1, 2, 35 & 36 made mound pits
trenches & dep'd charcoal. Land level Soil 2^d rate.

West on North Bdy of sec 2

40.00 set gr pec stake made mound pits trenches & deposited
charcoal

80.00 set pec cor post for sec 2, 3, ~~31~~ & 34 & 35 Made mound pits
trenches and deposited charcoal as required per instructions
land level soil 2^d rate

West on N. Bdy. of sec 3

40.00 set gr pec stake made mound pits trenches & deposited charcoal

76.85 Road course N.W.

80.00 set pec cor post sec 3, 4, 33 & 34 made mound pits trenches
and deposited charcoal as required per instructions
land level Soil 3^d rate

West on North Bdy of sec 4

40.00 set gr pec stake made mound pits trenches & deposited charcoal.

80.00 set pec cor post for sec 4, 5, 32, & 33 made mound pits and
trenches and deposited charcoal as required per instructions.

Land level Soil 2^d rate

West on North Bdy of sec 5.

40.00 set gr pec stake made mound pits trenches & deposited charcoal

80.00 Set pec cor post for sec 5, 6, 31 & 32 made mound pits & trenches
and deposited charcoal as per instructions

Land level Soil 2^d rate

TOWNSHIP 3 SOUTH, RANGE 6 EAST

West on North Bdy of sec 6.

- 40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal
- 62.00 To a creek
- 63.40 Across same course N.E.
- 81.50 Set 1/4 sec post for T3S R6E sec 1, 6, 31 & 36
Made mound pits trenches and deposited charcoal as per instructions
Land level Soil gravelly & 3rd rate.

North on W. Bdy of sec 31 T3S R6E

Var. $15^{\circ} 45' E$

- 40.00 set 1/4 sec stake made mound pits trenches & deposited charcoal
- 51.00 Trail, course N.E. by E.
- 80.00 set sec cor post for secs 25, 30, 31 & 36 made mound pits trenches & deposited charcoal
Land level soil 2d rate.

North on west Bdy of sec 30

- 29.40 Trail course E & W
- 40.00 set 1/4 sec stake made mound pits & trenches and deposited charcoal.
- 80.00 set sec cor sec post for cor to secs 19 & 24, 25 & 30 Made mound pits & trenches and deposited charcoal. as per inst
Land level Soil 2nd rate.

North on West bdy of sec 19

- 40.00 Set 1/4 sec stake made mound pits trenches and deposited charcoal
- 53.00 Set meander post on left bank of San Joaquin River

TOWNSHIP 3 SOUTH, RANGE 7 EAST

course N.W. by E. made mound pits & trenches & depd charcoal.
Land low soil 2^d rate.

found it impossible to cross river at this point on account
of high stage of water

T 3 S. R. 7 E.

East, on Random line S.B. of sec 31, 32, 33, 34 & 35 & 36

Naz 15° 45' E

set temp mile & half mile posts and at 6 miles & 2 chs
intersect East boundary of Tp. cor post set for Tp. 34 S
R 7 & 8 E. The correction will therefore be 2 chs East and
25 lks south per mile

West on true line South Bdy sec 36

40.00 Set 1/4 sec stake made mound pits trenches and
deposited charcoal

80.00 Set sec cor post for secs 35, 36, 2 & 1 Made mound pits
trenches & deposited charcoal as per just
Land level Soil 2^d rate.

West on South Bdy sec 35

85.00 Road leading to Twp. City Course S.E. & W by W.

40.00 Set 1/4 sec stake made mound pits & trenches and
deposited charcoal as per just

56.35 Ditch and fence Course S.E. & N.W.

61.70 To S.E. cor. of Col. Caseys house

67.00 Cross ditch leave down on bottom land also enter
timber

67.50 To N.W. Edge of a pond

TOWNSHIP 3 SOUTH, RANGE 7 EAST

- 70.00 cross same pond
 80.00 set sec cor post for secs 34, 35, & 32 made mound pits
 trenches and depd charcoal.

An Oak 21 in dia bears N. $42\frac{1}{4}^{\circ}$ W 1 ch. 46 lbs dist.

Marked B.T. T. 3 S.R 7 E. see 34

Land last 30 chs 1st rate bottom land
 Some scattering Oak timber.

West on South bdy of sec 34

- 100.00 Pass live tree 48 in dia marked tree with 3 notches
 both sides leave timber for open glade
 140.00 Set 1/4 sec stake made mound pits trenches & deposited
 charcoal

149.00 live tree marked with 3 notches both sides

150.00 ravine, 5 lbs wide course S.E.

157.00 set meander post on edge of thicket and near right
 bank of San Joaquin River made mound pits trenches
 and deposited charcoal. from which bears

An Oak 35 in dia S 13° W 84 lbs dist

Marked B.T. N.W.P. T 4 S.R 7 E see 3. Land level.

Soil 1st rate subject to over flow.

found it impossible to continue the Tp. line on acc't of
 high stage of river I therefore offset in Tp 3 S.R 7 E M.D.M.
 from meander post last set.

East 5 chs Thence

North 80 "

West 35 "

North 37 "

West 29 "

TOWNSHIP 3 SOUTH, RANGE 7 EAST

North 8 chs Thence

West 24 "

South 45 " Go river Bank of San Joaquin River
set flag thence crossed river got on line and ran a
base line west 3 chs + 40 lds and found flag to bear
 45° therefore the distance across river equals base line
3 chs 40 lds course of River N.W. by E.

(4840) chs Across River

(75.00) " Intersect Tp line thence

West 10 chs set sec cor post for sec 32, 33, 37 & 38 made
mound pits trenches deposited charcoal Thence
east from sec post last set

30.60 set meander post near left bank of San Joaquin R.
course of river N.W. Made mound pits trenches & depd charcoal.

West from sec cor for sec 4, 5, 32 & 33

But South Boundary of sec 32

10.00 To a pond 4 chs wide

set 1/4 sec stake made mound pits trenches

60.00 Road course N.W. by E.

80.00 Set sec cor post for sec 6, 5, 31 & 32 made mound pits
trenches & deposited charcoal
hand level Soil 2^d rate.

West on South Body of sec 31

40.00 set 1/4 sec stake made mound pits trenches & depd charcoal

82.00 To Tp post set for Tp 30 & S. R. 6 & 7 E & cor to sec 36, 31, 1 & 6
hand level Soil 2^d rate.

TOWNSHIP 3¹ SOUTH, RANGE 7 EAST

Commenced at 9th post set for 9th 3¹ S R 7th E Var. 15° 45' E

North on East Bdy of sec 36

- 40.00 Set 1/4 sec stake made mound pits trenches and depd charcoal
80.00 Set sec cor post for secs 25, 20, 36, & 31 made mound pits
trenches & deposited charcoal.

Land level Soil 3rd rate

North on east Bdy of sec 30

- 40.00 Set 1/4 sec stake made mound pits trenches & depd charcoal
80.00 Set sec cor post for secs 34, 19, 25 & 30 made mound pits
trenches deposited charcoal Land level Soil 3rd rate

North on east bdy of sec 24

- 40.00 Set 1/4 sec stake made mound pits trench & depd charcoal
80.00 Set sec cor post for secs 13, 18, 24 & 14 made mound pits &
trench & deposited charcoal Land level Soil 3rd rate.

North on East Bdy of sec 13

- 22.00 Road course N.W. by E.
40.00 Set 1/4 sec stake made mound pits trench & deposited
charcoal
80.00 Set sec cor post for secs 12, 7, 13 & 18 made mound pits
trench & depd charcoal Land level Soil 3rd rate.

North on East Boundary of sec 12

- 40.00 Set 1/4 sec stake made mound pits trenches & depd
charcoal
80.00 Set sec cor post for secs 1, 6, 12 & 7 made mound pits and

TOWNSHIP 3 SOUTH, RANGE 8 EAST

trench & deposited charcoal as per instructions
Land level soil 3rd rate

North on east Bdy of sec 1

40.00 set 1/4 sec stake made mound pits & trench & depd
charcoal

70.00 Road course N.W.

80.00 Set Tp cor post for Tp 273 S R7 & 8 E (sec 1, 6, 31 & 36
deposited charcoal as per insts
Land level Soil 3rd rate.

Commenced at Tp. 1 cor post pit for Tp 273 S. R7 & 8 E and run
~~East and stand out on North Bdy~~

West on N. Bdy of sec 1

10.00 Road course N.W.

40.00 Set 1/4 sec stake made mound pits trenches and deposited
charcoal

50.00 Road Course N.W.

56.00 " " N.E.

62.00 Descend from plains into bottom land.

64.91 marked an Oak tree 40 in dia for M.P. near left Bank
of Stanslaus River (course of river South)

Commenced on E. B. Tp. 4 S. R 8 E at post set for Tps 3 & 4 S.
Rgs 8 & 9 C. and run

West on N. B. of sec 1

Var 15° 45' E.

40.00 Set 1/4 sec stake made mound pits trench & deposited
charcoal

TOWNSHIP 3 SOUTH, RANGE 8 EAST

80.00 set post for cor to secs 1, 2, 35 & 36 made mound pits trench & deposited charcoal

hand level Soil 3rd rate

West on North B. of sec 2 Var. 15° 45' E

40.00 Set 1/4 sec stake made mound pits & trench & depd charcoal

80.00 set post for cor to secs 2, 3, 34 & 35 made mound pits and trench & deposited charcoal

hand level Soil 3rd rate

West on N. B. of sec 3

(Var 15° 45' E)

40.00 Set 1/4 sec stake made mound, pits & trench & deposited charcoal

80.00 set post for cor to secs 2, 3, 34 & 35 Made mound pits trench and deposited charcoal

hand level soil 3rd rate.

West on North Bdy of sec 4

Var 15° 45' E

40.00 Set 1/4 sec stake, made mound, pits trench & deposited charcoal

64.00 Road course S.W. by W.

75.00 " " " "

80.00 Set post for cor to secs 4, 5, 32 & 33 Made mound pits trench & deposited charcoal hand level Soil 3rd rate.

West on S.B. of sec 5

Var 15° 45' E

40.00 set 1/4 sec stake Made Mound pits trench & depd charcoal

80.00 set post for cor to secs 5, 6, 31 & 32 Made Mound pits

TOWNSHIP 3 SOUTH, RANGE 8 EAST

trenches and deposited charcoal
Land level soil 3rd rate

West on N. B. of sec 6
Var 15° 45' E

- 40.00 set 1/4 sec stake made mound pits trench & depd charcoal.
- 59.00 Road course N.W. by E.
- 82.00 Set post for cor to Gps 384 S. R 788 E & secs 1, 6, 31 & 36
made mound pits trenches and depd charcoal.
Land level land 2nd rate.
-
- 80.00 set ~~temp~~ Tp post for Gps 283 S R 889 E secs 1, 6, 31 & 36
Made mound pits trenches & deposited charcoal as per insts
No bearing to be had

Commenced at post set for Gps 283 S R 889 E

South on 1st Mile

Var 15° 30' E

- 40.00 set 1/4 sec stake made mound pits trench & deposited charcoal.
- 80.00 set sec cor post for secs 1, 6, 31 & 36 made pit trench
& depd charcoal as per insts

South on 2nd mile

- 40.00 Set 1/4 sec stake made mound pits & trenches & deposited
charcoal as per instructions
- 80.00 Set sec post for cor to secs 7, 12, 13 & 18 Made mound
pits trenches deposited charcoal as per insts

MILE MARKER 3 SOUTH RANGE 8 EAST

Land level Soil sandy

South on 3rd mile

40.00 Set 1/4 sec stake made mound pits trench & depd charcoal
80.00 set sec post for secs 13, 18, 19 & 24 made mud pits trench
& deposited charcoal Land level Soil sandy

South on fourth (4th) mile

18.00 Road course S & W.

40.00 Set 1/4 sec stake made mound pits trench & depd charcoal
80.00 set sec post for secs 19, 24, 25 & 30 made mound pits
trenches & deposited charcoal

Land level Soil sandy

South on 5th Mile

40.00 Set 1/4 sec stake made mound pits trench & depd charcoal

80.00 Set sec post for secs 25, 30, 31 & 34 made mound
pits trench & deposited charcoal. as per insts
Land level Soil sandy.

South on 6th Mile.

40.00 Set 1/4 sec stake made mound pits trench & deposited
charcoal

80.00 Set Tp post for Tp 304 S. R. 8 & 9 E Cor to secs 1, 6, 31 & 36
Made mound pits trench & depd charcoal. from
which a high peak of Sierra Nevada Mts bears N 35° E.
Another of same range bears D. 29° E

Land level Soil sandy

TOWNSHIP 3 SOUTH, RANGE 9 EAST

West on random line on the South Boundary of sec 36, 35, & 34 two miles and 72 chl set temp mile & half mile posts, also temp meander post on the right bank of the Tuolumne river

Returned to post set for sec 2, 3, 34 & 35 (Then offset North on sec line Bet sec 34 & 35)

North one mile thence

West on North Boundaries of sec 34, 33 & 32

^{Then}
connection by ~~W.E.~~ South, one mile, back to ~~ppr.~~ line, ^{Then}
~~West~~ ^{WEST} South one mile one chain + 82 lds intersect
the West Boundary of Tp. 2 chs 97 lds South of post
making the distance in East and Westing 6 miles 1 chain
+ 82 lds Therefore the correction will be 49 $\frac{1}{2}$ lds North
per mile

East on true South Boundary T3SR9E

Var $15^{\circ} 25' E$

East on 1st Mile.

41.82 Set $\frac{1}{4}$ sec stake made mound pits & trenches & deposited charcoal

59.00 Road Course N.E.

81.82 Set sec post for sec 31, 32, 6 & 5 Made mound pits trench and deposited charcoal as required by instructions
land level soil sandy.

East on 2d Mile

40.00 Set $\frac{1}{4}$ sec stake made mound pits trenches & deposited charcoal

SECTIONSHIP 3 SOUTH, RANGE 9 EAST

- 36.00 Set meander post on right bank of Tuol River made mound pits & trench & deposited charcoal
Returned to sec cor.
North offset set on sec line between secs 31 & 32 in
Road course N.E.
- 40.00 set 1st sec stake made mound pits trenches & depd charcoal
- 80.00 Set sec post for secs 29, 30, 31 & 32 made mound pits and
trenches, deposited charcoal
Land level Soil 3rd rate.

East Bet secs 29 & 32

- 40.00 set ^{1st} sec post for ~~sec~~^{1st made mound pits trench & depd charcoal}
- 80.00 set sec post for secs 29, 28, & 27 & 33 made mound pits
trenches & deposited charcoal as per instructions
Land level Soil 3rd rate.

East Bet secs 28 & 33

- 40.00 Set 1st sec stake Made mo and pits trenches and deposited charcoal on bank of dry creek
- 41.70 Cross dry creek course S of W.
- 46.30 Leave dry creek bottom for plains
- 80.00 set sec cor post for secs 28, 27, 33 & 34 made Mound
pits trench & deposited charcoal
Land level Soil 2^d rate.

East Bet. Secs 27 & 34

- 40.00 set 1st sec stake made mound pits trenches & depd charcoal

TOWNSHIP 8 SOUTH, RANGE 9 EAST

80.00 set sec post for cor to sec 27, 26, 34 & 35 made
around pits trenches & depd charcoal as per instr.
land level. Paid 2^d rate

South Between ^{Dees}
~~34 & 35~~

40.00 set 1/4 sec stake made around pits trenches
deposited charcoal

80.00 set sec post on Tp line for sec 34, 35, 37 & 2. Made
around pits trench & depd charcoal as per instr.
land level. Paid 2^d rate.

West on Tp line bet sec ^{34 & 35}

40.00 set 1/4 sec stake Made around pits trench & depd charcoal

72.00 Set meander post on right bank of Tnol River (Course
of river (N.W. by W) Made Md pits trenches & depd charcoal
Return to sec cor on Tp line

East on 5th Mile

South Body of sec 35

40.00 set 1/4 sec stake Made around pits trenches & depd
charcoal

80.00 Set cor post for sec 35, 36, 37 & 1 Made around pits &
trenches & depd charcoal.
Land level Paid 2^d rate.

East on 6th Mile

South Body of sec 36

40.00 set 1/4 sec stake made around pits trenches &
depd charcoal

TOWNSHIP 3 SOUTH, RANGE 9 EAST

80.00 To 1st post set for 9th 3rd Rgs 9+10 E sec 36, 31, 14 &
land level. Soil sandy.

— T. 3 S. R. 9 8.10. E. —

North on 1st Mile.

Var 15° 15' E.

34.30 Trail course East of South

set 1/4 sec stake made mound pit trench & deposited charcoal
Trail, Course S. W. by South

80.00 set sec post for cor to secis 25, 30, 31 & 36 made mound with pit
& trench & deposited charcoal.

Soil moderate land level.

North on 2nd mile.

38.30 Trail course W. of South.

40.00 set 1/4 sec stake made mound with pit trench & deposited
charcoal

56.50 Enter scattering oak timber

80.00 set sec post for cor to secis 19, 24, 25 & 30 made mound pit
and, trenches & deposited charcoal as per instructions
Land level. Soil 2nd rate.

North on 3rd mile.

10.50 descend

16.80 Foot of descent

21.50 Trail course West.

23.30 To dry creek

24.30 Cross dry creek course West.

25.50 Ascend.

TOWNSHIP 3 - SOUTH RANCE 9 EAST

- 27.00 Top of ascent on level
 40.00 Set 1/4 sec post made mound pits trenches deposited charcoal
 72.50 Leave scattering oak timber bears off East by ~~to~~ North
 80.00 Set sec post for secs 13, 18, 19 & 24 made mound pits trenches
 and deposited charcoal as per instructions

North on 4th Mile

- 14.00 Trail course N.W.
 40.00 Set 1/4 sec post made mound pits & trenches & deposited charcoal.
 44.40 Trail Course S.W. by West.
 80.00 Set sec cor for secs 7, 12, 13 & 18 made mound pits trenches
 & deposited charcoal. Land level
 Soil 3rd rate

North on 5th Mile

- 40.00 Set 1/4 sec post made mound pits & trenches & depd charcoal.
 62.00 Trail course S.W.
 80.00 Set sec cor post for secs 1, 6, 7 & 12 made mound pits trenches
 & deposited Charcoal
 Land level Soil 3rd rate.

North on 6th Mile.

- 11.00 Trail Course S.W.
 33.20 To dry creek
 33.50 Cross " " Course West
 40.00 Set 1/4 sec post made mound pits trenches depd charcoal.
 52.00 Road course S.W.
 80.00 Set lawnslip post for Tps 2 & 3 R. 9 & 10 E. & Cor to secs 16, 31 & 36
 made mound pits trenches & deposited charcoal

TOWNSHIP 3 SOUTH, RANGE 10 EAST

6000. Tree which bears
an Oak tree 40 in. dia $11^{\circ} W$ 3 chs 80 lbs dist

" " " 29 " $N 46 \frac{3}{4}^{\circ} E$ 3 " 31 " "

Land level Soil 2nd rate Some timber to N.W.

S.B. T.3.S.R.10.E

Commenced at the established corner to Township 3 & 4 South
Ranges 10 & 11 East and run on the south Boundary of Township
3 South Range 10 East, on a random line on south boundary
of sects 31, 32, 33, 34, 35 & 36, 2 miles 25 chs + 70 lbs
Set temp. mile and half mile posts and meander posts on right
bank of Tuolumne River Returned to post on line cor. of
sections 2, 3, 34 & 35 Trace off set north one mile thence west
on north boundaries of sections 34, 33 & 32 in Township 3.S. R.10.E.
Trace south 1/2 one mile thence west 81 chs + 90 lbs intersect
West Boundary of Township 1 ch 71 lbs south of post making
the distance 6 miles 1 ch + 90 lbs the correction therefore
will be 38 1/2 lbs per mile north on south bdy of Tp.

East on a true Var $15^{\circ} 30' E$

On First Mile

on south Boundary of section 31

41.90 Set 1st sec stake made mound pits & trenches & dep'd charcoal

45.70 Fence course H & S.

62.00 Road course N. E.

81.90 Set sec cor for sects 5, 6, 31 & 32 made mound pits & trenches
and deposited charcoal on bank of Tuolumne River Course of
river South of West near Marais Ferry at Empire city.
Land last mile level Soil 2nd rate Thence N. in T.3.S.R.10.E.

TOWNSHIP 6 SOUTH, RANGE 10 EAST

Second mile

North on section line between Sections 31 & 32

- 3.00 Road course N.E.
- 40.00 Set 1/4 sec stake made mound pits trenches and deposited charcoal
- 48.00 Road course N.E.
- 80.00 Set sec cor for sections 29, 30, 31 & 32 Made mound pits & trenches and deposited charcoal

East Between sections 29 & 32

- 5.70 Road course N.E.
- 40.00 Set 1/4 sec cor stake made mound pits trenches & deposited charcoal
- 80.00 Set sec cor for sect 28, 29, 31 & 33 made mound pits trenches & deposited charcoal. Land level Soil 3rd rate.

East Between ^{secs}_{28 & 33}

- 40.00 Set 1/4 sec stake made mound pits trenches & deposited charcoal.
- 80.00 set sec cor for sections 27, 28, 33 & 34 made mound pits trenches and deposited charcoal Land level Soil 3rd rate.

East Between sections 27 & 34

- 34.80 road course N.E.
- 40.00 Set 1/4 sec stake made mound pits & trenches & dep'd charcoal
Land level soil 3rd rate.

South between sections 34 & 35

- 40.00 set 1/4 sec plate made mound pits trenches & dep'd charcoal
- 41.65 Road Course E & W.
- 60.75 " " " & "

TOWNSHIP 3 SOUTH, RANGE 10 EAST

80.00 Set section post for sections 2, 3, 34 & 35' made mound pits & trenches & deposited charcoal
land level soil 2^d rate

Note. a part of the northern Boundary of T. 4 S. R 10 E was run at the time that it was sectionized the field notes of which are as follows. From section post set on township line for sections 3, 4, 33 & 34 West

40.00 Set 1^{1/4} sec stake made mound pits & trenches & depd charcoal
75.50 Set meander post on left bank of Tuol. River Course of River South West by West made mound pits & trenches and depd charcoal. Land level soil 2^d rate Returned to section corner East Between 3 & 34

25.00 Set meander post on left bank of Tuolumne river course of river N. Made mound pits & trenches & depd charcoal.

West on Township line Between
Sections 3 & 34.

35.70 Set meander post on right Bank of river (Tuolumne) course of river North, made mound pits & trenches and deposited charcoal
Land level soil 2^d rate. Returned to section corner. 2, 3, 34 & 35'

East on South boundary of Sec 35'

40.00 Set 1^{1/4} sec stake made mound pits & trenches & deposited charcoal
80.00 set sec stake for sections 35 & 36 made mound pits and trenches, and deposited charcoal
Land level Soil 2^d rate.

East on South Boundary of Section 36

TOWNSHIP 3 SOUTH, RANGE 10 EAST

- 40.00 set 1/4 sec stake made mound pits & trenches & deposited charcoal
 42.00 Ditch course Q.V.S.
 50.00 To Township corner Land level Soil 3rd rate
 Fine bottom land just south of line

— E.B. T.3 S. R. 10. E. —

Commenced at the established cor of Twp 3rd S. R. 10 & 11 E and
 run north, on E. Bdy of Twp 3 south.

First mile.

North on a true line on East Bdy of section 36.

Var $15^{\circ} 15'$ E.

- 3.00 Fence & ditch course West
 17.00 Road course East & West.
 40.00 Set 1/4 sec stake Made mound pits trench & deposited charcoal
 50.00 Set sec cor to sections 25, 30, 31 & 36 made mound pits & trenches
 and deposited charcoal
 Land level soil 3rd rate.

Second Mile

- North on East boundary of section 25
 40.00 set 1/4 sec stake made mound pits & trenches and deposited charcoal
 47.00 Outer timber
 57.00 To bank of dry creek and run parallel with left bank
 of same 10 chains
 73.00 Cross to opposite side of dry creek & change course West.
 80.00 Set sec cor for secs 19, 24, 25 & 30 Made mound pits &
 trenches and deposited charcoal.

TOWNSHIP 3 SOUTH, RANGE 10 EAST

an Oak 55 in. dia bears S. $53\frac{1}{2}$ ° W 1 ch 7 lks dist
marked tree B.T.R. 10 E T3S section 25'

Another Oak tree 57 in. dia bears N. $87\frac{1}{2}$ ° East 1 ch. 36 lks dist
marked B.T. T.3S. R.11.E. Section 19.

Land level and near dry creek 2nd rate.

Third Mile

North on East Boundary of section 24.

40.00 Set $\frac{1}{4}$ sec stake, made mound pits and trenches and deposited charcoal
80.00 Set sec cor for sections 13, 18, 19 & 24 made mound pits &
trenches and deposited charcoal as per instructions
Land level soil 3rd rate.

Fourth

North on eastern boundary of section 13

40.00 Set $\frac{1}{4}$ sec stake made mound pits, trenches & deposited charcoal.
80.00 Set sec cor for sections 7, 12, 13 & 18 made mound pits & trenches
and depd. charcoal. Land level Soil 3rd rate.

Fifth mile

North on east Boundary of section 12

39.30 Road course S.W. by W.

40.00 Set $\frac{1}{4}$ sec stake, made mound pits & trenches and depd charcoal
80.00 Set section cor for sections 1, 6, 7 & 12 made mound pits and
trenches and deposited charcoal as required per insts
Land level soil 3rd rate.

Sixth Mile.

North on East Boundary of section 1.

TOWNSHIP 4 SOUTH, RANGE 11 EAST

39.00 Road course N.W.
 40.00 Set 1st section stake made mound pits & trenches and depd charcoal.
 80.00 Set section Township post for T. 3rd, S. 5th, R. 10th, 11th E. Sections 1, 6, 31 & 36
 Made mound pits and trenches and deposited charcoal.
 Land level Soil. 3rd rate.

Roadwork W. Bdy of T. 4 S.R. 11 E. Nov 15th 00' E

West on roadwork on N. Bdy of sect 1, 2, 3, 4, 5 & 6 set lump mile & $\frac{1}{2}$ mile posts and at 4 miles 33. chains set lump meander post on left bank of Tuolumne River set flag on line on opposite side of river thence from M.P. ran a base line 16 chs & 20 lks at right angles and found flag on opposite side to bear 45° therefore distance from lump Meander post to flag equal base 16 chs. 20 lks. & set lump Meander post on right bank of Tuolumne River, course of river S.W. by W. and at 6 miles 2 chs intersect West boundary of township P. set for T. 3rd, 4th, S. R. 10th, 11th E. 50 lk S. of post therefore the correction will be 8 $\frac{1}{2}$ lks N. per mile.

East on 1st mile

200 Fence & ditch course N.W.
 42.00 Set 1st sec stake made mound pits trenches & deposited charcoal.
 82.00 Set sec post for sect 5, 6, 31 & 32 made mound pits & trenches and deposited charcoal as required per instructions
 Land level Soil sandy

East on 2nd mile

17.80 Road E by W.

TOWNSHIP 4 SOUTH, RANGE 11 EAST

- 30.80 set meander post on edge of low wet land near the right bank of the Guol. River.
- 47.00 set M.P. on left Bkt. of Guol. R. Course of River S.W. by W. made mound pits & trenches & deposited charcoal from which Mr. Greely's house bears S. 18° W (dist about 11 chs)
An Oak bears S. 10° 34' E. dist 4 chs 66 ft. S 37 inches
Titch. course N.E. and leave field and bottom land.
- 76.00 To top of bluff and on plains
- 76.60 Road course N.E.
- 80.00 Set sec post for sections 4, 5, 32 & 33. Made mound pits, trenches and deposited charcoal.
Land on bottom 1st rate.

East on Third Mile

- 40.00 Set gr sec stake made mound pits, trenches and deposited charcoal
- 80.00 Set sec post for secs 3, 4, 33 & 34 made mound pits & trenches and deposited charcoal. Land level, soil sandy.

East on 4th Mile

- 3.15 Road course N.E.
- 40.00 Set gr sec stake made mound pits, trenches and depd charcoal
- 80.00 Set sec post for sections 2, 3, 34 & 35 made mound pits & trenches, and deposited charcoal, as required per instructions
Land level, soil same as last mile.

East on 5th Mile

- 40.00 Set gr sec stake made mound pits, trenches & depd charcoal
- 80.00 Set sec post for secs 1, 2, 35 & 36 made mound pits and trenches and deposited charcoal, as required per instructions

TOWNSHIP 3 SOUTH, RANGE 11 EAST

Land level soil good rate.

East over 6th mile

- 40.00 Set gr sec stake made mound pits trencher and deposited charcoal
- 80.00 To township post set for T 3 S. 4 S. R 11 + 12 E secs 1, 6, 31 & 36
Land last mile same as the entire distance from Twp. R.
Not good for farming purposes.

Commence at post set for T 3 S. 4 S. R 11 + 12 E and run North on E. Boundary

Dev 1st Mile Tan 15° 30'

- 30.00 Descend from rolling plains
- 32.30 Road course West foot of descent
- 32.55 Ditch & fence course West in Mr Bonds field.
- 40.00 Set 1/4 sec stake made mound with pits & trencher depd Charcoal.
- 74.00 Set meander post & witness post for secs 25, 31 & 30 & 36
made mound pits trencher & deposited charcoal from which
An Oak 40 in. dia bears N. 52° W 2 chs 17 lbs dict. ^{27° 30' N.W.}
found it impossible to cross the river at this point on acc't of
a slough and thick underbrush of willow and brier
I therefore offset West.

West

- ~~21.00~~ 21.00 plains Thence
North 7.80 to bank of Twp River set flag for triangulation
crossed to opposite side of river got on line & ran base
line west at right angles 7 chs & 60 lbs and found angle
on flag to be 45° giving the distance across the river

3 SOUTH RANGE 11 EAST

7 chs & 60 lds and distance to flag on north side of river
 15.40 cross river course of river West
 30.00 commence ascending
 32.00 top of rolling plains
 33.00 house of Mr L B Hamilton bears S $50\frac{1}{2}^{\circ}$ E
 36.50 cross fence course E & W.
 46.00 Thence
 East 21.00 to East Bdy of P. set $\frac{1}{4}$ sec stake made mound & depd charcoal
 An Oak 24 in dia. Marked B.T.R. 12 E T.S.S. sec 30 bears S $27\frac{1}{2}^{\circ}$ E 40 lds.
 from $\frac{1}{4}$ sec post I run south on township line between sections
 20 & 30
 10.00 set meander post on right bank of Tuolumne River between secs
 25 & 30 made mound with pits trenches & deposited charcoal.
 An Oak 56 in in dia. Marked B.T. T.S.S. R 11 E Sec 25.
 Bears S. 10° w 66 lds dist Mr Hamilton's house bears S 49° N
 returned to $\frac{1}{4}$ sec stake from which staked ran North
 40.00 set sec post for cor to secs 19, 24, 25 & 30 made mound pits
 trenches and deposited charcoal.

Land rolling Soil 2^d rate

North on 3rd mile

Var 15° 30' E.

10.00 leave rolling lands for plains
 40.00 Set $\frac{1}{4}$ sec stake made mound pits trenches & deposited charcoal
 Road course N.W. by E.
 51.70 " " " "
 80.00 Set sec post for secs 13, 18, 19 & 24 made mound pits trenches
 & deposited charcoal.

