# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 3358
Rec. March 12, 1956
Well No.
Permit No. 17266, 53194
*Do not fill in*

Owner: Gambhe Ranches Inc. Driller: Wm. F. Osborne
Address: Montello, Nevada Address: Burley Idaho Lic. No. 238
Location of well: ~~SE~~ NW 1/4 ~~NE~~ SE 1/4 Sec. ~~26~~ 23, T. 40 N/~~S~~, R. 69 E, in Elko County
or

Water will be used for: Irrigation Total depth of well: 274'
Size of drilled hole: 120' of 16" - 154' of 14" Weight of casing per linear foot: 120' of 16" at 42#, 60' of 14" at 36#
Thickness of casing: 1/4" wall Temp. of water: 58°
Diameter and length of casing: 120' of 16" - 60' of 14"
(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: 9 ft.
If flowing well describe control works
(Type and size of valve, etc.)
Date of commencement of well: Nov. 4, 1955 Date of completion of well: Nov. 29, 1955
Type of well rig: Cable tool

## LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material |
|---|---|---|---|
| ~~0 ft~~ | | | |
| 0 | 11 | 11 | Dirt |
| 11 | 15 | 4 | Gravel |
| 15 | 17 | 2 | Gray sand - coarse |
| 17 | 35 | 18 | Gray sand - fine |
| 35 | 39 | 2 | Black gravel |
| 39 | 103 | 64 | Gray sandstone |
| 103 | 107 | 4 | Black mud |
| 107 | 109 | 2 | Gray clay |
| 109 | 115 | 6 | Cemented gravel |
| 115 | 119 | 4 | Gray clay |
| 119 | 137 | 18 | Cemented gravel |
| 137 | 141 | 4 | Brown sand - coarse |
| 141 | 157 | 16 | Very coarse gravel |

(over)

**Water-bearing Formation, Casing Perforations, Etc.**

Chief aquifer (water-bearing formation)
from 137 to 157 ft.
Other aquifers
119 to 137
11 to 39
(water from 11-39 aquifer cased out)
First water at 11 feet.

Casing perforated
from 126 to 172 ft.

Size of perforations
1/4" x 3"

919

## LOG OF FORMATIONS—*Continued*

| From feet | To feet | Thickness | Type of material |
|---|---|---|---|
| 157 | 170 | 13 | Boulders and coarse gravel |
| 170 | 222 | 52 | Tan sandstone |
| 222 | 274 | 52 | Yellow clay |

## CASING RECORD

| Diam. casing | From feet | To feet | Length | "Remarks"—Seals, Grouting, Etc. |
|---|---|---|---|---|
| 16" | 0 - | 120 | 120' | - Completly sealed with mud - No perforations |
| 14" | 115 | 175 | 60' | - Swaged to 16" at 115' - Heavy shoe on bottom landed in sandstone |
| 2" | | | | |

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

✓ Pumped 2250 gpm with a 20 foot lift on a 3 hour pumping test - Apparently would pump more with a larger pump.
✓ Surface water is cased out of well
- Water is relatively free of salts

## WELL DRILLER'S STATEMENT

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

Signed W M Osborne
Well Driller

By W M Osborne

License No. 238

Dated Feb. 2, 1956

OFFICE
STATE ENGINEER

(Not to be filled in by Driller)

Pivot #4 Well

1956 MAR 12 AM 8 13