

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 1419
 Rec. 19
 Well No. 643
 Permit No. 13019
Do not fill in

Owner H. G. Helm Driller L. Helm
 Address Box 7, Las Vegas, Nevada Address Bx. 1261 Las Vegas, Nev Lic. No. 20
 Location of well: SW 1/4 NE 1/4 Sec. 2, T. 22 N/S, R. 61 E, in Clark County
 or.....
 Water will be used for Irrigation & Domestic Total depth of well 300 ft.
 Size of drilled hole 10" to 120' 8" to 300' Weight of casing per linear foot 26#
 Thickness of casing 3/16" Temp. of water 75
 Diameter and length of casing 120 ft. of 8" I.D.
(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. 50 G.P.M. / 5.85 ft. Head
 If nonflowing well give depth of standing water from surface.....
 If flowing well describe control works 2" Gate valve
(Type and size of valve, etc.)
 Date of commencement of well March 16, 1950 Date of completion of well Aug 19, 1950
 Type of well rig Cable Tools Spudder

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, Etc.
0	3	3	sand	
3	22	19	clay	
22	24	2	cement gravel (water)	Chief aquifer (water-bearing formation)
24	28	4	clay	from <u>190</u> to <u>300</u> ft.
28	30	2	cement gravel	Other aquifers <u>140 to 142</u>
30	37	7	clay	<u>160 to 162</u>
37	38	1	cement grav.	
38	54	16	clay	
54	56	2	cement grav.	
56	68	12	clay	
68	70	2	cement gravel	
70	92	22	clay	
92	94	2	cement gravel	
94	140	46	clay	
140	142	2	cement gravel (water)	First water at <u>22</u> feet.
142	160	18	clay	Casing perforated
160	162	2	cement gravel (water)	from to ft.
162	300	138	cement gravel making some water	Size of perforations

LOG OF FORMATIONS *Continued*

From feet	To feet	Thickness	Type of material

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
8"	0	120	120	Cemented from 120 ft to surface with 2 yds of cement.

GENERAL INFORMATION—Pumping Test, Quality of Water, Etc.

WELL DRILLERS STATEMENT

(Not to be filled in by Driller)

This well was drilled under my jurisdiction and the above information is true to my best information and belief.

Signed W. M. Helms
Well Driller

By.....

License No. 20

Dated Aug 27, 1950