Land level soil 3rd rate

TOWNSHIP 3 SOUTH, RANGE 11 EAST

North on 4th mile

(Var 15° 30' E)

- 32.00 Descend
 33.00 Foot of descent cross a road course N.W.
 33.25 Cross little dry creek so the wide course West.
 36.00 Same creek course S.E. by E.
 37.00 " " West and ascend
 40.00 Set 1/4 sec stake made mound pits trench & depd charcoal on top of ascent a few oak trees just below the line
 45.00 Cross road N.E. by E.
 50.00 Set post for cor to pcts 7, 12, 13 & 18 made mound pits trenches and deposited charcoal.

Land rolling Soil 3rd rate

North on 5th Mile

(Var 15° 30' E.)

- 28.00 Cross ravine so the wide course N.W.
 29.50 Cross Mariposa Road Course S.E. & N.W.
 40.00 Set 1/4 sec stake made mound with pits & trenches and deposited charcoal
 49.00 Switch course N.E. & S.W. & enter field.
 50.00 Set sec post for Cor to pcts 1, 6, 7 & 12 Made mound pits and trench and deposited charcoal as per instructions
 Land level Soil 1st Rate.

North on 6th Mile

(Var 15° 30' E)

- 40.00 Set 1/4 sec stake made mound pits & trenches and depd charcoal

TOWNSHIP 3 SOUTH, RANGE 12 EAST

49.50 To dry creek
 51.00 Across creek course West.
 (57.00) 57.00 Descend down ravine
 58.50 Cross bottom of ravine and ascend
 63.00 " ravine course S.W. By W.
 80.00 set I.p. post made mound pits & trenches and deposited charcoal
 marked the post for T 3 & R 12 E. Secs 1, 6, 31 & 36
 Land level soil 1st rate but hard to cultivate.

North Bdy T 4 S R 12 E. South Bdy 5, 12

West on random Var $15^{\circ} 10' E$
 on North Bdy of secs 1, 2, 3, 4, 5 & 6 set temporary mile & half
 mile stakes and intersect Western boundary of I.p. 1ch & 50 ll.
 South of I.p. post set for T 3 & R 11 & 12 E. sec 1, 6, 31 & 36 and in
 distance 6 miles 25' less therefore the correction will be
 25' North per mile

Cast on true line on 1st mile

Var $15^{\circ} 10' E$

40.25' Set gr sec stake made mound pits trenches and dep'd charcoal.
 80.25' set sec post for sec 5, 6, 31 & 32 Made mound pits trenches and
 deposited charcoal Land rolling soil 3rd rate.

Cast on 2d mile

40.00 Set gr sec stake made mound pits trenches & deposited charcoal
 80.00 Set sec post for sec 4, 5, 32 & 33 made mound pits trenches
 and dep'd charcoal. Land rolling soil 3rd rate.

East on 3rd mile

- 9.10 Cross road course N.W.
 4.00 set gr sec stake made mound pits trenches & depd charcoal.
 8.00 set sec post for sec 3, 4, 33 & 34 made mound pits trenches and deposited charcoal

Hand rolling soil 3rd rate.

~~East~~
North on 4th Mile

- 11.50 Road course N.W.
 15.50 Ditch course N.E.S.
 4.00 Set gr sec stake made mound pits trenches & depd charcoal.
 53.80 Ditch course N.E.S.
 8.00 Set sec post for sec 1, 2, 34 & 35 made mound pits trenches and deposited charcoal

Hand level soil 2nd rate.

East on 5th Mile

- 3.00 Mariposa road course S.E.
 22.50 Fence & ditch " N by E.
 4.00 set gr sec stake made mound pits trenches & depd charcoal.
 44.50 Fence & ditch course E by North.
 8.00 Set sec post for sec 1, 2, 35 & 36 made mound pits trenches & deposited charcoal.

$1\frac{1}{2}$ miles 2nd rate & level the last $\frac{1}{2}$ mile 3rd rate.

East on 6th Mile.

- 4.00 set gr sec stake made mound pits trenches and depd charcoal.
 8.00 To Township post hand $1\frac{1}{2}$ miles 3rd rate and rolling

TOWNSHIP 3 SOUTH, RANGE 12 EAST

Last $\frac{1}{2}$ mile 2^d rate & level.

— Eastern Bdy of Tp. —

North commenced at Tp. post set for T3+4 S R12+13 E

Naz $15^{\circ} 25'$ E

- 16.50 commence descending & enter timber
 18.00 Foot of hill
 27.80 Road course W. by N.
 40.00 set up sec stake made mound pits trenches & depd charcoal.
 43.70 Road course W. by N.
 48.00 Set M. P. left Bk. Tuolumne river course of river went
 made mound pits trenches and deposited charcoal from
 which an oak bears $531\frac{1}{2}$ E. dist 32.6 dia 28 in set flag at post
 and crossed to the opposite side of river got on line and ran a
 base line at right angles 10 chs and found angle on the flag
 to be $65^{\circ} 25'$ therefore
- | | |
|----------------------------|-------------------------------|
| sin. $24^{\circ} 35'$ | $= \frac{9.619110}{9.958734}$ |
| sin. $65^{\circ} 25'$ | $\frac{9.958734}{1.000000}$ |
| log 10. chs | $\frac{1.000000}{10.958734}$ |
| dist 21 chs 86.6 1.3139624 | |

Then

- South
- 15.57 set M. P. on right Bk. of river made mound pits trenches & depd charcoal from which an oak bears 178° E dist 5 chs 38 ls dia 30 in.
 making dist from sec cor to M. P. 54 chs 27 ls. Then
 from M. P. on right Bk.
- North
- 25.73 set sec post for sec 25, 30, 31 & 36 made mound pits & trenches
 and deposited charcoal

Level. Soil 3^d rate.

North on 2^d mile.

- 23.30 fence & ditch course E & W & leave barley field & ascend.
 26.00 Top of hill and on level
 36.00 descend gradually
 40.00 set gr sec stake made mound pits trencher & depd Charcoal.
 60.00 foot of descent & ascend abruptly.
 80.00 Set sec post for secs 19, 24, 25 & 30 made mound pits trencher & deposited charcoal
 Hand rolling soil 3rd rate

North on 3rd mile

- 40.00 set 1/4 sec stake made mound pits trench & depd charcoal.
 80.00 set sec cor for secs 13, 18, 19 & 24 Made mound pits trencher and deposited charcoal
 Hand rolling soil 3rd rate.

North on 4th Mile

- 37.30 Road course W. by N.
 40.00 set gr sec stake, made mound pits trencher deposited Charcoal.
 80.00 set sec cor post for secs 7, 12, 13 & 18 made mound pits trencher and deposited charcoal.
 Hand rolling soil 3rd rate.

North on 5th Mile.

- 40.00 set gr sec stake made mound pits trench & depd Charcoal.
 80.00 set sec cor for secs 1, 6, 7 & 12 made mound pits trencher and depd charcoal
 Hand rolling soil 3rd rate.

TOWNSHIP 3 SOUTH, RANGE 13 EAST

North on 6th mile

- 26.00 Leave rolling land and on plains
set gr sec stake made mound pits trench & depd charcoal.
74.00 To dry creek
79.00 To dry creek
80.00 across creek course SW. and set township post for T 3 S R 13 E
secs 1, 6, 31 & 36 made mound pits trench and deposited
charcoal as required per instructions
Hand level Soil 2^d rate.

North Bdy 4-13 + S. Bdy T 3 S R 13 E.

West random Var 15° 15' East

on North bdy of secs 1, 2, 3, 4, 5 & 6 set temp mile & half mile
posts and intersected West Bdy of Township 6 miles 2 chs 86 ls
and 3 chs 49 ls South of post set for T 3 S R 13 E
secs 1, 6, 31 & 36 the correction will therefore be 58 1/2 ft North
per mile

East on true line on 1st mile

- 41.35 Road course N. by W.
42.86 set gr sec stake made mound pits trench and depd charcoal.
45.00 Road course N.W.
82.86 set sec post for secs 5, 6, 31 & 32 made mound pits trench & depd
charcoal Hand rolling Soil 2^d rate

East on 2nd mile.

- 46.00 set gr sec stake made mound pits trench & depd charcoal.

43.15 Road course N.E.
80.00 set sec post for secs 4, 5, 32 & 33 made mound pits trenches
& deposited charcoal.

Land rolling soil 2^d rate.

East on 3rd mile

36.00 Ascend hill
40.00 set up sec stake ^{on top of hill}, made mound pits trenches & dep'd charcoal.
45.00 foot of hill
56.70 Road course N.W.
76.40 " " "
80.00 set sec post for secs 3, 4, 33 & 34 made mound pits trenches and
deposited charcoal.

Land rolling soil 2^d rate

East on 4th Mile

3.25 Sitch & fence course N. & S. and enter barley field
7.80 Road course N.E.
22.00 Leave Barley field
35.00 Seep gulch
38.00 Across same course N. E.
40.00 Set 1/4 sec stake made mound pits trenches and deposited charcoal
78.60 Enter barley field
80.00 Set sec post for secs 2, 3, 34, & 35 made mound pits trenches
and deposited charcoal

Land generally level

Soil 2^d rate.

TOWNSHIP 3 SOUTH, RANGE 13 EAST

East on 5th mile

- 18.80 Leave barley field
- 19.00 Trail course S.E.
- 30.20 Sitch + fence H.T.S.
- 30.70 Road course H.T.S.
- 40.00 set gr sec stake made mound pits trench & depd charcoal.
- 45.00 Road course P.C.
- 80.00 set sec post for secs 1, 2, 35 & 36 made mound pits, trenches and depd charcoal.
- Hand rolling Soil 2^d rate.

East on 6th Mile.

- 25.75 Road course P.C.
- 40.00 Set gr sec stake made mound pits trenches and depd charcoal.
- 80.00 To Township post
- Hand rolling Soil 3^d rate.

East on Bdy of Tp.

commenced at township cor set for T 384 S R 13 & 14 E.

(North on 1st Mile Var 15° 30' E)

- 10.25 Road course E & W.
- 35.00 Enter plastering timber
- 40.00 set gr sec stake made mound H.C. & C.
- 45.00 To edge of deep gulch
- 48.00 Across same course W by N.
- 50.00 To gulch
- 52.00 Across gulch S.E.
- 62.00 To gulch
- 65.00 Across same W by N.

72.00 To gulch
 77.00 Across same course East
 80.00 set sec post for sect 25, 30, 31 & 36 made mound pits trenches
 and depd charcoal.
 Oak bears N 7° E dist 1 ch 72 ls dia 21"
 Land rolling soil 3rd rate

North on 2nd mile

140.00 set gr sec stake made mound pits trenches & depd charcoal.
 From which an Oak bear S 93° W dist 40 ls dia 18 in.
 144.00 To gulch
 150.00 Across same course R.C.
 172.00 Road course E & W & leave timber
 180.00 Set sec post for sect 19, 24, 25 & 30 made mound pits trenches
 and deposited charcoal.
 Land rough and broken in little hillocks Soil 3rd rate.

North on 3rd mile.

140.00 Set gr sec stake made mound pits trenches & depd charcoal.
 at foot of a rolling hill & ascend.
 144.00 To top of bluff & descend.
 154.00 To foot of bluff and enter timber
 160.00 Set meander post on edge of mining ground at
 French bar Twp. River. Made mound pits trenches
 and deposited charcoal dist 5 chs 50 ls from river bank
 from which an Oak bear S 17 W dist 46 ls dia 37 in another
 Oak bear N 44° E dist 94 ls D. 34" thence crossed
 Tuolumne River got out line and measured a base
 West at right angle 17 chs 29 ls and found angle

ow flag set at M.P. to be 45° therefore distance from M.P. across river equal base, 77 chs 29 ls and distance from sec cor 77 chs 54 ls measured south & chs and set M.P. on right bank of Tuol. River made mound pits trenches & deposited charcoal.

75.34 To Meander post on right bank course of river west.

80.00 Set sec post for secs 13. 18. 19 & 24 made mound pits trenches & deposited charcoal.

Land on South side of river rough and broken soil 3rd rate On North side some level

Soil 2nd rate.

North on 4th mile

40.00 set gr sec stake made mound pits trenches & depd charcoal from which on Oak tree bears S. $64^{\circ} 34' W$ dist 83 ls dia 35 inches

74.00 Ascend abruptly steep bluff. 50'

80.00 Set sec post for secs 7. 12. 13 & 18 on top of bluff. made mound pits trench and deposited charcoal from which on Oak bears S $48^{\circ} W$ dist 25 ls dia 18 in

Land rough & broken last half mile soil 3rd rate.

North on 5th mile

Var $15^{\circ} 20' E$

13.00 To foot of bluff.

40.00 set gr sec stake made mound pits trench & depd charcoal from which on Oak bears N $84^{\circ} 15' W$. dist 8 ls dia 16 inches

80.00 Set sec post for secs 1. 6. 7 & 12 made mound pits & trenches & depd charcoal from which on Oak bears S $62^{\circ} W$ dist 16 ls dia 21 inches

TOWNSHIP 3 SOUTH, RANGE 11 EAST

another bears S $43\frac{1}{2}$ ° E. dist 96 lbs dia 18 inches
Land rough & broken Soil barren & rocky no slate

North on 6th mile

- 29.25 To brush fence course N.W.
 33.00 " " " N.E.
 40.00 Set gr sec stake made mound pits trench and deposited charcoal
 from which an Oak bears S $37\frac{1}{2}$ ° E dist 1 ch 25 lbs dia 24 in.
 and ascend gradually
 80.00 set Tp post for T 3 $\frac{1}{2}$ S R 14 E Rec. 1, 6, 31436 made mound
 pits trench & depd charcoal from which an Oak bears
 S $26\frac{1}{2}$ ° E dist 46 lbs dia 18 in. another bears South, S $5\frac{1}{2}$ ° E
 dist 43 lbs dia 12" land rough and broken in
 little hillocks soil 3rd rate with considerable
 timber throughout the mile.

Northern Boundary

Between T. 3 $\frac{1}{2}$ S. R 14 E M.D. M.

From the cor to Tp 3 $\frac{1}{2}$ S R 14 & 15 E I run west on a random
 line between said township the var. of my compass being
 15° 30' East I set up half mile and mile posts at every 40° &
 80° planes I find the township line 6 miles 2 chs 50 ls
 and the following to be 1.27 chs South of township corner
 The correction for the true line will therefore be 21 ls
 north per mile

from the cor to township 3 $\frac{1}{2}$ S R 14 E I run S $84\frac{1}{2}$ ° E

own a true line between secs 6 & 31

Var $15^{\circ} 30' E.$

42.50 set a post for gr sec cor with mound & pits as per instructions

44.80 A pond bearing North & South

82.50 set a post for cor to secs 5, 6, 31 & 32 with mound & pits as per instructions

Land rolling Soil 2^d & 3rd rate.

S $89^{\circ} 51' E$ own a true line between secs 5 & 32

Var $15^{\circ} 30' E$

40.00 set a post for 1/4 sec cor with mound and pits as per instructions

80.00 Set a stone 22x12x8 by stone mound for cor to sec 4, 5, 32 & 33

Land rolling Soil 3rd rate.

S $89^{\circ} 51' E$ Cast own true line between Rec'd 4 & 33

Var $15^{\circ} 30' E.$

31.00 A dry creek 30 ft wide runs South.

40.00 set a stone 17x11x5 for 1/4 sec cor by stone mound.

55.60 A creek 40 ft wide running S.W. ascend.

80.00 Set a stone 20x16x9 by stone mound for cor to secs 3, 4, 33 & 34
Land mostly rolling Soil 3rd rate.

S $89^{\circ} 51' E$ Own a true line between secs 3 & 34

Var $15^{\circ} 30' E.$

40.00 Set a stone 16x15x10 by stone mound

50.00 Top of ridge descend

80.00 Set a stone 24x16x6 by stone mound for cor to secs 2, 3, 34 & 35

Land hilly Soil 3rd Rate.



~89° 51' E
Dw true line Bet. sec 2 & 3

Var. 15° 30' E

- 1.50 Ascend
- 25.00 Descend
- 40.00 Set a stone 24x8x4 by stone mound for 1st sec cor.
- 60.00 Enter timber
- 80.00 Set a stone 26x8x4 for cor to sec 1, 2, 85 & 36 From which
An Oak 24" dia bears S. 70° W 23 ft dist
" " 10" " N 40° E 62" "
Land hilly & broken
Soil 3rd rate Timber Scattering Oak

Dw a true line between sec 1 & 36

Var. 15° 30' E

- 0.00 To foot of ridge & end to a dry creek bed wide runs south
- 40.00 Set a post for 1st sec cor with mound & pit as per instruction
W.W. slope of hill
- 60.00 Top of hill descend N.E. Slope
- 76.00 Foot of hill
- 80.00 The established cor to P. 3 & 4 (south range) 14 & 15 E
Land high rolling hills Soil 3rd rate.
Timber good Oak

See 27. 1866.

Map 512

1ST STANDARD. SOUTH.

- I commence at est cor. to T.S. 5. S. R.s 6 & 7. E. Wh. cor I find standing & run thence West on true line along Northern bdy of sec 1. Var. $16^{\circ} 45'$ E. along Val. of San Joaquin
 40.00 Set post for 1/4 sec cor. made Mid with site as per mts. dep charcoal.
- 5700 Leave Val. ascend low hills
 80.00 set post for cor to secs 1 & 2. made mound. etc.
- West H.B. sec 2. V. $16^{\circ} 45'$ E.
 19.50 Base of hill, along creek bottom.
 32.25 Cross Ingram Cr. 150 chl. wide Ro. H. of E.
 38.00 Leave bottom & asc. along O. slope of hill
 40.00 Set post for 1/4 sec cor. Made Mid etc.
 80.00 Set post for cor to sec 2 & 3. Made Mid etc.
- West H.B. sec 3. V. $16^{\circ} 45'$ E.
 Ascend along broken slope of high mt ridge bears H. of E.
 33.00 Top & des, abruptly
 40.00 Set post for cor 1/4 sec made mid etc.
 42.40 Cro. ravine 16 lks wide runs S & ascend.
 80.00 Set post for cor to sec 3 & 4, made mound etc.
- West H.B. sec 4. V. $16^{\circ} 45'$ E
 6.50 Top of spur Ro. E. of S. des.
 13.80 Cr. rav. 18 lks wide runs E. of S. asc. abruptly. slope of broken rocky spur.
 18.00 Top of ridge Ro. W. E. thence along N. slope of same.

40.00 set post for 1/4 cor. made mound etc
80.00 Set post for 4 & 5 made mid etc.

West H.B. sec 5 U. 16° 45' E.

750 Desc.

30.50 Cr. ravine 15 lks wide runs S. & asc.

40.00 Set post for 1/4 S. cor.

45.00 Top of ridge Co S of W. desc along N. slope of same.

80.00 set post for 5 & 6 in Mid of rocks

West H.B. Sec 6. U. 16° 45' E

900 Cr. Br. Ingram ~~Branch~~ Cr. 50 lks Wide runs S. & asc.
high brushy knoll

18.00 Top & desc.

40.00 set post for 1/4 P. Cor. in mound of rocks

63.50 Cr. hollow - head of Mt Valley Co S.E. & asc.

*80.00 set post for cor. to T 55 R 5 & 6 E. in Mid of rocks prud

W. D. - 25" - S 53° W - 70 lks

" " - 20" - East - 161 "

No other tree convenient.

Land 3, rough & broken

Timber dead Oak & pine.

Gr. cor to Gp. 55 Rd 5 & 6 E 1 min.

West H.B. sec 1 U. 16° 45' E - asc along S slope of ridge

18.00 Top of same. Co N. of E. asc. Desc along N. slope of ridge

32.50 Cr. rav. 10 lks wide Co. H. Ascend.

40.00 set post for 1/4 sec cor. in Mid of stone fur wh.

W. D. - 30" - S 2 1/4 E - 53 lks no other tree convenient

- 56.40 Top of ridge N.S. of E. des. along N. slope of same
64.50 Cr ravine 8 lks wide runs N. ascend.
79.00 Top of ridge bears N.T.S. des.
80.00 Set post cor to sec 1 & 2 in mound of stone fr. wh.
W.O. - 22" - S 6¹/₄° E - 44 lks
" " - 15" - N 36° W - 48 "
No other tree covr. land 2. high mts. good graz. Dead Oak
- West H.B. of sec 2 V. 16° 45' E.
6.75 Top of ridge des. along N. slope of same
40.00 set post for 1st P. cor. in mid of stone fr. wh.
W.O. - 26" - S 26¹/₂° EW. 53 lks no other tree convenient
55.60 Cr ravine 10 lks wide runs N. asc.
80.00 set post for cor. to sec 2 & 3 in mid of stone fr. wh.
W.O. - 10" - S 8¹/₂° W. 1.84 lks.
" " - 27" - S 24³/₄° E - 2.71 "
No other tree convenient
Land 2. high mts. good graz. Dead Oak
- West H.B. Dec 3. V. 16° 45' E Ascend.
89.50 Top of high rocky ridge bears N. of S.E. des.
40.00 Set post for 1st P. Cor. in mound of rocks fr. wh.
W.O. - 14" - S 71¹/₂° W - 27 lks no other tree covr.
56.00 Cr rav. 20 lks wide runs N.W. asc
73.50 Top of sharp rocky spur des. along same
80.00 Set post for 3 & 4 in mid of rocks, no trees land 3
high mountains. Dead Oak.

Commenced from Stan. post T5 S R 8 & 9 E Dec 1 & 6 Being
2 chl 26 lks W. of Meridian

Var. 15° 37' East

West	on N.B. sec 1	
40.00	Set sec cor (post) stake made Md depd char. trench & pits	
80.00	Set sec cor post for 1 & 2 made Md &c. hand level soil &	
West	N.B. Sec 2	
40.00	Set gr sec stake made Md etc.	
80.00	Set sec cor post for 2 & 3 made Md &c. Hand level soil &	
West	N.B. sec 3.	
40.00	Set gr sec stake made Md etc.	
57.00	Road course S.W. & another N. held H. of pond made Md etc.	
80.00	Set sec cor for 3 & 4 - 4 pts N. of a pond made Md etc.	
West	N.B. 4th sec.	
40.00	Set 1/4 sec Cor made Md etc.	
62.00	Set meander post on rt. bank of deep slough 2 chl wide Co S.W. made Md etc Impossible to cross on st and I offset it making allowance for diverging post Wh. I set 2 chl 26 lks East fr meander post thence North in T 4 S R 8 E offset Offset	
North	Thence	
22.00		
West		
20.00	set meander post near right back of slough Co S.W. which is also on section line between sec's 8 & 9 made Mound & pits Etc	

	thence
North	Bet sec 32 & 33
18.00	set 1/4 sec stake made Md etc
58.00	set sec cor post for cor to 28, 29, 32 & 33 made Md. pits etc. Land level. Soil 3rd.
North	28 & 29
40.00	Set 1/4 sec stake made Md etc
58.00	Road Co N.W.
80.00	Set p. cor. for 20, 21, 28 & 29 Made Md. etc Land level. Soil 2.
West	Bet 20 & 29.
18.00	Road course N.W.
40.00	Set 1/4 sec cor made Md etc.
80.00	Set sec cor for 19, 20, 29 & 30 dep char etc. Land level. Soil 2
West	Bet 19 & 30
40.00	Set 1/4 sec cor. made Md etc.
80.00	Intersect W. B. of Tp. formerly run by B.B. Hayes Deputy surveyor so has N. of post. Set sec. cor. post for 19, 24, 25 & 30 Made Md Etc Land same as last.
	Continue on offset West in T. 4 S. R. 7 E. from post last set
West	Bet 24 & 25
40.00	Set 1/4 p. corner made Md etc.
80.00	Set p. cor for 23, 24, 25 & 26 Made Md etc. Land level. Soil 2.

- West Bet 23 & 26
- 40.00 Set 1st P. Cor. made mud etc.
- 51.50 Set meander post 1ch N. of Pt bk of San Joaquin R. Con 11
made mud etc Thence
- North
- 2.00 Thence
- West
- 23.50 To bk of P. J. R. set flag for triangulation crossed river
got on line raw base line South 5 pds & found angle
on flag to be 42° therefore distance across river 4 chs 52 ft
across river course N.W.
- South
- 2.00 Thence
- West
- 0.50 set sec cor for sec 22, 23, 26 & 27 made mud etc fr wh.
S.E. cor House in grayson bears $N 50^{\circ} W$. 1ch 87 lks
House now occupied by Mr. Van Beukosten Oak 36" bears
 $S 21 \frac{1}{2}^{\circ} E$. - 66 lks Mkd.
- South Bet. Secs 26 & 27
- 8.75 Road course S.E. by south.
- 40.00 Set 1st sec. Cor. made mound etc.
- 80.00 Set P. cor. for 26, 27. 84 & 85'
Land level Soil 2.
- South Bet 84 & 85'
- 40.00 Set gr sec cor made mud etc
- 80.00 Set sec cor on 1st standard south for 2, 3. 84 & 85'
Made mound etc Land same as last.

East on 1st standard fr post last set on H.B. of T 5 S R 7 E.
Sec 2.

40.00 set 1/4 sec cor made Md etc.

80.00 set P. cor. for 1, 2, 35 & 36 made Md etc.

Land level Soil 2:

— 1st P.P. R.T.E. —

East H.B. sec 1. T 5 S R 7 E.

40.00 set 1/4 P. Cor made Md etc.

63.90 Road to H. W.

80.00 Set ~~temp~~ I p cor post fr T 4 S R 7 & 8 E made Md etc. and mark post for secs 1, 6, 31 & 36

Land level Soil 2. see page 110

R 8 E 1 S.S.

East on H.B. sec 6 T 5 S R 8 E

39.42 Fence Co H & S

40.00 Set 1/4 P. Stake made Md etc.

61.00 Go Arroyo posts 50 ltrs wide C H. E. & enter low bottom land.

62.50 Pass 10 chs N. of W Brown's house

80.00 Set sec cor for 5, 6, 31 & 32 Made Md etc. Land 1.

East H.B. sec 5.

33.00 set meander post in edge of low thicket about 3 chs fr left Bk. of S. J. R. Co. H. W. from which

Bak - 61" - N 57³/₄ W 5 chs 33 ltrs marked tree Land level.

Soil 1 Some Oak timber.

T. 5 S. R. 7 E.

See page 109

Commence on N.B. of Tp. at post for secs 2, 3, 34 & 35 thence
West on N.B. of sec 3.

40.00 set 1/4 P. stake made mud pile etc.

80.00 set sec cor post for secs 3, 4, 33 & 34 made mud pile etc.
from which P.C. cor house in gray sand bears N 26° E.
Met Diablo bears N 58½° W Land level Soil 2.

West on N.B. Dec 4.

40.00 Set 1/4 P. stake made mud trench etc.

80.00 set sec cor. for sec 4, 5, 32 & 33 made mud etc.
Land level Soil 2.

West ~~Abatto~~ on N.B. Dec 5

40.00 Set 1/4 P. stake made mud etc.

80.00 Set sec cor for sec 5, 6, 31 & 32 made mud pile etc.
Land level Soil 2.

West on N.B. sec 6.

40.00 Set 1/4 S. stake made mud etc.

74.80 Road course S.W. by W.

80.00 Set 1/4 post for T 5 S R 6 & 7 E all 1/4 mile made mud &c.
Land level Soil 2.

Survey by D.W. Newell undated contr. of 3rd Apr 1854
Comm. 3d May 1854, at cor post Bet Rds 8 & 9 E. & 1/2 S 47 55'
of Mt. Diablo Base & Meridian

East 1st mile

Van 15° 25' E.

2.26 pass stand post

40.00 set 1/4 pt. st. made mid pits etc
 80.00 set sec post for secs 5+6 made mid pits, trenches etc.
 Land level soil sandy.

East over 2nd mile

40.00 set 1/4 P. cor. stake made mid pits etc.
 80.00 set sec post made mid pits trenches etc & mark at
 for secs 4+5 land & soil same as last mile

East over 3rd mile.

18.40 Grail Co. R.C.
 40.00 set 1/4 sec stake made mid pits trench etc
 77.80 Road course N.E.S.
 80.00 set sec post for secs 3+4 made mid pits etc.
 Land level. Soil sandy.

East over 4th mile

9.00 Grail Co. N.E.
 40.00 Set 1/4 S. st. made mid pits etc.
 66.60 Grail course N.E.
 80.00 Set sec post for secs 2+3 made mid pits etc.
 Land level. Soil sandy.

East over 5th mile

40.00 Set 1/4 S. st. made mid pits etc.
 80.00 Set sec post for sec 1+2 made mid pits etc
 Land level. Soil sandy.

East over 6th mile.

40.00 set 1/4 P. st made pits etc.
 80.00 Set Tp. post made mud pits etc & mark post for
 T 5 S. R 9 + 10 E. Dec 146 Land level. Soil sandy.
 Re survey of I.S.S.T. 4 S. R 9 E. See Page.

East On 1st mile.

4.52 set closing cor. made mud pits etc. Mark post
 40.00 set 1/4 S. st. made mud pits etc.
 80.00 set sec cor post for secs 5 + 6 made mud pits etc.
 Land level Soil sandy.

East On 2nd mile

40.00 set 1/4 P. stake made mud pits etc.
 80.00 set sec post for secs 4 + 5 made mud pits etc.
 Land level. Soil sandy.

East on 3rd mile

40.00 set 1/4 sec stake made pits etc
 80.00 set sec post for secs 3 + 4 made mud pits etc
 Land level. Soil sandy.

East On 4th mile

40.00 set 1/4 sec stake made mud pits etc.
 80.00 set sec post made mud pits etc. Mark post for secs
 2 + 3. Land same as last mile

East On 5th mile

40.00 set 1/4 P. stake made mud pits etc.
 78.00 Road to N.E.

80.00	Set 1/4 S. stake made mid pits etc. Land level Soil sandy
East	Bw 6th Mile
40.00	Set 1/4 S. stake made mid pits etc.
80.00	Set township post, made mid pits trenches etc, post mkd. T5S R10E 11 sec 1 & 6 Mt. Siabla bears N. 68° W A sharp peak Sierra range bears N. 13 E. Land level Soil Sandy.
East	Bw 1st Mile V. 15° 30' E
6.76	Set closing cor. made mid pits etc. Mark post
30.00	Road course S. E.
40.00	Set 1/4 P. Cor. made mid pits etc.
80.00	Set sec post for secs 5 & 6 made mid pits etc. Land level, Soil Sandy.
East	Bw 2nd Mile
40.00	Set 1/4 P. Cor. made mid pits etc.
80.00	Set sec post for secs 4 & 5 made mid pits etc Land rolling post 3.
East	Bw 3rd mile
40.00	Set 1/4 S. Cor. Sta. made mid pits etc.
80.00	Set sec post for secs 3 & 4 made mid pits trenches etc. Land rolling Soil 3.
East	Bw 4th Mile
40.00	Set 1/4 D. stake made mid pits trenches etc.

80.00 set sec post, for secs. 2+3 made mud pits etc
hand rolling Soil 3.

East On 5th mile

40.00 Set 1/4 sec stake made mud pits etc.

80.00 Set sec. cor. post for secs 1+2 made mud pits etc
hand rolling, soil poor.

East On 6th Mile

40.00 Set 1/4 sec stake made mud pits etc.

80.00 Set 1/4 p. post made mud pits trencher & depd charcoal.
Mark post for T. 5 S. R 11 + 12 E. sec 1+6

A sharp pointed hill bears N. 20° E A high peak
on back range bears N $81\frac{1}{4}^{\circ}$ E

hand rolling Soil 3rd rate.

