

WELL LOG AND REPORT TO THE STATE
ENGINEER OF NEVADA



Log No. 471
 Rec. 194
 Well No. 567
 Permit No. 11719
Do not fill in

Owner W. L. Helm Driller W. L. Helm
 Address 125 No. Bruce St. Las Vegas, Nev. Address Las Vegas, Nev. Lic. No. 20
 Location of well: SW 1/4 NW 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 590 ft.
 Size of drilled hole 8" Weight of casing per linear foot 18#
 Thickness of casing 1/2" Temp. of water 82
 Diameter and length of casing 350 ft. of 6" 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 19 G.P.M. 10 # Pressure
 If nonflowing well give depth of standing water from surface.....
 If flowing well describe control works 2- 1 1/2" Gate valves
 (Type and size of valve, etc.)
 Date of commencement of well Aug. 15 1947 Date of completion of well March 6, 1948
 Type of well rig Rebuilt Armstrong.

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, Etc.
0	4	4	gyp soil	
4	8	4	white clay	
8	20	12	gyp. (surface water)	Chief aquifer (water-bearing formation)
20	60	40	brown clay	from <u>445</u> to <u>460</u> ft.
60	140	80	layers of clay with fine gravel (water raised)	Other aquifers <u>185' to 200'</u>
140	185	45	red clay	<u>200' to 319' - 380 to 388'</u>
185	200	15	layers of clay & fine gravel (water raised)	<u>560 to 565</u>
200	318	118	conglomerate (water flow)	<u>575 to 580</u>
318	326	8	lime rock	
326	350	24	blue mud (greenish clay)	
350	380	30	red clay	
380	385	5	conglomerate (water)	First water at <u>80</u> feet.
385	445	60	layers of clay & fine sand	
445	460	15	conglomerate (water)	Casing perforated
460	540	80	red sand stone	from to ft.
540	560	20	brown clay	
560	565	5	conglomerate (water)	Size of perforations
565	575	10	conglomerate	
575	580	5	conglomerate (water)	
580	590	10	red clay	

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.
6"	1	350	350	The 6" casing cemented from surface to 100 ft with one yard of cement.

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

WELL DRILLERS STATEMENT

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

Signed.....
Well Driller

By.....

License No. 20

Dated..... **march 31**, 194 **8**

(Not to be filled in by Driller)
