# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

PLEASE COMPLETE THIS FORM IN ITS ENTIRETY

Log No. 8529
Rec. June 10 1965
Well No.
Permit No. 22610
Do not fill in

22610

~~Leprechaun Mining Co~~

Owner Foote Mineral Company Driller Ed Burge

Address Silver Peak, Nevada Address 2445 L.V. Blvd. No. Lic. No.

Location of well: NE¼ NE¼ Sec. 11, T. 3 S, R. 39E, in Esmeralda County

or 1,000 ft. SW of NE corner section 11.

Water will be used for mining and milling Total depth of well 1820'

Size of drilled hole 555' 12", to 947', 10" to 1820', 8" Weight of casing per linear foot 33.38 # per ft.

Thickness of casing .250 wall Temp. of water 65 degrees

Diameter and length of casing 12 3/4" csg. 200 ft. No perforations
(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 4 ft.

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

Date of commencement of well March 11, 1965 Date of completion of well May 28, 1965

Type of well rig Bucyrus Erie 36L Cable tool

LOG OF FORMATIONS

| From feet | To feet | Thickness feet | Type of material |
|---|---|---|---|
| 0 | 8 | 8 | Sandy silt, with clay |
| 8 | 25 | 17 | silty sand |
| 25 | 30 | 5 | gravel |
| 30 | 35 | 5 | clay |
| 35 | 60 | 25 | gravel and sand |
| 60 | 68 | 8 | clay |
| 68 | 75 | 7 | sandstone |
| 75 | 90 | 15 | gravel |
| 90 | 105 | 15 | tuffaceous sandstone |
| 105 | 130 | 25 | clay, brown |
| 130 | 135 | 5 | clay with fine sand & silt |
| 135 | 145 | 10 | gravel, sand & silt |
| 145 | 150 | 5 | silt |
| 150 | 160 | 10 | sandstone |
| 160 | 175 | 15 | gravel |
| 175 | 190 | 15 | clay |
| 190 | 203 | 13 | sandstone |
| 203 | 210 | 7 | clay |
| 210 | 220 | 10 | sand & gravel |
| 220 | 227 | 7 | sand |
| 227 | 230 | 3 | silt |
| 230 | 250 | 20 | sand |
| 250 | 262 | 12 | conglomerate & sandstone |
| 262 | 270 | 8 | sandstone |
| 270 | 275 | 5 | silty sand |
| 275 | 285 | 10 | clay |

Water-bearing Formation, Casing Perforations, Etc.
210' No perforations

Chief aquifer (water-bearing formation)

from 210 to 220 ft.

Other aquifers 415 to 420'
505 to 510'
590 to 600, 655 to 660'
770 to 775', 895 to 903'
1095 to 1105', 1495 to 1505', 1645 to 1650'

First water at 8' feet.

Casing perforated

from none to ft.

Size of perforations

None

LOG OF FORMATIONS—*Continued*

| From feet | To feet | Thickness | Type of material |
|---|---|---|---|
| 285 | 391 | 106 | Interbedded gravel, sand & clay |
| 391 | 395 | 4 | Clay |
| 395 | 415 | 20 | Fine sand |
| 415 | 420 | 5 | Coarse sand |
| 420 | 430 | 10 | Silty sand with clay |
| 430 | 450 | 20 | Sand Medium to coarse |
| 450 | 455 | 5 | Sand Fine |
| 455 | 470 | 15 | Silty fine sand |
| 470 | 490 | 20 | clay |
| 490 | 505 | 15 | Clay with fine sand |
| 505 | 510 | 5 | Sand gravel |
| 510 | 515 | 5 | silty sand |
| 515 | 560 | 35 | clay, tan to olive gray |
| 560 | 575 | 15 | sand & gravel |

Continued on attached sheet

CASING RECORD

| Diam. casing | From feet | To feet | Length | "Remarks"—Seals, Grouting, Etc. |
|---|---|---|---|---|
| 12 3/4 | 0 | 200 | 200' | Non-perforated csg. hung from surface, no grouting or seals. Csg. set on 2,10' 12x12s. |

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

~~No pumping Bail test only. Water brackish.~~ No fresh water, water analysis held by Foote Mineral Co.

WELL DRILLER'S STATEMENT

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

Signed Ed Kunzel
Well Driller

By 6-7-65

License No. 450

Dated ....., 19.....