East On 1st mile

Var $14^{\circ} 30'$ E

9.02 set closing corner post Made mud pits trench etc.

Mark post for T 4 S R 11 + 12 E sec 3 + 3 6

35.50 Cr. little cr. 10 lks wide C. S.

40.00 Set 1/4 p. stake made mud pits etc.

80.00 set sec cor for secs 5+6 made mud pits trencher etc
hand rolling Soil 3.

East On 2d mile

40.00 Set 1/4 S p. stake made mud pits etc.

80.00 set sec post for secs 4+5 made mud pits etc.

hand rolling Soil 2. some fine bunch grass

East

On 3rd Mile

13.10 Road Co N.E.

40.00 Set 1st P. stake made mid pits etc.

80.00 Set sec post for secs 3 & 4 made mid pits trench etc
Hand rolling Soil 3rd rate.

East

On 4th mile

40.00 Set 1st P. P. made mid pits trenches etc

80.00 Set sec cor for secs 2 & 3 made mid pits trenches etc
Hand. rolling Soil 3.

East

On 5th Mile

40.00 Set 1st P. stake made mid pits etc

80.00 Set sec stake for secs 1 & 2 Made mid pits etc
Hand rolling Soil 3rd rate.

4000 ft. 1000 ft. 2000 ft. 3000 ft.

TOWNSHIP 4 SOUTH, RANGE 7 EAST

On Western Bdy of T4S R7E.

Commenced on 1st standard S. Mt Diablo base ~~with~~ at post set for T4S R6+7E Dec 31 + 36

Nor 15° 50' East

North on Western Bdy of sec 31

8.000 set sec cor post for secs 25, 30, 31 + 36

Made mound pits trenches & depd charcoal as per instruc

North on Western Bdy of sec 30

40.00 set gr sec stake made mound pits trenches & depd charcoal.

80.00 set sec cor post for secs 19, 24, 25 + 30

Made mound pits trenches & depd charcoal.

Hand level. Soil 2^d rate.

North on Western Bdy of sec 19

cross bed of a small creek 5 lbs wide course N.E. by E.

40.00 set gr sec stake made mound pits trenches & depd charcoal.

43.10 P. another branch of dry creek 5 lbs wide Course N.E.

Same creek course of N.W. by N.

P. 1st branch of creek course N.W.

Across same creek course N.E.

80.00 set sec cor post for secs 13, 18, 19 + 24

Made mound pits trenches and depd charcoal as required
per instructions Hand level Soil 2^d rate.

North on Western Bdy of sec 18

40.00 set gr sec stake made mound pits trenches & depd charcoal

80.00 Set sec cor post for secs 7, 12, 13 + 18. made mound
pits trenches & depd charcoal as per instructions

Land level Soil 2^d rate

- North on Western Boundary of sec 7
 12.10 Dry ravine so the wide course N.E.
 17.00 Trail course E.W.
 22.10 Road course N.W. & S.E.
 40.00 set 4th sec stake made mound pits trenches and
 deposited charcoal
 80.00 set sec cor post for secs 1, 6, 7 & 12
 made mound pits trenches and deposited charcoal.
 as required per instructions
 Land level Soil 2^d rate.

North on West Bdy of sec 6

Nav. $15^{\circ} 50' E$

- 16.75' Trail course E & W
 39.60' Trail course E & W.
 40.00' set 1/4 sec stake made mound pits trenches & deposited charcoal
 80.00' set 1st cor post for Twp. 3 & 4 S R 6 & 7 E. & secs 1, 6, 31 & 36
 Made Mld with pits & trenches and deposited charcoal. as per
 insts I now which Judge Sean's House bears $11^{\circ} 30' E$
 Mt Diablo peak bears $11^{\circ} 68' W$
 Land level. soil 2^d rate.

TOWNSHIP 4 SOUTH, RANGE 7 EAST

commenced on 1st standard south at Mt Diablo base at post set for Tps 48 S.R. 78 E.

Var. $15^{\circ} 45' E$

north on West Bdy of sec 31

40.00 set 1/4 sec stake made mound pits trenches & depd charcoal.

80.00 Set post for cor to secs 25, 30, 31 & 36 made mound pits & trenches and depd charcoal. From which bears.

An Oak tree 32 in dia bears $S 14^{\circ} 44' E$ 1.27 chs

" " 40 " " $S 41^{\circ} 30' W$ 1.69 "

This post is also set for meander post on edge of low overflowed land near the left bank of the San Joaquin River. Found it impossible to continue the line I therefore cross the river and commenced at sec cor. set for secs 19, 24, 25 & 30. and ran

South between secs 25 & 30

Var $15^{\circ} 45' E$

29.00 set meander post 1ch north of a post & 2 chs so the N. of a branch of San Joaquin river made mound pits trenches and depd charcoal

An Oak 32 in dia bears $2136^{14} E$ 4.25 chs

" " 40 " " on right bank of San Joaquin River bears $S 78^{\circ} 44' W$. 2.50 chs dist. Marked trees for Range & Tp & sec Mr Bell's House bears $S.63^{\circ} W$. 2 chs dist

Commenced on west Bdy of Tp. from cor post set for secs 19, 24, 25, & 30

North on West Bdy of sec 19

Var $15^{\circ} 45' E$

40.00 Set 1/4 sec stake made mound pits trenches and depd.

120

Road course E.W.

set sec cor post for secs 13, 18, 19 & 24 made mound pits
trenches and depd charcoal as per mts
land level. Soil 2^d rate.

North on West Bdy of sec 18

Var 15° 45' E

40.00 set 1st sec stake made mound pits & trenches
and depd. charcoal

60.00 Descend from plains to bottom land

80.00 set post for cor to secs 7, 12, 13 & 18 made mound pits
and trenches and depd charcoal as per mts
land last to chs Bottom land

Soil 1st rate

North on West Bdy of sec 7

35.00 set meander post near left bank of Tuol R. course
of river N.W. by W. made mound pits trenches
and depd charcoal land low and subject to
overflow during time of freshets

I found it impossible to cross the river at this point
on account of the high stage of the water

I therefore discontinued the line and commenced
on the eastern Bdy of Tp. from the post set for
Tp. 3 & 4 S.R. 8 & 9 E.

TOWNSHIP 4 SOUTH, RANGE 8 EAST

South in Tp 3 S. Bet Rgs 8 & 9 E.

On south mile

- 80.00 Set Tp post for tps 3+4 S. Rgs 8+9 E Secs 1, 6, 31 & 36
made mound pits & trenches & depd Charcoal
From which a high peak of the Sierra Range &
bears N. 35° E
Another peak of same range & bears S. 29° E.
land low, soil sandy
-

From Tp post set for Tps 3+4 S. Rgs 8+9 E Gravel

South on 1st mile

Var 15° 30' E.

- 40.00 Set 1/4 sec stake made mound pits & trenches & depd charcoal.
Outer bottom land, fine Oak timber
80.00 set post for cor to secs 1-6-7+12 made mound pits & trenches
& deposited charcoal as per note.
Land level Soil 2^d rate.

South on 2nd mile

Var 15° 30' E

- 2.60 Go Tuolumne River
Cross river, course West.
40.00 Set 1/4 sec stake made mound, pits trenches & depd charcoal.
Set post for corner to secs 7, 12, 13 & 18 made mound pits
trenches & depd. charcoal
Land level Soil 2^d rate.

South on 3rd mile.

Var 15° 30' E.

- 40.00 Set 1/4 sec stake, made, buried, mound pits & trenches
and deposited charcoal
- 80.00 Set post for cor to secs 13, 18, 19, + 24, 25, + 30 made mound
pits & trenches & deposited charcoal
Land level Soil sandy

South, on 4th Mile

(Var. 15° 30' E.

- 40.00 Set 1/4 sec stake made mound pits & trenches and depd Charcoal
- 80.00 set post for cor to secs 19, 24, 25 + 30 made mound pits &
trenches & deposited charcoal.
Land level Soil Sandy.

South, on 5th Mile

(Var 15° 30' E.

- 40.00 Set 1/4 sec stake made mound pits & trenches and depd
charcoal
- 80.00 Set post for cor to secs 25, 30, 31 + 36 made mound pits
& trenches and deposited charcoal.
Land level, Soil Sandy

South on 6th Mile

(Var. 15° 35' E

- 40.00 Set 1/4 sec stake - Made mound, pits, trenches and depd
charcoal
- 80.00 Set P. post for Ipsi + S. R 8 + 9 E (secs 31 + 36. Made Md.
pits, trenches + depd charcoal, as per insts.
From which Mt Diablo bears N. 65° W

FOUR MILE 4 SOUTH, RANGE 9 EAST

a high peak Sierra range bears $11.32\frac{1}{2}^{\circ}$ E.

Land level Soil sandy.

Commenced at post set for Tps 4+5 S. R. 8+9 E
& Run

West

2.26 Set correction post for Tps 4+5 S. Recs 1+6
made around pits & trenches and deposited charcoal.
Marked post S.C.

Re survey of exterior lines Tp 4.5 R 9 E

Survey of exterior lines commenced May 24, 1854
On Eastern Bdy of Tp. 4.5 R 9 E

North from the closing corner
On 1st Mile

Van $15^{\circ} 30'$ E.

40.00 Set '4 sec stake made mound pits trenches & deposited charcoal.
80.00 Set sec post for recs 25, 30, 31 & 36 made Mld. pits trenches and
depd charcoal.

Land level Soil sandy.

North on 2^d mile.

Van $15^{\circ} 10'$ E.

40.00 Set '4 sec stake made mound pits trenches & depd charcoal.
as per instructions
80.00 Set sec post for recs 19, 24, ~~25~~²⁵ & 30 made mound pits and,

trenches and deposited charcoal, as per instructions
Land level Soil sandy

North on 3rd Mile Var 15° 10' E

- 40.00 Set $\frac{1}{4}$ sec stake made mound pits and trenches and
trenches and depd charcoal
- 80.00 Set sec post, for secs 13.18.19+24 made mound, pits & trenches
and deposited charcoal, as per instructions
Land level Soil sandy

North on 4th Mile

Var 15° 10' E

- 40.00 Set $\frac{1}{4}$ sec stake made mound pits and trenches and depd charcoal.
- 80.00 Set sec post for secs 7-12-13-18 made mound pits trenches
and deposited charcoal as per instructions
Land level Sandy soil.

North on 5th Mile

Var 15° 10' E

- 40.00 Set $\frac{1}{4}$ sec stake made mound pits, trenches & depd charcoal
- 80.00 Set sec post for secs 1-6-7+12 made mound with pits
& trenches and deposited charcoal. as per instructions
Land level Soil sandy.

North on 6th Mile

Var 15° 10' E.

- 8.00 Road course S.W. by W
- 24.00 " " E & W
- 26.00 To bank of Tuolumne river set meander post

TOWNSHIP 4 SOUTH, RANGE 10 EAST

- Made mound pits trenches and deposited charcoal. Set flag on opposite side of river on true line. Thence from M. P. ran a base line at right angles West 13 chs 38 lbs and found my flag to bear 45° . Therefore the distance from meander post to flag across river equal base viz. 13 chs 38 lbs
 29.38 set witness $\frac{1}{4}$ sec stake which also answers for meander post made mound pits trenches and deposited charcoal course of river S.W. by West
 80.00 Set T.P. post for Lps 3 & 4 S. Rgs 9 & 10 E (Secs 1, 6, 31 & 36) made mound pits trenches and deposited charcoal.

Commenced on 1st standard South W. Sable Base Meridian from correction post being 6 chs 76 lbs East of standard corner and run

North on 1st mile on E.B. of sec 36

(Var $15^{\circ} 25' E$)

15.00 Road course W by N.

40.00 Set $\frac{1}{4}$ sec stake, made mound, pits, trenches & depd charcoal.

80.00 Set sec cor for secs 25, 30, 31 & 36 made mound, pits, trenches and deposited charcoal as per insts

Land level Soil sandy.

North on 2d mile E.B. of sec 25'

(Var $15^{\circ} 25' E$)

22.50 Road course N.W. by W.

40.00 Set $\frac{1}{4}$ sec stake made mound, pits & trenches and depd charcoal.

80.00 Set sec cor for secs 19-24-25-30 made mound with pits

and trenches and deposited charcoal.

Land level (Sand/Soil).

North on 3 mile (E.B. of sec 24)

Var. $15^{\circ} 25' E$

- 40.00 Set 1/4 sec post stake with mound pits &c. depd charcoal
 80.00 Set post for secs 10-18-19 & 24 made mound. pits &c
 and deposited charcoal.

North, on 4 th Mile E.B. of sec 13

Var $15^{\circ} 25' E$

- 40.00 Set 1/4 sec stake, made mound pits and trenches and depd charcoal.
 80.00 Set sec post for secs 7, 12, 13 & 18 made mound pits trenches and deposited charcoal ad per instructions
 hand level Soil 3rd rate.

North on 5 th Mile (E.B. of sec 12)

Var $15^{\circ} 25' E$

- 40.00 Set 1/4 sec stake made mound pits and trenches and depd charcoal
 80.00 Set sec post for secs 1, 6, 7 & 12 Made mound pits trenches and deposited charcoal
 hand level Soil 3rd rate.

North on 6 th Mile E.B. Sec 1.

Var $15^{\circ} 25' E$.

- 25.50 A road course N.W. By W
 33.00 set Meander post on left bank of Quo. River set

TOWNSHIP 4 SOUTH, RANGE 11 EAST

flag on opposite side of river thence ran a base line at right angles 6 chs 37 lds and found angle on flag to be 45° therefore distance from meander post to flag equal base 6 chs 37 lds

- 39.37 set meander post on right bank of Twp. R. made mound pits trenches and depd charcoal. (course of river West.)
- 40.00 set 1st sec stake made mound pits trenches & depd charcoal.
- 80.00 set sec post for secs 1-6 - 31+36 T3+4 S R10+11 E.
Made mound pits trenches & depd charcoal.

Eastern Boundary of Twp. commence on 1st standard Beta R11 S12 E
T. 4. S. 5. S.

From closing corner

North on 1st mile Var $14^{\circ} 15' E.$

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
- 80.00 set sec post for secs 25, 30, 31+36 made mound pits trenches & depd charcoal

Land rolling Soil 2^d rate.

North on 2^d mile

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
- 80.00 set sec post for secs 19, 24, 25, 30 made mound pits trenches and deposited charcoal
- * Land rolling Soil 3^d rate.

North on 3^d mile. Var $14^{\circ} 43' E$

TOWNSHIP 4 SOUTH, RANGE 12 EAST

- 40.00 Set gr sec stake made mound pits trencher & depd charcoal.
80.00 Set sec post for secs 13, 18, 19 & 24 made mound pits trench & deposited charcoal.

Land rolling soil sandy

North on 4th mile

- 40.00 set gr sec stake made mound pits trencher & depd charcoal.
80.00 Set sec post for secs 7, 12, 13 & 18 made mound pits trencher & depd charcoal, as required per instr.

Land rolling soil sandy.

North on 5th line

- 40.00 set gr sec stake made mound pits trencher & depd charcoal
80.00 set sec post for secs 1, 6, 7 & 12 made mound pits trencher and depd charcoal
Land rolling - Dail Sandy.

North On 6th Mile

- 40.00 Set gr sec stake made mound pits trencher & depd charcoal.
80.00 Set township post for T 34 S R 11 & 12 E secs 1, 6, 31 & 36.
Made mound pits trencher & depd charcoal. as required per instructions

Land rolling Sandy Soil

Eastern Bdy of Tp. 4 S R 12 E.

Commence at closing corner set out lat standard parallel South Mt diablo B & M. from post set for T. 4. S R 12 & 13 E secs 31 & 36

North on 1st mile Var $14^{\circ} 45' E$

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
80.00 set sec post for secs 25, 30, 31 & 36 made mound pits trenches and deposited charcoal

hand rolling soil 3rd rate.

North on 2nd mile

- 40.00 set gr sec stake made mound pits trenches & depd charcoal
80.00 set sec post for secs 14, 24, 25, 26 made mound pits trenches & depd charcoal.

hand rolling soil 3rd rate.

North on 3rd mile Var $14^{\circ} 55' E$

- 40.00 set gr sec stake made mound pits trenches & depd charcoal
57.00 To Mariposa road Course R.C.
80.00 set sec post for secs 13, 18, 19 & 24 made mound pits trenches & deposited charcoal. Hand rolling soil 3rd rate

North on 4th mile Var $15^{\circ} 00' E$

- 40.00 set gr sec stake made mound pits trenches & depd charcoal.
80.00 set sec post for secs 7, 12, 13 & 18 made mound pits trenches & depd charcoal hand rolling soil 3rd rate.

North on 5th mile Var $15^{\circ} 10' E$

- 40.00 set gr sec stake made mound pits trenches & depd charcoal
80.00 set sec post for secs 1, 6, 7 & 12 made mound pits trenches and deposited charcoal hand rolling soil 3rd Rate

North 6th Mile Var $15^{\circ} 15' E$.

SECTIONSHIP 5 SOUTH, RANGE 5 EAST

4000 set up stake made mound pits trench & depd charcoal
 8000 set Tp post for T 3 & 4 S R 12 & 13 E. secs 1, 6, 31 & 36 made
 mound pits trenches and depd charcoal
 hand rolling soil 3rd rate.

West Bdy Tp. 5 S. Range 5 East N. D. M.

From the established corner to the 1st standard parallel.
 South to Tps. 4 & 5 South, Rgs 4 & 5 E., I run
 South on the West bdy of sec 6

Nav. $16^{\circ} 45' E$

Descending

- 16.70 Intersect post cor. Tp. tps 4 & 5 S. R. 4 E.
 20.00 Enter mountain valley
 22.50 Cross coral hollow creek near the head 15 lbs wide
 Course S. of W. Ascend.
 36.70 Set a post for 1/4 sec. cor. on E. Boundary (sec. 1, T. 5 S. R. 4 E., few lbs)
 A pine 11 in. diam. bears N. $71\frac{3}{4}$ W., 25 lbs. dist
 no other tree convenient to mark made mound with pits
 as per inst. deposited charcoal.
 77.40 Top of Ridge bears E & W.
 80.00 Set a cor post for cor. to secs. 6 & 7. made mound with
 pits as per instructions: deposited charcoal: from which
 A White Oak 18 in dia. bears S $18\frac{3}{4}$ E 241 lbs dist
 no other trees convenient to mark

South on West Bdy sec 7.

Nav. $16^{\circ} 45' E$

- 16.70 A ravine 9 lbs. wide, runs S of West.

set a post for cor. to secr. 1 & 12, T. 5 S., R. 4 E. from which
a white Oak 19 in diam bears N. $84\frac{1}{4}$ ° W., 83 lbs. dist.

" " " 14 " " " S. $60\frac{1}{4}$ ° W., 41 "

21.00 Top of ridge bears S. E. and N. W.

56.70 Set a post for 14 sec. cor. on east Bdy of sec 12 T 5 S R 4 E from wh.
A white Oak 23 in. diam. bears S. $38\frac{3}{4}$ ° W. 67 lbs. dist

" " " 22 " " " S. $8\frac{1}{4}$ ° E. 97 "

62.50 Descend through brush

68.00 Cross ravine 6 lbs wide, run S. Ascend.

74.60 Top and descend

80.00 Set a post for cor. to secr. 7 & 18 in a mound of rocks
no trees convenient to mark

(South on West Bdy. of sec 18

Vari 16° 45' E

84.00 A ravine 8 lbs. wide, runs S. of E. Ascend along E. slope of ridge
Set a post for cor. to secr. 12 and 13, T. 5 S., R. 4 E., in a rock mound
A white Oak ~~bear~~ 30 in. diam. bears S. $41\frac{3}{4}$ ° E., 29 lbs. dist.
no other tree convenient.

56.70 Set a post for 14 sec. Cor. on the E. Bdy of sec. 13, T. 5 S., R. 4 E
A white Oak 5 in. diam bears N. $14\frac{3}{4}$ ° W., 27 lbs. dist
W pine 15 in diam. bears N. 40 ° E. 78 lbs. dist

68.50 Cross a ravine 6 lbs. wide, runs N. of W. ascend.

77.50 Top of ridge. Enter brush. Descend.

80.00 Set a post for cor. to secr. 18 and 19 in a mound of rocks
no trees convenient to mark.

Sec 2, 1870

South on West Boundary of sec 19

Var. 16° 45' E

- 4.75 A ravine 6 lbs, wide, runs SW. ascend
 16.70 set a post for sec. cor. to secs. 13 & 24 T 5 S. R. 4 E. on top of
 a bushy ridge bears E & W. in a mound of rocks
 Descend
 44.75 A ravine 10 lbs. Wide, runs N of S. ascend
 56.70 set a post for 1/4 sec. cor. on the E. Bdy. of sec. 24, to
 T. 4 S., R. 4 E. in a mound of rocks
 80.00 Top of ridge bears E. and W. Descend.
 set a post for cor. to secs. 19 & 30 in a mound of rocks

South on the West Boundary of sec 30

Var 16° 45' E.

- 16.70 set a post for cor. to secs. 24 & 25, T 5 S., R. 4 E., in a mound of rocks
 25.50 A ravine 10 lbs wide. runs W. ascend.
 43.00 Top of spur runs E & W. Descend
 56.70 set a post for 1/4 sec. cor. in a mound of rocks on the E.
 Boundary of sec. 25, T. 5 S. R. 4 E.
 68.00 A ravine 6 lbs wide runs S. of W. ascend
 80.00 set a post in a mound of rocks for cor. to secs. 30 & 31
 no trees convenient to mark

South on West Boundary of sec 31

Var 16° 45' E

- 5.00 Top of a high mountain ridge E. & W.
 16.70 set a post for cor. to secs. 25 & 26, T. 5 S. R. 4 E. in a mound
 of rocks from which

TOWNSHIP 5 SOUTH, RANGE 5 EAST

A scrub Oak 4 in. diam. bears $\approx 0^{\circ} 14'$, 10 lba. dist
 " " " 3 " " " N $82\frac{3}{4}^{\circ}$ W, 14 lba dist
 Sec 3" 1870.

in consequence of a dense mass of impenetrable elephant grass
 it is impracticable to extend this line.

____ North Bdy T 6 S.R. 5 E & S Bdy T 5 S.R. 5 E. ____

West on a true line between secs 35 & 1 (Var $16^{\circ} 45' E$)

Ascend E. slope of high broken ridge

21.60 Top of same bears N.E. & S.W. descend
 32.50 A ravine 9 ls wide runs N.E. ascend
 40.00 Set a post for 1/4 sec. cor in a rock and from which a W.C. 20" dia bears
 $N 10\frac{1}{4}^{\circ} E$ 42 ls dist no other tree convenient.

43.00 Top of spur bears N.E. & S.W. descend

52.50 A ravine 8 ls wide runs E & W. ascend along N. slope of Mtn

80.00 Set a post for cor to secs 35 & 36-142 from which
 A W.C. 16 in dia bears $\approx 23\frac{3}{4}^{\circ}$ E 33 ls dist

" " " 13 " " " N $44\frac{1}{2}^{\circ}$ W 90 lba dist

" " " 9 " " " N $47\frac{1}{2}^{\circ}$ E. 75 " "

no other tree convenient land high rough & broken timber Oak & pine

West on a true line between secs 35 & 2

13.50 Top of ridge bears N.W. descend.

37.80 A ravine 15 lba wide runs S.E. ascend along S. slope of ridge
 set a post for 1/4 cor in a mound of rocks from which
 A W.C. 24" dia bears $\approx 80\frac{1}{4}^{\circ}$ E 40 lba dist

No other tree convenient

80.00 set a post for cor to pass 34, 35, 273 in a m'd of rocks
no tree convenient to mark land and rate slight
broken rough timber scattering Oak & pine

West Between 34 & 3.

Ascend along North slope

22.70 summit of high ridge runs W & S off E. descend along S. slope

40.00 set a post for 1st sec cor in a m'd. of rocks, no tree convenient
to mark

65.00 A ravine 10' wide runs S.W. ascend & enter chasm

67.50 Top of spur bears S. descend

80.00 Set a post for cor. to pass 33, 34, 374 on S. side of a large
flat rock in a m'd of rocks no tree convenient to mark
land rough broken & rocks Timber none See 5-1870

West bet. secs 33 & 4

Along S. slope of ridge thro dense chasm

40.00 set a post for 1st sec cor in a m'd. of rocks from which a
W. B. 22" dia. bears N. 46° 2' W. 58 ft dist.

No other tree convenient to mark

79.00 ~~left~~^{over} chasm.

80.00 set a post for cor to pass 33, 32, 475 in a m'd of rocks
no trees convenient. Land 3rd rate
broken rocky ridge Timber none

West Beta sec 32 & 5'

Along S. slope of open ridge

23.00 descend

40.00 set a post for 1st sec cor in a m'd. of rocks

64.00 cross N. fork of arroyo Puerto 25' wide course S.E. ascend thro channel
 10.20 Top of spur runs S. of E. leave channel descend
 25.00 A creek 80' wide runs S.E. ascend
 40.00 marked W.W. 8" dia for $\frac{1}{4}$ sec cor.
 58.50 Top of ridge bears N.W. & S.E. descend.
 80.00 set a post in mud with pile as per instructions depd charcoal in
 same for cor to sec 29 & 30, 31 & 32 from which
 A.W.O. 9" dia bears N $77\frac{1}{2}^{\circ}$ W 148' ls dist
 " " 20" " N $23\frac{1}{2}^{\circ}$ E 61" "
 " " 10" " S $69\frac{1}{2}^{\circ}$ E. 88" "
 Land 1st part brushy last Open timber scattering Oak Pine

West on a Random line bet sec 30 & 31

Var $16^{\circ} 45'$ E.

40.00 set a post for temp $\frac{1}{4}$ sec cor
 43.20 Cross branch of arroyo Puerto 40' wide runs S.E. ascend
 102.50 Top of ridge bears N.W. & S.E.
 115.89 Intersect N. bdy of Tp. 73' S. of post cor to sec 30 & 31 from
 which cor I run S 89° East on a true between sec 30 & 31
 75.89 set a post for $\frac{1}{4}$ sec cor in a mound of rocks for which
 A.W.O. 21" dia bears N $28\frac{1}{4}^{\circ}$ E 27' ls dist,
 no tree convenient
 The cor to sec 29, 30, 31 & 32 land and water high open &
 rolling Good grazing Timber Oak Pine

Dec 6. 1870

Joseph Cloud contractor

W.W. Skinner Comptroller

Bass & Clark Chmnman

E.P. Gann

Geo Freeman Atman

5 COUNTY, RANGE 5 EAST DD

Between Range 5 & 6 East, Township 4 South W.D.M.

South on true line along the east boundary of sec 36
T. 4. South, Rgs 5 & 6 E

Var $17^{\circ} 00' E$

- 79.30 Intersect 1st standard parallel south, 4.94 chs west of
cor to T. 5 S., Rgs 5 & 6 E
Set post for cor to T. 4 S., Rgs 5 & 6 E, in stone mound from wh.
A White Oak 35 in. in diam. bears S $24^{\circ} 44' E$ dist 1.13 chs
" " 24 " " " N $50^{\circ} 34' E$. 1.97 chs dist
no other tree convenient to mark

Oct 22, 1870

T. 5 S. Rs. 5 & 6 E. M.D.M.

Begin at the cor on the 1st standard parallel south to
T. 5 S. Rs 5 & 6 E, and run thence

South on a true line along the west bdy of sec 6

Var $16^{\circ} 45' E.$

- Ascend spur of ridge
Top bears E & W. Descend
9.50 Cross ravine 8 lbs. wide, runs E. Ascend
24.50 Top of ridge bears E & W. Descend
33.50 Cross ravine 6 lbs. wide, E. Ascend
40.00 Set post for 1/4 sec. cor. made mound with pits as in-
structed; deposited charcoal
69.50 Cross Lugram creek 15 lbs. wide, runs N.E.
Ascend timbered ridge
80.00 Set a post for cor to secs. 6, 7, 1 + 12 from which.
A white Oak 13 in dia bears S $65^{\circ} 34' E$, 93 ft dist
" " " 17 " " " N $55^{\circ} 12' W.$, 138 " "

A white Oak 18 in. diam. bears N. 73 $\frac{1}{4}$ ° E. 35 lbs. dist
no other tree convenient to mark

South on true line along West Boundary of sec 7

Var. 16° 45' E.

- 25.00 Top of high mountain ridge bears S.W. descend
set a post for 1/4 sec cor made mound with pits as per
instructions; deposited charcoal. no bearing trees
Enter low ravine.
Descend abruptly.
58.00 cross ravine 9 lbs. wide, course E. leave ravine. ascend
timbered ridge
80.00 set post for cor to secs. 12, 13, 7 & 18, from which
a white oak 17 in diam. bears S 46° E. 67 lbs. dist
" " 20 " " N 84 $\frac{1}{2}$ ° W 77 " "
no other tree convenient to mark. made mound
with pits as per instructions

South on a true line along West Bdy of sec 18.

Var. 16° 45' E

- 87.5 Top of high mountain ridge bears S.E. descend.
197.5 cross ravine 10 lbs wide course S. of E. ascend.
29.50 Top and descend
36.00 cross ravine 7 lbs. wide P.E. ascend
40.00 set a post for 1/4 sec cor in mound with pits as per instructions
from which
a pine 22 in. diam bears N. 83 $\frac{3}{4}$ ° E. dist 100 chain
no ~~tree~~ other tree convenient to mark

70.00 Top of ridge bears E & W. descend through cleared
80.00 set a post for cor. to sec. 18, 19, 13 & 24. made mound
with pits as per inst. deposited charcoal.

South on a true line along sec 19

Var $16^{\circ} 45'$ E

450 cross ravine 6 lks. wide. course E. Ascend

27.50 Top of ridge - divide between Ingram & hospital. Co.
N. W & S. E.

30.00 Descend

37.40 cross ravine 5 lks. wide. course W. Ascend

40.00 set post for '4 sec cor from which a
White oak 17 in. diam bears P. $48 \frac{1}{2}$ W., 64 lks dist
" " 9 " " " S $45 \frac{1}{2}$ E., 50 " "

43.50 Top of hill and descend

70.50 cross ravine 8 lks. wide, S. of W. ascend

80.00 set a post for cor. to sec. 19, 30, 24 & 25 from which
A pine 4 ft in diam. bears W. 80° W. 89 lks dist
" " 18 in. " " " S $42 \frac{1}{2}$ W 108 " "

A W. Oak 28. " " " S $40 \frac{1}{2}$ E 87 " "

No bearing tree convenient, made mound with pits as
per instructions

* Oct 24. 1870

South on a true line along the west boundary of sec 30.

Var $16^{\circ} 45'$ E

Descend high rolling hills

40.00 set a post for '4 sec cor in mound of rocks
Cross a ravine 6 lks wide. course W. Ascend.

TOWNSHIP 5 SOUTH, RANGE 6 EAST

70.50 Top of ridge north west & S.E. descend
 80.00 Set a post for cor. to sec. 20, 31, 25 & 36. Made mound with
 pits as per insts; deposited charcoal, from which
 A White Oak 12 in diam bears N. $89^{\circ} E.$, 29 lks dist;
 no other bearing trees convenient.

