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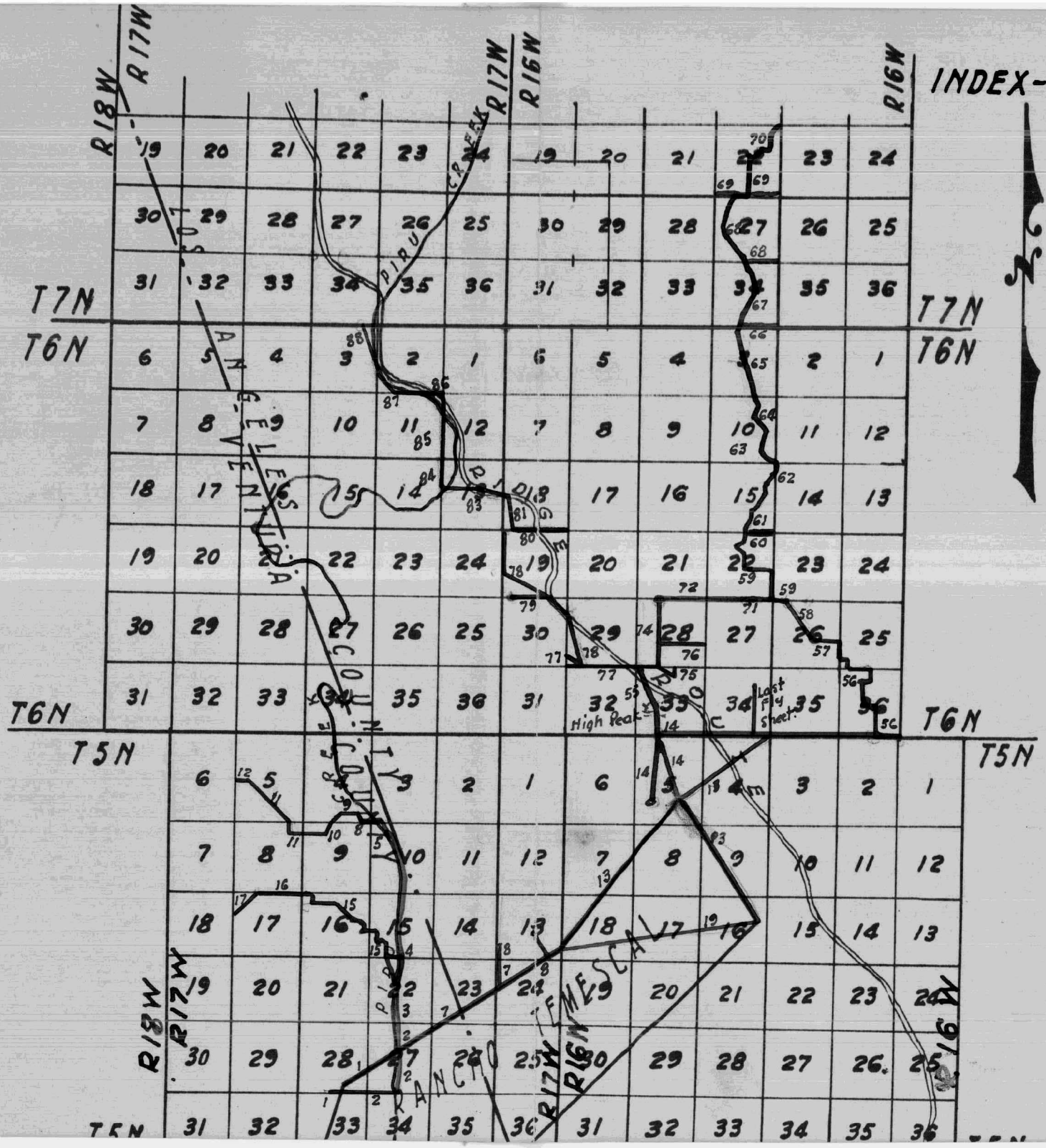
INDEX - F.B. 1315



T.4 & 5 N.
R.13 W. [illegible]
T.6 & 7 N.R.18 W.
16 N.R.17 W.
T 7 N R 17 W.

68

TABLE of Decimal parts of a FOOT for each Inch and Sixteenth of an Inch.

IN.	0	1	2	3	4	5	6	7	8	9	10	11
0	**000**	**083**	**167**	**250**	**333**	**417**	**500**	**583**	**667**	**750**	**833**	**917**
	005	089	172	255	339	422	505	589	672	755	839	922
1/8	**010**	**094**	**177**	**260**	**344**	**427**	**510**	**594**	**677**	**760**	**844**	**927**
	016	099	182	266	349	432	516	599	682	766	849	932
1/4	**021**	**104**	**187**	**271**	**354**	**437**	**521**	**604**	**687**	**771**	**854**	**937**
	026	109	193	276	359	443	526	609	693	776	859	943
3/8	**031**	**115**	**198**	**281**	**365**	**448**	**531**	**615**	**698**	**781**	**865**	**948**
	036	120	203	286	370	453	536	620	703	786	870	953
1/2	**042**	**125**	**208**	**292**	**375**	**458**	**542**	**625**	**708**	**792**	**875**	**958**
	047	130	214	297	380	464	547	630	714	797	880	964
5/8	**052**	**135**	**219**	**302**	**385**	**469**	**552**	**635**	**719**	**802**	**885**	**969**
	057	141	224	307	391	474	557	641	724	807	891	974
3/4	**062**	**146**	**229**	**312**	**396**	**479**	**562**	**646**	**729**	**812**	**896**	**979**
	068	151	234	318	401	484	568	651	734	818	901	984
7/8	**073**	**156**	**240**	**323**	**406**	**490**	**573**	**656**	**740**	**823**	**906**	**990**
	078	161	245	328	411	495	578	661	745	828	911	995

Entered according to Act of Congress, in the year 1874, by Edward Denny & Co. in the Clerk's Office of the District Court of the United States, for the Northern District of California.

Table for reducing CHAINS to FEET.

Chains or Links	Feet.	Chains or Links	Feet.	Chains or Links	Feet.	Chains or Links	Feet.	Chains or Links	Feet.
1	66	21	1386	41	2706	61	4026	81	5346
2	132	22	1452	42	2772	62	4092	82	5412
3	198	23	1518	43	2838	63	4158	83	5478
4	264	24	1584	44	2904	64	4224	84	5544
5	330	25	1650	45	2970	65	4290	85	5610
6	396	26	1716	46	3036	66	4356	86	5676
7	462	27	1782	47	3102	67	4422	87	5742
8	528	28	1848	48	3168	68	4488	88	5808
9	594	29	1914	49	3234	69	4554	89	5874
10	660	30	1980	50	3300	70	4620	90	5940
11	726	31	2046	51	3366	71	4686	91	6006
12	792	32	2112	52	3432	72	4752	92	6072
13	858	33	2178	53	3498	73	4818	93	6138
14	924	34	2244	54	3564	74	4884	94	6204
15	990	35	2310	55	3630	75	4950	95	6270
16	1056	36	2376	56	3696	76	5016	96	6336
17	1122	37	2442	57	3762	77	5082	97	6402
18	1188	38	2508	58	3828	78	5148	98	6468
19	1254	39	2574	59	3894	79	5214	99	6534
20	1320	40	2640	60	3960	80	5280	100	6600

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F.B. 1315-6

F.B. 1315-7

F.B. 1315-8

Little Sespe Consolidated
Robert Acres
W. Roberts

TABLE of Decimal parts of [illegible]

F.B. 1318-9

80
7670
330

T 5 N. R 18 W.

From Sta. No 6 of Rancho

Temescal. I run

S. 15¼ W. .72 lks. and set a Walnut post 5 x 5 in. in Mound and pits on side of grass hill sloping East for cor. to fract. Secs. 28 + 33.

From which a Black Walnut tree 12 in. in dia. bears.

S 74¾ E .82 dist.

From Sta. No 6 of said Ro I run

N 52½ E. Var 14° 25' E

descending

5.50 x ravine course S. E. and ascend.

7.00 top of low spur N & S E

13.88 set a Walnut post 5 x 5 in. in R. M. on side hill facing S.W. for cor. to fract. Secs. 27 + 28.

West. bet. Secs. 28 + 33

Var. 14° 25'

ascending

.76 top of grass ridge N & S leave flag thence over rolling grass hills

T 5 N. R. 18 W.

1850 x ravine course South

4000 set Sycamore post in Mound of rock on side hill sloping East for ¼ sec. cor.

1st rate.

SP
1120
6880

From cor. to fract. Secs. 28 + 33

I run Var 14° 25' E

By Traverse

		N	S	E	W	
East	40.00			40.00		
N. 9° E.	27.00	26.67		4.22		
North	8.02	8.02				Ro Line. leave stake
		34.69		44.22		
N 11° E	34.00	33.38		6.49		
		68.07		50.71		
which is		N		E		and leave stake. which is of 28 27 / 33 34
		68.07		39.51		
N 5½ E	4.00	3.98		.38		
N 2° W.	7.95	7.95		.27		to line
		80.00		40.16		

bet. secs. 22 + 27. thence West. 16 lks. to ¼ sec. cor. and set a Sycamore post 4 x 4 in. R. M.

T 5 N R 18 W

at foot of perpendicular bluff in west side of Pem Cañada near road for 1/4 sec. cor. from which a Cottonwood tree 2 ft. in dia bears N 56½ W 16 lks. dist.

By Traverse from 1/4 sec Cor. bet. Secs. 22 & 27.

		N	S	E	W
North	5.00	5.00			
N 12 E	7.00	6.85		1.46	
" 12 W	14.00	13.69			2.91
N 22 W	17.50	16.22			6.56
		41.76			9.47
" 19 "					1.46
					8.01
N 19 W	21.30	20.14			6.94
" 8 "	11.82	11.70			1.64
		73.60			16.59

North 6.40 6.40 to line bet. Secs. 15 & 22 80.00 Thence

East 6.75 × road N & S. bet. Secs.
7.50 enter wash of Pem River
11.00 × water course S.W.
13.00 × " " 50 lks. wide S.W.

T. 5 N. R. 18 W.

14.80 leave wash N.W. & S.E.
16.59 Set an Elder post 4×4 in. in R. M. on East side of Cañada near foot of hill for 1/4 sec. cor. from which a Elder tree 8 in. in dia. bears N 34½ W 50 lks. dist.

From 1/4 Sec. Cor. bet. Secs. 15 & 22 by Traverse

		N	S	E	W
N 10 W.	63.00	62.04			10.94
N 5¼ E	11.00	10.95		1.01	
N 30' E	7.01	7.01		.06	
		80.00		1.07	10.94
East	.87			.87	1.94
				1.94	9.00 and

Set a Sycamore 4×4 post in large Nid Rocks at foot of hill on E side Cañada for witness to 1/4 sec. cor. 9.00 West of true cor. from which a Live Oak tree 4 ft. in dia bears N 34¾ W 68 lks. dist.

Thence

West	.90			.90
N. 30' E.	16.50	16.50	.44	
N 16° W	7.50	7.21		2.07
		23.71	.44	2.97

T 5 N R 18 W.

