WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 5582
Rec. Nov. 16 19 60
Well No. 31109
Permit No. 18792
Do not fill in

Owner MELVIN S. (Spencer) Murphy Driller Desert Irrigation & Supply Co.

Address Brownfield, Texas Address Eureka, Nev. Lic. No. 321

Location of well: NE ¼ SE ¼ Sec. 14, T. 21 N/S, R 53 E, in Eureka County

or Diamond Valley

Water will be used for Irrigation Total depth of well 182 ft.

Size of drilled hole 27 inch Weight of casing per linear foot 42 lbs

Thickness of casing ¼ inch steel Temp. of water 58°

Diameter and length of casing 16 inch in dia. 182 ft 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 none

If nonflowing well give depth of standing water from surface 42 ft.

If flowing well describe control works none
(Type and size of valve, etc.)

Date of commencement of well Nov 8, 1960 Date of completion of well Nov. 9, 1960

Type of well rig Reverse Circulation Drilling

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	4	4	top soil and overburden
4	18	14	dry sand and gravel
18	26	8	soft clay
26	44	18	sand and gravel
44	56	12	soft clay
56	104	48	black sand and gravel
104	122	18	soft grey clay
122	136	14	fine sand
136	140	4	soft clay
140	148	8	sand and gravel
148	152	4	clay
152	156	4	gravel
156	159	3	clay
159	170	11	gravel and course sand
170	176	6	clay
176	182	6	sand and gravel
182	stopped	drilling	clay

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
from 140 to 182 ft.

Other aquifers
layers of sand & gravels

First water at 42 feet.

Casing perforated
from 140 to 182 ft.

Size of perforations
3/16 gravel guard openings

(OVER)

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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.
				Gravel packed from top to bottom with select and graded gravel

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

Standing water level 42 ft.

from 67 ft 510 gpm
from 84 ft 910 gpm
from 100 ft 1188 gpm
from 116 ft 1480 gpm

yield on ½ water 1450 gpm.

Pumped well at 1810 but was unable to obtain drawdown reading because of unstable pumping level.

Water is sand free and of excellent quality

WELL DRILLER'S STATEMENT

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

Signed Kenneth E. Griffith
Well Driller
Kenneth E. Griffith

By

License No. 321
Contractors No. 6180

Dated Nov. 14, 1960, 19

(Not to be filled in by Driller)

1960 NOV 16 AM 9 05