South on true line along the west bdy of sec. 31

(Var $16^{\circ} 45' E$)

4.50 Cross prairie, 10 lks. Wide, P. of W. ascend
 15.40 Top of ridge S & W descend
 40.00 Set a post for "4 sec cor made mound with pits as per
 instructions Deposited charcoal in mound.
 74.50 cross deep canon creek, branch of "Arroyo de Puerto"
 50 lks wide. Course S.E.
 80.00 Set a post for cor. to Township 5 & 6 South, Range 5 & 6
 east in a mound of rocks on right bank of creek
 no trees convenient

Oct 25th 1870

South Boundary T. 5 SR 6 E. M.D.M.

From the cor. to T. 5 & 6 S, R 5 & 6 E, I run

East on sand and lime bet said townships

(Var. $16^{\circ} 45' E$)

I set temp mile & 1/2 mile posts at 40 and 80.00 chs. I find
 the Tp. line to be 6 miles and 54 lks and the falling
 to be 2.40 chs. North of the cor. to Tp. 5 & 6 S. Rs 6 & 7 East,
 the correction for the true line will therefore be
 54 lks. East and 40 lks. South per mile

Oct 25 & 26 1870

From the cor. to Tps 5+6 South Rgs 6+7. S. Run
West on a true line between secs. 1+36

Var. $16^{\circ} 28' E$

ascend along north slope of hill

- 13.50 Top and descend
- 28.50 To right bank of El Puerta creek
- 29.50 Left bank runs North and along creek bottom
- 30.40 W road running N+S
- 32.00 Leave bottom and ascend
- 37.60 Top and descend sloping bench
- 40.00 Set a post for 1/4 sec. cor. in a mound of rocks from which
a White Oak 13" dia bears S $77^{\circ} 44' W.$, 102 lbs dist.
no other trees convenient
- 48.50 Descend abruptly
- 50.50 Enter creek bottom. Left bank of arroyo Del Puerta
bears S.E.
- 54.50 Right bank along creek bottom
- 60.00 W road N of creek and S. of E.
- 61.20 Leave creek bottom and ascend N. slope of ridge
- 80.00 Set post for cor. to secs. 1, 2, 35+36 Made mound
With pits as per instructions Deposited Charcoal.

West on a true line bet secs 2+35

- 15.00 ~~Top~~
Top of spur bears N. Descend.

Var $16^{\circ} 28' E$

- 20.50 Cross ravine 6 lks wide course E. of N. ascend
summit of ascent and along N. slope
- 35.50 Set a post for 1/4 sec. cor. from which

- A white Oak 20 in diam bears N. $79^{\circ}W.$ 122 lbs dist
 " " " 25 " " S $46\frac{3}{4}^{\circ}W$ 75 " "
 50.30 Descend.
 61.75 Enter creek bottom
 66.00 Right bank of Puerto Creek
 68.50 Left bank of same bears N. E.
 69.60 A cabin 50 lbs. N. of line
 Leave creek bottom and ascend.
 80.00 Set post for sec. 3, 2, 3 & 34. ~~marked around with pots~~
~~at per instructions, deposited charcoal~~
 From which.

~~West on a true line Bet. Secs. 27 & 35~~

Var. $16^{\circ} 28' E.$

- 15.00 Top of spur bears N. Second
 20.50 Cross ravine 6 lbs wide, coarse. E. of it ascend.
 25.50 Summit of ascent and along N. slope
 40.00 Set a post for 1st sec. cor., from which.
 A white Oak 14 in. diam. bears N. $55^{\circ}W.$ 80 lbs dist

" " " 30 " " N. $3\frac{1}{4}^{\circ}E.$ 119 " "
 " " " 6 " " S $45\frac{1}{2}^{\circ}W.$ 87 " "

No other tree convenient.

³⁴
West on a true line Bet. secs 34 & *

Var. $16^{\circ} 28' E$

- 21.50 Top of hill. Descend
 39.60 Cross a ravine 5 lbs wide. S. Ascend
 40.00 Set a post for 1st sec. cor. in mound of rocks
 no bearing trees
 44.00 Top of ridge running N & S. Descend

- 52.50 cross creek 16 lbs. Wide S. ascend
 56.00 Top of ridge bears S. descend
 65.00 Cross ravine 5 lbs. Wide S.E. Ascend.
 80.00 set a post for cor. to pens. 3.4.33 & 34
 A white Oak 15 in. diam bears S. $66\frac{3}{4}^{\circ}$ W. 17 lbs. dist
 " " " " N $48\frac{1}{4}^{\circ}$ W. 36 "
 " " " " " N $87\frac{3}{4}^{\circ}$ E. 60 "
 No other tree convenient

Oct. 27. 1870

West over a true line Bet. secs. 4 & 33.

Var. $16^{\circ} 28' E$

- 7.50 Top and descend.
 7.70 Cross ravine 6 lbs wide, S. Ascend.
 12.50 Top of spur bears S.E. descend.
 23.75 Cross ravine 8 lbs. Wide runs S. Ascend.
 40.00 set a post for 4 sec. cor. in a rock mound.
 No trees convenient
 42.00 Top of ridge bears S.E.
 descend along south slope of broken rocky ridge.
 73.60 Cross ravine 7 lbs wide course S. Ascend.
 80.00 Set a post for cor. to pens 4, 5, 32 & 33 in a rock
 mound from which
 A white oak 12 in. diam. bears N. 35° W. 100 lbs. dist
 No trees convenient.

West over a true line bet. secs. 5 & 32

Var. $16^{\circ} 28' E$

- ~~12.50 Set a post for 4 sec. cor. in a mound of rocks~~

- 12.50 Top of ridge bears N.W. and S.E. Descend
 40.00 set a post for 1st sec. cor. in a mound of rocks, from
 which
 A pine 23 in. diam. bears N. 6° W., & the dist.
 no other tree convenient,
 42.40 cross ravine 20 lbs Wide. S. Ascend.
 51.50 Top of spur bears N. & S. Descend.
 60.00 cross ravine 8 lbs Wide, Course S. Ascend.
 67.20 Top of ridge bears N. and S. Descend.
 80.00 Set post for cor. to sec. 5, 6, 31 and 32 in a mound of
 rocks. No trees convenient.

(West on trail Bet. posts 6 & 8)

Var. 16° 28' E.

- 1.75 cross a ravine 10 lbs. Wide, Course S. Ascend.
 7.40 Top of ridge bears N. & S. Descend.
 38.00 cross ravine 7 lbs. Wide Course S. Ascend.
 40.00 Set a post for 1st sec. cor. in a mound of rocks
 No trees convenient
 43.70 Top of ridge bears N. & S. Descend.
 53.50 cross ravine 8 lbs. Wide, Course S. Ascend.
 67.60 Top of ridge bears N. & S. Descend
 80.00 cross arroyo Del Puerto Creek 50 lbs Wide, Course S.E.
 80.54 To the cor. To GPS. 5 & 6 South, Range 5 & 6 E.

Det. 28, 1870.

TOWNSHIP 5 SOUTH, RANGE 6 EAST

East Boundary Townships 5 South, Rgs 6 E M.D.M.

Part of West Bdy. of T. 5 S., R. 7 E., M. D. M.
commences at post cor. to Range 6 & 7 E, Gps. 5, 6 on
first standard line south and runs

(South Bdy. Recd. 186

Var. $15^{\circ} 30' E$

- 40.00 set charred 4⁴ per post in mound of earth, with
trench and pits as per instructions.
- 71.50 To foot of steep rugged hills.
- 80.00 set charred post in mound of earth with trench and
pits as per instructions outside of very steep hill
for cor. to recd. 1, 6, 7 & 12 it is impracticable to
continue this line any further south on account of
high, rugged hills, being spurs of the Coast range
of mountains

J E Gerrell

Deputy Surveyor

Date of Contract July 2 1859.

For the purpose of finding the cor. to recd. 1, 6, 7 & 12
on this line, which is the point on which I must commu-
nence I begin at the cor. to recd. 5, 36, 182 on the line
between Gps. 4 & 5 South, R. 6. East, and run
east along the Gp line

Var $16^{\circ} 40' E$

- 40.00 The 1st per monument has been plowed up.
- 79.92 Find traces of the cor. to Gps. 4 & 5 South, Rgs 6 & 7 E
From this point south

T. 12 S., R. 12 E., SECTION.

EAST

- 40.00 All traces of the 1st sec. cor. have disappeared.
 80.13 At point 9 chs East of the Cor. to sec 1. 12. 6 & 7.
 The post is gone, but the mound remains, so I made a post and set it in a mound, digging pits as per instructions. Four paid lot.
 South on a true line Bet
 Recd 7 & 12
 Acc Var. $16^{\circ} 40'$ E
- Ascend abruptly.
 17.00 H. E. Brow of hill Descend abruptly.
 23.00 Small ravine, Turned H. E. Ascend Abruptly.
 40.00 Set a stone $14 \times 10 \times 4$ by a stone mound as per instructions for 1st sec. cor. No trees within marking distance
 42.00 Top of hill. Descend.
 63.50 Creek in Ravine 20 lbs. Wide, Course East. Ascend.
 66.00 A road bearing East & West
 80.00 Set a stone $18 \times 4 \times 5$ by stone mound as per instructions for cor to sec 1. 12. 13 & 18
 No trees within marking distance.

South Between secs. 13 & 18

Var. $16^{\circ} 40'$ E

- Ascend
 19.00 Descend
 29.50 Ravine, Course east by north. Ascend abruptly
 40.00 Set stone $13 \times 11 \times 6$ by stone mound as per instructions for 1st sec. cor. no trees within marking distance
 48.00 Top of hill. Descend abruptly.
 60.00 Top of hill. A ravine, Course N.E. Ascend.

80.00 Set a stone 20x8x5 by a stone mound, as per instructions for elev to sect 13, 24, 18, & 19

No trees convenient within marking distance

June 28, 1870

South Between Sect. 24 & 19

Vari. 16° 40' E.

Ascend

23.00 S.E. Brow. of high hill 8 chl. from Top. Descend abruptly.

36.00 A ravine, course East. Ascend.

40.00 Set a stone 18x18x6 by stone mound, as per instructions for 1/4 sec cor.

No trees within marking distance

50.50 Top of ridge bearing E. & W. Descend abruptly.

78.00 A deep ravine, course N.E. Ascend

80.00 Set a stone 16x18x9 by stone mound, as per instructions for elev. to sect 19, 24, 25 & 30

No trees within marking distance.

South between Sect. 25 & 30

Vari. 16° 40' E

Ascend abruptly

Ridge bearing N.W. & S.E. Descend Abruptly.

Ravine, course S.E. Ascend.

40.00 Set 1/4 sec (stake) made mound with pits and stones marked with a (X) cross, as per instructions

No trees within marking distance.

- 60.00 S.E. Brow of a hill. Ascend.
 62.00 A house bears E. 12 chs
 69.50 W road bearing E & W.
 69.75 W fence bearing same.
 72.00 Arroyo S. de la Puerta 15 lbs. Wide course E. N. E.
 ascend abruptly.
 80.00 set a stone 16 x 9 x 6 by stone mound, as per instructions
 for cor. to pers. 25, 30, 31, & 36 from which
 an Oak 14 in diam. bears N. 5° W., 94 lbs dist.
 Another 7 " " " S. 37° E 74 "

June 27. 1870

South Between Pers 31 & 36

Var. 16° 40' S

Ascend

- 2.00 West brow of a spur of mountain. Ascend abruptly.
 18.50 Deep ravine, Course N.W. Ascend abruptly.
 40.00 Set 14 peal stake in ground with pits and stones marked.
 With a (x) cross as per instructions, from which
 An Oak 9 in. diam. bears N. 45° W., 86 lbs. dist.
 42.00 S.W. Brow of spur of Mountain. Thence along W. slope
 60.00 Descend S.W. Slope
 79.00 W ravine, Course N.W.
 80.00 Set post in ground with pits and unmarked stone with
 A cross, as per instructions, for cor. to Pers. 5 & 6 S
 Rgs. 6 & 7 East, from which
 An Oak 16. in diam. bears N. 71° W., 117 lbs dist.
 Another 14 " " " N 62° 30' E 98 " "
 " 12 " " " N 80° E 90 " "

TOWNSHIP 5 SOUTH, RANGE 7 EAST

Another 18 in. dia. bears S 78° W., 75 lbs dist

Alfred Bamister

Deputy Surveyor

Date of contract. June 11 - 1870"

Part of South Boundary S.S.R. 7.E. M.D.M.

September 18" 1859

Commenced at established corner to Tps 5-6-S Rcs. 7+8 E
+ run

West, on true line between Recs 1-3 & 6

(Var 15° 30' E)

- | | |
|--------|---|
| \$0.00 | Set charred 4 ¹ / ₂ post in mound of earth with trench & pits as per instructions |
| \$9.50 | Cross road, Course N.E.S. |
| \$0.00 | Set charred post in mound of earth with trench & pits as per instructions for post to see Recs 1-2-3-4-5-6
Land level Soil 1st rate. |

West, on true line Betw. Recs 2 & 3

(Var 15° 30' E)

- | | |
|--------|---|
| \$0.00 | Set charred 4 ¹ / ₂ post in mound of earth with trench & pits as per instructions |
| \$4.00 | Cutter hills |
| \$1.00 | Cross ravine 20 lbs wide for S E |
| \$0.00 | Set charred post in mound of earth with pits as |

per instructions for cor to sec 2-3-34 & 35
 Land, first 40.00 pts nearly level, balance hilly &
 dry rate soil It is impracticable to continue this
 line, on account of high rugged hills

A portion of this Boundary I am positive is unsurvey
 able; So I commenced at the cor to Twp 58 SR. 6 & 7 E.
 And run

East, on true line between sec 31 & 6
 Var. 16° 40' E

- 1.50 Ravine course N.W. Ascend abruptly
- 20.00 NE brow of hill Descend.
- 31.00 ravine, course North Ascend.
- 40.00 set 1/4 sec stake in mound with pits and stone Mkd. with a cross (x) as per instructions from which an Oak 9 in dia bears N 17° E 97 lbs dist
- 60.00 High ridge bearing North & South The line produced further would cross a deep rocky canon with precipitous sides and is therefore unsurveyable
- 60.00 Set a stone 15 x 9 x 5 by stone mound as per instructions for witness to secs 31 and 6
 Land hilly & rough soil dry rate
 Timber scattering oak June 20 - 1870.

From the 1/4 sec cor between secs 33 & 4 on the south bdy of this Twp. I run.

West on true line between secs 33 & 4
 Var 16° 40' E

Ascend along E. S. C. slope of ridge

5 MILE MARKER 7 EAST

- 37.00 Top of ridge thence along same ascending
 40.00 set post in mound with pits & stone marked with a cross as per instructions for cor to sec 32-33-4 &
 land rough, and hilly soil 3rd rate This line
 cannot be surveyed further, as it would cross some
 high rocky ridges, and precipitous cañons

July 1, 1870

(Surveyed by Alfred Bannister)

Contract June 11 - 1870

West Bdy 5 S.R. 8 E.

Commenced survey Sept 8, 1859

Commenced at cor to T 5 S R 8 E 7 E on the 1st standard
 south and run

South between sec 1 & 6

Var. 16° 30' E

- 15.00 Cross road, Course N.W. & S.E.
 36.00 To left bank of arroyo Se la Puerta go like wide course
 40.00 Set chd. gr sec post in mound with trench & pits as
 per instructions

Ground which bears

An Oak 24 in dia, in the creek N. 10° W dist 4.20 chs
 80.00 Set chd post in mound with pits trench as per
 instructions Cor to sec 1-6-7 & 12

Land level Soil 1st rate

South Between sec 7 & 12

Var 15° 30' S

- 40.00 Set chd gr sec post in mound with trench & pits
 as per instructions A.B.F.

80.00 Set chd post in mound with trench and pits (corrected by R.L.G.)
as per instructions, cor to sec 7, 12, 13 & 18
Land level Soil 1st rate

South Between 13 & 18

(Var 15° 30' E)

40.00 set chd gr sec post in mound with trench & pits as per
instructions

80.00 set chd post in mound with trench & pits as per instructions
cor to secs 13, 18, 19, 24

Land level Soil 1st Rate

South Between Secs 19 & 24

(Var 15° 30' E)

40.00 Set chd gr sec post in mound with trench and pits as
per instructions

80.00 set chd post in mound with trench and pits as per
instructions for cor. to secs 19, 24, 25 & 30

Land level Soil 1st rate.

South Between 25 & 30

(Var. 15° 30' E)

40.00 set chd gr sec post in mound with trench & pits as
per instructions

80.00 set chd post in mound with trench & pits as per
instructions for cor to secs 25, 30, 31 & 36

Land level Soil 1st rate.

South Between Secs 31 & 36

(Var 15° 30' E)

TOWNSHIP 5 SOUTH RANGE 8 EAST

- 40.00 Set chd gw set post in mound with trench & pits as per instructions
- 80.00 Set chd post in mound with trench & pits as per instructions for cor to sec 5-6 S. R. 7 & 8 E
Land level Soil 1st rate
Dept 9" 1859
-

- 80.00 Set chd post in mound with trenches & pits as per instructions, for cor to sec 1-2-35-36
From which bears
A house on edge of road course N. W. North 3° E.
dist 3.50 lbs
Land level, Soil 1" rate

- West, on true line betw sec 2 & 3
21.00 cross road course N.W.
- 40.00 Set chd gw set post in mound with trench, pits as per instructions
- 80.00 Set chd post in mound with trench & pits as per instructions, for cor to sec 2, 3, 34 & 35
Land level Soil 1st rate

West on true line Betw. sec 3 & 4
Var 15° 58' E

- 40.00 Set chd gw set post in mound with pits & trench as per instructions.
- 80.00 Set chd post in mound with trench & pits as per instructions, for cor to sec 1-4-33 & 34
Land level. Soil 1st rate.

West on a true line betw. secs 4 - 36

Var. 15° 58' E

- 40.00 set chd w/ sec post in mound with trench & pits as per insts
- 80.00 set chd post in mound with trench & pits as per insts
for cor to secs 4 - 5 - 32 - 33
Land level Soil 1st rate

West true line Beta sec 5 & 32

Var 15° 58' E

- 40.00 set chd w/ sec post in mound with trenches & pits as per instructions
- 80.00 set chd post in mound with trenches & pits as per instructions for cor to secs 5 - 6 - 31 & 32
Land level Soil 1st rate

West on true line between secs 6 & 31

Var 15° 58' E

- 40.00 set chd w/ sec post in mound with trench & pits as per insts
- 88.57 The cor to Twp 5 & 6 S.R. 7 & 8 E.

General Description

The land in this Twp. is level the soil 1st rate
There is no water except the San Joaquin River
and no timber except a few scattering Oak
Along the Arroyo De La Puerta.

TOWNSHIP 5 SOUTH, RANGE 8 EAST

Easter Boundary of T 5 S R 8 E

- 80.00 Set Township post for T 4 S R 8 & 9 E. Post 31036 made M.J.
sites trenches & deposited charcoal, as required per instructions
Snow which cut Sierras bears at 65° W a high peak
Sierra Range bears at $32\frac{1}{2}^{\circ}$ E

West

- 2.26 Set correction post for R 8 & 9 E T 5 S sec 1 & 6 Made
mound, pits, trenches and deposited charcoal, as per
instructions, Mkd post S.C.

(South on 1st Mile)

(Var $15^{\circ} 25'$ East)

Started from correction post

- 40.00 Set 1/4 sec stake, made mound, pits trenches deposited
charcoal.
- 80.00 Set sec post for sec 1-6-7-12 made mound pits trenches
dipd charcoal, as required per instructions
Land level Soil Sandy.

(South on 2d Mile)

- 40.00 Set 1/4 sec stake made mound pits trenches and
deposited charcoal
- 80.00 Set sec post for sec 7-12-13-18 made mound, pits
trenches and deposited charcoal, as required per instru
Land level Soil Sandy

(South on 3d mile)

- 40.00 Set 1/4 sec stake made mound pits trenches and

deposited charcoal

80.00 Set sec post for secs 13-18-19-24 made mound pits trenches and depd charcoal, as per instructions
Land level Soil Sandy.

South on 4th mile

40.00 Set 1/4 sec stake made mound pits trenches & depd charcoal

80.00 Set sec post for secs 19-24-25-30 made mound pits trenches and deposited charcoal as per instructions
Land level Soil Sandy.

South on 5th mile

40.00 Set 1/4 sec stake, Made mound, pits trenches and deposited charcoal

80.00 Set sec-post for secs 25-30-31 & 36 Made mound pits trenches & deposited charcoal, as per instructions
Land level Soil 3rd rate

Timber down 15' clt right of line

South 6th mile

40.00 Set 1/4 sec stake Made mound pits trenches & deposited charcoal

43.00 Go to pond

53.00 Across pond and on overflow land.

70.00 To a dry slough

72.00 Across slough course West

74.50 To Río Joaquin set meander post on Bank of river
Thence off set East

SECTION 5, COUNTRY, RANGE 9 EAST

East

10.00 Thenee

South

Set Wilkes township post for T. 5 & R. 8 & 9 E. sec
1-6-31-36 made mound pits trenches & deposited
charcoal (this post is 10 chs East of True
Township post. The true post coming in center
of river course of River W. by S.)

A White Oak bears S 85° E. dist 4 chs. 38 lbs. dia 16"
another Oak bears N 3 1/4 W dist 4 chs. 26 lbs. " 26"
land level Soil 1st rate.

North Bdy of T 6 S R 9 E & S. Bdy T 5 S R 9 E

Commence at witness post set for T 5 & R 8 & 9 E

East On 1st Mile Var 15° 30' E

30.00 Set grl sec stake made mound pits trenches & depd
charcoal as per instructions

~~20.00~~ This post is 10 chs east of true Township post. The true
post coming in center of River course of River W. by S
set sec post for sec 5, 6, 31 & 36 made mound pits trench
& depd charcoal as required per instructions.
land level Soil 2nd rate.

East

On 2^d mile

40.00 Set grl sec stake made mound pits trenches & depd charcoal
set sec post for sec 4, 5, 32 & 33 made mound pits trench
and depd charcoal as required per instructions

Land level Soil 2^d rate.

East

On 3rd Mile

- 40.00 set gr sec stake made mound pits trenches & deposited charcoal as required per instructions
 80.00 Set sec. pit. for secs. 3,4,33&34 made mld. pits, trenches and dept. ch'd. as required previous (A.G.F.)
 Land level Soil Sandy.

East

On 4th Mile

- 40.00 Set gr sec stake made mound pits trenches and deposited charcoal.
 80.00 Set sec post for secs 2,3,34&35 made mound pits trenches and deposited charcoal as per instructions
 Land level Soil Sandy

East

On 5th Mile

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal
 80.00 Set sec post for sections 1,2,35&36 made mound pits trenches & deposited charcoal as per instructions
 Land level Soil Sandy

East

On 6th Mile

- 40.00 Set gr sec stake made mound pits trenches and depd charcoal.
 80.00 Set township post for T 3rd SR 9th 10th Secs 1,6,31&36
 made mound pits trenches & deposited charcoal as per instructions from which a high peak Sierra range & bears N 30° E another same range & bears S 40° E
 Land level Soil Sandy.

TOWNSHIP 5 SOUTH, RANGE 9 EAST

Western Bdy & Eastern Bdy of T 5 S R 9 E

- South Run at random Var 15° 30' Set team mule and $\frac{1}{2}$ mile posts, and at 6 miles 3 chs 30 lks intersect to the East of Township post set for T 5 S R 9 E. Recd 1, 6, 31 & 36. The correction will therefore be $\frac{1}{3}$ chs 30 lks South & $1\frac{2}{3}$ lks West per mile
- NORTH Run at true line Var. 15° 30' East
Run 1st Mile.
- 40.00 Set gr sec stake made mound pits trenches and depd charcoal
- 80.00 Set sec. cor. post for secs 25, 30, 31 & 36 made mound pits trenches and deposited charcoal as required per instructions Land level Soil Sandy.
- NORTH Run 2d Mile
- 40.00 Set gr sec stake made mound pits trenches and depd charcoal
- 80.00 Set sec post for secs 19-24-25 & 30. Made mound pits trenches and deposited charcoal as required per instructions Land level Soil Sandy.
- NORTH 3rd Mile
- 40.00 Set gr sec stake made mound pits trenches and depd charcoal
- 80.00 Set sec post for secs 13-18-19-24 made mound pits and trenches & deposited charcoal as required per instructions Land level Soil Sandy.

T. 5 S. R. 10 E. 10 EAST

NORTH

On 4th Mile

- 40.00 Set qv sec stake made mound pits trenches and deposited charcoal.
- 80.00 Set sec post for secs 7-12,-13-18 Made mound pits trench and deposited charcoal as required per instructions land level. Soil Sandy.

NORTH

On 5th Mile

- 40.00 Set qv sec stake made mound pits trenches and deposited charcoal.
- 80.00 Set sec post for secs 1, 6, 7-12 Made mound pits trenches and deposited charcoal as required per instructions land level. Soil Sandy.
(No rate to the land)

NORTH

On 6th Mile

- 40.00 Set qv sec stake made mound pits trenches & deposited charcoal.
- 83.30 To township post set for T 5 S R 9 + 10 E Rec'd 1-6-31836.
On 1st standard Parallel South.

— T. 5 S. R. 10 E. —

EAST

On 1st Mile Var. 15° 30' E.

- 40.00 Set qv sec Stake Made mound pits trench & deposited charcoal.
- 80.00 Set sec post for secs 4-5-32-33 made mound pits trench & deposited charcoal as required per instructions land level. Soil Sandy.

East

On 2^d Mile

- 40.00 Set gr. sec stake made mound pits trenches & deposited charcoal
 80.00 Set sec post for seeds 4-5-32+33 Made mound pits trenches & deposited charcoal as required per instructions
 Land level Soil Sandy.

East

On 3rd Mile

- 40.00 Set gr. sec stake made mound pits, trench & depd charcoal.
 80.00 Set sec post for seed 3, 4, 33+34 Made mound pits trenches & deposited charcoal.
 Land level Soil Sandy.

East

On 4th Mile

- 40.00 Set gr sec stake made mound, pits trenches and deposited charcoal.
 80.00 Set sec post for seeds 2-3-34+35 Made mound pits trenches and deposited charcoal as required per instructions
 Land level, Soil Sandy.

East

On 5th Mile

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal.
 80.00 Set sec post for seeds 1-2, 35+36 made mound pits buried and deposited charcoal as per instructions
 Land level. Soil Sandy.

East

On 6th Mile

- 40.00 Set gr sec stake made mound pits trenches and

TOWNSHIP 5 SOUTH, RANGE 10 EAST

deposited charcoal.

- 80.00 Set Township post for T5S R10E sec 1-6-31+36
Made mound pits trench and deposited charcoal as required per instructions A pointed Mt. coast range bears N 47 $\frac{3}{4}$ ° W another bears S 40 $\frac{3}{4}$ ° W land
Land level Soil sandy.
-

SOUTH on Random

Van. 15° 30' East

On East Bdy of T5S R10E. Set temporary mile & 1/2 mile posts and at 6 miles 2 chs and 17 lbs intersect south boundary of Township 3 chs 42 lbs East of post set for T5S R10E sec 1-6-31+36 The correction will therefore be 2 chs 17 lbs South & 57 lbs West per mile

North On true Eastern Boundary of T5S R10E.

On 1st Mile

- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal.
80.00 Set sec post for secs 25-30-31-36. Made mound pits trenches and deposited charcoal as required per instructions
Land level Soil sandy.

Eastern Boundary of Township

On 2d Mile

- NORTH 40.00 Set gr sec stake made mound pits trenches and deposited charcoal.
80.00 Set sec post for secs 19-24-25+30 made mound pits trenches and deposited charcoal as required per instructions Land level Soil sandy.

- North On 5th Mile
- 21.83 Trail course N. W.
- 40.00 Set gr sec stake made mound pits trenches and deposited charcoal.
- 47.37 Trail course N. W.
- 80.00 Set sec post for secs 13-18-19-24 made mound pits trenches and deposited charcoal, hand level Soil sandy
- Eastern Boundary of Township
- On 4th Mile
- 40.00 Set gr sec stake made mound pits trenches and deposited charcoal as required per instructions
Set sec post for secs 7, 12, 13, 18 made mound pits trenches and deposited charcoal as required per instructions (B.F.T.)
- 80.00 Hand level Soil sandy
- North On 5th Mile
- 40.00 Set gr sec stake made mound pits trenches and depd charcoal.
- 80.00 Set sec post for secs 1-6-7 & 12 Made mound pits trenches and deposited charcoal as required per instruct.
 hand level Soil Sandy
- North On 6th Mile
- 40.00 Set gr sec stake made mound pits trenches & deposited charcoal.
- 80.17 Go township post on 1st standard parallel South. set for T5 S R10 & 11 E secs 1 & 6.

5 SOUTH RANGE 11 EAST

Commenced at township post set for T 5 + 6 S R 10 + 11 E

East

Bw 1st Mile Var. $15^{\circ} 10'$ E.

40.00 Set gr sec stake made mound pits trench and deposited charcoal.

80.00 Set sec post for secs 5-6 - 31 & 32 made mound pits & trenches & deposited charcoal as required per instructions
Hand level Soil Sandy

East

Bw 2^d mile

40.00 Set gr sec stake, made mound pits trenches & deposited charcoal.

80.00 Set sec post for secs 4-5 - 32 & 33. Made mound pits & trenches and deposited charcoal as required per instructions
Hand level Soil sandy

East

Bw 3rd Mile Var $15^{\circ} 10'$ E.

40.00 Set gr sec stake made mound pits trenches & deposited charcoal

80.00 Set sec post for secs 3-4 - 33 & 34 Made mound pits trenches & deposited charcoal as required per instructions
Hand level Soil Sandy.

East

Bw 4th Mile

40.00 Set gr sec stake made mound pits trenches & deposited charcoal

80.00 Set sec post for secs 2-3 - 34 & 35 made mound pits and trenches & deposited charcoal as required per instructions
Hand level Soil Sandy.

5 Twp., Range 11 EAST

East

On 5th Mile

- 4000 Set gr sec stake made mound pits trenches and deposited charcoal.
- 8000 Set sec post for secs 1-2-35-36 made mound pits trenches & deposited charcoal, as required per instructions.
Land level Soil sandy.

East

On 6th Mile

- 4000 Set gr sec stake made mound pits trench & depd charcoal.
- 8000 Set Township post for T5S6R11E. secs 1-6-31+36
made mound pits trenches and deposited charcoal.
as required. A lone tree bears S 5-8 $\frac{3}{4}$ E
Land level Soil poor and sandy.

— East Bdy T5S6R11E. —

South

On Random Var. 14° 15' E

On eastern boundary of T5S6R11E
Set 1/2 mile & 1/4 mile posts and at 6 miles 6 chs and
so lbs intersect south boundary of E. part of township
post set for T5S6R11E secs 1-6-31+36 the correction
will therefore be 6 chs and so lbs north and 9 $\frac{1}{2}$ lbs
West per mile.

North

on true Eastern Boundary of T5S6R11E Var. 14° 15' E.

On 1st Mile

- 4000 Set gr sec stake made mound pits trenches & deposited charcoal.
- 8000 Set sec post for secs 25-30-31-36 made mound pits

trenches and deposited charcoal.
Land rolling Soil sandy.