		N	S	E	W
N 23 W	7.00	23.71		.44	2.97
		6.44			2.74
N 9½ W.	21.00	20.71		.44	3.47
		50.86			9.18
N 26¼ W.	14.00	12.56			6.69
N 31 W	6.32	5.41			3.23
		68.83			19.10
N 29 W	12.77	11.17			6.19
		80.00			25.29
					.44
					24.85
					9.00
					33.85

to line bet. secs. 3 & 10 : thence

West bet. secs. 3 & 10

.50 leave Canada N & S and ascend.

6.15 Set an Elder post 5 ft in. in R. M. on side hill sloping S.E. for cor. to secs. 3. 4. 9 & 10. from which a L. Oak tree 2 ft. in dia. bears S 1½ E. 3.84 dist.

West on ~~South bow~~ bet. secs. 4 & 9 Sec 4.

Var. 14°25' E

2.47 top of spur N E & S W. leave flag

9.00 thence by traverse (taken to page 9)

North 11.00 × creek 50 lks. wide course N E.

20.00 × Creek 50 lks. wide course West.

T 5 N R 18 W.

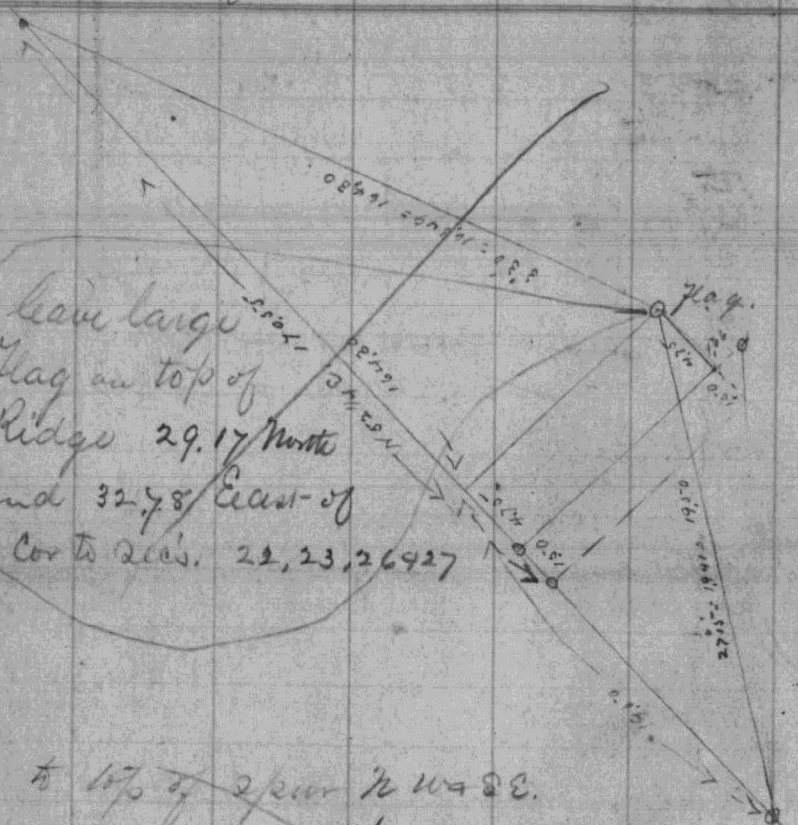
Hence ascend to Mesa

3.00	thence	—	West	—	
12.69		30.00			21.69
N. 77½ W	14.00	3.03			13.67
S 57 W.	4.50		2.45		3.77
S 88 W	5.00		.17		5.00
		33.03	2.62		44.13
N 51½ W	14.00	8.72			10.96
N 9¼ E	17.00	16.78		2.73	2
		58.53	2.62	2.73	55.09
		2.62			2.73
		55.91			52.36

March 1st 1880

West boundary Rº Temescal

N 52 1/4 E from Sta No 6.



leave large Flag on top of Ridge 29.17 North and 32.78 East of Cor to secs. 22, 23, 26 & 27

to top of spur N W & S E.

216.23 Set a Walnut post in Mid. & pits on side hill facing N E for Cor. to fract. secs. 23 & 24.

North bet. fract. secs. 23 & 24.

Var 14° 25' E

3.60 x Ravine course S.E. thence ascending

T 5 N R 18 W.

26.89 Set an Elder post in Mid. & pits on side of grass line sloping East for cor. to secs 13. 14. 23 & 24.

Land 1st rate

North bet. secs. 13 & 14.

Var 14° 25' E

ascending

21.50 top of high ridge bearing S W & East and leave a large flag.

On Ranch line

N 52 1/4 E.

260.15. Set a Bearberry post in Mid. & pits on side hill sloping west for Cor. to fract. sec. 13 & 24

265.45 end of triangulation point leave flag.

278.00 run base N 37 3/4 W. 18.00

Ranch Temescal & Elsinore

346.98 Intersect 5.78 N 37 3/4 W of Cor. No. 7 of said R.R. and the Cor. which would make the contact course S 53° 12' W instead of S 5° 21' W as reported —

T 5 N R 18 W.

~~Travers line~~

~~Secs. 3, 4, 9 & 10.~~

West —

West bet. secs. 4 & 9. (brought from Page 5.)

Var. 14° 30'.

2.47 to of spur N & S & pos. discovered lead flag

15.00 X Fish Creek 30 lks wide course N & S.

22.72 to of point of spur N & S. thence of traverse

N 41 W	9.00	6.79		22.72
S 85 1/2 W	12.00		.94	5.90
S 56 W	10.47		5.85	11.96
			6.79	8.68
				49.26 W

T 5 N R 18 W.

a point 49.26 West of sec. cor. & thence East 9.26 chs. and set a Sycamore post in R. M. on side to blazing north for 1/4 sec. cor. —

from point 49.26 west of sec cor. by traverse

		N	S	E	W
					49.26
S 21 1/2 W	5.00		4.65		1.83
S 75 1/2 W	7.35		1.84		7.12
N 87 W	3.00	.16			3.00
N 64 W	5.89	2.58	6.49		5.29
		2.74	2.74		66.50
			3.75		
N 59 W	5.30	2.84			4.72
N 89 W	2.73	.04			2.73
S 53 W	6.78	2.88	4.35		5.37
			8.10		79.32
			2.88		
			5.22		
N 42 1/2 W	5.50	4.06	4.06		3.72
North	1.16	1.16			83.04
		5.22	1.16		
			5.78		83.04 chs. west

of cor. to secs. 4, 5, 8 & 9 thence East 1.15 chs. and set a Sycamore post 5 x 5 ins large mound of rocks at foot of Perpendicular

To R 18 W.

bluff on East side of fish creek for witness to cor. to secs. 4, 5, 8 and 9, 1.89 West of true cor. as it falls on side of perpendicular bluff not a suitable place to build a monument

		by Traverse N	S	E	W
West	3.04				3.04
N 51 W.	2.50	1.57			1.94
N 76 W	2.74	.66			2.66
N 65 W	4.00	1.69			3.63
N 39½ W.	5.00	3.86			3.18
N 60 W	1.50	.96			1.15
N 37 W	4.00	3.19			2.41
		8.73			18.01
N 70½ W	4.50	1.51			4.24
" 68 "	3.50	2.06			3.10
" 46¾ "	3.70	2.54			2.70
" 58¾ "	2.50	1.30			2.14
" 61½ W	3.80	2.77			3.07
		19.11			37.28
" 32½ "	3.60	3.01			4.73
		22.12			42.01
" 22½ W	9.00	8.31			3.44
		30.43			45.45
52½ "	.80	.49			.63
		30.92			46.08

To R 18 W.

		30.92			46.08
N 18 E	4.86	4.62		1.51	
" 64 W	11.50	5.04			10.34
" 40 "	3.50	2.68			2.25
" 64½ "	3.00	1.29			2.71
		44.55			61.38
" 79 "	4.62	.88			4.54
" 86½ W.	3.00	.18			.299
		45.61			68.91
					1.51
					67.40
N 61¼ W.	2.06	1.23			2.24
" 77½ W	3.50	.54			2.44
		47.38			72.08
" 80½ "	3.65	.61			3.60
" 79½ "	2.61	.47			2.57
		48.46			78.25
West	1.75				1.75
					80.00

61.38 / 1.51 / 59.87 / 68.91 / 1.51

to line bet. secs. 5 & 6 and set a 6"x5' Sycamore post in large mid. of thicks on North side fish creek at foot of perpendicular bluff for witness to 1/4 sec. cor. 8.46 North of true cor. from which a Lt Oak tree 14 in. in dia bears S 76½ W. .66 lks. dist.

5 N R 17 + 18 W.

West line of R. Temescal

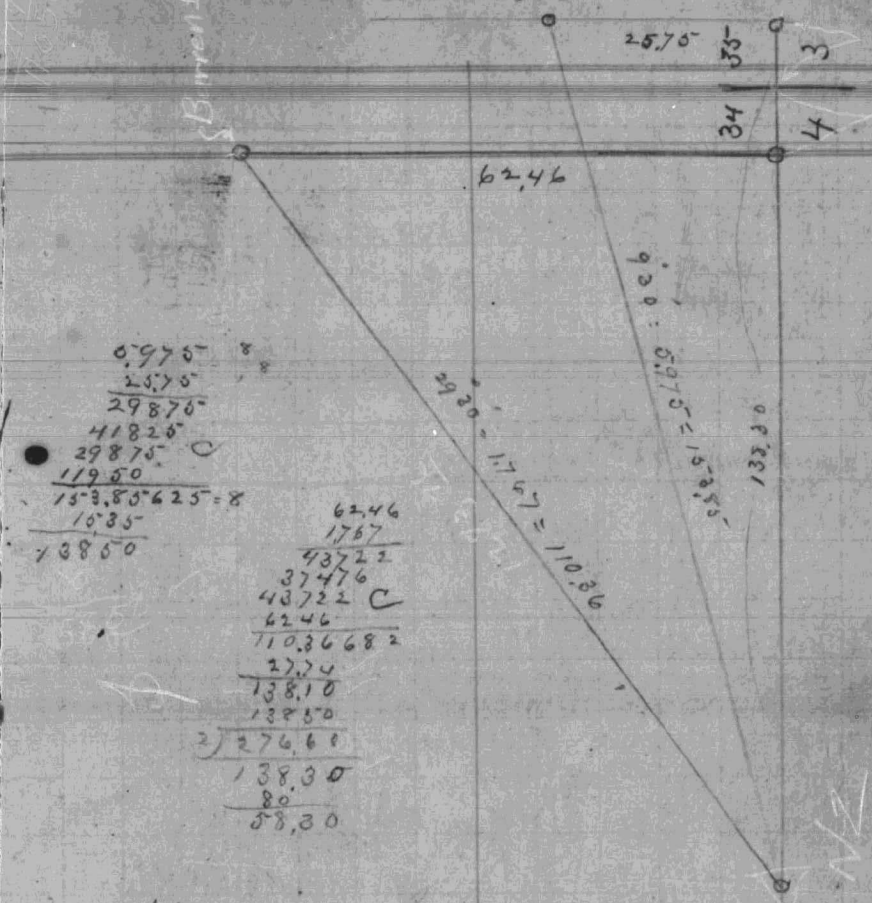
(Note) "the bearing from T. No. 7 to T. No. 2. is S 89°50' E."

the bearing from T. No. 2 to mound and flag. the cor. No 8. bears N 33½ W.

