

19259

WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 6116
Rec. Aug 30 1961
Well No. 20694
Permit No. 19859
Do not fill in Basin #153

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Owner ELAINE B. JOHNSON Driller GROSCH IRRIGATION CO.
Address 1244 Honey-Trail Walnut Creek, Cal. Address Silver Creek, Nebraska Lic. No. 6479
Location of well: SE 1/4 NE 1/4 Sec. 21, T. 20N/S, R. 53E, in EUREKA County
or South end of Diamond Valley 1.75 miles north of intersection of highways 20 & 50.
Water will be used for IRRIGATION WATER Total depth of well 213-feet
Size of drilled hole 27-inches Weight of casing per linear foot 28 Lbs.
Thickness of casing 16 1/4 inches Temp. of water 55° F.
Diameter and length of casing 16-inch casing, 195 long.
(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 99-feet
If flowing well describe control works None
(Type and size of valve, etc.)
Date of commencement of well August 15, 1961 Date of completion of well Aug. 24, 1961
Type of well rig Reverse-circulation rotary

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	5	5'	Soil depth
5	15	10'	Medium to fine gravel
15	30	15'	Soft clay
30	32	2'	Hard gray clay
32	57	25'	Light colored clay
57	62	5'	Partly cemented gravel
62	92	30'	Cemented gravel
92	102	10'	Large wash gravel (loose)
102	112	10'	Clean large water gravel
112	158	46'	Coarse gravel & sand
158	162	4'	Brown clay
162	182	20'	Partly cemented gravel
182	187	5'	fine grained semi-sandstone
187	200	13'	Clay & gravel mixed
200	213	13'	Tight cemented gravel

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 99 to 158 ft.

Other aquifers 162--195?

First water at 99 feet.

Casing perforated

from 105 to 195 ft.

Size of perforations

1/8" wide, -- 7/8" inch
Factory perfor- long.
ation, -- approx. 24%
opening



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"	105	195	90'	All area of 90' perforation length gravel-packed with 5" gravel envelope of 3/8" limestone rock chips. Coarse gravel packing used thereon to the surface.

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

Well tested with 8-inch turbine pump at 136-foot setting. Water production 1330 gpm with 22-foot drawdown.

Good limestone water entirely suitable for domestic and irrigation use.

WELL DRILLER'S STATEMENT

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

Signed GROSCH IRRIGATION CO.
Well Driller

By [Signature]

License No. 6479

Dated August 23, 19 61

(Not to be filled in by Driller)

Deepened by log # 23795
Then deepened again by well log # 113938

39.584245° N MAG 27

115.996549° W

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STATE ENGINEER