North Qu 2^d Mile

17.00 Grail course East.

40.00 Set gr sec stake made mound pits trenches and deposited charcoal

58.00 Road course N.E. by E.

80.00 Set sec post for secs 19-24-25-30 made mound pits trenches and deposited charcoal as required per instructions
Land level soil sandy.

North Qu 3^d Mile

40.00 Set gr sec stake made mound pits trenches & depd charcoal.

80.00 Set sec post for secs 13-18-19-24 Made mound pits trenches and deposited charcoal.
Land rolling Soil 3^d rate.

Eastern Boundary

North Qu 4th Mile.

33.50 Road Course East.

40.00 set gr sec stake Made mound pits trenches & deposited charcoal.

67.90 Grail Course East.

80.00 Set sec post for secs 7-12-13-18 made mound pits and trenches & deposited charcoal.
Land rolling Soil Sandy.

TOWNSHIP 6 SOUTH, RANGE 5 EAST

North

On 5th Mile

- 3.80 Trail course East
- 40.00 Set gr seed stake, made mound pits trench & deposited charcoal
- 80.00 Set seed post for sec 1-6-7 & 10 made mound pits and trenches & deposited charcoal, as required per instructions
land rolling soil sandy & clay

North

On 6th Mile

- 40.00 Set gr seed stake made mound pits trenches & depd charcoal
- 86.50 Go township post on 1st standard parallel South
land rolling soil sandy.

40th Bdy T7S R5E U.S. Bdy T6S R5E

Retracing

I begin the retracing of this line at cor to post 4-5-32+33
which is described as a W.C. Stake in stone 11d 2 ft
high 4 $\frac{1}{2}$ ft base from which

an Oak 22 in dia brs N 40° W 16 ls dist

" " 16 " " N 6 $\frac{1}{2}$ ° E 129 " "

" " 8 " " S 13° E 159 " "

A pine 12 " " S 25 $\frac{1}{2}$ ° W 296 " "

Thence East on a random line Beta sec 4+38

Var 16° 45' E

- 39.80 Go a point 27 ls South of 14 sec cor which is a sand
stone 24x16x18 ins in small Mid Iularq & the MD
making it 1 $\frac{1}{2}$ ft high 3 $\frac{1}{2}$ ft at base and continue
my random line

79.80 Go a point 68 ls south of cor to secs 3, 4, 33 & 34 which is a sand stone 18 x 10 x 7 in small mounds enlarging the mounds making it 2 ft high and 4 1/2 ft base the return course of this line is therefore S 89° 36' W Land Mta Soil 3rd rate Heavy timber & undergrowth of pine Oaks & chaparral.

From cor to secs 3, 4, 33 & 34 I run east on a random line Betw secs 3 & 34 Var. 16° 45' E.

40.00 finding no trace of old cor I set temp 1/4 sec. cor.
80.15' Go a point 68 ls south of old cor. to secs 2-3-34 & 35' the stake lying on the ground I re-set it by standing bearing tree viz
An Oak 12 in dia S 29° W 120 ls dist and enlarging the mound making it 2 ft high and 4 1/2 ft base
Hence (South) S 89° 31' W on a true line betw secs 3 & 34 Var 16° 45' E

40.07 Set post 3 ft long 3 in dia 12 ms in ground for 1/4 sec cor marked 1/4 S on N. face and raised a mnd. of stone 1 1/2 ft high h 3 1/2 ft base around post fits impracticable
80.15' Go cor to secs 3, 4, 33 & 34 Land Mta Soil 3rd rate Heavy timber and undergrowth of pine Oaks & Chaparral.

From cor to secs 2-3-34 & 35' I run east on a random line along U.B. of Tp. Var 16° 45' E
Finding no trace of any old cor I set temp cor at every 40.00 & 80.00 chains and at 162.00 chs I arrived at a point 176 ls south of cor to Tp. 6-75 Rr 5 & 6 L from which cor. I run S 89° 22' W on a true line

betw sec's 1-36

Var 16°45' E.

Descend.

- 26.60 Cross Ravine to N.E. & ascend
 40.50 set post 3 ft long 3 in dia 12" in ground for 1/4 sec cor
 marked. 1/4 S on N. face and raised at mid of stone
 1 1/2 ft high 3 1/2 ft at base around post pits impracticable
 46.40 Top of rocky ridge bears N.E. & S.W. and descend.
 61.90 Cross branch of Rustinba Cr N.E. & ascend.
 79.40 Top of rocky point bears N.E. & S.W. and descend
 81.00 set post 4 ft long 4 in sq 12" in the ground for cor to sec's
 1-2. 25' S. 36' Marked T 6 S. S 36 on N.E. R. 5' E. S 1 on P & T. 7 S. S 2.
 on S.W. 8 S 35' on N.W. faces with 1 notch on e and 5 notches
 on W edge dug pits 18x18x12 ins. in each sec 5 1/2 ft dist
 and raised at mid of earth 2 ft high 4 1/2 ft base around post
 Land Mts. Soil 3rd rate-Timber & dense undergrowth. of
 pine Oak and chaparral

S 89° 22' W bet sec's 2 & 35'

Var. 16°45' E.

Descend

- 23.20 Cross Ravine Co N.E. & ascend
 40.50 set sand stone 18x10x6 ins 12" in the ground for 1/4 sec cor
 marked 1/4 on N. face
 from which
 A pine 4 in dia brs S 22° E 422 ft dist. Marked 1/4 S. B. T.
 no other tree within (marking) limits and raised at
 mound of stone
 41.00 Top of rocky ridge bears N.E. & S.W. & descend

TERRAIN 6 SOUTH, RANGE 5 EAST

81.00 To cor to secs 2, 3, 34 & 35'

Land Mts Soil 3rd rate

Timber and dense undergrowth of pine Oak & chaparral.

Sept 2-1881

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

Eastern Bdy T 6 S R 5 E

From the cor to T 6 and 7 S R 5 & 6 E.

I run N. on a random line along the W. B. of sec 31
30 - 19 - 18 - 7 & 6

Var 15° 20' E.

I set 1/2 mile & mile posts at every 40 & 80 chs and at 6 miles I intersect T 5', at a pt 2.40 chs w. of cor. to T 5' and 6 S R 5 & 6 E.

Feb 5th

From which cor I run S 17' W' on a true line betw
secs 1 and 6 Var 15° 10' E

Ascend gradually

41.39 Set stone 16 x 12 x 8 for 1/4 sec cor with md. and pits as per instructions

81.39 Set stone 20 x 14 x 8 for cor to secs 1-6-7 & 1/2 with md and pits as per instructions

Land rough and rolling Soil 3rd rate

Timber scattering Oak & Juniper undergrowth changing

S 17°W on a true line between secs 7 & 12

Var 15° 45' E

- 7.50 Descend
 40.00 Set post for 1/4 sec cor with mound and pits as per insts.
 63.00 Arroyo de la Puerta 40 ft wide runs S - ascend
 set stone 24x10x6 on brow of hill facing N for cor to secs
 7-12-13 & 18 with mound & pits as per Instructions
 Land hilly soil 3rd rate Wudeng south changes

S 17°W on a true line betw secs 13 & 18

Var. 15° 45' E

- descend gradually
 40.00 Set post for 1/4 sec cor from which White Oak 20 in dia
 bears S 22°W 61 ft dist
 80.00 Set post for cor to secs 13-18-19-24 from which
 White Oak 28 in dia bears S 73°W 90 ft dist
 " " 20 " " " S 53°E 48 " "
 Land rolling Soil 3rd rate Timber scattering Oak

S 17°W on a true line Bet secs 19 & 24

Var 15° 36' E

- Descend Gradually
 40.00 Set post for 1/4 sec cor from which white Oak 10 in dia
 bears N 9°E 12 ft dist
 46.00 Enter adobe Valley E & W.
 77.00 Adobe creek so like wide runs N 50°W
 80.00 Set post for cor to secs 19-24-25 & 30 from which
 White Oak 34 in dia bears N 16°E 24 ft dist
 " " 30 " " " S 86°W 59 " "

Land slightly rolling soil 1st and 3rd rate
Timber scattering Oak

S 17' W on a tree line Beta sec 25 & 30

Var. 15° 8' E

- 200 Leave adobe valley bears E & W ascend high mountains
~~Descend gradually~~
- 37.00 Summit high mountain Descend gradually.
- 40.00 Set stone 18x14x13 for 1/4 sec cor with mud & pits as per instructions
- 80.00 Set stone 18x14x11 for cor to sec 25, 30, 31 & 36 from which White Oak 17 in. dia bears S. 42° E 110 lbs dict.
Land hilly, Soil 3rd rate Timber scattering Oak

S 17' W on a tree line Beta sec 31 & 36.

Var 15° 10' E

- 40.00 set post for 1/4 sec cor with mud and pits as per instructions
Bristlecone creek 40 (chi?) wide runs S 80° E east
- 49.50 Ascend sharply
- 80.00 Cor to T 6 & 7 S R 5 & 6 E

Land Mountainous

Soil 3rd rate Timber scattering Oak

Undergrowth changes

Feb. 6th

6 6 EAST

South Boundary T 6 S R 6 E M. S. M.

From the cor to Twp 6 1/2 S Rd 6 1/2 E

Gravel

West Between Secs 1 & 36

Vari 15° E

40.00 Set a post for 1/4 sec cor from which
A white Oak 40 in dia bears S 40° E 43 lbs dist.
Descend

54.75' Ravine course S.W. Descend

63.00 Descend

71.62' Ravine course S 27° E

80.00 Set post for cor to secs 1-2-3 & 36 from which
A white Oak 27 in dia bears S 77° E 52 lbs dist.

" " 20 " " N 26° W 92 "

land hilly soil 3rd rate

Timber scattering Oak

West Between Secs 2 & 35'

Vari 15° 20' E

11.00 A house bears S 21° W 22 lbs dist.

40.00 Set stone 14x11x9 for 1/4 sec cor in monument of rock
with pits as per instructions

70.75' Trail bears N 85

80.00 Set post for cor to secs 2, 3, 34 & 35' from which
White Oak 22 in dia bears S 47° E 70 lbs dist.

" " 30 " " N 40° E 70 "

land broken and rolling

soil 3rd rate Timber scattering Oak.

West between Posts 3 + 34

Var 15° E.

- 40.00 Set post 14 sec cor with mound and pits as per instructions
 80.00 Set post on side of hill sloping East for cor to sect
 3, 4, 33 + 34 with mound and pits as per instructions
 Land rough and rolling Undergrowth heavy chemical
 Soil 3rd rate.

West Bet. secs 4 + 33

Var 15° 12' E

- 40.00 Set post for 14 sec cor with mound and pits as per instru
 80.00 set stone 10 x 10 x 8 for cor to sect 4, 5, 32 + 33 with mound
 and pits as per instructions Land rough and rolling
 Soil 3rd rate Timber scattering scrubby Oak
 Undergrowth heavy chemical.

West between ~~5 + 32~~

Var 15° 52' E

- 40.00 Set post for 14 sec cor with mound pits as per instructions
 80.00 Marked White Oak 8 in dia for Cor to sect 5, 6, 31 + 32 from
 which White Oaks 33 in dia bears S 57° E to the dist.
 " 20 " " S 67° E 108 " "
 Land rolling Soil 3rd rate.

Timber scattering Oak Undergrowth chemical

West Between secs 31 + 6.

Var 15° 40' E

- 3.75' Rustinba Creek 120 lbs wide runs S 60° E.
 Ascend gradually.

6 NORTH 6 EAST

- 40.00 Set stone 24x12x8 for 1/4 sec cor with mound and pits as per instructions
- 80.00 Set stone 6x6x6 for cor to Tpsl 6+7 S Rd 5+6 E
With mound and pits as per instructions.
Land broken and rolling
Soil 3rd rate Timber scrubby Oak
Undergrowth Chumash

Feb 4.

Survey commenced Feb 3. 1873

Survey (ended) completed Feb. 6th 1873

From the cor to Tpsl 5+6 S Rd 6+7 E

I run

South between sec 1+6

Var 15° E.

40.00 set post for 1/4 sec cor with mound and pits as per instructions

59.00 Ravine course N.W. Second Gradually

Marked a white Oak 33 in dia for cor to sec 1-6-7+12
With pits as per instructions

Land hilly Soil 3rd rate Timber scattering Oak
Undergrowth Chumash

South between sec 7+12

Var 14° 45' East

40.00 Set stone 14x11x9 with mound and pits as per instructions

- 53.80 Trail bears S.E. & N.W.
- 66.75 Creek 10 lks wide runs S.E.
- 80.00 Set stone 36x16x8 for cor to secs 7+12-13+18 from which
A White Oak 18 in dia bears S 5° W 194 lbs dist
" " 27 " " S 32° E 82 "
- Land rolling Soil 3rd rate Timber scattering Oak
Under growth chenieral

South between secs 13 & 18

Var 15° E

Ascend

- 19.50 Ravine course S.C. Ascend gradually
- 40.00 Stone 28x12x6 for 1/4 sec cor. from which
A white Oak 32 in dia. bears N 31° W 112 lbs dist
- 80.00 Set stone 22x14x6 for cor to secs 13-18-19-24 in
monument of socks with pits as per instructions
Land rolling Soil 3rd rate.
Timber scattering Oak

South Between secs 19 & 24

Var. 14° 45' E

- 6.00 Creek 10 lks wide runs S.E.
- 40.00 Set stone 18x11x9 for 1/4 sec cor from which
A White Oak 27 in dia bears N 63° E 57 lbs dist
- 50.50 Creek 25 lks wide runs N.E.
- 70.00 Road bears N.E. & S.W.
- 76.50 Leave big Oak flat bears E&W. ascend
- 80.00 Set post for cor to secs 19-24-25-30 from which

A White Oak 25 in dia bears S 7° W 50 lbs dist
Land mostly rolling Soil 2^d rate
Timber scattering Oak

South between sections 25 & 30
Nov 15° E

- 40.00 Set stone 17x13x9 for cor across
from which
A White Oak 22 in dia bears S 85° E 160 lbs dist
Grail bears S. E. & N. W.
- 80.00 Set stone 26x20x13 for cor to post 35-30-31-36
from which
A White Oak 38 in dia bears S 8° W 107 lbs dist
Land rolling Soil 3^d rate
Timber scattering Oak

South Between secs 31 & 36

Nov. 15° 10' E

- 3.24 White Oak 14 in dia. descend
9.90 Ravine course East
Ascend gradually.
140.00 set post for 1/4 sec cor from which
A White Oak 37 in dia bears N. E. 159 lbs dist
Grail bears S 10° E & N 10° W descend
59.60 Ravine course S 10° E ascend
80.00 Marked white Oak 22 in dia for cor to Pps 6 & 7 & Ps 6 & 7 E
from which
A White Oak 8 in dia bears N 51° E 126 lbs dist
" " 21 " " " N 37° W 287 "

TOWNSHIP 6 SOUTH, RANGE 7 EAST

Land rolling Soil 3rd rate

Timber scattering Oaks

Feb 3rd.S. Bdy T 6 S R 7 E

Survey commenced Feby 14 - 1874

All traces of the sec cor between secs 34 & 35' on S Bdy having disappeared I restored and reestablished said cor in the following manner viz.

Begin at the 1st sec cor between secs 2 & 35' on the South Boundary & Run

West on true line Bet. Secs 2-35'

Var 15° 58' E

23.00 Salt Water creek now called crow creek 1st wide runs S.E.40.00 Set post 4 feet long by 4 in dia 2 ft deep in Md 6 ft in dia at base by 3 feet high with pits 24x18x12 in as per instructions for cor to secs 2-3-34 & 35' Land level Soil 1st rate

Begin at the cor to secs 34 & 35' on the south Bdy & run West on a random line along the S. Bdy of secs 34-33-32-31 setting temp 1/2 mile & mile posts at every 40 & 80 chs and ^{at} 40 miles and 43.85' chs at point 500 chs N. of cor to Twp 6 & Range 7 E

Var. 15° 58' E.

The correction will therefore be 1.61 chs S. Per Mile
 From the cor to Sps 6 & 7 S. Rg 6 & 7 East. Run
 N 89° 12' E. on true line along the S. Bdy of sec 31
 Var 15° 58' E

Descend

- 14.25 Aravine Course S. Ascend.
- 34.35 Top of hill Descend
- 56.15 Ascend
- 78.10 Descend
- 83.85 Set stone 15x10x6 in. in a stone mound 4 $\frac{1}{2}$ feet
 in diam at base 2 feet high as per instructions for
 14 sec. cor on a hill side
- 86.10 Aravine Course S. Ascend
- 123.85 Set a stone 14x12x4 in. in a mound of stone 5 ft.
 in dia. at base & 2 feet high as per instructions
 for cor to sec 5-6-31-32 on a steep hill side
 Land steep and broken Soil 3rd rate Timber
 scattering Bak.

N. 89° 12' E. on a true line along the S. Bdy
 of sec 32

Var 15° 58' E

Descend

- 6.10 Aravine Course S.E. Ascend
- 19.25 Descend
- 29.30 Ascend
- 32.15 Descend
- 45.00 Set a stone 18x10x4 in. in a stone mound
 4 $\frac{1}{2}$ feet in dia at base, 2 ft high as per instr

for $\frac{1}{4}$ sec cor. on a steep hill side, thence over rolling hills

8.000 set stone 24x12x8 in. in a stone mound 5 $\frac{1}{2}$ ft in dia, at base, 2 $\frac{1}{2}$ ft high, as per instructions for cor. to recd 4-5-32-33 in a ravine. Course N & S land generally steep Soil 3rd rate.
No timber.

N. $89^{\circ} 12' E$ on a true line along the S. Body
of Rec 33.

Vari. $15^{\circ} 58' E$

Ascend

3.00 Ledge of rocks, Course H & S Descend

17.75 Cross creek 50 lbs Wide runs N.E.

Ascend

28.80 Descend

40.00 Set a stone 12x8x6 in a stone mound 6 ft in dia at base. 2 feet high as per instructions for $\frac{1}{4}$ sec cor

42.00 Foot of hill Ascend

51.75 Descend

63.50 Ascend

76.00 Top of hill Descend

80.00 set a stone 15x7x5 in. in a stone mound 5 ft in dia at base, 3 ft high as per instructions for cor to recd 3-4-33-34 on a steep hill side
land generally steep ~~hill side~~
Soil 3rd rate No timber.

TOWNSHIP 6 SOUTH, RANGE 7 EAST.

$4.84^{\circ} 12' E$, now a true line along the South
Bdy of sec 34.

Var. $15^{\circ} 38' E$

Descend

15.10 Ascend

29.20 Descend

40.00 Set stone $17 \times 8 \times 5$ in. for 1st cor. in mound $4\frac{1}{2}$
ft dia, at base 3 ft high with pits $24 \times 18 \times 12$ in.
as per instructions

Ascend

54.70 Descend abruptly

74.00 Foot of mountain over level land.

80.00 The cor to sec 2-3-34-35'

Land 1° 74.00 chs steep. Soil 3rd rate.

Last 6.00 chs level. Soil 1st rate

No timber

Feb 16th 1874.

See Vol. 3
of certified
copy of
Government
Field Notes
for complete
line.

West Boundary of T~~6~~ 6 S R 8 E & L.B. T 6 S R 7 E
Commenced Sept 10 - 1859 at
Established cor to T 5 S 7 E and run
South bet sec 1 & 6 Var $15^{\circ} 30' E$

40.00 Set chd gw sec post in mound with trenches and
pits as per instructions for cor to sec 1-6-7-12
land level

80.00 Set chd post in mound with trenches & pits as per
instructions for cor to sec 1-6-7-12 land level
soil 1st rate

South between secs 18 & 12 Var 15° 30' E

19.25 Cross road course N.W.

4.000 Set chd gr sec post in mound with trenches & pits as per instructions

8.000 Set chd post in mound with trenches & pits as per inst. for cor to secs 13-12-13-18
Land level Soil 2^d rate.

South Bet secs 13-18 Var 15° 30' E.

30.00 Cross road course N.W. at foot of rolling land

4.000 Set chd gr sec post in mound with trenches and pits as per insts

8.000 Set chd post in mound with trenches & pits as per insts for cor to secs 13-18-19-24
Land rolling Soil 2^d rate.

(See Contin'd Notes in Vol. 3)

South Bet secs 3, 8 & 6.

Var 15° 30' E

9.00 Descend bluff

11.00 Go w dry creek 50 lks wide course N. 10° E

14.00 Leave Valley & ascend hills

4.000 Set chd gr sec post in mound with trench & pits as per instructions

8.000 Set chd post in mound with trenches and pits as per insts for cor to T 6 S R 7 1/2 E.

Land 1st 14 chs level Soil 1st rate Balance hilly
Soil 2^d rate.

TERRITORY 6 SOUTHERN BRIDGE 8 EAST

From the established cor to T 687 S R 788 E I run east
out at random along the south bdy. of sec's 31-32-33-
34-35 & 36

Var. $15^{\circ} 30' E$

Set temp 1/2 mile and mile posts at every 40 & 80 chains
and at 5 miles 9 1/2 chs & 9 lbs intersect line bet. R's 889
E 57 lbs south of Cor. to T 687 South. The correction
will therefore be 12.09 chs East & 9 1/2 lbs North per mile

South Bdy.

From Cor. to T 687 S R 889 E I run
West out true line bet 1 & 36

Var. $15^{\circ} 34' E$

40.00 Set chd gr cor post in mound with trench & pits
as per instructions for cor to sec's 1-2-35-36
Land level. Soil 1st rate.

80.00 Set chd post in mound with trenches & pits as per
instructions for cor to sec's 1-2-35-36
Land level. Soil 1st rate.

West out true line bet sec's 2 & 35

Var. $15^{\circ} 34' E$

40.00 Set chd gr cor post in mound with trench & pits
as per insts

52.00 To Rustinba creek 1 chain wide course North

70.00 To a point on Rustinba Creek coming from the S.W.
and bearing to the S.E.

80.00 Set chd post in mound with trench & pits as per insts
for cor to sec's 2-3-34-35

Land level. Soil 1st rate.

West, on true line bet secs 4 & 33

Var. $15^{\circ} 34' E$

- 40.00 Set chd gr sec post in mound with trenches and pits as per insts
- 80.00 Set chd post in mound with trenches and pits as per insts for cor to secs 4, 5, 32 & 33.
Land level Soil 2^d rate.

West, on true line Bet sec 5 & 32

Var. $15^{\circ} 34' E$

- 35.00 cross road course or w
- 40.00 Set chd gr sec post in mound with trenches and pits as per insts
- 80.00 Set chd post in mound with trenches and pits as per insts for cor to sec 5-6-31 & 32
Land level Soil 2^d rate.

West on true line bet sec 6 & 31

Var. $15^{\circ} 34' E$

- 29.00 Enter Hills
- 40.00 set chd gr sec post in mound with trenches & pits as per insts
- 92.09 The cor to T 6 & 7 S R 7 & 8 E.

Completed survey Sept 1/59

General Description

The land in this township is mostly level with the exception of the S.E. cor. Orestimba creek, being dry at this season of the year. There is no water in this township No timber

Eastern Boundary T 6 S R 8 E.

Standard line R 8 S 9 E - T 5 S 8 E.

South Commenced 1 mile east of Township post on account of impossibility of crossing the river San Joaquin at Township last corner

Var 15° 47' E

Our section line bet sec 5 & 6 R 9 E T 6 S

40.00 Set gr seed stake with trenches &c.
80.00 set seed stake made mound pits trenches & deposited charcoal as required per inst marked stake for sec
5-6-7-8

A White Oak tree bears S 11 1/4 W dist 7 chs 63 lbs and 42 inches in diam hand level Soil 1st rate

South Our section line

18.60 To a plough & Russell's Ferry
22.20 To San Joaquin River
24.60 Across River Course West
33.30 To West Bank of San Joaquin
West Offset West on account of river
5.00 Thence

South

6.70 River 1 ch 50 lbs to Eastward

West

40.00 Pass timber bears off N.W. of S.E.
75.00 Inter. Standard bet R 8 S 9 E Thence

North

28.50 To a deep slough & brush
31.20 Set lump post 8 chs 80 lbs South of true seed corner

Marked post for secs 1-6-7-12 Marked a large Oak tree
3 notches both sides

Gree 50 in dia

Note Strongly impossible to pass thick undergrowth

South On 2d mile

40.00 Returned to point of intersection with R 88 9 E
Set sec stake made mound pits trenches & deposited charcoal as per inst.

Marked stake for secs 7-12-13-18 Land level
Soil 1st rate.

On 3d mile

40.00 Set gr sec stake with trenches &c.
8.000 set sec stake made mound pits trenches and depd charcoal as peg. Marked stake for secs 13-18-
19-24 at sharp peak Cost range bears S 62 1/4 W
Another high peak bears N 58 1/4 W Land level Soil
1st rate

Note (From here down is west Bdy of T 6 S R 8 E copied by mistake)

South Set secs 19 & 24 Var 15° 30' E

40.00 Set chd gr sec post in mound with trench & pits as per instructions

8.000 Set chd post in mound with trench & pits as per insts for cor to sec 19-24-25 & 30
Land rolling Soil 2d rate

South Set secs 31 & 36 Var 15° 30' E

4.900 Descend bluff.

- 51.00 Go a dry creek & to the wide course N 10° E.
 54.00 Leaves Valley and ascend hills
 40.00 Set chd gr seed post in mound with trenches and pits as per instructions
 80.00 Set chd post in mound with trenches &
 Note copied to this point by mistake.

South. On 4th Mile

- 9.00 Go road course N.E.
 18.40 Go Bristleba creek
 20.00 Cross creek course N.E.
 Creek has timber on both (sides) banks
 40.00 Set gr seed stake made mound pits trenches & depd charcoal as req. ~~Marked stake for sec 19-24-25-30~~
 Land
 80.00 Set gr seed stake made mound pits trenches & depd charcoal as required ~~Marked stake for sec 19-24-25-30~~
 Land level Soil 1st rate

On 5th Mile

- 40.00 Set gr seed stake with trenches &c
 80.00 Set seed stake made mound pits trenches & depd charcoal as required per instn ~~Marked stake for sec 25-30-31-36~~
 A double peak bears S 22° W
 A high peak bears N 65° 44' W
 Land level Soil 1st rate

South On 6th Mile

- 40.00 Set gr seed stake with trenches &c.

TOWNSHIP 6 SOUTH, RANGE 9 EAST

80.00 Set township post made mound pits trenches & deposited charcoal as required per instructions
Marked post for R 8 + 9 E T 6875.

Secs 1 - 6 - 31 - 36

Double peak bears S 23 $\frac{1}{4}$ ° W Sharp peak bears
S 76 $\frac{1}{4}$ ° W

Hand level. Soil 2^d rate.

Southern Boundary T 6 SR 9 L.

East

Bw 1st Mile

40.00 Set gr sec stake made mound pits trenches and
deposited charcoal

80.00 Set sec stake made mound pits with trenches and
deposited charcoal as required
Marked stake for secs 5 - 6 - 31 & 32
hand level 2^d rate.

Bw 2^d mile

40.00 Set gr sec stake with trenches

80.00 Set sec stake made mound pits trenches &c
marked stake for sec 4 - 5 - 32 - 33 A peak bears
N 54 $\frac{3}{4}$ ° W A rock on high ridge bears S 53 $\frac{3}{4}$ ° W.
Hand level. Soil 2^d rate.

East

Bw 3rd Mile

40.00 Set gr sec stake with trenches &c.

46.00 To west Bank San Joaquin River course of River N. found
it impracticable to cross the river on account of big k

6 OREGON, RANGE 9 EAST

stage of water stopped the line
last 10 days low and wet some fine old timber
on bank of river

Eastern Boundary

South

Bw 1st mile

Var. 15° 15' E.

- 40.00 Set gr sec stake with trenches &c
80.00 Set sec stake made mound pits trenches as req'd
Marked stake for sec 1-6-7-12

Bw 2d Mile

- 40.00 Cross trail course N.E.
40.00 Set gr sec stake with trenches &c
80.00 Set sec stake made mound pits trenches & dep. charcoal
Marked stake for secs 7-12-13-18

Bw 3rd Mile

- 40.00 Set gr sec stake with mound trenches &c
77.00 Cross trail Course N.E.
80.00 Set sec stake made mound pits trenches and deposited
charcoal as required
Marked stake for secs 13-18-19-24 - land level.
Dirt poor.

South

Bw 4th Mile

- 40.00 Set gr sec stake with trenches &c
80.00 Set sec stake made mound pits trenches & dep. charcoal
as required Marked stake for secs 19-24-25-30

Sharp peak coast Range bears S $73\frac{3}{4}^{\circ}$ W
 Another peak bears N 64° W
 Land level Soil poor

Dw 5th Mile

- 40.00 Set gr sec stake with trencher etc
 80.00 Set sec stake made mound fits trencher &
 depd Charcoal as required per instructions

Marked stake for sec 25 - 30 - 31 - 36

Sharp peak bears # S $77\frac{1}{2}^{\circ}$ W

Another bears N $61\frac{1}{2}^{\circ}$ W

Land level Soil 2^d rate

South

Dw 6th Mile

- 17.00 To a road & to bottom land of Merced river course
 of road w
 19.00 To a slough
 21.00 Across slough course w
 40.00 Set gr sec stake with trencher found it necessary
 to offset on account of Merced river the gr sec
 mound being set on Bank of river

East

15.50

Thence

South

40.00

Thence

West

8.50

- Set witness township post made mound &c
 on East bank of Merced River (on Right hand
 bank going down), being 7 chs to the Eastward of

TOWNSHIP 7 SOUTH, RANGE 5 EAST

true township corner. The river being high and the undergrowth so thick I did not attempt to cross with the line.

A large Oak tree bears N 16° E dist 80 lbs dia 40 inches. Marked tree (B.T. see 31) post is marked for R. 9 T 7 S E 7 6 7 5 sec 1-6-31-36 (W.P.)

Another Oak bears N 34° W dist 53 lbs dia 34 in. Marked tree (B.T. see 36)

Some fine Oak timber on Banks of River west land lost. Soil 1st rate.

Northern Bdy of T 8 S R 5 E & S Bdy. T 8 S E.

From Cor to Tps 7 & 8 S R 5 & 6 E. Turn west.

Vari. 16° 45' E

On Random R. Bdy of Tps. I set temp cor at every half mile and at 5 miles and 65.60 chs I make a point 30 lbs N. of cor to Tps 7 & 8 S R 4 & 5 E from which cor I run on a true line of Bdy of sec 31. T. 7 S R 5 E North 89° 58' East

Vari. 16° 45' E

- | | |
|-------|---|
| 0.70 | Top of spur to S. descend |
| 9.60 | Cross ravine to S. ascend |
| 18.50 | Top of spur to S. descend |
| 40.00 | Set a post 3 ins sq 3 ft long and 12 ins in the ground. Marked "4 S on N face and raised end of earth 3 $\frac{1}{2}$ ft. in dia and 1 $\frac{1}{2}$ ft. high around it from which bears a live oak 8 in in dia. Whd "4 S B.T. W. 14 E 274 lbs no other tree near dug |

- pits $18 \times 18 \times 12$ in a line $5\frac{1}{2}$ ft from cor
 43.00 cross main fork of coyote creek so that wide
 from W of N. to E. of S.
 67.00 A high ridge, forking to N.S. and N.W. descend
 in run to E.
 70.00 Run bends to south ascend
 80.00 Set cor for seccts 31 and 32 T 7 S R 5 E set an Oak
 post 4 in sq. 24 in. in the ground and 4 $\frac{1}{2}$ ft long
 Mkd S 31 T 7 S on the N.W. S 32 R 5 E on the
 NE 1 notch w. 5 notches E. from which bears
 White Oak 18 in. in dia Mkd. 4.74 chd. No other
 trees near dug pits $18 \times 18 \times 12$ W. East. North
 raised mound of earth $4\frac{1}{2}$ ft in dia at base and
 2 ft high around stake
 Land mountainous Soil good rate. Timber oak
 and pine. Sparse undergrowth of chaparral.