From T No 8 to C.C. to secs, 3 + 4 on 1st standard North is N. 59 E

From T No 7. to Temescal No 8. is N 35½ E

1st Standard North



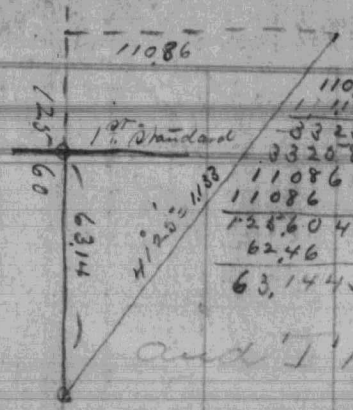
5.975
25.75
29875
41825
29875 C
11950
153.85625 = 8
1535
13850

62.46
1767
43722
37476
43722 C
6246
110.36682
27.74
138.10
13850
2) 276.60
138.30
80
58.30

West on S boundy, sec 33 + 34 by triangulation to a high Peak 58.30 chs. west of cor to secs. 33 + 34 58.80 and leave a large flag from which cor. No. 8 of Temescal R. bears S 40½ E.

From this flag I triangulate a base south of 63.14 chs. and leave a large flag on top of ridge E + W.

Cont. to Next Pg



110.86
1.133
33258
33258
11086 c
11086
125.60 438 = 2
62.46
63.14438

from which point. T. No. 7 of Rancho bears S 22 3/4 W, and T. No. 2 bears. S 40° E

T 5 N R 18 W.

West bet. Secs. 15 & 22. from 1/4 Sec. cor.
Var 14°25'

16.59 point left in Valley
22.00 x creek 10 lks. wide S.E. and fence N.W. & S.E.
25.00 foot of hill. leave Valley S.W. & N.W.
thence by offset.

North 25.00 "
West 10.00 "
North 15.00 "
West 5.00 to line bet. secs. 15 & 16 and set an Oak post 5 x 5 in R.M. on side hill sloping N.E. near head of small ravine course S.E. for 1/4 sec. cor.
thence by offset.
West 2.00 thence
North 5.00

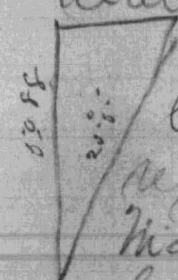
T. 5. N. R. 18. W.

		45.00	2.00
N 67° W.	70.00	27.35	64.44
N 72 1/2 W	10.22	3.06	9.75
" 43 1/2 "	3.52	2.54	2.42
		77.95	78.61
		80.00	80.00
		2.05	1.39
" 22 "	2.22	2.05	.83
		0.00	.56
" West	.56		.56 to

Cor. to secs. 8, 9, 16 & 17. and set a redwood post in R.M. on top of high brushy ridge bearing N.W. & S.E. for cor. to secs. 8, 9, 16 & 17. leave large flag.

West bet. secs. 7 & 18.
Var 14°25' E.

along south slope of high ridge near summit by triangulation.

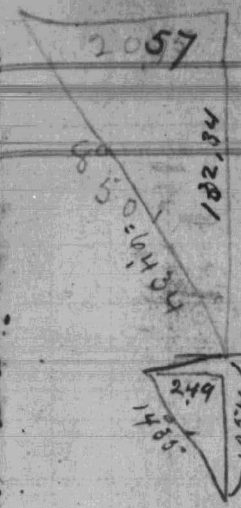


50.88 to top of high ridge bearing N & S. and set a redwood post 3 x 3 in. in R. Md. for Witness to 1/4 sec. cor. leave flag. thence by traverse along ridge

T 5 N R 18 W

		N	S	E	W
South	1.33		1.33		
S43W.	5.06		3.70		3.45
S5°E	4.60		4.58	.40 / 40	
S48W	11.00		7.36		8.17
			16.97		11.62
S62½W	3.00		1.39		2.66
N89½W	3.70		.04		3.70
S68W	1.50		.56		1.39
S59½W	4.00		2.03		3.45
S72¼W	3.61		1.10		3.44
			22.09		26.26
N65W	3.60	1.52	1.52		4.0
			20.57		25.86
					50.88
					76.74
					3.26
					80.00

to line bet. secs. 17 & 18. and set a Granite Rock, 12 x 15 x 10 in. in R. M. on summit of high ridge bearing NW & SE. for Witness to cor. to secs. 7. 8. 17 & 18. 20.57 chs. South. leave flag.



6.434
20.57
45.038
32.170 C
12.868
132.34738
80
5.234

N 21½ W, 2.68

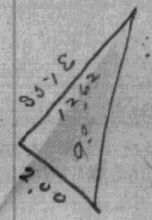
1.86
.63
2.49

.73
.25
.98

3.843
2.49
3.4587
15.372
7.686
9.56907
.98
10.54

bearing to flag

S 51 E.



6.313
2.
12.626

S
6.18
.32
6.50

E
10.29
.53
10.82

5.234
10.54
W 6.288
E 10.82
W 52.06
20.57
6.50
S 27.07

I locate a large flag on top of high Rocky ~~[illegible]~~ Peak. 27.07 chs. South and 52.06 West of cor. to secs 7. 12. 13 and 18. in T. 5. N. R. 19. W.

T 5 N R. 18 W.

by Triangulation on South boundary Township

35.69

6.497 $\frac{8}{40} = 4$
35.69
58473
38982
32485
19491
231.87793 = 4
8.50
240.37793 +
3 = 240
.37

231.87
8.45 = 6.497 =

6.497
35
32485
19491
227385

to summit of high ridge bearing N & S. and set a Walnut post in Mid of R. for witness to cor. to secs. 31. 32. 5 & 6. on South boundy Township. leave flag. .37 lks. West of cor.

T 4 N R 18 W.

South bet. secs 5 & 6.

Var 14°25' E

along East slope of high ridge

30.50 x near head of ravine course N.E. and ascend.

38.50 top of high ridge NW & SE.

40.00 Set an Oak post 4 x 4 in. in R. M. on side hill sloping South West for 1/4 sec cor.

52.00 x near head of ravine course West

73.50 top of high ridge NE & SW.

74.50 leave flag. thence descend.

80.00 Set a Walnut post 5 x 5 in in R. M. on side hill sloping South for cor to secs. 5. 6. 7 & 8.

Leave a large flag 3.00 chs North and 5.82 chs. West of cor. to secs 5. 6. 7 & 8. on top of high Peak

Z, 4 N, 19, Cuvde Cin
a mill [illegible]

Fin Cons to Sects 23, 24

25 & 26, I m [illegible]
Ent Sec 27 & 25
Var 14° 25' E
2000 [illegible] Mouth of wood
200 Enter Mouth of [illegible]
1000 + Wagon Rd [illegible]
1250 Open Cleph [illegible] w S E
1400 [illegible] S E [illegible]
2000 + [illegible] N & S
40,00 chs Set Tap 1/4 Cedar [illegible] Pits
a NW Slope of [illegible] hill about
800 chs W to valley
5500 [illegible] hill enter [illegible]
[illegible] grim fields [illegible] N E
8000 Set Cedar 4 + 4 + 3 1/2 ft Pits
Cons to 24, 25, 19 & 30
Fin Sec Ranges 18 & 19
Interest 45 lbs S of cons as I
[illegible]
(Set a Granite Rock 3 1/2 ft long 10 x
12 in [illegible] in mid. & pits)

T 4, Set Ranges 18 & 19
S on W Vanding Sect 30

Var 14° 25' E
2750 chs House of P Ranges 1.00 E
3600 + Sluice Road E & W
40

7955 chs Interest the Corner to Sec
30, 31, 25 & 36 105 chs W
of Corner from this I m
North on W. Vanding Sect 30
4000 Set [illegible] 3 & 3
to [illegible] Pits 63 lbs S W of
House of Manuel [illegible]
I plant a Sun Stone 16, 12, 12
for 1/4 Sec Corner [illegible] large [illegible]
8000 Set Cedar [illegible]
Sun Rock 12 + 12, 36 [illegible]

T 4 R 18

E. bet. Secs. 19 & 30.

20.25 Var 14° 25' E
20.25 Yguen Dell [illegible]
House [illegible]
39.90 + [illegible]
40.00 Set an [illegible] Wilson [illegible]
3 & 3 R [illegible]
1/4
60.00 Set 1/8 [illegible] for Alfred
~~Salaz~~ Salazar
60.20 + [illegible] G & S
79.700 Intent [illegible] .66 [illegible]
of Suppose [illegible]
19, 29 +

T 4 R 18

S. bet. Secs. 29 & 30 from

~~Supposed corner~~
Var 14° 25' E.
4000 Set an Oak [illegible] 3 x 3 x [illegible]
for 1/4 [illegible]

North bet. Secs. 19 & 20
Var 14° 25' E
2000 Alfredo Salazar house about
1.50 chs. West
4000 Set an Elder [illegible]
for 1/4 Sec. Cor. thence
for Connection to S. T. 12.
East. 20.00 thence
N. 59° E. 14.50 "
" 39 3/4 " .80 From this
point [illegible] S 16 1/4 W on
Ranch course 5.00 thence
N 55 1/2 E. 2.90 and leave
[illegible] in [illegible]

T 4 N R 18 W.

West boundary Rancho Temescal

From cor. No 5. in centre of Pem Creek 2 mm by corrected course N 16¼ E. Var 14°25' E.

67.00 to Triangulation Point.

79.00 leave flag.

~~T 4 N R 18 W.~~

~~North from Cor to secs. 19, 20, 29 & 30, by Triangulation 160.00 chs. to summit of high ridge bearing NW & SE. and set an Elder post 5 x 5 in R. M. for cor. to secs. 7, 8, 17 & 18. from which the N. E. cor. of the Piro Oil claim bears S 57° W. 40 chs. dist the same being the N W cor. of the Roblarcito Oil Claim~~

T 4 N R 18 W.

West bet. secs. 7 & 18

Var 14.25

by traverse along ridge

West: 6.29			6.29
N 50 W 5.60	4.29		3.59
" 26 " 11.00	9.89		4.82
West: 5.00	14.18		5.00
S 68 W 21.73	~~8.14~~ ~~7.04~~	8.14	20.15
			39.85
N 86 W 6.79	.47		6.78
" 82 " 12.85	1.79		12.72
	16.44		59.35
S 88½ W. 16.23	8.57	.43	16.22
	7.87	8.57	75.57
S 38½ W 6.63		5.19	4.13
		13.76	79.70 to cor.
South 2.68		2.68	
		16.44	

to secs. 7, 12, 13 & 18, on West boundary of Township and set an Oak post 5 x 5 in mid and pit outside of brushy hill facing SE. for cor.

South on West boundary Sec 18.

Var 14°25' E

descending

T 4 N R 18 W.

3.00 × near head of Ravine East; and ascend.

10.00 Summit of ridge E & W. thence descending along ridge E slope) [thence by offset West, 8.50 and leave a flag on top of Pea R. which is 10.00 South and 8.50 West of cor. to secs. 7, 12, 13, & 18.]

Note.

