WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 7932
Rec. June 22 1964
Well No.
Permit No. 21754
Do not fill in

1-5-3
21754
Hilda

Owner ~~TED~~ Howard FRERIS Driller W. L. Mcdonald

Address Address P.O. Box 30; Gerlach, Nev Lic. No. 363

Location of well: SE ¼ NE ¼ Sec. 12, T 35 N/S, R 23 E, in Washoe, County

or

Water will be used for irrigation Total depth of well 377'

Size of drilled hole 16" Weight of casing per linear foot 42.6 lbs. per ft.

Thickness of casing .250 wall Temp. of water normal

Diameter and length of casing 16" O.D. random lengths to 20'
(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

If nonflowing well give depth of standing water from surface 59'

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

Date of commencement of well 3-17-64 Date of completion of well 4-3-64

Type of well rig Bucyrus Erie 24-L Cable tool

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	2	2	Topsoil
2	3	1	Brown silt and some sand
3	18	15	Brown sandy clay
18	40	22	Yellow sandy clay
40	45	5	Sharp gravels to ½" with sand & yellow clay
45	67	22	Yellow sandy clay-very soft
67	90	23	Brown sandy clay- soft
90	94	4	Sand & washed gravels to 3/8"
94	107	13	Yellow sandy clay- soft
107	110	3	Sand & washed gr vels to ¼"
110	132	22	Yellow sandy clay- soft
132	140	8	Coarse sand & gravels to ¼"
140	161	21	Yellow sandy clay- soft
161	167	6	Coarse sand & fine gravels to 1/8"
167	177	10	Yellow sandy clay- soft
177	191	14	Sand, silt, & gravels to ¼"
191	197	6	Yellow sticky clay
197	202	5	Sand & gravels to ½"
202	210	8	Yellow clay- soft
210	215	5	Coarse sand & fine gravels to 1/8"
215	220	5	Yellow soft clay
220	228	8	Sand & gravels to ½"
228	231	3	Yellow clay soft
231	238	7	Sand & gravels to 3/8" with some yellow clay mixed

(OVER)

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)

from 107 to 202 ft.

Other aquifers 210- 215
220- 228
~~282- 292~~
347- 375

First water at 65' feet.

Casing perforated

from 65 to 200 ft.

8 cuts per round/
1 round every 18"

Size of perforations

200- 375
8 cuts per round/
1 round every 12"

3/16" x 2"

919

LOG OF FORMATIONS—*Continued*

From feet	To feet	Thickness	Type of material
238	247	9	Yellow sandy clay - soft
247	249	2	Sand & sharp gravels to 3/4"
249	255	6	Yellow sticky clay
255	282	27	Yellow sandy clay (with gravels -260-270)
282	292	10	Sand & gravels to 2"
292	318	26	Yellow sticky clay- hard
318	339	21	Sand, silt, and gravels to 1"
339	347	8	Yellow sticky clay- hard
347	375	28	Sand & gravels to 2" with inconsistant yellow clay streaks 3" - 10" thick
375	377	2	Yellow clay with some gravels to 3/4"

Clay zones from 67'- 177"' have inconsistant streaks of coarse sand which probably contain water. These streaks are from 4"- 14" thick & very inconsistant.

CASING RECORD

Diam. casing	From feet	To feet	Length	"Remarks"—Seals, Grouting, Etc.
16"	0'	377'	377'	

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

Pumping test revealed that the well will produce 3,000 GPM from the 120' level. After 12 hours of continous pumping, and surging, the well was considered sufficiently developed and the water to be of satisfactory 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 [signature]
Well Driller

By.....

License No. 363

Dated June 18, 1964

(Not to be filled in by Driller)