Front cor to seccts 31 and 32. Run along tree N. Bdy
 of T 8 S R 5 E and S. Bdy. of sec 32 T 7 S R 5 E
 north $89^{\circ} 58'$ East

Naz. $16^{\circ} 45'$ E

- 26.00 Top of main Ridge Han's Water divide Betw
 Red and Coyote creeks descend along general
 course of long ridge
 40.00 Set Oak post 3 in sq. 3 ft long and 18 in. in the
 ground for 1/4 sec cor. Mkd 1/4 S on N. face - dug pits
 $18 \times 18 \times 10$ on line $5\frac{1}{2}$ ft from cor and raised Md
 of earth $3\frac{1}{2}$ ft dist $1\frac{1}{2}$ ft high around stake
 54.00 Ravine S.E. ascend

- 66.60 Chaparral Ridge S.E. descend.
- 75.10 Ravine to S.E. one of the heads of Red creek ascend
on chaparral spur from N. of W.
- 80.00 Set an Oak post 4 ft long 4 ins sq 18 ins in ground
for cor to secs 32 and 33 Mkd S. 32 T. 7 S. on the NW
S 33 R 5 E on the NE 2 notches W and 4 notches E.
from which bears an Oak 16 ins in dia 113 1/2 lbs
31 lbs. Mkd S 32 T 7 S R 5 E B.T. No other tree in
limits, dug pits 18x18x12 W.E. and N 5 1/2 ft for cor
and raised Mkd. of earth 4 1/2 ft in dia at base
and 2 ft high around stake
Land mountainous Soil moderate Timber Oak
and pine. Sparse undergrowth of Chaparral.

~~X~~
From cor to secs 32 & 33 Run along tree N. Bdy
of Tp. S S R 5 E and S Bdy. of sec 33 T 7 S R 5 E
North $89^{\circ} 58'$ East

Van. $16^{\circ} 45'$ East

- 17.60 Top of Chaparral ridge N and S.
- 38.50 Enter bed of red creek in gravelly flat
- 40.00 On same flat set 1/4 sec cor set a granite rock 18x12x
4 ins round of rocks 5 ft in dia at base & 1 1/2 ft
high Mkd 1/4 on N. face It impracticable from
which bears
- A pine 12 in in dia S 84 1/4 E 0 9 lbs. Mkd 14 S.B.T.
- 40.60 Cross rocky bed of red creek 110 lbs wide dry to
S.E. ascend
- 41.25 Cross trail along creek and leading to San Antonio
Valley

FIELD 7 SOUTHLAND 3 EAST

80.00 Set a post 4 in sq. 4 $\frac{1}{2}$ ft long 18 in. in ground for cor to sec 33 and 34 mhd. S 33 T 7 S on the NW
S. 34 R 5 E on the NE 3 notches W & notches E
from which bears

A pine 10 in. in dia S 82° E 135' lbs mhd S 34 T 7 S
R 5 E B.T. no other tree in limits dug
pits 18x18x12 N.E. & N. 5 $\frac{1}{2}$ ft from cor.
4 $\frac{1}{2}$ ft in dia at base & ~~base~~ 2 ft high around
stake

Land Mountainous

Soil 3rd rate Timber Oak and pine

Sparse undergrowth of chaparral.

From cor to sec 33 & 34 I run along true
N. Bdy of T 8 S R 5 E and S Bdy of sec 34 T 7 S R 5 E
North 84° 58' E

Var 16 $^{34}^{\circ}$ E

4.25 Gap in Chaparral Ridge & S. Water divide
Beta Red Creek and Robeson Canyon descend
into heads of red creek

9.30 high spur to East

40.00 Set 1 $\frac{1}{4}$ sec cor set Oak post 3 in sq 1 ft in ground
and 1 ft above Md. of earth 3 $\frac{1}{2}$ ft in dia
at base and 2 ft high mhd 14 S on N face
no trees in limits

Dug pits 18x18x12 on line and 5 $\frac{1}{2}$ ft from cor

40.60 Cross ravine to S E ascend

Top of spur to S descend.

TOPAZVILLE 7 MILE, RANGE 5 EAST

10.70 Head of ravine to S.
 80.00 Set cor for sec 34, and 35' set at sand stone 20x16x4x10
 in the ground, mbd with 4 notches W and 2 notches
 E. and raised mound of earth 4 $\frac{1}{2}$ ft in dia at base
 and 2 $\frac{1}{2}$ ft high around it from which bears
 A pine 13 in dia. S 79 $\frac{1}{2}$ ° E 165 lbs. mbd
 S35T7S R5E B.T.

No other trees in limits dug pits 18x18x12 vv N & E
 5 $\frac{1}{2}$ ft from corner

Land mountainous Soil 3rd rate

Timber of Oak and pine

Dense undergrowth of Chaparral.

To Cor to secs 34 & 35 I run along true
 north Bdy of Tp 8.S.R5E. and S.Bdy of sec 30'

T7S R5E

N 89° 58' East

Van. 16 $\frac{3}{4}$ ° E

- 2.95' High ridge SE
 23.60 Ravine from S.W. to S.E.
 40.00 Mbd at scrub Oak 4 in dia for 1st sec cor 1/4 S
 on N. face dug pits 18x18x12 in line and raised
 mound of earth 3 $\frac{1}{2}$ ft in dia at base & 2 ft high
 around Cor
 48.60 Top of spur SW
^{63.40}
~~45.10~~ Ravine S. Ascend to high spur
 67.00 Top of spur to S. descend
 80.00 Set cor for sec 35 and 36
 Set an Oak post 4 in sq 4 $\frac{1}{2}$ ft long 18 in. in ground
 mbd S35T7S on NW S36R5E on NE 5 notches

B.C. DEPARTMENT OF FORESTS

REACT

W - 1 notch E. from which bears
 an Oak 5 in. in dia 136° N 60 lbs mhd
 $S 35^{\circ} T 7 S R 5 E$ 3.T. Sycamore 12 in dia $S 44^{\circ} E$ 107
 lbs mhd $S 36^{\circ} T 7 S R 5 E$ 3.T.
 no other tree in limits dug pits $18 \times 18 \times 12$ W-N-E
 and $5\frac{1}{2}$ ft from cor, and raised end of earth $4\frac{1}{2}$
 ft in dia at base 2 ft high h around stake.
 Hand mountainous Timber Oak and pine and
 sycamore Dense undergrowth of chaparral

Grown cor to secs 35 & 36 I run along
 true W-Bdy of T 8 S R 5 E and South Bdy of
 sec 36 T 7 S R 5 E

North $89^{\circ} 58'$ East

Var $16 \frac{3}{4}^{\circ}$ E

- 7.50 Cross main fork of Robeson Canon from S of W
 to N of E with trail from San Antonio to San
 Joaquin valley's ascend.
- 18.70 Top of high timbered ridge N.E.
- 30.00 Ravine to W.W.
- 40.00 Set Oak post 3 in sq. $3\frac{1}{2}$ ft long 12 ins. in ground
 mhd S. on N face for $\frac{1}{4}$ sec cor. from which bears
 14 lbs mhd $\frac{1}{4}$ S.B.T. White Oak 6 in in dia
 $S 44 \frac{3}{4}^{\circ} \text{ N}$ 52 lbs mhd $\frac{1}{4}$ S.B.T.
- 47.70 Top of high rocky spur W.
- 55.50 Cross ravine to W.
- 60.00 Top of spur to W.
- 64.30 Cross ravine to W. ascend
- 65.00 The cor to T pls 8 S R 5 and 6 E from which cor I run

East.

Var. $16^{\circ} 45' E.$

Set a post 4 ft long 4 ins sqy 24 ins in the ground
for cor to T 7 S R 5 and 6 E Mkd S 36 T 7 S R 5 E on N.W. and
sec 31 T 7 S R 6 E. on N.E. edge est raised end of earth
4 1/2 ft in dia at base and 2 ft high
around stake from which bears
A White Oak 12 in in dia N $43^{\circ} E$ 43 lbs mhd Sec 31 T 7 S R 6

E.B.T.

A white " 7 in " " N $3^{\circ} W$ 55 " " S 36 T 7 S R 5 E B.T.
its impracticable hand mountainous
Soil good rate

Timber of oak and pine dense undergrowth of
chaparral

Carefully examined the adjustments of my
solar compass today particularly the latitude and
reversing apparatus and found them correct.

July 11 - 1881.

Western Boundary T 7 S R 8 E = E.B. T 7 S R 5 E

From the cor to Tps 6 & 7 S Rds 5 & 6 E I run
South on a random line on West Bdy of P.

Var $16^{\circ} 45' E$

I set lump cor at every half mile and at 6 miles
3.30 chs I arrive at a point 240 lbs East. of cor to
Tps 7 and 8 S Rds 5 and 6 E which is a white Oak
post 4 ft long 4 ins square in a mound of stone
from which bears

A white Oak 12 in dia N $43^{\circ} E$ 43 lbs dist.

marked T.T.S.R. 6 E S 31 B.T.

A white Oak 7 in dia N 3° W 53 lbs dist

marked T.T.S.R. 5 E S 36 B.T.

From which cor.

I went

N 0° 17' E on a true line bet sec 31 & 36

Vari 16° 45' East.

Descend to Cañon

20.00 Enter small flat

23.80 cross South fork of Brushyba creek 50 lbs wide course N.E.

27.20 Leave flat and enter chaparral.

40.00 Set a trapp stone 12 x 10 x 8 ins in the ground for 1/4 sec. cor. Marked 1/4 on w. face and raised a hand of stone from which bears

An Oak 40 in dia N 27° E 40 lbs dist

Marked 1/4 sec B.T.

An Oak 8 in. dia N 9° E 54 lbs dist M.K.D. 1/4 sec B.T.

44.70 Top of spur bears S.E. and descend

Flat Ravine course SE and ascend

Top of spur bears S.E. and descend

80.00 Intersect a pine tree 14 in dia for cor to sec 25-30
31 & 36 Marked

T.T.S. S 30 on N.E. R 6 E S 31 on S.E.

T.T.S. S 36 on S.W. & R 5 E S 25 on N.W. faces.

With 1 notch on S and 5 notches on N edges
from which bears

A Manzanita 6 in dia S 59° E 20 lbs dist

Marked T.T.S.R. 6 E. S 31 B.T.

A pine 8 in dia N $79^{\circ} 30'$ E 37 lbs dist

Marked T. T. S. R. G. E. S. 30 B. T.

An Oak 4 in dia S $79^{\circ} W$ 53 lbs dist

Marked T. T. S. R. G. E. S. 36 B. T.

Land mountainous Soil 3rd rate.

Heavy timber of pine and Oak

and undergrowth of chaparral.

N. 0° 17' E. Dist 25' & 30

Va. $16^{\circ} 45'$ E

Descend through dense chaparral

4.00 Cross main ravine 20 lbs wide course S.E.
and ascend.

13.20 On chaparral ridge bear S.E. and ascend.
along E. face of high ridge bear S.E.

35.52 Cross deep brushy canon and ascend.

40.00 In dense chaparral and set at sand stone 10x6x4
ins. 7 ins in the ground for 14 sec. cor. Marked
14 on W. face day pits 18x18x12 ins E & W. of stone
5½ ft dist and raised a mound of earth 1½ ft.
high 3½ ft base

Ascend brushy E. face of Chaparral spur bear S

80.00 Set at sand stone 24x18x12 ins. 18 ins. in the ground
for cor to sec 19-24-25 & 30 marked with 2 notches
on S. and 4 notches on N. faces and raised a
mound of stone pits impracticable
from which bear

An Oak 36 in. dia N 28° W 508 lbs dry
Marked TTS RSE S. 24. B.T.

Land mountainous Soil 3rd rate.

Heavy timber of pine and Oak and undergrowth of chaparral.

N. 0° 17' E Between sects 19 & 24

Vav 16° 45' E.

Ascend through dense chaparral.

13.50 Top of main ridge bears S.E. & descend

27.50 Head of ravine course E & ascend

40.00 Top of Spur bears N E and set a Juniper post
3 ft long 3 in. dia 12 in. in the ground for 14 sec cor
Marked 14 S on W face dug pits 18x18x12 in E & W of
post 5¹/₂ ft deep and raised a mound of earth 1¹/₂ ft
high 3¹/₂ ft. Base around post

Ground which bears

An Oak 6 in dia N 71° W 121 lbs dry, Mkd 14 S.B.T.
no other tree within limits

54.20 Head of ravine course N. E. and Ascend.

57.20 Top of Spur bears N.E. and descend to Main Cañon
Deep brushy slope bears N & set a pine post 4 feet
long 4 in. Square 12 in. in the ground for cor to
Recd 13-18-19-24 marked

T.T.S. S 18 on N. E.

R.6.E. S 19 on S E

S.24. T.T.S. on SW and

R.5.E. S 13 on NW faces.

with 3 notches on N and S. edges dug pits
 $18 \times 18 \times 12$ ins in each sec $5\frac{1}{2}$ ft dist and
 raised a mound of earth 2 ft high $4\frac{1}{2}$ ft
 Base around post.

Land Mountainous Soil 3rd rate.

Heavy timber of pine and Oak and under
 growth of Chaparral.

Aug 19-1881.

N. 0° 17' E Between Sec. 13 & 18

Var 16° 45' E

8.30 cross deep rocky canon so has wide running water
 Main fork of S. fork of Rustimba Cr. runs S.E.
 Ascend to top of spur bears N.

40.00 Set a pine post 3 ft long 3 ins dia 12 ins in
 the ground for 1st sec cor
 Marked 1/4 Sow 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 bears

An Oak 18 in dia S. 85° E. 285 lbs dist Mkd 1/4 S. B.T.
 no other tree within limits

58.86 Top of main ridge and water divide between S.E. and
 N.W. forks of Rustimba creek and descend through
 dense chaparral. Scrub Oak and grease wood

80.00 Set a white Oak post 4 ft long 1 1/2 ins in the ground
 4 ins square for cor to post 7-12-13 & 18 marked

T.I.S. S70°W N.E. R6 E S18 on S.E. /

TTS S13 on S.W. & R5 E S12 on N.W. faces

with 4 notches on S and 2 notches on N edge
 dug pits 18x18x12 ins. in each Rec. 5' 2 ft dist.
 and raised a mound of earth 2 ft high 4' n ft.
 Base around post

From which bear
 A pine 30ins dia Nth 9 chs dist
 marked T 7 S R 6 E B.G.
 no other tree within limits
 Land Mountainous Soil 3rd rate.
 Heavy timber of pine & Oak and undergrowth
 of Chaparral & grass

No° 17' E Between Recs 7 & 12

Nor 16° 45' E

Ascend through dense brush

15.00 Head of ravine course N.E. and ascend a spring
 just below here.

20.80 Top of Chaparral ridge bears N.E. & descend.

40.00 Cross deep rocky ravine to the wide course N.E.
 With running water and intersect a spruce tree
 8 ins in dia for 1/4 sec cor. Marked 1/4 S on W face
 and ascended.

68.00 Top of spur bears N.E. & descend

76.30 Head of ravine course N.E.

80.00 Set a pine post 4 ft long 4 in. square 12 ins. in
 the ground. for cor to rec 1-6-7 & 12. Marked
 T.T.S. S. 6. on N.E. R. 6. E. S. 1. on S.E.

TTS S 12 on S.W. & R. 5. E. S. 1. on N.W. faces, notches

SD 1 notch on N. edges dug pits 18x18x12 in
in each sec. 5 $\frac{1}{2}$ ft dist and raised a mound
of earth. 2 ft high & 1 $\frac{1}{2}$ ft base around post.

Front which bears

A pine 20 in dia N 74 $\frac{3}{4}$ W 26 lbs dist

Marked T.T.S.R. 5.E. S.I.B.T.

A pine 20 in dia S 74. $\frac{3}{4}$ E. ~~B.T.~~ East 45 lbs dist

Marked T.T.S.R. 6.E. S. T. B.T.

no other tree within limits

Land mountainous soil 3rd rate.

Heavy timber of pine and Oak and under growth
of Chaparral and Grass

N 0° 17' E. Between Secs 1 & 6

Van 16° 45' East

Ascend through dense brush

15.36 Top of high ridge bears N.E. & descend

29.30 Deep dry ravine course N.E. & ascend.

38.40 Top of ridge bears N.E.

40.00 Intersects an Oak tree 12 in dia for 14 sec cor.

Marked 14 S on N face from which bears an
Oak tree 6 in dia N 27 $\frac{3}{4}$ E 49 lbs dist

Marked 14 S.B.T.

An Oak 10 in dia N 60 $\frac{3}{4}$ E 50 lbs dist

Marked 14 S.B.T.

41.00 Cross deep dry chaparral ravine course East
and Ascend to a high ridge

69.40 Top of high flat ridge bears E. and pine at

7 SOUTHERN RANGE 8 EAST

W. face of high point

83.30 The cor to Tps 6 and 7 S R 5 & 6 E

Rand mountainous Soil moderate.

Heavy timber of Pine and Oak and under growth of Chaparral and grass

Aug 20 th - 1881.

North Bdy T. 8.S.R. 6.E. & S. Bdy T. 7.S.R. 6.E.

From cor to Tps 7 and 8 South R 6 & 7 E. whence I find a black rock 30x12x2 in mound of rocks 5 ft in diam. by 2 ft in height

From which an

Oak 20 ins in diam bears S 14° W 70° lvs dist

" 18 " " " " S 48° W 48° "

" 8 " " " " N $74\frac{1}{2}$ W 75° " 65' "

(or 5'ls)

Bark 18 " " " " N $62\frac{1}{4}$ E. 29 " "

Grew along N Bdy of Tp 8.S.R. 6.E.

West

Run a true line bet secs 1 and 36.

Var $16^{\circ} 45''$ E

1.00 Top of spur bears N.W. & descend

28.90 cross ravine course North with trail to Sharps place in Bustumba flat and ascend high spur bearing West

40.00 Set a post 3 ft long 3 ins dia 24 ins in ground for 14 sec cor. Marked $\frac{1}{4}$ down North face.

From which an Oak 16 ins diam bears $N.5^{\circ}E.$ 35' dia.
dist marked $\frac{1}{4}$ S. B. T.

65.00 Top of ridge

Set a post 4 ft long 4 ins square 24 ins in the
ground for cor to sec 1-2-35 & 36 marked
T.7.S. S.36 ou. N.E. R.6.E. S.1. ou S.E. T.8.S., S.2 ou S.W.
and S.35 ou N.W. faces with 1 notch on E. and
5 notches on West edge.

From which

An Oak 30 ins dia. bears $N.17^{\circ}W.$ 17 lbs dist, Mkd
T.7.S. R.6.E. S.35. B.T. no other tree within ~~limits~~
limits dug pits 18x18x12 ins. in each sec
5 $\frac{1}{2}$ ft deep, and raised a mound of earth 2 ft. high
~~4 $\frac{1}{2}$ ft broad around post~~

land mountainous

Soil 3rd rate Timber of pine and
Oak, dense undergrowth of chaparral.

2nd Mile

West on true line set sec 283 $'$

Var $16^{\circ}45'$ East

1.30 Begin descent on North side of ridge
17.10 cross ravine course it & ascend
40.00 on North side of ridge set a post 3 ft long 3 ins
diam 24 ins. in the ground for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$
S. on West face from which an
Oak 14 ins diam. bears $N.11^{\circ}E.$ 80 lbs dist, Mkd. $\frac{1}{4}$ S. B. T.
no other tree within limits dug pits 18x18x12 in
E. & W. of post 5 $\frac{1}{2}$ ft deep and raised a mound

of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base around post and descended

- 47.00 Cross ravine course North & ascend
 53.00 Top of ridge bears NW & descend.
 64.25 Cross ravine course North.
 80.00 Set a post 4 ft long 4 ins sq. 24 ins in the ground
 for post to stand 2, 3, 34 & 35' marked T.7.S. S 35' on N.E.
 R.6.E. S 2 on S.E. T 85. S. 3 on S.W. ~~S 3 on S.W.~~
 S 34 on N.W. faces with 2 notches on E. and
 4 notches on W. edges from which an
 Oak 11 ins diam bears S 47° W 46 lbs dist Mkd.
 T 85 R 6 E S. 3. B. T. An Oak 10 ins diam. bears
 N $42\frac{1}{2}^{\circ}$ W. 43 lbs dist marked T.7.S. R. 6 E. S. 34. B. T.
 An Oak 10 ins diam bears N $18\frac{1}{4}$ E 31 lbs dist Mkd.
 T.7.S. R. 6.E. S 35 B.T. An Oak 8 ins. diam bears
 S $68\frac{3}{4}^{\circ}$ E 31 lbs dist marked T 85 R 6 E S. 2. B. T.
 Land Mountainous

Soil 3rd rate.

Heavy timber of Oak & Pine Undergrowth of
 Chaparral

3rd Mile

West over true line Bet. Pcs 34 & 34

(Var $16^{\circ}45'$ E)

- 18.00 Cross ravine course N.E. & ascend
 40.00 On top of chaparral spur bearing South.
 Set a post 3 ft long 3 ins diam 12 ins in the gd.
 for 14 sec. cor. Marked 14 sec on W. face big pile
 18 x 18 x 12 ins E. & W. of post $\frac{1}{2}$ ft dist and raised

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

- 53.00 Cross ravine course South & ascend
64.90 Top of chaparral Spur bears S.E. and descend.
68.80 Cross ravine course S. and ascend.
78.80 Top of ridge bears N.E. & descend
80.00 Set a post 4 ft long 4 ins sq. 2 1/2 ins in the ground
for cor to sect 3, 4, 33 & 34 marked T.T.S. S. 34 on N.E.
R. 6.E., S. 3 on S.E. T. 8.S. S. 4 on SW and S. 33. on NW
faces with 3 notches on East and 3 notches on
West edge
Ground which A pine 14 ins diam bears S 21° E.
26 lbs dist. Marked T. 8.S. R. 6.E. S. 3. B.T.
A pine 11 in diam bears N 73 1/2 ° E. 43 lbs dist. Marked
T.T.S.R. 8.E. S. 34. B.T.
A pine 12 ins diam bears N 82° W. 29 lbs dist. marked
T.T.S.R. 8.E. S. 33. B.T. no other trees within limits
dug pits 18x18x12 ins in each sect 3 1/2 ft dist and
raised a mound of earth 2 ft high 4 1/2 ft base around
post. Land mountainous Soil 3rd Rate.
Timber of pine and Oak dense undergrowth of
chaparral.

4th Mile.

- West On a true line Bet sect 4 & 3
Var. 16° 45' E.
Descend
4.00 Cross ravine course N.E. & ascend

- 17.20 Top of chaparral spur bears N.E.
 24.00 Recross spur and descend
 30.20 Cross ravine course N.E. & ascend.
 34.40 Top of chaparral spur bears North & descend.
 40.00 Set a post 3 ft long 3 ins diam 24 ins in the ground for 14 sec. cor. Marked 14 S. on W. east face from which an Oak 14 ins diam bears S 40° E 28 ls dist marked 14 S. B. T. An Oak 8 ins diam bears N 44° W 62 ls dist marked 14 S. B. T.
 45.35 Cross ravine course N.E. & ascend.
 53.50 Top of ~~spur~~ Ridge bears N.E. & descend.
 68.00 Cross ravine course North.
 80.00 Set a post 4 ft long 4 ins sq. 24 ins in the ground for cor to secs 4, 5, 32, 33. Marked T. T. S. S 33 on N.E. R. 6. E. S. 4. on S. E., T. 8. S. S 5 on S.W. and S 32 on N.W. faces with 4 notches on E. and 2 notches on W. edge From which An Oak 2 ins diam bears N 47° S 40 ls dist marked T. 8. S., R. 6. E. S. B. T.
 A Juniper 6 ins diam bears S 88° W 20 ls dist marked T. 8. S. R. 6. E. S. 5. B. T. No other trees within limits dug pits 18x18x12 ins in each sec 5 1/2 ft dist and raised a mound of earth 2 ft high 4 1/2 ft base around post land. Mountainous soil & slate Heavy timber of Oak and pine undergrowth of chaparral.
 5th mile
 West on a true line bet secs 5 & 32
 Var 16° 45' E
 Ascend.

- 5.70 Top of ridge bears N.W. & descend
- 17.20 Cross ravine course SW & ascend
- 20.30 Top of spur bears S.W. & descend
- 33.00 Cross ravine course SW
- 40.00 Set a post 3 ft long 3 ins deep 24 ins in the ground
for 1/4 sec cor marked 14 S. on West face. Ground which
an Oak 30 ins diam bears S. 10° E. 45 lbs dist. Marked
14 S. B.T. No other tree within limits, dig pits 18x18x12^{ins}
E.W. of post 5 1/2 ft dist, and raised a mound. of earth
1 1/2 ft high 3 1/2 ft base around post
- Ascend.
- 53.05 Top of spur bears South and descend.
- 65.10 Cross ravine course SW & ascend.
- 79.00 Top of ridge bears S.W.
- 80.00 Set a sand stone 24" x 24" x 24" ins 8 ins in the
ground for cor to sec 5, 6, 31 & 32 marked with 5
notches on east and 1 notch on west edges
Ground which an Oak 30 ins in diam bears N 8 1/2° E.
38 lbs dist marked T.7.S.R.6.E. S.32.B.T.
An Oak 8 ins diam bears S 20° E. 20 lbs dist. Marked
T.8.S.R.6.E. S.5.B.T.
- An Oak 6 ins diam bears S. 46 1/2° W 47 lbs dist. Marked
T.8.S.R.6.E. S.6.B.T. No other tree within limits
dig pits 18x18x12 ins in each sec 5 1/2 ft dist, &
raised, a mound of earth 2 ft high 4 1/2 ft base
around post. Land mountainous
- Fair soil moderate. Heavy timber of Oak and
pine undergrowth Chaparral

W

6th Mile

West true line Set sec 6 & 81

Var 16° 45' E

- 10.00 Top of spur bears SW. & descend
cross Rusticba creek 180 ft wide course north
32.00 cross trail to Robinsons upper camp following camp
set a post 3 ft long 3 in diam 24 in in the ground
for 1/4 sec 90'. Marked 1/4 S. on W. face from which
An Oak 14 in diam bears N 24° W 100 ft dist
marked 1/4 S.B.T. An Oak 10 in diam bears N 20° E.
67 ft dist marked 1/4 S.B.T.
- 42.00 cross ravine course N.W. & ascend.
77.70 Top of ridge bears N.E. & descend.
94.00 cross ravine course N. & ascend.
117.00 Top of spur bears North
119.64 Intersect West Bdy of Tp. at a point 73 ft North
of temporary stake and set a post 4 ft long 4 in
square 12 in in the ground. for cor to Tp. 8.S.
⁵⁺⁶
~~R. 6.E.~~ marked T.7.S. S. 31 on N.E., R.6.E. S.6 on S.E.
T.8.S. R.5.E., S.1 on SW T.7.S. R.5.E. S.36 on NW

From which

An Oak 16 in diam bears N 58° 12' E 66 ft dist Whd.
T.7.S. R.6.E. S.31 B.T. An Oak 14 in diam bears
S 82° E 50 ft dist Marked T.8.S. R.6.E. S.6.B.T.

(Note) the length of N. Bdy of sec 6 is therefore 75.73)

Land mountainous Soil 3rd rate

Heavy timber of Oaks and pine undergrowth
of chaparral. Before proceeding with the subdivisions
of this Tp. I made a change of 6 minutes

7 CENTER POINT 6 EAST

w the latitude arc of my Solar compass by adding same to the reading previously given and at noon verified & corrected same by observation on the sun. I also further tested instrument by reversing

July 9 - 1881.

E.B. T.T.S.R. 6 E. M.D.M.

Survey made with a solar transit in first rate order. Made by William Schmolz of San Francisco Cal. This instrument was examined and compared with the true Meridian at San Francisco on September 10, 1880 and found to be correct.

At noon on Aug 15-1881 I set my instrument at the cor to Tps 7 and 8 S Rv 6 & 7 E. I carefully examined all the adjustments and found them correct. I took the latitude and found it to be $37^{\circ} 17' W.$ and proceed to run as follows:

From the cor to Tps 7 & 8 S Rv 6 & 7 E. which is a black trap rock 30x12x12 ins 22 ins in the ground. marked with 6 notches on each edge and a mound of stone

From which bears
A White Oak 20 in dia $S 48^{\circ} W$ 70 lbs disk

" " " 8 " " $S 48^{\circ} W$ 48 "

" " " 8 " " $N 74 \frac{1}{2}^{\circ} W$ 75 lbs "

" " " 18 " " $N 62 \frac{1}{2}^{\circ} E$ 29 "

I ran retracing range line between Tps 7 & 8 R. 6 & 7 E.

North between Secs 31 & 36

Var. $16^{\circ} 30'$ East

- 40.00 No signs of 1/4 sec cor
 80.00 No signs of cor to secs 25, 30, 31 & 36.
 120.00 No signs of 1/4 sec cor
 160.00 No signs of cor to secs 19-24-25 & 30
 200.00 No signs of 1/4 sec cor
 240.00 No signs of cor to secs 13-18-19-24
 280.00 No signs of 1/4 sec cor nor of the bearing tree
mentioned in notes
 320.00 no signs of cor to secs 7-12-13-18
 Being unable to find any trace of the old line,
 I send for one of the settlers living further down
 crow creek who assisted at the survey of TTSRTE
 and with his help I find the cor to secs 7-12
 13-18 at
 331.00 I make a point 10.60 chs E. of this ~~point~~
 corner where I find a gray sand stone 18x12x8
 ins. in mound of 5 small stones I remark
 same stone with deeper marks and build stone
 mound 2 ft high & 1 ft base
 from which bears
 a white Oak 20 in diam S $36\frac{1}{2}$ ° E. 690 lbs dist
 no other tree within limits
 As there is a bearing tree called for in the official
 notes $\frac{1}{2}$ mile S. of this point, I concluded to run S.
 first before establishing a straight line to the TPS
 Cor. started from
 Therefore from the cor to secs 7-12-13 & 18
- I run

South between sec 13 & 18

Var 16° 30' East.

- 1.00 Cross ravine runs S.E. and ascend.
 8.16 Top of Spur bears E. and descend
 15.05 Cross ravine runs S.E. and ascend in Oak Timber
 39.82 Make at point 19 lks E of 14 sec cor. as marked
 by standing bearing tree. I find an old stake
 lying down, and reset it in a mound of earth
 2 ft high 4 1/2 ft base

Return course N 16° E

From this cor continue my line South.