16.00 × head of Snowed Ravine course East

29.50 top of ridge NW & SE.

32.50 to edge of perpendicular bluff. Set a Walnut post 4×4 in. in R. M. for witness to 1/4 sec cor. as the cor falls on perpendicular bluff not a suitable place to build a Monument.

8000
2950
5050

8000
16
6480

T 4 N R 18 W.

From 1/4 sec. cor. bet. secs. 19 & 20 I run North.

Var 14°25' E

20.00 to foot of perpendicular bluff thence by offset.

West 6.50 thence

North 5.00 "

West 1.50 "

North 15.00 to line bet. secs 18 and 19. thence

East 8.00 and set an Elder post 5×5 in. and 4 pits on side hill sloping West for cor. to Secs. 17. 18. 19. & 20.

T 4 N R 19 W.

From old cor. to secs. 23, 24, 25 & 26. 2 mm.
North bet. secs. 23 & 24.
Var 14°25' E

15.50 × Road. E & W.
20.00 A house about 2.00 East.
22.00 × Fence E & W.
26.00 Oil Well 62 ft. West.
[illegible] Intersect 10 ft. East of 1/4 sec. cor.

By Traverse

N 12½ W.	11.00	10.74		2.38
N 26 W	10.00	8.99		4.38
" 10½ W	9.00	8.85		.164
" 30¼	11.32	9.78		5.70
				14.10
" 23 E	14.00	12.69	5.92	5.92
		51.05		8.18

and leave point at end of traverse 11.05 North & 8.18 W of cor. to secs. 13, 14, 23 & 24.

T 4 N R 19 W.

By triangulation to a point 68.98 North and 33.72 W of cor. to secs 2, 3, 10 & 11. thence West 6.28 chs. thence North 11.02 to a Live Oak tree 16 in. in dia. and mark same for 1/4 sec. cor. bet. secs 34. and 3 on line bet. Towns 4 & 5 N R 19 W. the tree stands on side of low spur facing North near top of spur. and about 1.00 South of a small ravine running ~~East~~ S. E.

West on North Boundary Sec. 3, ascending Var 14°25' E
40.00 Set an Elder post 4x4 in R M on side hill sloping S W. for cor to secs. 3, 4, 33 & 34.
Land 1st rate

T4N R19W.

West on North boundary
Sec. 4.

Var 14°25' E

Ascending
4.00 top of high grass ridge
N & S E and leave flag.

From point at End of Meandering
44.73 North and 47.72 West of
Cor. to Secs. 2, 3, 10 & 11 I run
by house.

		S	E
S 88° E	57.00	36.64	43.66
East	4.06		4.06
South	7.00	7.00	47.72
		43.64	

and set
a Walnut post 5x5 in in R.M.
on top of low open bearing
E & W. for Witness

T4N R19W.

to cor to Sec's. 2, 3, 10 & 11
10.09 North
as line cor will fall on
steep side hill not a suitable
place to build a monument.

From witness cor. 10.85 chs. North
of 1/4 sec. cor. bet. Secs 21 & 22
as established by Transit survey
I run North by triangulation
to a point on top of ridge
bearing N.W. & S.E. which I
find to be 9.69 North of
Cor. to Secs. 15, 16, 21 & 22.

Var 14°25' E.

Thence North on Secs. 15 & 16 along East slope of
ridge near summit
40.00 set a Walnut post 4x4 in Md 4 pits
on side hill sloping N.E. for
1/4 sec. cor. from which
a R.O. Oak tree 12 in. in dia
bears N 12 3/4 W 1.12 dist
58.00 x road of narrow course East

T 4 N R 19 W.

70.50 top of ridge N E & S W. thence along same near summit.

80.00 Set an Oak post 5x5 in. in R.M. on side of ridge facing West near summit for cor. to secs. 9. 10. 15 & 16.

Land 1st rate.

East bet. Secs. 10 & 15.
Var 14°25' E

.50 summit of ridge N E & S W.

7.65 top of spur N W & S E. thence by offset.

		S	E	
S 44° E	6.27	4.51	4.36	
S 55 E	10.50	6.03	8.60	to
		10.54	12.96	of
			7.65	
			20.61	

a point

Cor to secs. 9. 10. 15 & 16. thence East on offset line

40. to a point thence North 1.00 thence N 23 E 10.37 to line bet. secs 10 & 15 4.05 E of 1/4 sec. cor. and set an Oak post 4 x 4 in. in Md & pits, on side of Grass hill facing South

T 4 N R 19 W.

for witness to 1/4 sec. cor as the true cor. falls in steep side hill not a suitable place to build a monument.

44.05 Witness post.

59.00 x creek 10 lks. wide course South and ascend.

80.00 Set an Elder post 5x5 in in Md & pits on side of grass hill. sloping N W. for cor. to secs. 10. 11. 14 & 15. from which

A L. Oak. tree 3 ft. in dia, bears N 4° W. .69 lks. dist.

A L. Oak 5 ft. in dia. bears. N 37 3/4 E 1.35 dist.

Land 1st rate.

East bet. secs. 11 & 14
Var 14°25' E

Ascending

17.50 top of high ridge N & S. and descend.

28.50 x ravine course South

T 4 N R 19 W.

4000 Set an Oak post 4×4 in in R. M.
on point of spur bearing N & S
for 1/4 sec. cor.
5300 × ravine course South.
7150 top of spur N W & S E.
8000 Set a Sycamore post 5×5 in
in R. M. on side hill sloping
N E. for cor. to secs.
11, 12, 13 & 14.
Land rough. 2nd
and 3rd rate.

T 4 N R 19 W.

From post cor. to secs. 7, 12,
13 & 18. on line bet. ranges
19 & 20 as established in former
Survey. I run. East bet.
secs. 7 & 18. Var 14°25' E
the land to the East is to rough
to measure, and to obtain the
distance. I run West 13.00 chs.
and leave a flag thence
North 15.00 chs. for base and bar flag
I then proceed to top of hill East
of Cor. to a point which I find
by Calculation to be. 12.61
East of cor. to secs. 7, 8, 17 & 18.
and set a Walnut post 5×5 in
in R. M. on side hill facing
South for Witness to cor. to
secs. 7. 8. 17 & 18. as the true
Cor. falls on steep side
hill not a suitable place
to build a monument.

T 4 N R 19 W.

East bet. secs. 7 & 17.

Var 14½° E

12.61 Witness post.
19.00 top of high ridge N 45 W.
2000 leave small Mid. Rocks. Thence
by traverse

		N	W	
North	2.50	2.50		20.00
N 46 W.	16.00	11.46	11.87	
		13.96		
N 5 W	3.00	2.99	.26	
			12.13	
N 31 E	20.00	17.14	~~10.30~~ 1.83	10.30 leave point
		34.09		
N 44 W	26.16	18.81	18.67	to line bet. secs
		52.90	20.00	

7 & 8. and run thence South 5.00 chs. and set a Cement-1 2 p/c 18 x 16 x 6 in. in R. M. on side hill sloping near top of ridge S.W. for witness to 1/4 sec. cor. as cor. falls on side hill not a suitable place to build a monument. 7.90 North thence North bet. secs. 7 & 8.

70.00 top of high ridge sec 7 & 8 m. and descend,
71.00 recross
73.50 Set a walnut post in R. M. on side hill facing north for witness to cor. to secs. 5. 6. 7 & 8, as cor falls on steep side hill not a suitable place for a monument. Leave flag.

T 4 N R 19 W.

By traverse from cor.
to secs. 7, 12, 13 & 18. bet.
Ranges 19 & 20

		N	S	E	W
N 22½ W.	57.82	53.42			22.12
" 4 E	26.00	20.94		1.81	
" 39 "	11.00	8.55		6.92	
North	4.35	4.35			
East	3.96	92.26		3.96	
				12.69	
N 22 E	3.47	3.22		1.30	
				14.02	
N 82½ E	7.00	.91		6.94	
		96.39		20.96	
" 12½ E	5.37	5.24		1.16	to a
		101.63		22.12	
point on		N 21.63			boundary of sec.
6.					of cor. to secs. 1. 6.

7 & 12 and leave a Sycamore post in Mid. of Rocks. on top side of cliff 25 feet to leave for Walnut to the sec. cor. thence

		N	S	E	W
		21.63			
S 51 E	5.50		3.46	4.28	
N 60¼ E	4.75	2.35		4.12	
		23.98		8.40	
~~S 87½ E~~ E		3.44			
		20.52			

from which point the notice of the Superior Consolidated Oil Claim bears N 32° W. 32 dist.

T 4 N R 19 W

	Dist.	N	S	E	W	
		23.98	3.46	8.40		
S 87½ E	5.50		.24 / .70	5.50		
N 55 E	6.75	3.87 / 27.85		5.52 / 19.42		
N 62½ E	9.00	4.16		7.98		
N 2¾ W	3.43	3.43			.16	
N 45 E	4.00	2.83		2.83		
N 9½ E	9.42	9.29 / 47.56		1.56 / 31.79		R.M.
N 56¼ E	11.32	6.29 / 53.85		9.45 / 41.24	*	Stake
N 25 E	3.94	3.57		1.67		
N 47 E	3.00	1.17 / 58.59		2.76 / 45.67	45.48	House [illegible]
		.70 / 57.89		.16 / 45.51		
N 28 E	4.34	3.83		2.04		
N 47¼ E	2.82	1.92		2.07		
N 35½ E	1.77	1.44		1.03 / 50.65		
N 1¾ W	1.67	1.67	.05	1.18 / 49.44	.05	
N 38¾ W	1.80	1.40 / 68.15	1.13 / 1.18		1.13 / 1.18	to

Live Oak tree 40 in. in dia. mkd. L. A. and 2 notches.

T 4 N R 19 W.

from point 9.00 South of cor. to secs. 5, 6, 7 & 8. Drum by Traverse

Course	Dist.	N	S	E	W	
			9.00			
N 77½ E	21.50	4.66		20.99		
" 51½ E	6.96	4.34 / 9.00		5.45 / 26.44		to line

bet. secs. 5 & 8. thence West. 1.50 chs. and set a Walnut post 5 x 4 in. in R. M. on top of high ridge bearing N & S. for witness to cor. to secs. 5. 6. 7. & 8. from which a Live Oak 3 ft. in dia. standing on the edge of steep hill on top of ridge bears. N 29½° E 2.36 dist. 24.94 East. [Flag]

thence East bet. sec. 5 & 8 descending

27.50 × head of ravine course South

31.50 top of spur NW & SE.

40.00 set a Walnut post in pits & mound on side hill facing SE for ¼ sec. cor.

8006
2494
5512

T 4 N R. 19 W

For connection to Kentucky Mine by traverse from Cor to Sec's. 7, 12, 13, & 18

N 22½ W 57.82
N 4 E 10.93 From which the notice of Kentucky Mine bears West 2.48. the same being 10.00 West of S E Cor of said Mine 26.00 to mouth of little Sespe and leave stake and R M. Redwood stake charred on one side, 79.36 North and 20.31 West of Cor. to Sec's. 7.12, 13 & 18.

From point at mouth of Well Cañada by traverse

* S 41 E 8.94
S 73¾ E 2.63 falls.
N 74½ E 3.23 From which the well bears N 56 W. 2.00 Dist.

