

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 7465
 Rec. Nov. 6 1963
 Well No. _____
 Permit No. 19920
 Do not fill in.

Owner BRUCE A. PETERS Driller Grosch Irrig. Co., Inc.
 Address LAKEPORT, CALIF. Address Silver Creek, Neb. Lic. No. 6479
 Location of well: 1/4 NW 1/4 Sec 29, T. 19 N/S, R. 53 E, in EUREKA County
 or Approx. 4 1/2 miles West of Eureka on U.S. 50, 1/2-mile north, Diamond Valley
 Water will be used for Irrigation & stock Total depth of well 302'
 Size of drilled hole 16" to 196'; 12" to 300' Weight of casing per linear foot 26#
 Thickness of casing 16" OD x 9/64" to 196'
12" x 1/4" from 196' to 300' Temp. of water 54 degrees F.
 Diameter and length of casing 16" x 9/64" to 196'; 12" x 1/4" OD, -190' to 300'
(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 102'
 If flowing well describe control works Non-flowing
(Type and size of valve, etc.)
 Date of commencement of well Aug. 26, 1961 Date of completion of well March 12, 1963
 Type of well rig Reverse-circulation rotary and cable scow rig.

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material	Water-bearing Formation, Casing Perforations, etc.
0	5	5'	Soil depth	
5	14	9'	Large, loose grv.	Chief aquifer (water-bearing formation)
14	22	8'	Semi-cemented sandstone layer	from <u>132</u> to <u>142</u> ft.
22	42	20'	Grey, tough clay	Other aquifers <u>102--112'</u> ;
42	67	25'	Vari-colored shades of clays	<u>156--167'</u> .
67	72	5'	Fine gravel	
72	112	40'	Medium to fine gravel	
112	116	4'	Gravel-clay mixed	
116	122	6'	Loose, coarse gravel	
122	132	10'	Clay & gravel mixed	
132	142	10'	Medium to fine gravel	
142	156	14'	Clay & gravel Mixed	
156	167	11'	Fine gravel	
167	182	15'	Tight, cemented grv.	First water at <u>102'</u> feet.
182	246	64'	Tight grv. with clay streaks	
246	302	56'	Gravel & clay, -- Tight	Casing perforated from <u>80'</u> to <u>300'</u> ft.
				Size of perforations <u>1/8th inch louvre type</u> to <u>196'</u> , thence <u>1/8th"</u> <u>x 5"</u> to bottom of well. (All factory perforation)

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.
16" ID	0'	196'	196'	Eaton-Omaha water well casing in 20' lengths, --copper bearing and asphalt dipped.
12" OD	190'	302'	112'	Standard grade steel pipe of 1/4-inch wall thickness in 6' lengths/ Both casings joint welded completely around.

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

Well was drilled to 196' foot depth with reverse-circulation rotary, --drilled hole of 30-inch diameter/ Eaton-Omaha casing installed, and well was gravel packed with 1/2-inch clean rock chips. Well was test pumped with 8-inch turbine pump at 136' setting and after three hours of cleaning & surging was measured at 575 gals. per. minute. Well was then deepened to 302' with scowling method and was again test pumped with 10-inch turbine at 167' pump setting. Results were again disappointing on gallonage and after 2 1/2 hours of cleaning measured gallonage showed 740 G.P.M.

WELL DRILLER'S STATEMENT

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

Signed GNOSCH IRRIGATION CO., INC.
Well Driller

By E. C. Leutzinger Resident Agent
License No. 6479

Dated April 8, 1963

(Not to be filled in by Driller)

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STATE ENGINEER