- 44.52 Top of ridge with rocky cropping's bears E & W.
 and descend.
 57.92 Cross deep ravine runs S.E. and ascend
 69.12 Top of high spur bears E. and descend.
 75.32 Head of ravine runs S.E. and ascend.
 79.82 Sharp top of spur covered with loose Rock bears S.E.
 After a long search I am unable to find any
 trace of old cor to secs 13-18-19 & 24 and I there
 fore establish said cor, at this point by setting
 a black Sand stone 18 x 12 x 4 ins. 12 ins in the
 ground, marked with 3 notches on N. and S. edges
 and raising a mound of stone 2 ft high 4 1/2 ft
 base on a solid bench, cut out of the steep
 S.W. side of spur

From which bears

A white Oak 12 in dia S 80° E 234 lks dist
 marked T. T. & R. T. S 19 B. T.

No other tree within limits

Sand mountainous Soil 3rd rate.
 Heavy timber of Oak and undergrowth of same
 Aug 15 - 1881

Being unable to find the original cor to sec 13-18-19-24 I conclude to run a straight line from the cor as re-established to Tp cor. Having found considerable local attraction on my sand bar line I conclude to test my work by an actual transit line from the two extremities of the line I therefore leave a flag at cor to sec 13-18-19-24 and proceed to the high ridge about $\frac{1}{2}$ miles to the south from which both the flag on the Tp cor. and the flag on the sec cor are visible getting my transits in an exact line between the two flags I find the course to read N $2^{\circ} 28' W$ & S. $2^{\circ} 28' E$. Leaving a flag at this point I return to Tp cor. and from cor to Tps 788 S. R 687 E. I run along true range line between Tps 751 R 687 E N. $2^{\circ} 28' W$. between secs 31 & 36

Va. $16^{\circ} 30' E$.

Descend along steep brushy N.E. side of rocky spur bears N.W.

- 26.00 Cross Brushumba creek 200 ft wide just above the narrowest. Rough rocky bed with deep water holes and a little running water Ascend steep rocky slope of high and abrupt Mountain
- 33.00 Top of high rocky spur bears S.W. and descend.
- 38.00 Steep short ravine course S.W.

- 41.90 Set a black trapp rock $15 \times 10 \times 4$ ins 10 ins in
the ground for $\frac{1}{4}$ sec cot marked $\frac{1}{4}$ on W. face
and raised, a mound of stone
Pits impracticable
- 56.70 Top of high rocky spur bears S.W.
75.00 Head of rocky ravine course Q.W.
83.80 N.W. slope of short spur bears W
A trapp rock in place $34 \times 24 \times 26$ ins above
ground which I marked for cot to sec 25-30-31 & 36
With a cross, at exact cot point and 1 notch on
S. and 5 notches on N. edges and raised, a
mound of stone, pits impracticable
from which bears
A White Oak 8 in dia $S 51\frac{1}{2}^{\circ}$ E. 42 lbs dist.
Marked T.T.S.R.7.E. S 31 B.T.
A white Oak 14 in dia $S 60\frac{1}{4}^{\circ}$ W 117 lbs dist.
Marked T.T.S.R.6.E. S 36 B.T.
A White Oak 20 in dia $N 24\frac{1}{2}^{\circ}$ W. 122 lbs dist.
Marked T.T.S.R.6.E. S. 25 B.T.
A White Oak 12 in dia $W 30^{\circ}$ E 175 lbs dist.
Marked T.T.S.R.7.E. S 30 B.T.
Land Mountainous Soil 3rd rate.
Heavy timber of Oak and undergrowth of Laurel.
- W. $2^{\circ} 28' W$ between secs 25 & 30
Var. $16^{\circ} 30' E$
- Ascend to high ridge
17.30 Head of ravine course Q.W.
23.60 Top of rocky spur bears S.W.

- 41.90 Black sand stone in place 20x10x2 ft above ground which I marked for 14 sec cor with a X at exact cor point and 14 on W face no tree within limits
- 47.00 High rocky point
- 51.70 At flag on main ridge which is all black croppings and covered with oak timber sloping N Ridge bears N.W. & S.E. and descend on spur bears N.E.
- 78.50 Cross ravine course N.E.
- 83.80 Set a sand stone 26x18x6 ins. 20 ins in the ground for cor to sec 19-24-25-30 marked with 2 notches on S. and 4 notches on N. edges and raised a mound of stone
Pile impracticable from which bears
- @ White Oak 28 in dia $\angle 11^\circ$ W 413 lbs dist
Marked T.T.S.R.6.E. S.25. B.T.
- A White Oak 20 in dia $S 8\frac{1}{2}^\circ E$ 40.5 lbs dist
Marked T.T.S.R.7.E. S.30.B.T.
- No other tree within limits
- Land Mountainous Soil 3rd rate.
Heavy timber of Oak and vegetation of bunch grass.
- N. $2^\circ 28' W$. between sec 19 & 24
Var $16^\circ 30' E$ west
- 6.70 Ravine course N.E.
- 16.50 Ridge bears S.W. & E
- 23.00 Ravine course N.E.

SECTION 7 TOWNSHIP, RANGE 6 EAST

- 41.90 High brushy spur bears N.E. and set a white Oak post 3 ft long 3 ins diam 12 ins in the ground for 1/4 sec cor (Marked 1/4 S on W face) dug pit 18x18x12 ins E & W. of post 5 1/2 ft dist and raised a mound of earth 1 1/2 ft high 3 1/2 ft base around post.
- 49.70 Cross Willow spring branch of Bustumba creek; dry rocky bed 6 lbs wide course S.E.
A trail along the abrupt steep W. side of ravine runs from N.
- 83.80 The cor to sec 13-18-19-24
Land mountainous Soil 3rd rate
Heavy timber of Oak and undergrowth of Chaparral and bunch grass
Aug 16-18 81.

(Note:) The remaining 3 miles of this line viz. E. Bdy. T. T. S.R. 6.E. continues as the W. Bdy. T. T. S.R. 7.E. as follows

West Bdy. T. T. S.R. 7.E.

Beg in at the cor to Township 6 T.S. R. 6 1/2 E.

and run

South Between Decr 186.

(Var. 15° 58' E.)

Descend abruptly

20.00 Ascend

40.00 Set a post 4 feet long 3 ins diam 2 feet in ground for 1/4 sec cor with mound 6 ft in dia at base 3 feet high and pit 18x12x12 ins as per inst Top of ridge, course N.W. & S.E. descend.

80.00 Set a stone 14x10x5 in. in a stone mound 5 feet
in dia at base 2 feet high as per instructions
for cor. to sec 6-7-1 & 12
Land steep and broken Soil 3rd rate.
No timber

South between 7 & 12

Var 15° 58' E

Descend gradually

33.50 Crow creek 30 lbs wide runs E. over level land

40.00 Set a post 4 $\frac{1}{2}$ ft long 4 in dia 3 feet in ground
for "4 see cor as per instructions
from which.

An Oak 24 in dia bears S 30° E 10 lbs sick

44.20 Ascend steep hill

70.30 Descend

80.00 Set a stone 18x12x8 in. in a stone mound 4 $\frac{1}{2}$
ft in dia, at base 2 feet high as per instructions
for cor to sec 7-18-12 & 13

Land generally steep Soil 3rd rate.
Timber scattering Oak.

South between Secs 13 & 18

Var 15° 58' E

Descend

2.50 W ravine course E. Ascend

12.25 Descend

29.60 Ascend

40.00 Set a post 4 ft long by 3 in dia 2 feet deep for

TOWNSHIP 7 SOUTH, RANGE 7 EAST

- 14 sec cor from which
An Oak 15' in diam. bears N 63° E 66 lbs
48.00 Descend abruptly
64.10 Ascend
80.00 Set a stone 15x11x6 in a stone mound.
4½ feet in dia at base 2½ ft high, as per mets
for cor to secs 18-19-13 & 24 on top of hill
and steep and broken Soil 3rd rate
Timber scattering Oak

Feb. 18th 1874.

Part of South Boundary of T. 7 S. R. 7 E. M. S. M.

From cor to T. 7 S. R. 7 E.

True

West, on, a true line between

Secs 36 & 1

Var 15° 37' E.

- 40.00 Set charred 14 sec post in mound of earth with
trench & pits as per instructions
80.00 Set charred post in mound of earth with trenches
and pits, as per instructions for cor to secs 1-2 -
35-36 to foot of impassable mountains
and hills Soil 2nd rate

Survey completed Sept 27th 1859.

Later Survey of S-Bdy. T.S.R.T.E
Begin at the cor to sec't 35 & 36 on the S.Bdy.

I Run

West on a random line along the S. Bdy of sec't
35 - 34 - 33 - 32 - & 31

setting temporary half mile & mile posts at every
4000 and 8000 chs and at 5 miles and 43.90 chs
at points 4.95' N. of cor to Tps 788 S. R. 6 & 7 E

Var 15° 58' E

The correction will therefore be 90 ft per
mile

From the cor. to Tps 788 S. R. 6 & 7 E.

I Run

N. 89° 21' E on a true line between

Sec's 31 & 6

Var 15° 58' E

Descend

10.15' ascend

20.10' descend

31.45' ascend

42.60' descend

61.20' ascend

83.90' set a stone 16x10x5' in a stone mound 5' feet in dia
at base 2 feet high, and per maste for 14 sec cor on
top ~~on~~ top of a hill

descend

91.20' ascend

100.17' descend

109.21' ascend

123.90 Set a stone 24x15x6 in a stone mound 4½ ft in dia, at base 2 feet high as per instructions for cor to sec 31-32-5 & 6

from which

an Oak 15 in dia bears N 76° W 34 lbs dist. on top of a high ridge course N 75°

Land steep and broken

Soil 3rd rate Timber Scattering Oak

N. 89° 21' E. on a true line Between

Decls. 32 & 5'

Var. 15° 58' E.

Descend abruptly

17.50 Ascend

34.75 Descend

40.00 Set a stone 14x12x4 in a stone mound 5 feet, in dia, at base 2 feet high as per instructions for ¼ sec cor on steep hill side

67.40 Prairie course N.E. Ascend

80.00 Set a stone 18x8x4 in a stone mound 4½ feet, in dia, at base 2 feet high as per instructions for cor to sec 32-33-4 & 5.

Land Steep and broken Soil 3rd rate
Timber Scattering Oak Feb. 20. 1874

N 89° 21' E. on a true line between Decls 33 & 4

Var 15° 58' E

Ascend

12.60 Descend

20.40 Ascend
 25.15' Descend
 33.18 Ascend
 40.00 Set a stone $12 \times 10 \times 5$ in a stone mound 5 feet in dia at base 2 feet high as per instructions for 1st sec cor. descend.
 53.20 Ascend
 67.70 Descend
 80.00 Set a stone $14 \times 10 \times 8$ in a stone mound $4\frac{1}{2}$ ft in dia at base $2\frac{1}{2}$ feet high as per instructions for cor to sec 33-34-3 & 4
 Hand rough and broken
 No timber. — Soil 3rd rate.

N. $89^{\circ} 21'$ E, out w^E true line between sec 34 & 3
Var $15^{\circ} 58'$ E.

Descend
 6.20 A ravine course N. ascend.
 16.75' Descend
 28.25 Ascend
 40.00 Set a stone $16 \times 12 \times 3$ ins. in a stone mound $4\frac{1}{2}$ feet in dia, at base 2 feet high as per instructions for 1st sec. cor. on top of a ridge course N. descend.
 62.50 Ascend.
 80.00 Set a stone $14 \times 10 \times 6$ in a stone mound 5 feet in dia at base $2\frac{1}{2}$ feet high as per instructions for cor to sec 34-35-2 & 3.
 Hand rough and broken
 Soil 3rd rate No timber

SECTION LINE 7 SOUTH, RANGE 7 EAST

N 89° 21' E. on a true line between Recs 35 & 21

Var 15° 58' E

Ascend

9.50 Descend

40.00 Set a post 4 ft long 3 in dia 2 feet deep for 1/4 Rec. cor.
in a mound 6 feet in dia at base 3 feet high
With pits 24x18x12 as per instructions in a
ravine course N.E. Ascend gradually

51.30 Over rolling hills

80.00 Thence to sec 35-36-1821

Land generally steep Soil 3^d rate no timber
Survey completed Feb. 21st 1874

Western Boundary T. 7 S. R. 7 E. East Bdy 7-7

South between sec 1 & 6

Var 15° 30' E.

40.00 Set charred 1/4 sec post in mound of earth with trenches
and pits as per instructions in deep gulch 1.00 ch
wide bears N.E.

75.00 Top of high ridge bears nearly E & W.

80.00 Set charred post in mound of earth with trenches
& pits as per instructions for cor to sec 1-6-7-12
on South slope of ridge
Land high hills Soil 2^d rate.

South between secs 7 & 12

Var 15° 30' E

- 40.00 Set charred 1/4 sec post in mound of earth with trench & pits as per instructions
Cross ravine 15' wide course N.E.
- 47.00 Set charred post in mound of earth with trench & pits as per instructions for cor to sec 7-12-13-18
Land hilly Soil 2^d rate

South between 13 & 18

Var 15° 30' E

- 40.00 Set charred 1/4 sec post in mound of earth with pits & trench as per instructions
Set charred post in mound of earth with trench & pits as per instructions for cor to sec 13-18-19-24
Land hilly Soil 1st & 2^d rate.

South between Secs 19 & 24

Var 15° 30' E.

- 40.00 Set charred 1/4 sec post in mound of earth with trench & pits as per instructions
To deep ravine 30' wide course S.E.
To steep bluff 50 feet high enter Bustumba Creek
Cottonwood beard of E.
To Pycamore tree 18 in dia in creek mark same
for cor to sec 19-24-25-30 from which another pycamore
beard 532' N.W. dist 25' has land hilly Soil 2^d
rate pycamore timber in & along creek which
is dry at present.

7 SOUTH, RANGE 8 EAST

South between Sec 25 & 30

Var 15° 30' E

- 6.00 Leave Brustember Creek bears N.E.
 40.00 Set charred 1/4 sec post in mound of earth ~~south~~
 with trench & pits as per instructions at foot of
 high hill leave Canon
 8.00 Set charred post in mound of earth with trench
 & pits as per instructions for cor to sec 25-30-31-36
 High hills Soil 2d rate 1st 1/2 mile level 1st rate

South Between 31 & 36

Var 15° 30' E

- 40.00 Set charred " sec post in mound of earth with
 trench & pits as per instructions
 8.00 Set charred post in mound of earth with trench
 and pits as per instructions for cor to T 7 S R 8
 18 8 E at foot of high ridge bears S E & S W
 land high hills Soil 2d rate.

S. B. T. 7 S. R. 8 E.

From cor to T 7 S R 7 18 E
 east now for random line along South Bdy of
 sec 31-32-33-34-35 & 36

Var 15° 30' E

I set temporary half mile and mile posts at
 40.00 & 80.00 chains, at 6 miles 12 chains I intersect
 1.00 south of post cor to T 7 S R 8 1/2 E. the correct
 iron will therefore be 12.00 chs East & 17 chs north

per mile

Sept 27th 1859.

From cor to T 7 S 8 S R 8 + 9 E. I run
West on a true line between sec 36 & 1

Var. $15^{\circ} 37' E$

- 4000 Set charred $\frac{1}{4}$ post in mound of earth with
trenches & pits as per instructions
- 5000 Set charred post in mound of earth with trench
& pits as per instructions for cor to sec 1 - 2 - 35 - 36
Land level Soil 1st rate.

West on a true line between sec 35 & 2

Var $15^{\circ} 37' E$

- 4000 Set charred $\frac{1}{4}$ sec post in mound of earth with
trench & pits, as per instructions
- 60.00 Enter low rolling hills bears S.W. & N.E.
- 8000 Set charred post in mound of earth with trench
& pits as per instructions for cor to sec 2 - 3 - 34 - 35
First 60.00 chs level - Soil 1st rate balance
rolling Soil good 2^d rate.

West on true line between sec 34 & 3.

Var $15^{\circ} 37' E$

- 4000 Set charred $\frac{1}{4}$ sec post in mound of earth with
trench & pits as per instructions
- 8000 Set charred post in mound of earth with ~~mound~~
pits & trench as per instructions for cor to sec
33 - 34 - 38 & land rolling Soil good 2^d rate

West on a true line between sec 33 & 4

Var. $15^{\circ} 37' E$

- 40.00 Set charred 4" sec post in mound of earth with trench and pits as per instructions
- 80.00 Set charred post in mound of earth with trench & pits as per insta for cor. to sec 32-33-4 & 5
land hilly Soil 2^d rate.

West on a true line between sec 32 & 5

Var. $15^{\circ} 37' E$

- 40.00 Set charred 4" sec post in mound of earth with trench & pits as per instructions
- 80.00 Set charred post, in mound of earth with trenches & pits as per instructions for lot to sec 31-32-5 & 6
land hilly Soil 2^d rate.

West on a true line Between secs 31 & 6.

Var $15^{\circ} 37' E$

- 40.00 Set charred 4" sec post in mound of earth with trench & ~~round~~ pits as per instructions
- 92.00 the cor to 77+8S R7+8E.
land hilly Soil 2^d rate.

T 7 SOUTHERN RANGE S EAST

Eastern Bdy. T 7 S.R. S.E.

South on 1st Mile

Var $15^{\circ} 45' E$

- 4000 Set gr sec stake with trencher &c.
 8000 Set sec stake made mound pits trencher & deposited charcoal. as required per instructions
 marked stake for secs 1-6-7 & 12.
 Double peak bears S $19\frac{1}{2}^{\circ}$ W
 Sharp " " S $81\frac{1}{4}^{\circ}$ W
 A point of timber in a grove bears S 74° W.

On 2d Mile

- 4000 Set gr sec stake with trencher
 8000 Set sec stake made mound pits trencher and deposited charcoal. as required per instructions
 marked stake for secs 12-13-17 & 18
 Point of timber bears S $87\frac{1}{2}^{\circ}$ W
 Double peak " " S $26\frac{1}{2}^{\circ}$ W
 Land level Rail 2d. rate

South on 3rd Mile

- 4000 Set gr sec stake with trencher
 4700 To a little mound & ascend.
 5000 Top of mound & descend
 5300 Foot of mound low level plain.
 8000 Set sec stake made mound pits trencher and deposited charcoal. marked stake for secs 13-18-19-24

South

On ^{the} 4th Mile

- 40.00 Set stake with trenches
 80.00 Set sec stake made mound pits trenches and deposited charcoal as required per instructions
 marked stake for sec 19-24-25-30
 Point of timber bears N 66 $\frac{1}{2}$ W
 Sharp peak .. N 87 $\frac{3}{4}$ W
 A large rock on Ridge bears S 66 $\frac{3}{4}$ W
 Land and soil same as last mile

South on

5th Mile

- 40.00 Set sec stake with trenches
 80.00 set sec stake made mound pits trenches and deposited charcoal as required per instructions
 marked stake for secs 25-30-31-36
 Large rock on Ridge bears S. 71 $\frac{1}{2}$ W
 Land level Soil 2^d rate

South

On 6th Mile

- 14.50 To wagon road course E.
 40.00 Set gr sec stake with trenches
 80.00 Set township post made mound pits trenches and deposited charcoal as required
 marked post for R 8T 9E - T. 7 & 8 S. Secs. 1-6-31-36
 sharp peak bears N 72 $\frac{1}{2}$ W large rock on ridge

bears S 76 $\frac{1}{2}$ ° W

Land level Soil not good.

2nd Stand S.R.H.E.

East, on N. Bound sec 2 -

Var $15^{\circ} 35' E$

- 27.50 To head of deep canon Co. S.E.
- 28.00 A branch of running water 25' wide Co. S $10^{\circ} E$.
- 40.00 Set post for 1/4 sec cor made mud trenches
and pits as per instructions for wh.
P. Oak - 12" - N $17^{\circ} E$ - 8 lbs
" - 6" - S $44\frac{1}{2}^{\circ} W$ 63 "
- 80.00 Set post for sec 2 & 1 made mud trench & pits as
per instructions for wh.
Pine - 24" - N $49^{\circ} W$ - 54 lbs.
Oak - 8" - S $60\frac{1}{2}^{\circ} E$ - 34 "
2^d rate grazing broken. Post Oak & Scattering Oak
& pine

East W. bound sec 1 U. $15^{\circ} 35' E$.

- 40.00 Set post for 1/4 sec corner made mud trenches, pits
as per instructions for wh. bears
Sp. bl oak - 10" - N $22^{\circ} W$ - 58 lbs
P. Oak 15" N $45^{\circ} E$ 35 "
- 80.00 Set post for cor to secs 1 & 6, T 9 S R 4 + 5 - E
made mud with trenches & pits as per instructions
for wh. P. Oak - 12" - S $9^{\circ} W$ - 215 lbs
" " - 15" - S $44\frac{1}{2}^{\circ} W$ 320 "

No other bearing trees

2^d grazing gd. hilly, pine & cat. Oak

Beg at estab cor to T 9 S R 5 + 6 E being on 2d stand S.
Grew East, on N. Bdy. of sec 6.

V. $15^{\circ} 35' E$

- 4000 Set grey granite rock for 14 sec cor made rock
fr. wh. Post Oak - 8" - $S 60^{\circ} W$ - 150 lbs
" " - 5" - $N 33\frac{1}{2}^{\circ} W$ 75 "
- 5600 Go right bank of a dry cr. co $S 15^{\circ} W$
- 6400 To left bank of cr. (Coyote Cr.)
- 6500 To foot of Mts N & S covered with charred scrub
surf. Broken - 10' easterly attraction at this point
- 7300 To top of ridge, N & S.
- 8000 Set charred post, cor 6 + 5' made Md trench etc
no bearing s/l found.
2d rate, broken. Dead post Oak, Pine & undergrowth
East on N. B. of sec 5'

Vav. $15^{\circ} 35' E$

- 2600 foot of Mts N & S. covered with chap
- 4000 set grey granite rock for 14 sec cor made Md
of rocks etc fr wh.
Red Oak - 8" - $N 30^{\circ} E$ - 150 lbs
Pine - 10" - $N 2^{\circ} W$ - 93 "
- 8000 set charred post cor to 5 + 4 made Md etc
no bearing s/l found 2d rate hilly & broken
Grease Wood bushes & Scrub Oak

East on N. B. of sec 4

Vav $15^{\circ} 35' E$

- 4000 Set chd post for 14 sec cor made Md Etc no bearing

5000 Leaved chap.
 7350 Top of Mountain ranging N+S.
 7400 Land declines to East.
 7800 To heavy grease wood & scrub Oak, Chap.
 8000 Set chd post for 4 & 3 made rocks Md. no bearing
 found. 2^d rate hilly dead pine & scrub post Oak

East. on H.B. of sec 3 Var $15^{\circ} 35' E$
 1000 Low. asc. East
 40.00 Set gray granite rocks for 1/4 sec cor made rocks
 found no bearings
 80.00 Set slate rocks for 3 & 2 made rocks found no
 bearings found. 2^d rate hilly & very broken
 strat. dead post Oak & pine

East H.B. Dec 2 Var $15^{\circ} 35' E$.
 40.00 Post Oak-18" for 1/4 P. Cor. no bearings
 64.00 Go to a dry creek 1 ch wide Co. S.
 80.00 Set post for 2 & 1 made Md of earth &c fr wh.
 Post Oak-12"-N $13^{\circ} W$ - 32 lbs
 " " - 15" - S $9^{\circ} E$ - 64 "

The cor is on top of ridge ranging N+S 2^d rate
 broken-pine & post Oak

East H.B. Dec 1 Var $15^{\circ} - 35' E$.
 20.50 Go West bank deep ravine Co. S.
 23.50 Go E. bank of rav.
 40.00 Set post for 1/4 P. Cor. made Md etc fr wh

Post Oak - 15" - S $30\frac{1}{2}$ ^o W - 130 lbs

" " 7" - N $30\frac{3}{4}$ ^o W - 42 "

80.00 set post cor to sec 1 & 6 Tp. 9 S. R. 5 & 6 E. made mud etc
from which

P. Oak - 13" - N 45° E - 49 lbs

" - 18" - S $33\frac{1}{2}$ ^o W - 84 "

2^d rate, good grazing broken

Post Oak & pine Greasewood bushes.

R. 6. E.

Beginning at east cor to T. 9 S. R. 5 & 6 E being on
2^d stan south I ran

East W. B. sec 6 N. 15° 35' E.

4000 set chd post for 1/4 sec cor. made mud etc
no bearings

62.50 To top of ridge N. 0 S.

8000 set gray granite rock for 6 & 5' no bearings found
2^d rate, hilly ^{Seal}, ^{Rock} Post Oak & pine & post Oak

East W. B. Dec 5' N 15° 35' E.

8.50 To post Oak timber

15.70 a deep gulch 25' wide Co. S.

4000 set post 1/4 S. cor made mud etc for wh
Post Oak - 13" - S 73° E. - 21 lbs

" " - 15" - S 74° W - 20 "

8000 set post cor 5 & 4 made mud earth etc. for wh
Post Oak - 9" - N 86° E - 25' lbs Post Oak - 6" - N 25° W 63 lbs

2^d, rate, hilly scattering pine & post Oak, scrub, Oak
grease wood & buckeye bushes

East H. B. sec 4 Var. $15^{\circ} 35' E$
 40.00 Set post 14 sec cot made mud etc fr wh.
 P. Oak - 12" - N $33^{\circ} E$. - 33 lbs
 " " 9" - S $72^{\circ} E$ - 28 "
 8.000 Set gray granite rock for cot sec 4 & B made
 mud etc no bearing found 2^d rate hilly
 dead pine & post oak - Greasewood & scrub Oak
 timber

East H. B. Sec 3 Var. $15^{\circ} - 35' E$.
 40.00 Set gray granite rock for 14 sec cot made mud
 no bearing at
 8.000 Set sand stone for 3 & 2 made mud etc fr wh.
 P.O. - 8" - S $85^{\circ} W$ - 50 lbs
 no other bearing trees 2^d rate hilly seat pine
 & post Oak

East H. B. sec 2 Var $15^{\circ} 35' E$
 40.00 Set post for 14 sec cot made mud etc fr wh
 Pine - 8" - S $72^{\circ} W$ - 60 lbs No other bearing trees
 51.00 Go top of ridge N & S div. div. the waters of
 S. J. & San B mts about 1,000 ft high
 8.000 Set slate rock Cot 2 & 1 made rock mud fr wh.
 P.O. - 6" - S $12^{\circ} E$. - 5-4 lbs no other bearing tree found
 2^d rate - Very broken post Oak & scattering pine

East H. B Dec 1 V. 15° 35' E.

- 40.00 set chd post for 1st P. cor. Made rock Md.
no bearings
- 80.00 Marked post, Oak 8" for cor to T 9 S R 6 + 7 E. as
per inst. no bearings 2^d rate, broken pine
& post Oak Greasewood & scrub. Oak bus

— R. T. E. —

Beg at east cor T. 9 S. R 6 + 7 E. I run

East H. B. Dec 6 V. 15° 35' E.

- 40.00 Pine tree 5" dia marked as per instructions
for 1st sec cor (no bearings found)
- 75.00 To Kinto creek Co N. 80° E. dry
- 80.00 To point for cor 5 + 6 thence North 100 lbs
set sand stone raise stone mound as witness
to said cor. to sec 5 + 6. no bearings found
land very broken 3^d rate.

East H. B. Dec 5. Var 15° 35' E.

- 2.0 Right bank Kinto Cr.
- 12.0 To Kinto cr. Co. S.E. 250 lbs wide
- 40.00 Set sand stone for 1st sec cor raise stone and
- 80.00 Set sand stone for 4 + 5' raise stone and
land very rough & broken - 3 soil - Chap.

East G.B. Dec 4. Var. $15^{\circ} 35' E$
 40.00 a pine tree 20" dia for 1/4 sec cor no bearing fil
 80.00 set flat stone for 30x raised mid of stone
 land extremely broken 3rd rate soil Chap

East on H.B. Dec 3. Var. $15^{\circ} 35' E$
 40.00 set sand stone for 1/4 p. cor. & raised stone mid
 80.00 set sand stone, notched, cor to sec 2 & 3 &
 raised stone mid. land extremely broken
 3rd rate soil (cat fine & post oak) in heads
 of gulches.

R & E

Retracing 2^d P. R.

from stand cor to the 9^s R & E. I run west
out random on N.B. of sec 1. $W_{10}^{\circ} 45' E$
cross ravine Co S.W. & ascend

3.00 Top of spur bears S. & des.

2.00 Cr. ravine Co S.W. & asc.

3.94 To pit 40 lbs D. of 1/4 cor which I find destroyed
I re-establish the locus thereof from the
bearing trees

Post Oak - 30" - S $33^{\circ} W$ - 130 lbs
set post for 1/4 sec cor fr. wh.

P.D. - 13" - S $13^{\circ} 34' W$ - 128 lbs marked

The return course is therefore S $89^{\circ} 26' E$

4.10 Top of spur bears S.W. & des.

5.30 Cr. ravine Co N.W. & asc

End of short spur Co S & des.

56.00 To panther Gul. Co N. & asc along S side of
long timbered spur bearing E.

78.84 To pit 130 lbs S of cor. to sec 1 & 2 Wh I find
destroyed I establish the locus thereof
fr two standing bearing trees

P.D. - 18" - N $13^{\circ} W$ - 32 lbs

" " - 26" - S. $9^{\circ} E$ - 65 "

Set post for stand cor to sec 1 & 2 fr wh.

P.D. - 12" - S $8^{\circ} W$ - 55 lbs

return Co. is S $8^{\circ} 43' E$ Land mts. Soil
Pine & Oak & Chap

West on sand on H.B. Rec 2.

Naz. $16^{\circ} 45' E$

Ascend

- 3.08 Top of high ridge, div. Crest Cr. & Panther Gul.
bears N & S. & des.
- 14.80 CW Prestinbar cr do the wide to NE & asc.
along S. side of dry rav.
- 39.36 Go pt 10 lks S. of 1/4 sec cor which is a
marked post Pah - 18" - which I remark
The return course is therefore $S 89^{\circ} 1' E$
- 39.80 in mouth of dry ravine fr the Pt. Cont. to
asc in dense Chap. on S. side of same
ravine
- 78.42 Go pt 130 lks S. of Cr. to 273 which is a
stake rock in Md fr. Wh.
P.C. - 18" H. 46 $\frac{1}{2}$ w - 250 lbs
Ret co is $S 88^{\circ} - 17' E$
Land mts Part 3. Pah & Chap

Frown Stand cor to sec 273 I run West on
sand I run west on H.B. of Rec 3.

Naz. $16^{\circ} 45' E$

Ascend along open bench

- 6.50Leave bench & enter brush a small spring
about 2 hrs N.
- 11.00 Top of ridge bears N & S water div bet S.J.
& S.C. Valleys des.
- 17.10 CW rav. Co SW & asc

- 24.30 Top of spur co SW & desc.
32.80 Cr. canon co S. one of main heads of packees
Cr asc.
38.50 To 1/4 s. Cr. which I find nearly dest. rebuild
same set post
57.40 Top of ridge co N.W. & S.E. & desc.
65.00 Cr. ravine co S & asc
72.00 Top of spur bears S & desc
74.64 To pt. 46 lks N of cr to secs 3 & 4 which
I find nearly destroyed and rebuild same
set post & raise mid Ret. co is at $89^{\circ}45' E$
land like Soil 3. Pine & chap

Do not continue any further west.

TOWNSHIP 8 SOUTH, RANGE 5 EAST

West Bay. T.8.S. R.6.E. & E. Bay T.8.S. R.5.E.