Centennial Cañada bears N 37 W.

T 4 N R 19 W

from End of traverse at House of Capt. Roberts by traverse up trail

		N	S	E	W	
N 22 W.	7.12	6.60			2.66	
" 10° W.	2.78	2.74			.48	
N 20½ E.	1.70	1.59		.59		
" 70 W.	2.92	.99			2.74	
" 1° E	4.70	4.70		.08		
N 67 W.	3.23	1.26		.67	2.97	
" 4 W.	1.82	1.81			.13	
" 50 "	5.35	3.43			4.10	
" 10 "	3.25	3.20			.56	
		26.32			13.64	Stake
" 75 E	3.40	.88		3.29		
" 23 E	5.79	5.33		2.26		
" 61½ E	1.38	.66		1.21		
" 21 E	5.16	4.82		1.85		
" 60 E	6.50	3.25		5.63		
" 13¾ E	4.00	3.89		.95		leave stake
		45.15		15.86		
				13.64		
				2.22		

S 36½ E 1.87 ΔT [illegible]

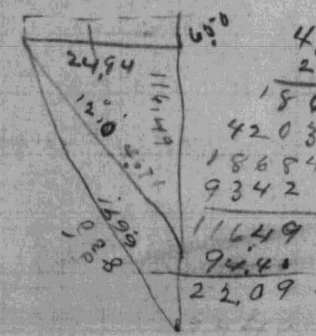
at End of traverse in Oak flat.

T 4 N R 19 W.

From a point on traverse line in road. 95.90 North and 41.12 East of cor. to secs. 1.6. 7 & 12 I run S 36½ E. 1.87 chs. to Township line thence West 2.00 and set a Oak post in WCK mound. for witness cor. to fract. Secs. 31 & 6. on side hill sloping N.W. below Trail from little Sespe to Tar Creek. 23 lks. East of ¼ sec. cor.

T 4 N R 19 W

From W.P. to cor. to secs. 5. 6 7 & 12. 6.50 South. I run North by triangulation having a base flag on line bet. secs. 5 & 8. 24.94 E of cor.



4.671
24.94
18684
42039
18684 C
9342
116.49474
94.40
22.09

and set a Sand Rock. 16 × 12 × 6 in in R. Mid. on upper side of Trail from Sespe to Tar Creek. for witness to cor to secs. 5. 6. 31 & 32. 22.09 North as the cor. falls on steep side hill facing North. not a suitable place to build a Monument.

6.691
2.449
59589
26764
26764 C
13382
163.85629
94.40
69.25

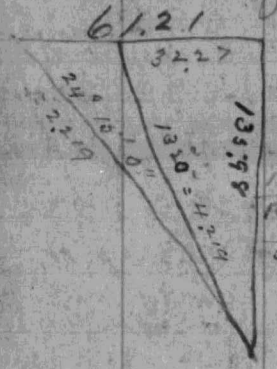
By triangulation from same base to summit of ridge bearing E & W 69.25 chs. North of cor to secs. 5. 6. 31 & 32. and set a Redwood post 4 × 4 in in WCK mound on summit of ridge

T. 5 N. R. 19 W.

For witness to cor. to secs. 29. 30 31 & 32. leave flag, 10.70 South of Cor. from which point a flag and rock mound on edge of perpendicular bluff of slide brow S 25° E 32.27

and

Flag and rock mound on summit of high ridge bears S 41½ E. (61.21)



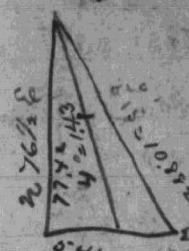
4.219
3.227
29533
8438
8438
1265.7
1361471.3
60
56

2.219 (5
6.21
2219
4438
2219 C
13314
135.82499
136.15
2) 271.97
135.98
80
55.98

to a point on low brushy hill 55.98 chs. North of cor to secs. 29. 30. 31 & 32. and set a redwood post in ~~mound~~ rock md. on lt. of knoll for witness to ¼ sec. cor. 10.98 North leave flag.

T. 5 N. R. 19 W.

By transquitalum from ¼ W P. bet. secs. 29 & 30



10.892
7.12
21764
10892
76174 C
77.47984
77.363
2) 154.84284
77.42142

0.41
14.3
1623
2164 C
5.41
77.363 = 8

N 76½ E 77.42 =

N
17.98
10
18.08
15.98 +
34.06

E
74.87
.41
75.28 to a

point 34.06 North and 75.28 East of cor. to secs. 29, 30, 31 & 32 from which point I run N 13½ W. 7.12

N
6.81
.12
6.93
34.06
40.99 N
40
80.99

N
1.93
3
1.96
75.28
73.32 E to

a point of said sec. cor. from which point I run East 7.00 thence South .99 chs. to line bet. secs. 21 & 28. .32 chs. East of the cor. on edge of high rocky cliff and mark a large sand rock 6 ft. x 4 x 2 ft. for witness to cor. to sec. 20, 21, 28 & 29. as cor. falls on perpendicular

T 5 N R 19 W

Bluff not a suitable place to build a monument leave flag.

South bet. secs. 28 & 29
Var 14°25'

descending
4000 the point for 1/4 sec cor falls on steep side hill & not a suitable place to build a monument I continue
4800 x Creek 10 lks. wide course S W
4850 set an Oak post 5x5 in in large red. R. in Canada for witness to 1/4 sec. cor. from which
A Sycamore tree 2 ft. in dia. bears S 21° E 24 lks. dist. from which cor. I run
N 86½ E 4.24 chs thence
S 77¼ E 3.58 chs. to the N.W cor. of Sespe Oil Claim

T 5 N R 19 W

Same being the S.E. Cor. of the Washington also the S.W. cor. of the Helms Oil Claims. being a mound of rocks on side hill sloping West near ravine.

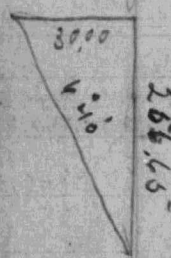
T. 4 N. R 20 W.

Contract R 20 W.

from Cor to Secs. 7. 12. 13 & 18. bet. Ranges 19 & 20. I run West 5.00 Chs. Var. 14°25' E.

thence for Base.

North 30.00 and leave flag. I then proceed West to a point on summit of high Ridge where my Flag bears. N 83°20' E. ~~which~~ I find the distance by Calculation to be 256.65 to which I add 5.00 making the total 261.65 distance from cor. to secs 7. 12. 13 & 18. 261.65 thence West counting the distance from Cor. to Secs. 10. 11. 14 & 15.



Var 14°25' E

25.00 leave small flag.

29.50 the point for 1/4 sec. cor. falling on steep side hill not a suitable place to build a monument. I set a Madron post 5×5 in Md. Rock on top of high Ridge bearing

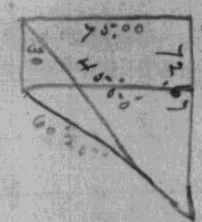
T 4 N R. 20 W.

N E & S W. for Witness to 1/4 sec Cor. leave large flag.

Land very rough. high Mountains. There is some fine pines in the S W 1/4 of the S E 1/4 of sec. 6.

From the cor. to Secs. 11. 12. 13 & 14. By Triangulation. ascending steep Mountain

Var 14°25' E



The mean of the two = 72.67. summit of high rocky & brushy Ridge N. E. & S. W.

75.00 Set an Oak post 4×4 in Md. of Rock on steep side hill doping North for Witness to Cor. to secs 1. 2. 11 & 12. as cor will fall on steep side hill not a suitable place to build a Monument. leave flag. thence West on offset line bet. secs. 2 & 11. ascending a North slope of Ridge

10.31 to point thence along ridge

		N	W
N 21°30' W.	1.58	1.47	10.31 .58
N 49°30' W	4.65	3.02	3.53
		4.49	14.42

to a point on high ridge and leave large flag for Base.

11.73	5.60	14.33
62	.30	21 43°
12.35	5.90	

From Cor to T. 3 & 4 N R 20 & 21 W.

I run South bet. secs. 1 & 6.

~~Var 14°45' E~~

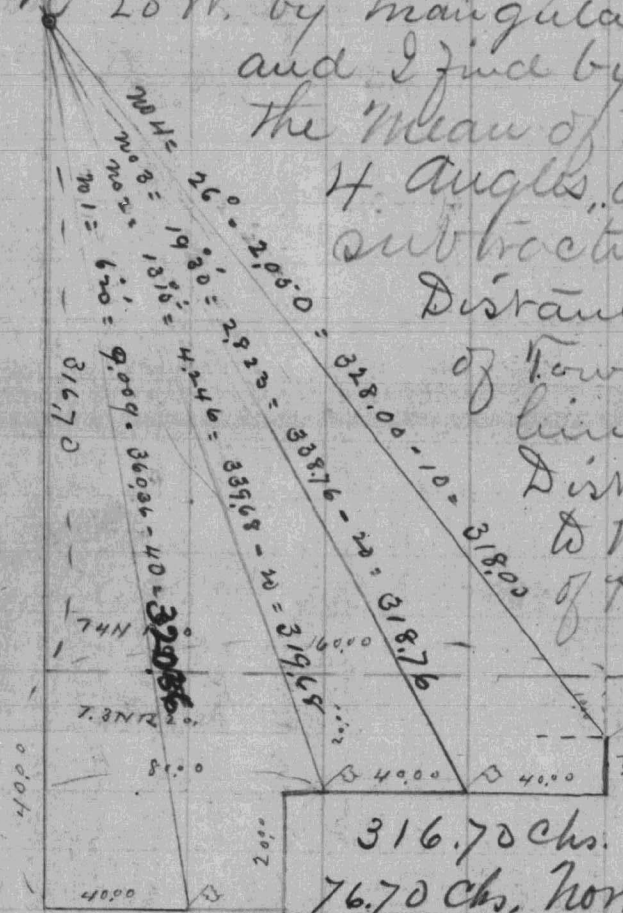
" 14°50' E

40.00 and leave large flag in field about 20.00 chs. North of Stage Road. thence East 40.00 leave larg flag near Stage Road below Telegraph Line continue East. 65.00 thence North 20.00 chs. " East. 15.00 " to line bet. secs. 5 & 6. and leave large flag. continue East. 40.00 and leave large flag. continue East. 80.00 ~~thence~~ to line bet. secs. 4 & 5. thence North bet. secs. 4 & 5 10.00 thence by offset. leave flag. East.

F.B. 1315-62

T 4 N R 20 W.

from Cor. to Townships 3 & 4 N Rgs. 20 & 21 W. I run North on West boundary of T. 4. N R 20 W. by Triangulation and I find by taking the Mean of the 4 Angles, and subtracting the Distances South of Township line, the Distance, to the Summit of High Rock Ridge to be



316.70 Chs. = 76.70 Chs. North of Cor. to Sec's. 18 & 19. and Mark a Pine tree 2 ft. in dia for Witness to Cor. to Secs 7 12. 13 & 18. on summit of high ridge E & W.

F.B. 1315-63

T 4 N R 20 W.

and leave a Large flag on top of same Pine tree. 3,30 chs. South of true Cor.

East on offset line bet secs. 7 & 18.

