

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 6550
 Rec. May 29 1961
 Well No. _____
 Permit No. 18621
 Do not fill in Section 10



Owner EUNICE M. MACHACEK Driller Grosch Irrigation Co.
 Address P.O. Box 241 Eureka, Nevada Address P.O. Box 110, Eureka, Nev. Lic. No. 6479

Location of well: SE 1/4 NE 1/4 Sec. 36., T21 N/S, R. 53E, in EUREKA County
 or (Diamond Valley) N39.643672 W115.945139 N4027

Water will be used for Irrigation Total depth of well 300 Feet

Size of drilled hole 166'--16"; 134'--6" Weight of casing per linear foot 33#

Thickness of casing 7 Ga.,--3/16th in. Temp. of water 57°

Diameter and length of casing 16" OD,--166' in length.
(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 Non-flowing

If nonflowing well give depth of standing water from surface 64--feet

If flowing well describe control works Non-flowing well
(Type and size of valve, etc.)

Date of commencement of well March 12, 1962 Date of completion of well April 15, 1962

Type of well rig Churn drill with 16inch skowing tools.

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0'	4'	4'	Soil depth
4'	36'	32'	Coarse sand & fine gravel
36'	69'	33'	Brown clay
69'	92'	23'	Med. to coarse grv. & sand
92'	160'	68'	Partly cemented grv. & clay
160'	192'	32'	clay with occasional thin sand streaks
192'	255'	63'	solid tan clay
255'	300'	45'	Mostly solid clay with very thin occasional sand streaks

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
 from 69 to 92 ft.
 Other aquifers 160 to 192, 255--300?

First water at 64.4' feet.

Casing perforated
 from 100 to 166 ft.

Size of perforations
1/8th inch torch slots



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.
2 1/2"	2 1/2'	150'	147'	Well was first cased from 150' depth but was not too productive of water, showing a flow of about 100 g.p.m. Well was then drilled on down to 300 feet depth with a air-foot bore in a search for more productive water horizons, and was bottomed at 300-foot depth. When good water-bearing strata were not encountered, the bore continuing from 215' down to 300' was not cased but was packed with gravel chips.

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

First test—running from the original 1 1/2" foot depth was disappointing, showing a flow of about 100 g.p.m. After final completion to 300' depth better results were obtained and main installation and irrigation service received. Well running, after 24 hours. Water tested of pumping has developed the well to an approximate flow of about 150 g.p.m., where it appears to show flow at present.

WELL DRILLER'S STATEMENT

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

Signed JACKSON & ALLEN CO.
Well Driller

By [Signature]
License No. 1000

Dated May 29, 1932

(Not to be filled in by Driller)

STATE ENGINEER
OFFICE
1932 MAY 29 AM 9 53