

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

(Statutes 1939, chapter 178, section 7. See page 2 of this form)

Log # 36143

PERMIT TO APPROPRIATE WATER, SERIAL NUMBER 11101 # 435

Permittee R. J. Kaltenborn Driller Evans Well Drilling Co.

Address 117 No. Main, Las Vegas, Nev. Address Box 1458, Las Vegas, Nev.

Location of well SW 1/4 NW 1/4 Sec. 20, T.20 S., R. 61 E. M.D.B.&M.
(Describe in legal subdivisions.)

Water will be used for Irrigation and domestic purposes Total depth of well 283 ft.

Size of drilled hole 10" Thickness of casing 3/16"

Weight of casing per linear foot 18 lbs. Quality of casing used

Diameter and length of casing 279 ft. 8" O.D. and 68 ft. 10" I.D.
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

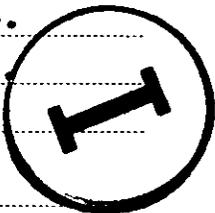
If flowing well give flow in c.f.s. and pressure 0.362 C.F.S. or 162 G.P.M. 12 1/2 lbs.

If nonflowing well give depth of standing water from surface

If flowing well describe control works 2-4" valves 1-2" Gate valves
(Type and size of valve, etc.)

Date of commencement of well Aug. 15, 1944 Date of completion of well Sept. 15, 1944

Type of well rig Armstrong-50



Screens, seals, plugs, grouts, etc.	Well diagram	Formations. State if dry or water bearing	Kind of casing, line, shoe, etc.
Gravel packed on outside of 8" casing from 105 ft. to the bottom.	<p>DIAMETER OF PIPE AND WELL IN INCHES</p> <p>8' 6' 4' 2' 0' 2' 4' 6' 8'</p>	1 - 3 soil	68 ft. 10" I.D.
Cemented from 105' to surface with 2 yds. of ready mix cement.		3 - 11 lime rock	279 Ft. 8" O.D.
		11 - 22 clay	
		22 - 24 gravel (surface water)	
		24 - 88 sandy clay	
		88 - 110 clay with lime boulders	
		110 - very small flow	
		110 - 222 clay with lime gravel and boulders	
		222 - 257 red clay mixed with gravel	
		257 - 260 red sand. Flow increased to 115 G.P.M.	
		260 - 283 Cement gravel. increase in flow.	Chief aquifer (water-bearing formation) from 258 to 283 ft.
			Other aquifers 110 ft.
			Casing perforated from 110 to 239 ft.
			Size of perforations 1/2" by 4"