Var 14°25' E.

along summit of high ridge 40.00 the point for 1/4 sec. cor falling on steep side hill Not a suitable place to build a Monument I set a pine post 3 x 3 in. in large Mol. R. on ~~summit~~ spur of high Ridge bearing N W & S E. for Witness to 1/4 sec cor. 10,62 chs. North of true Cor. and at 11,50 Chs. North of 1/4 sec cor I leave a flag in top of pine tree.

20,00 .17
22
2022

17 80 00
68 69
11.31
10.74
.57

5,35
28
5,63

5363
235
51.28

12.64

10.74 5.35
.57 .28
11.31 5.63

May 2nd 1880

T.6. N. R 17 W.

From point on Standard line 58.80 chs. West of Cor to Secs. 33 + 34. I run.

Var 14°25' E

N 21 3/4° W. 2.23 chs. thence
N 14° W. 7.00 chs. and leave a large flag in R. M. on brow of hill

6N-1

	N	W
N 21 3/4 W 2.23	2.07	.82
N 14 W 7.00	6.79	1.69
	8.86	2.51
	70.04	58.80
	80.90	61.31
		164
		62.95
		61.11
		1.84
		164
		20

T 6 N R 17 W.

From 1/4 Sec. W. P. 30.31 Chs.

West of Cor. to T 6 N R 16 & 17 W. I run. By traverse. said post on W. Side of Castagne Canada.

Var 14° 25' E.

Course	Dist	N	S.	E	W.	
West.	30.31				30.31	
N. 15½ W.	45.00	43.36			12.03	thence
North	16.64	16.64			42.34	
East.	2.34	60.00		2.34		to 1/8 line to 1/8 cor.
North	20.00	20.00 / 80.00				

to line bet. Sec's. 25 & 36. And set a Sycamore post 5×5 in. in large R. M. in N.E. Edge of Valley Castagne. for 1/4 Sec. Cor. leave Fag. thence

West bet. sec's. 25 & 36.

30.50 Set a Sycamore post in R.M. on W Side of Castagne creek for Witness to cor. to Sec's. 25. 26. 35 & 36. From which a Sycamore tree 20 in. dia bears N 64½ E. 2.83 dist. as cor falls on bluff not

T. 6 N R 17 W.

suitable place to build a monument thence by offset

North 5.00 thence

West 9.00 to line bet. sec's. 25 & 26 and set a Cottonwood post 4×4 in. in R. M. on S. W. bank of creek for Witness to cor. to sec's. 25, 26 35 & 36. From which a Sycamore tree 14 in. dia bears N 61½ W. 1.94 lks. dist. as cor. falls on steep side hill not a suitable place to build a mon.

North bet. sec's. 25 & 26.

Var 14° 25' E.

5.00 W. P.

6.00 × creek. 50 lks. wide SE. thence along Cañada of Castagne

36.50 leave Cañada NE & SW. ascend.

40.00 Set a Sand Rock 18×12×20 in in R. M. on side hill sloping SE, for 1/4 Sec. Cor.

T6 N R 17 W.

By Traverse from Point

34.00 chs. North of cor. to secs. 25. 26. 35 + 36.

		N	S	E	W
		34.00			
West.	15.22				15.22
N40W	60.05	46.00			38.60
		80.00			53.82

to line bet. Secs. 23 + 26. thence East. 9.25 chs. and Set an Elder Post 3×3 in. in R.M. on side hill Sloping S.E. for Witness to 1/4 sec. cor. 4.57 W. as the Cor will fall on steep side hill not a suitable place to build a monument. leave flag.

West bet. Secs. 23 + 26. from W.P. to 1/4 sec. cor. counting the distance from 1/4 cor.

4.57 W. P.

6.00 foot of hills enter Canada Castaque N W + S E.

20.25 × Creek. .50 lks. S E.

22.50 An old. Log House about 1.00 South

37.00 leave Canada N E + S W and ascend

T6 N R 17 W.

39.50 Set a Sycamore post 4×4 in in. R. M. on side hill sloping N.E. for Witness to cor. to Secs. 22, 23, 26 + 27. as true cor falls in Barranca not a suitable place to build a Monument. (leave flag)

North bet. Secs. 22 + 23.

Var 14°25' E.

1.50 foot of hills enter Canada N W + S E

9.50 × creek .50 lks. S E.

36.50 leave Valley N W + S E ascend grass hills.

40.00 Set a Sycamore post 5×5 in R. M. on side of grass hill sloping S.E. for 1/4 sec. cor. (from which one of a ~~West~~ cluster of Sycamore trees 12 in. in dia. bear West.

11.98 chs. dist. thence

West. 19.00 " thence

	N	W
N 3° W. 37.50 =	37.45	19.00
		1.97
		20.97

T 6 N R 17 W.

	N	E	W	
	37.45		20.97	thence
			2.00	
			18.97 △	
East	2.00		2.00	
North	2.55	2.55		
		40.00		

the line bet. Sec's. 15 & 22. △ to

thence

East bet. Sec's. 15 & 22.

Var 14°25' E.

17.00 to foot of steep hill and set a Sycamore post. 5 × 5 in. in. R. M. at foot of hill for witness to cor. to sec's. 14, 15, 22 & 23. as cor falls on steep side hill not a suitable place to build a monument.

from which

a Sycamore tree 2 ft. in dia. bears N. 80½ W. 1.37 dist.

(leave flag.)

West bet. sec's. 15 & 22.

1.97 W. P.

4.22 × creek .30 lks. S W. thence along Valley.

T 6 N R 17 W.

22.50 × creek, castaque .30 lks. South.

24.00 leave Canada, N & S, ascend.

By Traverse from cor. to sec's. 14. 15. 22 & 23.

		N	S	E	W
West	19.00				19.00
N 11 W	16.94	16.63			3.23
					22.23
N 9½ E	13.50	13.31		2.23	−9.48
					12.75
N 46½ E	10.00	6.88		7.25	
		36.82		9.48	
N 28½ E.	19.00	16.70		9.07	
		53.52		18.55	
N 79½ E.	3.74	.68		3.68	
		54.20		22.23	

to line bet. Sec's. 14 & 15. 54.20 chs. North of cor. to Sec's. 14. 15. 22 & 23.

thence

South 1.54 chs. to foot of Perpendicular a Sycamore tree, 10 in. in dia Standing on South bank of creek. which I mark for witness to ¼ sec. cor. 12.66 North of ¼ cor.

T 6 N. R 17 W.

From Cor to Secs. 14, 15, 22 & 23 Traverse

			N	S	E	W
12	North	54.20	54.20			
13	N 79½ E	1.00	.36		1.97	
14	N 54° E	11.40	6.70		9.22	
15	N 7½ E	3.84	3.80		.50	
			65.06		11.69	
16	S 84¾ W.	4.30	.40	.40	4.28	4.28
			64.66		7.41	
17	N 22½ W.	4.00	4.16			1.72
18	N 28¾ E	7.10	6.23		3.42	
					10.83	
19	N 76¼ W.	7.88	1.86		9.33	7.61
			76.91		1.50	9.33
20	North	3.09	3.09			1.50
			80.00			
21	West	1.50				

Cor. to Secs. 10, 11, 14 & 15.
and set an Alder post. 4x4 in
in R. M. on west side of creek
for cor to Secs. 10, 11, 14 & 15.
from which a Sycamore
tree 14 in. in dia. bears N 82½ E.
60 lks. dist.

T 6 N R 17 W.

From cor to Secs. 10, 11, 14 & 15.

Course.	Dist.	N.	S.	E.	W.
East	1.50			1.50	
N 11¾ W.	6.22	6.08			1.26
N 52½ W.	5.58	3.39			4.43
		9.47			5.69
North	3.39	3.39			4.19
N 8° W	2.34	2.32			.33
		15.18			4.52
N 45° E	3.15	2.23		2.23	2.23
		17.41			2.29
N 3½° W	7.87	7.86			.48
		25.27			2.77
N 23 E	12.50	11.51		4.88	
		36.78		2.77	
North.	5.40	5.40			
		42.18			
West	2.11	.30			
		41.88	.30		2.11
South	.30				

to line
bet. Secs. 10 & 11 and set a
Sycamore post 4x6 in. in R. M.
on South side of creek at foot of
perpendicular bluff for
Witness to 1/4 sec cor. 1.88 North.
from which a
Cottonwood tree 14 in. in dia
bears N 38° W. 58 lks. dist
A cottonwood tree 14 in. in dia
bears S 80° E. 88 lks. dist.

T 6 N R 17 W

		N	S	E	W	
North	1.88	1.88				
31 N 48° W	18.50	12.77			13.75	
		14.65				
32 N 88 W	5.25	.18			5.25	
		14.83			19.00	to Cottonwood Cluster
33 N 25½ E	5.95	5.37		2.56		
34 N 64½ W	5.50	2.36			4.60	
		22.56			23.60	
35 N 29¾ E	15.32	13.30		7.60	2.56	
		36.06			21.04	
36 N 47 W	5.77	3.94			4.22	
		40.00			25.26	
					7.60	
					17.66	to

line bet. Secs. 3 & 10.
and set a Cottonwood post
4x4 in. in R. M. on N E side
of Cañada on side hill sloping
S.W. for Witness to cor. to secs.
2. 3. 10 & 11. 17.66 W. from which
a Cottonwood post 14 in. dia
bears S 78¾° W. .54 cks. dist.

T 6 N R 17 W

	Dist	N	S	E	W	
					17.66	
N 21¼ W	2.41	2.24			.87	
N 39¾ E	7.47	5.74		4.78		
N 82½ W	2.78	.36			2.75	
		8.34			20.28	
		2.00			4.78	
					15.50	
S 67½ W	5.23	6.34	2.00		4.83	
					20.33	
N 1½ E	12.14	12.14		.26	-.26	
		18.48			20.07	
West	5.15	4.88			5.15	
		13.60			25.22	
S 45 W	6.90		4.88		4.88	
					30.10	
N 65¼ W	6.38	2.67			5.79	
		16.27			35.89	
N 45½ W	10.00	7.01			7.13	
N 32¼ W	1.73	1.46			.92	
					43.94	
N 13½ E	2.87	2.80		.67	.81	
					43.13	to Mouth of Right Cañada
N 5° E	1.60	1.60		.14		
		29.14		.81		
N 25½ W	7.69	6.94			3.31	
N 47½ W	6.12	4.13			4.51	
N 9¾ W	4.36	4.29			.74	
N 42½ W	5.82	4.29			3.93	
N 85 W	4.29	.37			4.27	
		39.16			59.79	post near Cottonwood Tree

May 4th 1880

T 6 N R 17 W.

From Cor. to Sec's. 2. 3. 10 & 11.

