

Metes and Bounds Survey of Tract No. 37  
T. 12 N., R. 36 E., M.D.M., Nevada

Survey commenced Nov. 8, 1950 and executed with W. and L. E. Gurley solar transit No. 38118, constructed in accordance with the standard specifications of the General Land Office.

All azimuths in the record were determined by the method of deflection angles referred to the meridian determined by the following observation:

Nov. 9, 1950, at a point N.  $64^{\circ}15'$  W., 10.53 chs. dist. from cor. No. 2 of the Betty Lee lode of M.S. No. 4769, in latitude  $38^{\circ}52\frac{1}{2}'$  N. and longitude  $117^{\circ}55'$  W., I make a series of six altitude observations upon the sun for azimuth, three each with telescope in direct and reversed positions observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 1/2 mile southward SE. to the sun.

Mean time observation, 120th meridian standard time =  
9h 13m 48s a.m.

Decl. of sun at mean time of obs. =  $16^{\circ}50'24''$  S.

Mean observed vertical angle to sun's center =  $25^{\circ}05'30''$ .

Mean horizontal angle from reference point to

sun's center =  $38^{\circ}00'00''$

True bearing of reference point =  $S.0^{\circ}01'34''$  E.

The lines were measured with a Lallie steel tape 8 chs. in length, graduated every link for the first 100 lks. and thereafter at intervals of 10 lks. The tape was tested by comparison with a 1 chain standard steel tape and found correct. Measurements were made on the slope and the vertical angles were determined by clinometers in good adjustment; the field notes show the horizontal equivalents. All lines and connections of this survey were run by direct method.

Nov. 9 near Cor. No. 1 of Tract 37, I make a meridian observation of the sun for latitude, observing the altitude of the sun's lower limb with the telescope in direct position, reversing the telescope and observing the sun's upper limb:

Mean observed altitude	$34^{\circ}16'15''$
Reduced latitude	$38^{\circ}52'39''$ N.
Mean watch time of observation	11h 36m 46s
Watch fast of local mean time	1m 00s

TRACT NO. 37

Control for the location of this tract is line 2-3 of Betty Lee lode; with line 2-3 of Jackpot Ace 1 lode, and line 3-4 of Jackpot Ace 2 lode of M.S. No. 4769, and the south right-of-way of C. Spur Route 23 leading to Basic Refractories, Inc. plant in general agreement with sketch attached to special instructions.

At the point for Cor. No. 1 of Tract 37, at intersection of the South right-of-way line of C. Spur Route 23 with line 2-3 of Betty Lee lode, Sur. No. 4769.

Set an iron post, 28 ins. long, 2 ins. diam. with concrete core with flange bottom and a 3 ins. regulation brass cap, 26 ins. in the ground, with brass cap mkd.

T. 12 N.		
R. 36 E.		
S. 27		
AP <sub>1</sub>		BL
TR 37		

1950