WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

(Statutes 1915, p. 323; as amended, Stats. 1935, p. 389; Stats. 1937, p. 325. See page 2 of this Form.)

#51648

PERMIT TO APPROPRIATE WATER, SERIAL NUMBER 10439 Old Ranch (#180)

Permittee Las Vegas Land and Water Company Driller John Frewalt

Address Las Vegas, Nevada Address Las Vegas, Nevada

Location of well NE¼ SE¼ Sec. 27, T. 20 S., R. 61 E., M.D.B.& M.
(Describe in legal subdivisions.)

Water will be used for Domestic and stock watering Total depth of well 323 ft.

Size of drilled hole 12' to 41 ft. 8" to bottom Thickness of casing

Weight of casing per linear foot Quality of casing Standard Black Merchant Well casing.

Diameter and length of casing 41' of ~~10"~~ 8" O.D. & 270' of 6 5/8" I.D.
(Casing 12" in diameter and under give inside diameter; casing over 12" in diameter give outside diameter.)

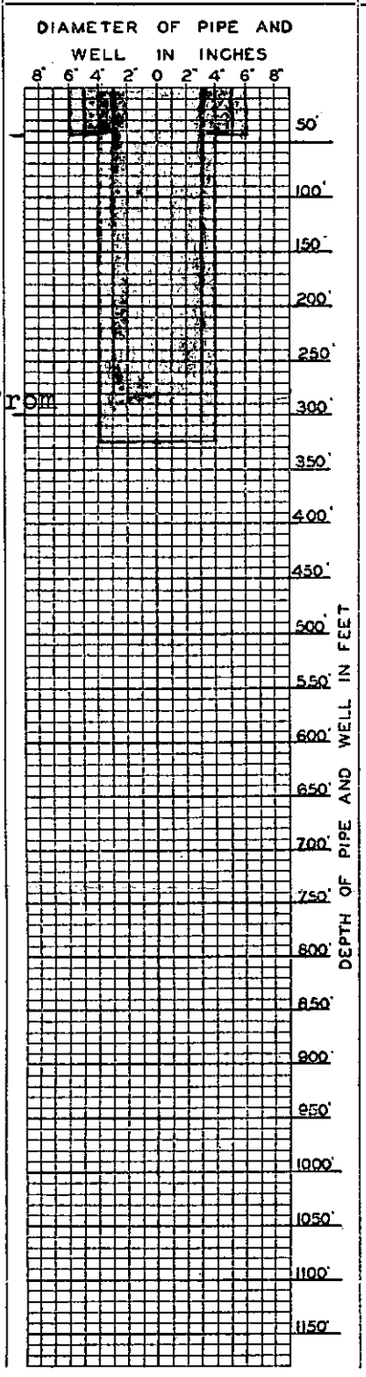
If flowing well give flow in c.f.s. and pressure 45 gal. per minute

If nonflowing well give depth of standing water from surface

If flowing well describe control works Wheel valve at top of casing
(Type and size of valve, etc.)

Date of commencement of well Aug. 28, 1939 Date of completion of well Sept. 30, 1939

Type of well rig Churn drill

Screens, seals, plugs, grouts, etc.	Well diagram	Formations. State if dry or water bearing	Kind of casing, liner, shoe, etc.
41 ft. 10" casing cemented in 270 ft. 7" casing open hole from 270 ft. to 323'		0' to 12' surface formation 12' to 15' lime strata carries water 15' to 75' clay, sand and lime mixed 75' to 147 chalk lime 147 to 150 hard lime reef water showing below it 150 to 155 lime, clay and sand 155 to 158 Lime reef water showing 158 to 162 lime reef water showing below 162 162 to 174 lime reef water showing 174 to 183 lime reef water showing 183 to 207 lime reef water showing 207 to 214 lime reef water showing 214 to 264 mixed sandstone, gravel and clay 264 to 273 lime reef water showing 273 to 293 one break in sandstone and water showing 293 to 323 sandstone and water showing	Standard black Merchant Well casing

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