		N	S	E	W
		29.14			43.13
S 84 E	5.10		.03	5.07	5.74
					37.39
N 29½ E	1.37	1.19		.67	
		30.33		5.74	
N 48 W.	6.81	.53			
		29.80			5.06
		4.55			
N 38¼ E	6.41	5.03		3.96	
N 16 W.	7.11	6.83			1.96
					44.41
N 74 E	3.11	.86		2.98	6.94
		47.07		6.94	37.47
N 2 W	12.32	12.31			.43
					37.90
N 46 E	2.27	2.58		1.63	1.63
		61.96			36.27
N 15 W	6.17	5.96			1.59
		67.92			37.86
N 27½ E	6.29	5.58		2.90	2.90
		73.50			34.96
N 39 W	5.70	4.43			3.59
		77.93			38.55
North	2.37	2.37			
		80.30			

line bet. secs. bet to Secs. 3 & 34 and set a Cottonwood post 3 x 5 in in R. M. on E side of Creek for witness to ¼ sec. cor. 1.45 East. From which a Cottonwood tree 10 in. in dia. bears S 2¾ E 78 lks. dist. A Sycamore tree 6 in. dia bears N 35½° W .60 lks. dist

T 7 N R 17 W.

From Cor to Secs. 34 & 35

Course	Dist	N	S	E	W
					38.55
N 20¾ E	6.00	5.61		2.13	
N 29 W	5.73	5.01			2.77
N 7½ E	6.15	6.10		.80	
				2.93	
N 53 W.	2.50	1.50			2.00
					43.32
~~N 12 E~~		18.22			2.93
					40.39
N 12 E	7.21	7.05		1.50	
N 5¾ W	5.20	5.17			.02
N 20¼ W	5.00	4.69			1.73
		35.13			42.64
					1.50
					41.14
N 70½ W	3.30	1.10			3.11
N 22½ W	13.75	12.70			5.26
		48.93			49.51
N 30 E	6.90	5.98		3.45	
N 11 W	4.10	4.03			.78
					50.29
N 26 E	4.00	3.60		1.75	5.20
				5.20	
		62.54			45.09
N 6½ W	13.95	13.86			1.58
		76.40			46.67
N 61¼ W	1.78	.85			1.57
		77.25			48.18
N 23 W	3.00	2.75			1.17
		80.00			49.35

to line bet. Secs. 27 & 34, and Set a Sycamore post 4 x 4 in.

T 7 N R 17 W.

in large Md. R. on E side of creek for witness to 1/4 Sec. cor. 9.35 west; as cor falls on steep side hill not a suitable place to build a monument from which a Sycamore tree 10 in. dia. bears. S 71 1/2 W. .93 lks. dist.

Traverse from cor. to Secs. 27 | 26 / 34 | 35

			N	S	E	W
80						49.35
81	N 20 1/4 W	4.64	4.35			1.60
82	N 7 W	5.50	5.46			.67
			9.81			51.62
83	N 26 1/2 W	6.00	5.37			2.68
84	N 18 W	10.34	9.83			3.19
85	N 2 1/2 E	2.50	2.50		.11	
86	N 20 1/2 W	5.75	5.38			2.01
			32.89			59.40
						.11
						59.29
87	N 12 W	15.60	15.26			3.24
			48.15			62.53
88	N 3 1/4 E	18.40	18.38		.96	.96
			66.53			61.57
						9.97
89	N 36 1/2 E	16.76	13.47		9.97	51.60
			80.00			

to line bet. Secs. 22 & 27 thence

Cor. a Band [illegible] 20 x 18 x 12 in

T. 7. N. R. 17. W.

~~West~~ East. Chs. Set post.

~~West bet. Secs. 22 & 27.~~

Var 14°25' E.

5.50 leave marsh foot of hill N & S. and ascend

90 11.60 to cor. —

West bet. Secs. 22 & 27.

Var 14°25' E.

descending over brushy & broken hills.

40.00 Set a Sycamore post 3 x 4 in. in R. M. on top of low knoll. for 1/4 Sec. cor. from which a House bears N 7 1/2 W. dist.

46.10 foot of hills N & S enter Cienaga (102.60)

63.00 x creek 35 lks. South. (1518.00)

66.00 leave Cienaga and ascend over brushy hills

80.00 Set a Sycamore post 5 x 5 in. in R/M on side hill sloping East. for cor to Secs. 21. 22. 26 & 27.

T 7 N R 17 W.

North through centre of Sec of Sec. 22.

Var 14 25 E

8.00 foot of hill enter Cienaga NE & SW.
13.70 × fence E & W.
16.50 a house about 2.00 chs. West.
17.25 × fence N W & S E.
29.50 × Sauza N E & S W leave Valley altitude 3.110 ft.
40.00 Centre of Sec.
35.00 off Set. thence
92 East. 14.00 thence
93 North 22.50 thence
94 East. 6.00 "
95 North 2.50 to 1/8 sec. cor.
96 N 45 E. 28.27 to Cor. to Secs. 14, 15, 22 & 23. and Set an Oak post. 3 × 3 in. in Mid. & pits on side of hill sloping West for Cor. to Secs. 14, 15, 22 & 23.

T 6 N R 17 W.

West bet. Secs. 22 & 27.

Var 14 25 E

ascending
1059 16.50 × open N & S.
1980 30.00 × ravine 10 lks. N. E.
2640 40.00 Set a Sand Rock 16 × 10 × 12 in R. M. on side hill Sloping S E for 1/4 sec. cor.
3795 57.50 × trail on Ridge N E & S W.
501 76.00 × near head of ravine N E.
5280 80.00 the point for Sec. cor. falling on steep side hill not a suitable place to build a Monument. I set a Manzanita post 3 × 3 in. in. on summit of high Divide bearing N W & S E for Witness to cor. to Secs. 21, 22, 27 and 28. 10.00 West. leave flags

T 6 N R 17 W

West bet Secs. 21 & 28.

Var 14 25 E.

15.00 W.P. thence
N 31° W for base
4.00 N 343.B W 2.06

19.50 × near head of ravine South.

30.50 summit of Spur N & S leave flag
thence descending brushy
side hill

40.00 Set a ~~Bu Bu~~ Sumac 3×3 in. post on brushy
side hill sloping west in Md & pits. for 1/4
sec. cor.
× ravine 10 lks. South and
ascende through dense brush

T 6 N R. 17 W.

West bet Secs. 16 & 21.

Var 14 25 E.

ascending

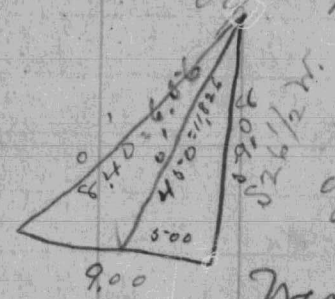
25.00 summit of high brushy ridge
N & S. (leave flag).

27.00 Set a Bear Berry post 3×3 in in md & pits ~~R. M~~
on top of ridge for Witness to
1/4 sec. cor. as true cor. falls
on steep brushy side hill
Not a suitable place to build
a monument.

46.50 × ravine South and ascend.
Steep brushy side hills

T 6 N R 17 W.

From point 30.50 West
of cor to Secs. 21, 22, 27 & 28
by Maingulation
to a point
52.87 S & 56.86 W
of cor to Secs. 21, 22, 27 & 28
thence



West 2.00 thence
South 5.00 "
West 2.00
South 22.13 to line bet secs.
28 & 33. thence West bet. secs.
28 & 33.

3.90 × Barranca 50 lks. South.
19.14 to cor. to Secs. 28, 29, 32 & 33
and Set an Oak post 4×4 in
in Md & pits. on side hill
sloping South in edge of Brush
for cor to Secs. 28, 29, 32 & 33
from which
a White Oak tree 2 ft dia
bears S 24 1/2 E 10.20 Dist

Flag on the [illegible]

T 6 N R 17 W.

North bet Secs. 28 & 29.
Var 14.25 E
ascending along East slope
of brushy ridge
40.00 Set an Oak post 2×4 in. in
R. M. on side hill sloping
N.E. for 1/4 sec. cor.
80.00 Set an Oak post 4×4 in. in
R. M. on side hill sloping
East for Cor. to Secs. 20, 21,
28 & 29.

From point on line bet.
Secs. 28 & 33. 61.11 chs. West
of cor to Secs. 28, 29, 32 & 33,
Run S 64 E

	S	E	Var 14.25 E
S 64 E 23.49	10.29	21.11	thence

North 12.24 to 1/4 sec. cor. bet. secs.
28 & 33 and Set a post
for 1/4 sec cor

T 6 N R 17 W

East bet. Secs. 28 & 33.

Var 14° 25' E.

3.00 top of spur N E & S W.

16.00 × Barranca 50 × lks. South.

33.00 leave valley and ascend

40.00 Set a Redwood post 3 × 3 in. 3 ft. in Md & pits on top of ridge N & S. from which a House bears S 24¼ W about 30.00 dist. thence descending

52.50 × Trail from Castagne to Oak flat. N E & S W.

53.00 × creek 10 lks. South and ascend

80.00 Set an Oak post 4 × 4 in. in R. M on side hill sloping West for cor. to Secs 27. 28 33 & 34.

T 6 N R 17 W.

West bet Secs. 29 & 32.

Var 14° 25' E

1.00 leave flag. and descend brushy side hill.

16.00 × Trail from Oak Flat to Pine Creek N.W. & S.E.

16.50 × creek 10 lks. S E and ascend steep brushy side hill.

(18.00 leave point for traverse)

40.00 Set an Oak post 4 × 3 in R. M on side hill sloping N E for ¼ sec. cor.

67.50 Summit of high brushy ridge N W & S E. and set a Granite Rock 16 × 10 × 8 in in R. M. for W. P. to cor. to Secs 29 30 31 & 32. leave flag.

12.90 East. as the cor. falls on steep side hill not a suitable place to build a monument

2nd & 3rd rate. very Rough and brushy

T 6 N. R 17 W.

North bet. Secs. 29 & 30

Var 14 25' E

ascending

12.62 Set a Redwood post in R. M. on summit of high ridge bearing N.W. & S.E. for witness to cor. to Secs. 29. 30. 31 & 32. thence descend steep brushy side hill

N-5

N. B. From Flag 12.90 E of cor. to secs. 29. 30. 31 & 32. the bearing to summit of hill = N 7½ W.
from flag 13.19 N & 3.35 E of cor. to Secs. 19 24 25 & 30. the bearing to summit of hill = S 74 E.

46
33.36
6.64

T 6 N R 17 W

By Triangulation to summit of high brushy Ridge N W & S E and Set a Redwood post 3 x 3 in. in R. Mt. for Witness to Cor. to Secs. 19. 24. 25 & 30 8.74 chs. E as cor. falls on steep side hill not a suitable place to build a monument.

N-5

Set a large flag on summit of high Ridge N W & S E. 13.19 N & 3.35 E of Cor. to Secs. 19 & 24 25 & 30

from cor. to Secs. 25, 29, 32 & 33

	S	E
S 24½ E 10.20	9.28	4.23
S 16 E 8.50	8.21	2.20
S 37½ E 20.00	15.87	12.18
	33.36	18.61
		2 add
		7.58

T 6 N R. 17 W.

West bet Secs. 18 & 19.

Var. 14° 25' E.

descending

26.50 × Creek 15 lks N W.

27.00 × Trail from Oak flat to Pine Creek NW & SE. and ascend.

