

# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

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Log No. 5547  
 Rec. Nov. 1 1960  
 Well No. \_\_\_\_\_  
 Permit No. 18794  
*Do not fill in*

Owner Katie Murphy Driller Desert Irrigation & Supply Co.

Address Brownfield, Texas Address Eureka, Nev. Lic. No. 321

Location of well: NE 1/4 NE 1/4 Sec. 23, T. 21 N/S, R. 53 E, in Eureka, County  
 or Diamond Valley

Water will be used for Irrigation Total depth of well 172 ft

Size of drilled hole 3 1/4 in. Weight of casing per linear foot 150 lbs per ft

Thickness of casing 2 1/2 in concrete Temp. of water 58°

Diameter and length of casing 17" inside and 22 in outside concrete  
 (Casing 12" in diameter and under give inside diameter; casing 12" in diameter give outside diameter.)

If flowing well give flow in c.f.s. or g.p.m. and pressure none

If nonflowing well give depth of standing water from surface 4 1/4 ft

If flowing well describe control works none  
 (Type and size of valve, etc.)

Date of commencement of well Sept 17, 1960 Date of completion of well Sept 18, 1960

Type of well rig Reverse circulation drilling

### LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, Etc.
0	5	5	top soil	
5	22	17	dry sand	
22	53	31	soft clay	
53	66	13	sand and gravel	
66	84	18	soft clay	
84	91	7	good water sand	
91	107	16	soft clay	
107	159	52	good sand and gravel with soft clay layers. clay layers only a few inches to 1 ft in thickness	Chief aquifer (water-bearing formation) from <u>107</u> to <u>172</u> ft.
159	172	13	good sand and gravel, clean	Other aquifers <u>none</u>

bottom of well at 172 in sand and gravel.

First water at 4 1/4 feet.

Casing perforated  
 from 132 to 140 ft.  
148 to 172

**32 ft total**  
 Size of perforations

1/8th concrete openings