(Not to be filled in by Driller)

Log # 8529

# Ace Well Drilling Service

LAS VEGAS, NEVADA

C. W. STOCKMAN
816 Fairway Drive
878 9250

J. B. WASHBURN
214 Tonopah Hiway
870-3143

Log of Formations, continued

| From Feet | To Feet | Thickness Feet | Type of Material |
|---|---|---|---|
| 575 - | 578 | 3 | Clay |
| 578 - | 600 | 22 | Sand gravel |
| 600 - | 610 | 10 | Clay |
| 610 - | 620 | 10 | Silt to gravel |
| 620 - | 630 | 10 | Fine silty sand |
| 630 - | 635 | 5 | Clay |
| 635 - | 640 | 5 | Sandy silt |
| 640 - | 655 | 15 | Clay |
| 655 - | 660 | 5 | Coarse sand |
| 660 - | 665 | 5 | Clay |
| 665 - | 675 | 10 | Silty sand |
| 675 - | 680 | 5 | Coarse sand & gravel |
| 680 - | 685 | 5 | Silty sand |
| 685 - | 705 | 20 | Clay |
| 705 - | 720 | 15 | Silt to sand to gravel |
| 720 - | 735 | 15 | Clay |
| [illegible] - | 750 | 15 | Silt to sand to gravel |
| [illegible] - | 755 | 5 | Clay |
| [illegible] - | 775 | 20 | Sandy silt to sand to gravel |
| 775 - | 815 | 40 | Clay- Pale brown to blue gray |
| 815 - | 822 | 7 | Sand and gravel |
| 822 - | 830 | 8 | Compacted brown silt |
| 830 - | 845 | 15 | Sand to gravel to sandy silt |
| 845 - | 860 | 15 | Brown silt |
| 860 - | 865 | 5 | Volcanic gravel |
| 865 - | 875 | 10 | Compacted silt with gravel |
| 875 - | 895 | 20 | Silty sand with gravel (obsidian) |
| 895 - | 903 | 8 | Coarse gravel |
| 903 - | 930 | 27 | Sandy silt |
| 930 - | 950 | 20 | Reddish brown sandy silt |
| 950 - | 955 | 5 | Clay |
| 955 - | 970 | 15 | Silty sand with gravel |
| 970 - | 975 | 5 | Dark fine sand |
| 975 - | 1000 | 25 | Silty sand with gravel |
| 1000 - | 1010 | 10 | Silty clay |
| 1010- | 1030 | 20 | Compacted silt |
| 1030- | 1035 | 5 | Fine sand |
| 1035 - | 1065 | 30 | Sand, silt and gravel |
| 1065 - | 1075 | 10 | Brown silt with gravel |
| 1075 - | 1095 | 20 | Silt (olive grey) |
| 1095 - | 1105 | 10 | Sand & gravel |
| [illegible] - | 1120 | 15 | Silt (blue grey) |
| [illegible] - | 1125 | 5 | Sand & gravel |
| [illegible] - | 1135 | 10 | Silt, sand & gravel |
| 1135 - | 1165 | 30 | Compacted silt, light brown |
| 1165 - | 1170 | 5 | Gravel |
| 1170 | 1182 | 7 | Silt, light brown |

Continued

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816 Fairway Drive
878 9250

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214 Tonopah Hiway
870-3143

| From Feet | To Feet | Thickness Feet | Type of Material |
|---|---|---|---|
| 1182 - | 1185 | 3 | Gravel |
| 1185 - | 1235 | 50 | Sandy silt, light brown |
| 1235 - | 1245 | 10 | Sand gravel |
| 1245 - | 1255 | 10 | Silty clay |
| 1255 - | 1280 | 25 | Gravel & brown silt |
| 1280 - | 1300 | 20 | Sandy silt |
| 1300 - | 1450 | 150 | Interbedded silt, sand, & gravel |
| 1450 - | 1460 | 10 | Compacted silt |
| 1460 - | 1480 | 20 | Sandy silt , brownish grey |
| 1480 - | 1485 | 5 | Sandy silt, olive grey |
| 1485 - | 1505 | 20 | Sand & gravel |
| 1505 - | 1515 | 10 | Sandy silt olive grey |
| 1515 - | 1520 | 5 | Coarse sand |
| 1520 - | 1575 | 55 | Sandy silt olive grey |
| 1575 - | 1590 | 15 | Coarse sand and gravel |
| [illegible]0 - | 1645 | 55 | Sandy silt olive grey |
| [illegible]5 - | 1650 | 5 | Coarse sand & gravel |
| 1650 - | 1660 | 10 | Sandy silt, pale brown |
| 1660 - | 1680 | 20 | Coarse sand & gravel |
| 1680 - | 1700 | 20 | Sandy silt, pale brown |
| 1700 - | 1820 | 120 | Sandy silt,& siltstone, olive grey |