30.37 a White Oak 3 ft. in dia. on side hill sloping East. on line Mark same for witness to 1/4 sec. cor. as cor. falls on steep side hill not a suitable place to build a Monument

73.36 to a White Oak Tree 4 ft. in dia on summit of ridge N & S in edge of Potrero 6.64 E. Mark same for witness to cor. to Secs 13. 18. 19 & 24. as true cor. falls in deep gulch not a suitable place to build a Monument

T 6 N R 17 W.

from W. P. 6.64 E of 13/18 24/19

I run North on offset line Var 14° 25' E

descending along ridge through edge of Potrero.

9.00 chs. thence

N 36° W. 6.00 thence

N 31° W 3.93

N 28° W. 17.73

		N	S	E	W
East				6.64	
North	9.00	9.00	~~9.00~~		
N 36 W	6.00	4.85			3.53
N 31 W	3.93	3.37			2.03
N 28 W	17.73	15.65			8.32
		32.87			13.88
					6.64
					7.24

North 7.13

4000

T 6 N R 17 W.

North on West boundary

Sec. 18.

Var 14° 25'

descending through Brush

33.00 a small Lake about 9.00 chs. West.

40.00 Set an Oak Post 4x4 in. 3½ ft. in R. M. on side hill sloping N. E. near head of small ravine course N E for ¼ Sec. Cor. from which a White Oak tree 3 ft. in dia. bears S 68 W. .39 chs. dist. a White Oak 20 in. in dia bears N 56½ E. 1.22 chs. dist.

43.39 top of ridge N E & S W. leave flag.

55.15 x Trail from Oak flat to Pine E & W.

58.00 x Creek 50 lks. West.

58.84 to foot of Steep abrupt bluff to a Cluster of White Oak trees one of which is 10 in in dia. I mark for witness to Cor. to Secs 7. 12. 13. & 18.

Land Rough 1st rate grazing

T 6 N R 18 W.

from a point 56.50 north of Cor. to Secs 13 18 19 & 24

From N By Traverse W Var 14° 25' E

		N	S	E	W	
S 80½° W.	11.29	56.50	1.87		11.14	
N 80½° W	22.61	3.73			22.30	
West	5.16				5.16	
N 85° W	2.16	.18			2.15	
N 60° W	3.33	1.66			2.88	
N 88½° W	6.00	.16			6.00	
N 61½° W	12.50	5.97			10.99	
		68.20			60.62	
		1.87				
		66.33				
N 79° W	9.00	1.72			8.83	leave point for traverse
		68.05			69.45	
S 47° W	14.42	9.85	9.85		10.55	to line bet Secs 13 & 14
		58.20			80.00	

South bet Secs. 13 & 14.

4.00 to N bank of Pine Creek. S W.

6.47 a Cottonwood tree 14 in on line.

8.00 to S bank of creek S W.

12.00 to foot of steep bluff and set a Sycamore Post 3x3 6.20 N in for witness to ¼ sec. cor. from which a Live Oak tree 2 ft. in dia bears S 60½ E .50 lks dist. a Cottonwood tree 16 in in dia

T 6 N R 18 W.

bears. 882° W. 2.09 chs. dist

thence

from Point 58.20 North of cor to Secs. 13. 14. 23 & 24. I run North bet Secs. 13 & 14

70.00 chs counting dist on fine Cart leave valley of Pine Arm N E for

80.00 Set an Oak post 4x4 in. in R. M. on steep side hill sloping East for cor. to Secs. 11. 12. 13 & 14. leave flag

From point in Valley Pine

	N	W
	68.05	69.45 of

Cor to Secs. 13. 18. 19 & 24. I run.

N 4¾ W 12.68	68.05	69.45
	12.64	1.04
	80.69	70.49

Point for Traverse.

9.51 chs. East of cor to Secs. 11 12 13 & 14.

T 6 N R 18 W

East bet. Secs. 12 & 13

Var 14° 25' E

descending steep side hill

7.50 x Pine creek 50 lks. South

9.50 x Trail from Newhall to Tejon

12.00 leave Cañada N & S and ascend

Traverse up Pine Creek from cor to Secs. 11 12 13 & 14

	N		E	W
East 9.51			9.51	
N 9 W 8.00	7.90			1.25
N ½ E 20.22	20.22		.17	1.25
	28.12		9.68	
			1.25	
			8.43	
N 25½ E 13.69	12.35		5.90	
	40.47		14.33	
N 43 W 18.00	13.16		12.28	12.28
	53.63		2.05	2.05 to

line bet Secs. 11 & 12 thence South 2.35 chs. to a cottonwood tree 6 in. in dia. mark same for Witness to ¼ sec. cor. 11.25 North on North bank of creek. thence North bet. Secs 11 & 12. counting the distance. from cor to Secs 11. 12. 13 & 14.

T 6 N R 18 W.

58.00 × Old Government Trail to fort Tejon NW & SE.

62.50 leave Valley NW & SE & ascend.

68.69 summit of Spur. NE & SW. and Set a Sycamore post 4×4 in in R. M. for Witness to cor. to Sec's. 1.2.11.&12. as cor. falls on steep side hill not a suitable place to build a monument.

thence

	N	W	
N 26½ W	12.64	11.31	5.63 to 1.50 4.13

line bet. sec's. 2 & 11 thence East. 1.00 to foot of steep abrupt bluff and Set a Sycamore post 4×4 in in R. M. on E side of Cañada for witness to Cor to Sec's. 1.2.11 & 12. 4.13 W.

From which

a Cottonwood tree 2 ft. in dia bears S 28½° W 1.82 chs. dist.

thence West bet. Sec's 2 & 11

Counting the distance from tree cor. to 1 2 11 & 12

T 6 N R 18 W

4.13 Witness Post. enter Cañada NE & SW.

8.00 × Creek 1.00 chs. South

14.00 × Trail to fort Tejon NW & SE.

Traverse from Cor to 1.2.11.12.

		N	S	E	W
West.	5.63				5.63
N 27 W.	8.86	7.90			4.02
N 77½ W	14.34	3.10			14.00
N 54¼ W	2.38	1.38			1.94
		12.38			25.59
S 81 W.	5.36		.84		5.29
West.	11.34				11.34
N 72 W	5.15	1.60			4.90
		13.98			47.12
		.84			
		13.14			
N 46½ W	3.10	2.14			2.25
N 69½ W	4.69	1.64			4.40
N 34 W	3.95	3.28			2.21
N 15 W	6.68	6.46			1.73
		26.66			57.71
N 32 W	3.50	2.96			1.85
N 2¼ W	5.50	5.50			.22
N 42¼ W	3.86	2.86			2.60
N 72½ W	8.00	2.41			7.63
		40.39			70.01

88

T 6 N R 18 W.

~~Fortuna Claim.~~

~~Located July 26th 79.~~

~~Recorded July 26th 79.~~

~~at 12 15 P.M.~~

~~Cañada Petroleum Mining~~

		N	S	E	W
		40.39			70.01
31 S 73 W	5.73	1.67	1.67		5.48
		38.72			75.49
32 S 87¼ W	4.51	.21	.21		4.51
		38.51			80.00

to line bet. secs. 2 & 3. thence

33 North 1.49 and set a Sycamore post. 3 x 3 in. in R. M. at foot of perpendicular bluff on North side of cañada for ¼ sec. cor.

From which

a Sycamore tree 1 ft. dia bears S 72° E. 53 lks. dist.

a Sycamore tree 2 ft. in dia bears S 10° W 81 lks. dist.

89

Copy.

Roblarcito Oil Claim

Beg. at the N. E. Cor. of the Piro Oil Claim and run Var 14 ¾ E

S 11¼ W along the East boundry of Piro Oil Claim 65.26 chs. in a mound of Rocks in which the Notice is placed at the S E Cor. of Piro Claim thence

S 49 ¾° E 20.10 chs. to a steep ravine. thence

N 19° E across the Brea Cañada 74.00 chs. to a mid. of Rocks on a small peak on brow of high ridge thence

N 75½ W following the course of ridge 27.83 chs. to Beg. containing 160 acres

More or less

J. M. Griffith — S. H. Brooks

J. M. Slauson — Lucy Brooks

Tully Wise — W. J. Wright

B. J. Lee — Mortimer Wallace

Aug. 1st 1877

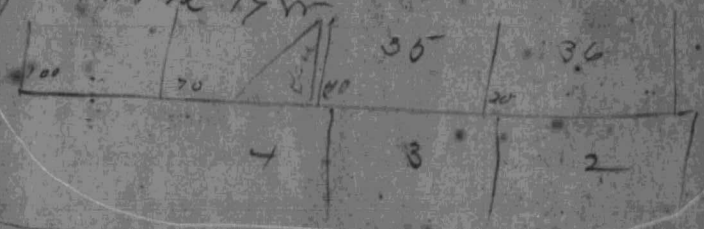
— J. C. Udall. —

— E. G. Sobey. —

Elev. ~~3900~~ 4,000 ft. Standard Line

~~Base and~~

Base left on 1st Standard line large flag north of line 62.46 north 27.74 West of cor. to secs. 34 & 35 of T 6 N R 17 W



from T No 7 to T. No 8

N 37¼ E. 183.25.

from No 8 to No 1.

S 33½ E. 174.02

713 363
77 39
796 402

3,031 367
7 33
3 101 400

116 163
22 31
1,38 1,94

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1	$2\frac{1}{3}$	21	49	41	$95\frac{2}{3}$
2	$4\frac{2}{3}$	22	$51\frac{1}{3}$	42	98
3	7	23	$53\frac{2}{3}$	43	$100\frac{1}{3}$
4	$9\frac{1}{3}$	24	56	44	$102\frac{2}{3}$
5	$11\frac{2}{3}$	25	$58\frac{1}{3}$	45	105
6	14	26	$60\frac{2}{3}$	46	$107\frac{1}{3}$
7	$16\frac{1}{3}$	27	63	47	$109\frac{2}{3}$
8	$18\frac{2}{3}$	28	$65\frac{1}{3}$	48	112
9	21	29	$67\frac{2}{3}$	49	$114\frac{1}{3}$
10	$23\frac{1}{3}$	30	70	50	$116\frac{2}{3}$
11	$25\frac{2}{3}$	31	$72\frac{1}{3}$	51	119
12	28	32	$74\frac{2}{3}$	52	$121\frac{1}{3}$
13	$30\frac{1}{3}$	33	77	53	$123\frac{2}{3}$
14	$32\frac{2}{3}$	34	$79\frac{1}{3}$	54	126
15	35	35	$81\frac{2}{3}$	55	$128\frac{1}{3}$
16	$37\frac{1}{3}$	36	84	56	$130\frac{1}{3}$
17	$39\frac{2}{3}$	37	$86\frac{1}{3}$	57	133
18	42	38	$88\frac{2}{3}$	58	$135\frac{1}{3}$
19	$44\frac{1}{3}$	39	91	59	$137\frac{2}{3}$
20	$46\frac{2}{3}$	40	$93\frac{1}{3}$	60	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain. horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
° 4	0·24	° 11	1·88	° 18	5·14	° 25	10·54
5	0·38	12	2·24	19	5·76	26	11·26
6	0·55	13	2·63	20	6·42	27	12·24
7	0·76	14	3·06	21	7·11	28	13·37
8	0·98	15	3·53	22	7·85	29	14·34
9	1·24	16	4·02	23	8·64	30	15·47
10	1·55	17	4·56	24	9·47	35	22·07

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