From the cor. to T.8.S. R.5.E. & E. Bay

Draw northward a true line on West Bay T.8.S. R.6.E.

North

Between secs 31 and 36

Var $16^{\circ} 15' E.$

- 1.00 Cross ravine course West & ascend.
 16.50 Top of ridge bears West & descend.
 34.70 Cross ravine course West & ascend.
 40.00 Set a sand stone 18x24x6 in. 12 inches in the ground
 for 1/4 sec. cor. marked 1/4 on west face from which
 an Oak 18 in. diam. bears N $5\frac{1}{2}$ E 108 lbs disk marked
 1/4 S.B.T.
 No other tree within limits and raised a mound of
 stone fits impracticable.
 40.90 Top of spur bears West and descend.
 48.20 cross ravine course N.W. & ascend.
 57.40 Top of spur bears N.W. & descend through dense chaparral.
 68.70 Enter Orestimba Creek 115' (ft) course N.E. with beach
 along creek.
 80.00 On north side of creek set a post 4 $\frac{1}{2}$ ft long 4 in.
 square 24 inches in the ground for cor to secs 31, 30
 31-36 Marked T.8.S. S.30. NE R.6.E. S.31 on S.E. R.5.E.
 S.36 on S.W. and S.25 on N.W. faces with 3 notches
 on north and 1 notch on South edge from which
 a pine 30 in. diam. bears N $4\frac{1}{2}$ E . 108 lbs disk
 marked T.8.S. R.6.E. S.30.B.T.
 An Oak 12" diam. bears N $53^{\circ} W$ 130 lbs. disk marked.

marked T. 8. S. R. & E. S. ²⁵~~25~~ B.T.

Aw Oak 30 in. diam. bears S 35° W 125' dist. marked
T. 8. S. R. & E. S. 36 B.T.

A pine 30 in. diam. bears S 33° E. 30' dist. marked
T. 8. S. R. & E. S. 31 B.T.

Land mountainous soil 3rd Rate

Heavy timber of pine and oak undergrowth of chap-

North on 2^d Mile

Betw. secs 25 & 30 Val 16° 45' East

Along dry bed of Bristleback ch

Leave Bristleback creek course N.E.

Enter flat covered with dense chaparral.

Leave chaparral and cross ravine course East.

Enter post Oak timber & ascend.

Set a post 3 ft long 3 in. diam. 24" in the ground for
1/4 sec cor on West face from which

Aw Oak 18" diam. bears N 43 1/2° E. 41' dist. marked.

1/4 S.B.T.

An Oak 4 in diam. bears N 31 1/2° W 51' dist. marked 1/4 S.B.T.

Top of ridge bears East & descend.

Cross ravine course East & ascend.

Top of ridge bears East & descend

Cross Red ch. 75' ls wide course East one of the
main forks of Bristleback creek

Set a post 4 1/2 ft long 4 ins 24" in the ground.
for cor to secs 19-24-25 & 30 marked T. 8. S. S 19 on N.E.

R. 6. E.; S on 30 S.E., R. 5. E., S 25' on S.W. and S. 24' on N.W.

faces with 4 notches on N and 2 notches on S. edges

from which an Oak 12" diam bears N $39\frac{1}{4}^{\circ}$ E 132 ft dist
Marked T.S.S. R. 6.E., S. 19.B.T.

An Oak 14" diam bears N $33\frac{1}{4}^{\circ}$ W 70 ft dist marked
T.S.S. R. 6.E. S. 24.B.T.

An Oak 30" diam bears S $7\frac{1}{2}^{\circ}$ W 128 ft dist marked.
T.S.S. R. 6.E. S. 23.B.T.

An Oak 18" diam bears S 70° E. 137 ft dist marked.
T.S.S. R. 6.E. S. 30.B.T.

Land Mountainous Soil 3rd rate.
Heavy timber of Oak & pine undergrowth of Chaparral.

North

On 3rd mile

Bear right 19 & 24.

Van $16^{\circ} 45'$ E.

Ascend.

16. 20 Top of ridge bears S.E. & descend

19.56 An Oak 36 in diam on line

40.00 Set a post 3 ft long 3 ins diam. 24 ins in the ground.
for 1/4 sec. cor. Marked 1/4 S. on West. face

From which

An Oak, 30" diam bears S $14\frac{1}{4}^{\circ}$ E 30 ft dist marked.
1/4 S.B.T.

An Oak 34" diam bears N $39\frac{3}{4}^{\circ}$ E 32 ft dist marked S.B.T.

41.00 Cross ravine course N.E. Ascend.

44.00 Top of spur bears East & descend.

46.10 Cross ravine course N.E.

49.20 Enter chaparral flat

64.70 Leave chaparral flat and cross ravine course &
ascend

80.00 On S.E. side of spur.
 set a post 4 $\frac{1}{2}$ ft long 4" sq 24" in the ground.
 for cor to sec 13-18-19-21 marked T.S.S. S 18° 0' N.E.
 R. 6 E., S 19° 0' S.E., R 5 E., S 24° 0' SW and S 13° 0' N.W. face
 with 3 notches, one N. & S. edged from which
 An oak 6 in diam bears S 83 $\frac{1}{4}$ ° W 54 lbs dist marked
 T.S.S. R. 5 E., S 24 B.T.

An Oak 10 ins diam bears N 25 $\frac{1}{4}$ ° E. 46 lbs dist marked
 T.S.S. R. 6 E. S 18 B.T. No other trees within
 limits, dug pits 18x18x12 in each sec 5 $\frac{1}{2}$ ft dist
 raised a mound of earth 2 ft high 4 $\frac{1}{2}$ ft. base around
 post Land Mountainous
 Soil 3rd rate
 Heavy timber of Oak & pine. Undergrowth of Chaparral.

North

On 4th Mile

Var 16° 45' E.

Between sec 13 and 18

Ascend

Top of chaparral ridge bears H.S.

On Oak 20" diam which I mark 14 S on West face for 14
 sec. cor. From whichAn Oak 8 ins diam bears N 19° W 20 lb dist
 marked 14 S.B.T. on

Oak 8" diam bears East 36 lbs dist marked 14 S.B.T.

begin descent on East side of ridge

On North bank of dry ravine set a sand stone 18x8x4
 12 ins in the ground for cor to sec 7-12-13-18 marked.
 with 3 notches on N and 4 notches on S edge

Grow which Aw

Oak 8 ins diam bears N. 21° E. 40 lbs dist. Marked
T. 8. S. R. 6. E. S. 18. B. T.

A pine 8 ins diam bears S 1° E. 60 lbs dist. Marked
T. 8. S. R. 6. E. S. 18. B. T. (Aw Ø)

An Oak 12" diam bears S 47 1/2° E. 40 lbs dist.
Marked T. 8. S. R. 6. E. S. 18. B. T.

A pine 10 ins. diam. bears S 72° E. 22 lbs dist. marked T. 8. S.
R. 6. E. S. 18. B. T.

Land Mountainous Soil good rate.

Heavy Timber of Oak & Pine

Undergrowth of Chaparral.

Yoth

On 5th Mile

Between Miles 7 and 8

Sav 16° 45' East

- 5.00' Cross ravine course East & ascend
- 8.00' Top of Chaparral. Spur bears East and descend.
- 13.10' Cross main ravine course S.E. & ascend.
- 40.00' Set a sand stone 18x13x4 ins. 12 ins. in the ground for 1/4 sec cor. Marked 1/4 on West face and raised a mound of stone pits impracticable
- 55.20' Top of ridge bears S.E. & descend.
- 67.60' Cross ravine course S.E.
- 80.00' Set sand stone 6x8x4 ins 4 ins in the ground for 1/4 sec 1-6-7 8/12 marked with 1 notches on N and 3 notches on S. edge Grow which Aw Oak 13 ins bears N 77° W 240 lbs dist. Marked T. 8. S. R. 6. E. S. 18. B. T. no other tree within

limits and raised, a mound of stone pits impracticable

Land Mountainous Soil 3rd rate.
Timber of Oak and pine Dense undergrowth of
chaparral.

North

On 6th Mile

Between 186

Naz 16° 45' E.

Ascend

2.16 Top of Main ridge bears N.W. & S.E. and descend through thick underbrush

31.20 Cross ravine course N.W. & ascend

40.00 Top of chaparral spur bears N.W.
Set (stake) a post 3 ft long 3 ins. diam 2 $\frac{1}{4}$ " in.
the ground for $\frac{1}{2}$ sec cor. marked 147 S. on West face
from which An Oak 30 ins. diam bears N 20 $\frac{1}{2}$ ° E.

147 ls dist marked 147 S.B.T. No other trees within
limits dug pits 18x18x12 ins E & W of post 5 $\frac{1}{2}$ ft
dist and raised, a mound of earth 1 $\frac{1}{2}$ ft high c $\frac{3}{4}$ ft
base around post.

53.81 An Oak 14 ins diam.

56.00 Top of ridge bears N.W. and descend on North side of
ridge through Oak timber

75.00 Set trap cor for intersection with N. Bdy. of Tp.
Land Mountainous

Soil 3rd

Timber of Oak and pine

Dense undergrowth of Chaparral before further

(75.78)

TOWNSHIP 8 SOUTH, RANGE 6 EAST

with the exterior of this Tp. I made a change of 5 minutes in the latitude arc of my polar compass by adding same to the reading previously given, and at noon verified ~~sunset~~ and corrected same by observations on the sun. I also further test instrument by reversing. I took the latitude and found it to be $37^{\circ} 17'$ North.

July 3. 1881.

 West Boundary T 8 S R 7 E

From cor to Tps 7 & 8 S.R. 7 E. I run on random West bdy of Tp 8 S.R. 7 E.

Var $16\frac{3}{4}$ E.

South

and at

473.50 Intersect the 2d Standard line South, as previously (473.50) re-run, at a point 16.77 chs to West of cor to Tps 9 S. R. 6 & 7 E. where I mark a white Oak 4 in diam for cor., from which bears white Oak 26 in diam S $20^{\circ} 14' W$ 122 lbs

white oak 24 in diam West 145 lbs

April 5. 1880.

And from this cor. I run on true line west bdy of Tp. 8 S.R. 7 E. and sec 31.

North

Var $16\frac{3}{4}$ E.

Descend on narrow open slope and along edge of chap. to E.

- 4.62 white Oak 24 in diam on line
Ravine to West of N.
- 6.85' white Oak 13 in diam on line
- 7.12 white Oak 13 in diam on line
- 14.25' cross main North fork of the Quinto Creek, water
ways 5 lks wide, running water grassy bank
fr N.W. to S.E.
- 16.00 Enter thick chap which continues on sharp spur
to S.E. almost to the high pine ridge
- 22.20 in chap spur to S.E.
- 29.50 Chap ravine
- 38.75 Chap Spur to S.E.
- 40.00 Set 'n sec cor find Stake 3 ms sq 1 ft in ground &
2 ft above mound of rock 4 ft in draw at base 2 ft
high in dense chap.
- 44.50 Chap ravine to S.E.
- 52.75 Spur
- 58.00 head of main Ravine to S.E. bending suddenly to S. runs
5.00 chs E. of ~~the~~ line and running nearly Par. to it
into into the Quinto
- 63.20 Top of very high Pine Ridge water divide bet Garsas
and Quinto creeks in head fr S.W. to S.E.
- 65.40 Across it begin descent a remarkable lone pine 4 ft
in diam Conical shape is 5 lks to E. of line.
Begin descent in dense Pine & Oak Timber
- 72.00 Head of ravine to N.W.
- 74.05 On high Spur to N.W.
- 8.000 Set cor to sec 20-30-31+36 on the E. side of very
large rocky out-cropping, Set a white Oak stake
5 ms sq 1 1/2 ft in ground & 2 1/2 ft above mound.

of earth 5 ft in dia at base & 2 ft high from which bears a

White Oak 8 in diam. S 21°W 37 lbs

Pine 8 in diam S 14°E 4 in diam N 88°E 6 lbs

White Oak 5 in diam N 14½°W 17 lbs

Land 3d rate Very rough All chaps.
on South side of divide Bal dense Oak & pine timber

From Post. to sec. 25 - 30 - 36 & 31 I run

North

Var 16³/₄ E

along true W. Bdy of Tp. & Sec 30, descend in dense
pine Timber

16.00 Cross timbered ravine to R.W.

Spur to R.W.

26.50 Ravine to R.W.

29.17 White Oak 30 just diam on high & rocky spur R.W. on line

34.00 Head of ravine W. of H.

40.00 Set "4 sec Cor White Oak stake 4 in eq 1 ft in ground.
8 2 ft above mound of earth 4 ft in dia, at Base 8 2 ft high
from which bears White Oak 10 in diam S. 70°W

68.00 "8 lbs Pine 15 in. diam S 56 1/4°E 71 lbs descend along
apex of timbered Spur to W. of H.

55.00 Cross ravine to R.W.

58.00 Spur

60.00 Ravine to R.W. joining last cross out 2.00 chs below line

63.00 Spur to W.

66.15' Ravine

70.00 Spur

72.00 Ravine

- 76.50 Spur
- 78.06 Ravine
- 80.00 Det. cor to Secs 24, 19, 30, & 25 on apex of timbered Spur to N. of W. set a white Oak post 7 ins square $1\frac{1}{2}$ ft. in ground & 2 ft. above mound of earth 5 ft. in dia at base & 2 ft. high from which bears White Oak 21 in dia S $89^{\circ} 13'$ E. 47 lbs
White Oak 13 ins. $\overset{\text{dia}}{N} 15\frac{1}{2}^{\circ}$ E. 38 lbs.
- " 12 " N $24\frac{1}{2}^{\circ}$ W 34 "
- " 8 " S 37° W 28 "
- Land rough & rate thickly timbered with Oak & pine
Grazing
- From cor to sec 24, 19, 30 - & 25 I run along true
West Bdy of Gp. & Sec. 19
- North Var 16 $\frac{3}{4}$ East
- 4.50 Ravine to W.W.
- 9.04 Spur.
- 15.00 Cross S. Fork of Las Garzas Creek fr SW to NE.
rocky Bed. 30 lbs wide running water.
- 21.40 On spur to E
- 26.50 Ravine to E
- 33.75 Spur to S.W.
- 40.00 Det 1/4 sec. cor. White Oak stake 4 ins sq. 1 ft. in
ground & 2 ft. above mound of earth 4 1/2 in dia
at base & 2 ft. high fr which bears
White Oak 18 in dia S $29^{\circ} 40'$ W 233 lbs
White Oak 20 ins dia S $2\frac{1}{2}^{\circ}$ W 128 lbs
- 45.50 On high spur to S.W.

49.00	Cross ravine to E.
52.80	Spur
62.00	Cross Ravine to E.
63.45'	in saddle of Spur E & W begin very steep descent on bluffs of S. side of N. fork of Garsas creek
74.00	Cross N. fork of Garsas creek 60 ft. wide in rocky bed. full of running water fr. N.W. to S.E.
75.00	Ascend Bluff on S. side of creek
80.00	Set post to sec. 13-18-19 & 24 on top of high bluff on N. side of creek Set a Buckeye Stake on drain 1 ft. in ground & 2 ft. above mound of earth 5 ft. high from which bears
	White Oak 20 ins diam S 84° 14' W 5.38 chd
" " 15 "	S 20° 35' W 4.90 "
" " 24 "	S 4½° E 7.08 "

All these trees are on S. side & bank of Garsas Creek
no trees being to N. & E. of Stake - land rough
3rd rate Some grazing plenty of Woods timber
Apr. 6th 1880.

From Post to sec. 13-18-19-24. Grow along
along true W. Bdy. of P. & sec. 18
Nar 16° 14' E

63.25'	Spur
66.00	Across it & leave chap. descend in pine timber
77.00	Ravine to N. E.
63.25'	Spur "
69.50	Leave Ravine to S. of E. begin steep ascent which leaves here forks
74.00	Leave Garsas creek

80.00 Set cor. to sec 12-7-18 & 13 on very steep sage slope to S. set white Oak stake 7 ins. fig. 1 ft in ground & 2 ft above mound of earth 4 1/2 ft in dia at base & 2 ft high from which bears fine 8 ins diam S 35° 1/2 E 3.44 ch. w. Oak 9 in dia N 81° W 4.67 White Oak 8 ins. dia No 1.5" E 4.04 hand extraordinary rough 3rd rate $\frac{3}{4}$ mile chap. Bal. Pine and Oak timber

From cor to secs 12-7-18 & 13 run along true W. Bdy. of Tp. & Sec 7.

North

Nar 16 3/4 E.

3.81 Top of ridge to East descend
7.50 Head of ravine I. C.
12.10 A Very high Water divide bet Las Garsas & Pres here E.W. A Very high Peak is some 5' ch. to W. and a low saddle with trail some 6:00 ch. to E. begin descent over series of fine spurs coming out of said high peak and falling steep to W.E. Ravine to N.E.
25.00 Spur "
33.00 Ravine "
38.32 Spur "
40.00 Set 1/4 sec cor Buckey & stake 4 ins. 29 1/2 ft in ground and 2 ft above mound of earth 4 1/2 ft dia at base and 2 ft high from which bears Double scrub Oak 5 ins dia S 89° W 12 ls Pine 15 ins dia S 66 3/4 E. 11 lbs

- 45.00 Ravine to N.E.
 48.00 Spur
 67.00 Enter main canon here due North on its general course line crosses & recrossed the very crooked water way which is 5-10 lks wide & dry
 80.00 Set cor. to sec 1-6-7-12 on E side of water way of ravine, set jaw Oak stake 5 ins sq 1 ft in ground & 2 ft above mound of rocks 5 ft in dia at base & 2 ft high from which bears White Oak 15 in dia S 81 $\frac{1}{2}$ W 70 lks.
 " 6 " N 41° 40' W 77 "
 " 8 " N 15 $\frac{3}{4}$ E 122 "
 " 15 " S 88° E 99 "
 Land rough & rate plenty of Oak & pine timber some grazing.

From cor to sec 1-6-7-12

True.

- North Var 16 $\frac{3}{4}$ ° E On true W. line of sp & sec 1
 8.00 Leave main canon & ascend
 14.95 Bu pt of high spur fr N.E.
 16.00 Cross ravine with stake bottom 3 lks wide water to S.W.
 20.50 Spur to N.E.
 25.00 Head of ravine to W.
 30.25 Long spur to S.W.
 33.00 Ravine to S.W.
 36.50 Spur to S.W.
 40.00 Set Oak/stake 4 ins. sq 1 ft in ground & 2 ft above

mound of earth 4 ft. dia at base & 2 ft high for 14 sec cor. fr which bears

White O. 12 in dia S. 37° W 27 lbs.

" " 15 " N 88 $\frac{1}{2}$ ° E 13 "

41.50 Ravine to West

48.19 Top of high spur E & W.

57.00 Deep rocky ravine N & W.

67.40 Point of high Ridge from E. here forking with heavy Sandstone cropping to N of W. and N.

73.50 Go Cor to Gps 748 S R 6 & 7 E. as previously re-set

Land 3d rate, Very rough - plenty of Oak & pine

Some Grazing
Apr 7-1880

FORWARD 8 SOUTH RANGE 7 PART

From cor to Tps 788 S R 788 E as previously reset
I run West Bdy of Tp 8 S R 8 E.

- South Var 16° 45' E and at
 4/77.28 Inter. second standard line S. at a point 44 lds
 to E. of cor. to Tps 9 S R 788 E and I set at this point
 a redwood post 5 ins square, $\frac{1}{2}$ ft in ground and
 2 ft. above mound of earth 5 ft in. diam at base
 and 2 ft high dep. 20 cub. ins. of charcoal,
 From which bears
 W. Oak 18 ins dia S 19° 35' E 256 lbs
 " Stubb 20 ins dia S. 1° 35' E 220 lbs.
^{White Oak}
 Dead " Snag 30 " dia South 72 lbs

March 9, 80

And from this cor I run on true West Bdy of Tp 8 S R 8 E

- North Var. 16° 45' E.
 4.31 Short spur to W.
 7.10 Ravine to S.W.
 9.50 Rocky Spur to S.W.
 12.00 Road from Quarto to Lassas Creek at W. V. S.E.
 19.20 Ravine to S.W.
 21.00 Spur to S.E.
 26.00 Recross same ravine to S.E. leave white Oak
 and ascend on high sage spur fr N
 40.00 Set '4 sec Cor sawed pine stake 3 ins pg. and 1 ft
 in ground & 2 ft above mound of rocks 3 $\frac{1}{2}$ ft
 diam at base & 2 ft high from
 bears Northwest end of rocky cropping 30 x 20 ft

Marked with a 10" + H. $31\frac{1}{4}^{\circ}$ E 33 lbs
 63.00 Top of main ridge, water-divides bet Quinto & Garsas
 descend
 80.00 Set cor. to sec 25-30 - 31 & 36 set a red wood post. 5 ins
 by 1 ft in ground & 2 ft above mound of earth 5 ft
 in dia at base & 2 ft high from which
 bears
 Wh. Oak Stump 22 ins. dia $N.79^{\circ}$ E. 13 lbs
 " " " N $35\frac{1}{2}^{\circ}$ W 138 "
 " " " S $86\frac{3}{4}^{\circ}$ W 80 "
 Land rough 3rd rate
 Some grazing some W. Oak timber.
 From
 Cor to sec 25-30 - 31 & 36 I run along true
 W. Bdy of Tp. & sec 30.

North	Var $16\frac{3}{4}^{\circ}$ E.
Descend	
18.00 Ravine L. of H.	
21.00 Short spur to L.	
24.00 Main Ravine to N.W. begin steep ascent to sage ridge	
33.00 In head of rocky ravine to S.W.	
35.00 Top of sage ridge N.W. & S.E. Strong local attraction	
40.00 Set 1/4 sec. cor. Pawed pine stake 3 1/2 ins by 1 ft in ground and 2 ft. above mound of earth 4 ft in dia at base & 2 ft high from which bears white Oak 20 ins dia $S.44^{\circ} 10' E$ 34 lbs	

White Oak 22 ins dia N 49 1/4 W 121 lbs

61.15 Main ravine 150 lbs to N.W. of junction of 2 ravines

71.87 Spur to West

74.25 Rocky ravine to W.

79.27 Spur to W.

80.00 Set post to sec 24-19-30 & 25 in redwood post 3 ins sq. 1 ft
in ground & 2 ft above mound of earth 5 ft in dia at
base and 2 ft high from which bears

W. Oak stump 16 in. dia S 15° 5' W 102 lbs

" " stubb 14 ft high 8 in dia N 36° W 163 lbs

" " Stump 14. " N 26 1/4 E 98 "

Land 3rd rate rough All Oak timber destroyed

Draw post to sec 24-19-30-25

Drawn on true N.Bdy of P. & sec 19

north

Nov. 16 3/4 E

10.00 Ravine to W.

13.20 Spur "

15.50 Ravine "

16.70 Spur "

19.00 Ravine "

26.30 Top of Rocky Spur to W.

35.50 In fan shaped ravine to S.W.

40.00 Set 1/4 sec col on Spur to S.W. Set a pine stake 3 1/2 in sq
1 ft in ground and 2 ft above mound of earth 4 ft in
dia at base & 2 ft high. Dep. char & dig pits.

45.85 Top of high ridge N.W. begin descent to Gargass
creek on long gravelly Spur

- 73.00 Foot of spur enters small flat from S.W. & N.E.
 74.10 S. Bank of Garsas creek
 75.15 N. Bank to N.E. some running water.
 75.33 Road to Hills Ferry along creek.
 80.00 Set cor to sec 13-18-19-824 on flat north side of Garsas creek set a red wood stake 4 ins sq 1 ft in ground and 2 ft above mound of earth 4 $\frac{1}{2}$ ft in dia at base 8 $\frac{1}{2}$ ft high dug 4 pits & dep charcoal from which bears
 S.E. cor. of Mrs M Walkers House S $61\frac{1}{2}^{\circ}$ W 17.74 chs
 S.E. cor of Mrs M Walkers Back S $80\frac{1}{4}^{\circ}$ W 11.96 chs
 Cottonwood on creek 13 ins dia. S $65\frac{1}{2}^{\circ}$ E 7.70 chs
 Land 3rd rate Fazing White Oak timber
 All destroyed

Mar. 10. 80

Broad cor to Rec. 13-18-19 & 24
 Run along true West ~~Body~~ Tp line and W Body
 of sec 18.

North

Var 16 $\frac{3}{4}^{\circ}$ E

- 4.30 Leave flat on Garsas cr. & ascend
 17.00 Leave Mesa, descend to spur
 20.20 Point of Spur to S.E.
 32.80 Top of said spur des.
 40.00 Set 1/4 sec. cor. red wood stake 3 $\frac{1}{2}$ ins sq 1 ft in
 ground 8 $\frac{1}{2}$ ft above mound of earth 4 ft in dia
 at base 8 $\frac{1}{2}$ ft high dug pits & dep char.
 00 Ravine to S.E.

- 67.60 Top of high point of ridge fr SW. descend toward Valley
- 80.00 Set cor to sec. 12-7-18 & 13 on w. side of spur to N.E. set a pine stake 6 ins. sq 1 ft. in ground and 2 ft. above mound of earth 5 ft. in dia at base and 2 ft. high dep. char. & dug 4 pits
No bearing Obtainable Land 3d rate grazing

From cor to sec 12-7-18 & 13 true West Bdy of P and sec 7. P

- North Var $16^{\circ} 45' E.$
- 32.10 foot of spur, enter grain field in Valley bearing N.W. and S.E.
- 38.30 Foot of low Knoll
- 40.00 Set $\frac{1}{4}$ sec. cor. on top of isolated Knoll N.W. & S.E. covered with small white lime rocks set a pine stake $3\frac{1}{2}$ ins. sq. 1 ft. in ground & 2 ft. above mound of earth 4 ft. in dia at base and 2 ft. high. dep. char & dig pits
- 42.00 Leave knoll, re-enter Valley.
- 65.00 Leave Valley, bears N. W. & S.E. ascend to rolling hills
- 80.00 Set cor to sec 1, 6, 7 & 12 in wide mouth of flat Canada from North Set a paved pine stake 5 ins. sq 1 ft. in ground and 2 ft. above mound of earth 5 ft. in dia at base and 2 ft. high. dep. char & dig pits as per instructions from which bears center of well in S.W. cor. of E. Ackers enclosed field N $85\frac{1}{2}^{\circ} E$ 3.75' dia lands 2d rate all cultivated

From cor. to sec 1-6-7-12 from on true W. Bdy.
of Tp. & sec

North

Var. $16 \frac{3}{4}^{\circ}$ E along

East side of flat, Cañada from North
Long Spur to W.

34.00

Set '14 sec cor opposite, and to E. of water divide in
said flat Cañada set a redwood stake $3\frac{1}{2}$ in dia
1 ft in dia at base & 2 ft high dep char. & dig pits
as per instructions

No bearing obtainable

71.75 Beg. descent in spur to N.W.

77.28 Go cor to Tp's 788 S R 788 E Land 2d rate
cultivated rolling hills

Mar 11th / 80

SECTION 9 TOWNSHIP, RANGE 5 EAST

West Boundary T 9 S R 6 E.

July 26th 1898

Beginning at the established corner to T. 9 S. R. 5 E. 6 E.
Being your 2d Standard South Draw.

South bet sec 1 & 6

Var. $15^{\circ} 35' E$

40.00 Set, a grey granite rock 18 ins long, 8 in. wide 5 in. thick marked 1/4 for 1/4 sec cor. Made a rock mound from which bears

a post Oak 10 ins dia N $88^{\circ} 30' W$ - 59 lbs dist.A blk Spanish Oak 5" dia S $20^{\circ} 30' E$ 68 lbs dist.

80.00 Set, a charred post, cor. to secs 1, - 6, - 7 - 12 - made mound of earth, with trench & pits, as per inst. from which bears

A post Oak 20 in dia S $27^{\circ} E$ 236 dist." " 12 " " N $61^{\circ} 30' E$ - 209 "2^d rate Good grazing land - Hilly - post Oak & pine

South:

bet 7 & 1/2

Var. $15^{\circ} 35' E$.

40.00 Set post for 1/4 sec cor. made of earth with trench, & pits, as per inst, from which bears.

A post Oak 10 ins dia. S $68^{\circ} W$ 14 lbs dist." " 10 " " S $82^{\circ} E$ - 20 "

77.50 A deep dry Gulch 250 wider
Banks 40 ft high course S.E.

80.00 A post Oak 7 in dia. cor. to secs 7-12-13- & 18

A pine 6 in. dia S 77° E - 30 lbs dist.
2^d rate - broken - scattering pine & post Oak

South

Bx pecs 13 & 18

Var 13° 35' E.

40.00 Set charred post for 14 sec. cor. Made mound of earth, with trench & pits, as per instructions from which bear A post Oak 24 ins. dia N 8° E. 57 lbs dist.

" " " 12 " " N 44° W - 110 " "

80.00 A post Oak 5 " " Cor to sec 13-18-19-24 marked as per instructions from which bear A post Oak 30 ins. dia S 41° E. - 67 lbs dist

2^d rate - Good grazing land
Willy - post Oak.

(Did not continue South)

9 SOUTHERN RANGE 6 EAST

East Bound July 30 - 1858

T 9 S R 6 E.

Beginning, at established cor. to Tp. 9 S R 6 E.
being on the 2^d stand South I run

South bet Secs 1 & 6

Var $15^{\circ} 35'$ E.

- 10.00 A gulch 10 lks wide course East
 22.00 To Top of hill ranging E & W.
 25.00 Enter chaparral
 40.00 Set grey granite rock 10 ins long 8 in wide 7 in thick, marked 1/4 for 1/4 sec. Cor - made, a rock mound from which a post Oak 6 in dia bears N 79° W 32 lks
 A post oak 6 ins dia bears S 12° W - 61 lks dist
 51.00 Commence ascent of hill ranging E & W
 80.00 Set black granite 18 ins long 12 ins wide 12 ins thick notched as per insts cor. to sec 1-6-7-12. Made a rock mound from which
 A post Oak 15 in dia bears N $51^{\circ} 30'$ E 68 lks dist
 " " 20 " " N 19° E - 96 " "
 2^d rate - broken post oak & scattering pine
 Chap last 55 chains.

South Bet sec 1 & 6

Var. $15^{\circ} 35'$ E.

- 40.00 Set post for 1/4 sec cor. made mound of earth, with trenches & pits as per insts from which

bears At post Oak 18 in dia S 51° 30' E. 68 lbs dist

" " " 14 " N 54° 30' W 31 "

50.00 Go pine timber.

78.00 Go top of dividing ridge ranging East & West, at this point leave chap.

80.00 Set grey granite rock 18 in. long 12 in. wide 8 in. thick, notched as per inst. corner to sec 7-12-13-18 made a rock mound. Cut on S. side of ridge no bearings 2^d rate broken - post Oak and last 30 chs. pine

South

Bet sec 13 & 18

Nav 15° 35' E

15.00 Go chap.

40.00 Set charred post for 14 sec cut Made rock mound no bearings

Leave chap.

80.00 Set grey granite rock 25 inches long 16 in. wide 12 in. thick notched as per instructions Cut to sec 13-18-19 & 24. Made a rock mound from which bears At post Oak 6 in dia S 55° W 24 lbs dist

" " " 7 " " N 61° W 24 "

" " " 7 " " N 58° E - 21 "

" " " 5 " " S 83° E - 12 "

2^d rate Philly & broken scattering post Oak

(Did not continue South)