# WELL LOG AND REPORT TO THE STATE ENGINEER OF NEVADA

Log No. 9513
Rec. ..... 19
Well No. .....
Permit No. .....
Do not fill in.

**PLEASE COMPLETE THIS FORM IN ITS ENTIRETY**

Owner NEVADA HIGHWAY DEPARTMENT — Driller W. Vetter
Address CARSON CITY, NEVADA — Address Box 347 Winnemucca, Nevada — Lic. No. 504

Location of well: SW ¼ NW ¼ Sec. 20, T 22 ~~N~~/S, R 58 E, in CLARK County

Permit No. .....

Water will be used for DOMESTIC — Total depth of well 221 feet.

Size of drilled hole 12" — Weight of casing per linear foot 17 lbs.

Thickness of casing 1/4 " — Temp. of water 59°

Diameter and length of casing 8" - 221 feet
(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 11 FT

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

Date of commencement of well 4-10-67 — Date of completion of well 5-26-67

Type of well rig ROTARY

**LOG OF FORMATIONS**

| From feet | To feet | Thickness feet | Type of material |
|---|---|---|---|
| 0 | 6 | 6 | Sand & Gravel |
| 6 | 221 | 215 | Limestone with clay seams |

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

Chief aquifer (water-bearing formation)
from 6 to 221 ft.

Other aquifers .....

First water at 8 feet.

Casing perforated
from 60 to 221 ft.

Size of perforations
1/4 "

## 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. |
|---|---|---|---|---|
| 8" | 0 | 221 | 221 | CEMENT GROUT FROM 0 - 50' |

## GENERAL INFORMATION—Pumping Test, or Bailing Test, Quality of Water, etc.

40 hr. Test 15 GPM 71 Water Level

## WELL DRILLER'S STATEMENT

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

Signed Walter D. Weller
Well Driller

License No. 504

Dated 5-26-, 19 67

**(Not to be filled in by Driller)**

NEVADA STATE DEPARTMENT OF HEALTH
FOOD AND DRUG LABORATORY

755 Ryland Street, Reno
215 E. Bonanza, Las Vegas

COUNTY Clark
T. 22 R. 58 Sec. 20 No. 953
Area Mt. Springs

# WATER ANALYSIS REPORT

Laboratory Number 699
Submitted by Nevada Highway Department
Source Mt. Springs Well
Temperature 59°
Reason for analysis Chemical
Location:
City or county Mt. Springs Clark County
Street or other
Use Domestic
Owner
Submit report to: Nevada Highway Dept.
Street P. O. Box 930
City Reno, Nevada
Special requests Attn: Frank Quilici, Superintendent

Date sample taken 5/26/67
Date sample received
If well: Permit
Depth 221
Cased 8" - 221
Diam. 8"
Construction method Rotary
How many served 2

## RESULT OF TESTING

| | | |
|---|---|---|
| Color | 0 | |
| Turbidity | 0 | |
| Sediment | 0 | |
| pH value | 7.72 | |
| Total dissolved solids | 382.0 | ppm |
| Alkalinity | 184.0 | ppm |
| Bicarbonate | 224.0 | ppm |
| Carbonate | 0 | ppm |
| Total iron | 0.22 | ppm |
| Total hardness ($CaCo_3$) | 360.0 | ppm |
| Calcium | 73.6 | ppm |
| Magnesium | 42.80 | ppm |
| Sulfate | 62.4 | ppm |
| Chloride | 13.0 | ppm |
| Nitrate | 0.25 | ppm |
| Sodium and Potassium | 10.64 | ppm |
| | | ppm |
| | | ppm |
| | | ppm |

Chemist Cornelius J. Pelaccio

1. [X] Analysis of this sample indicates its chemical quality is within limits recommended by the State Health Department Water Supply Regulations.
2. [ ] Analysis of this sample indicates the following exceed the amounts recommended by the State Health Department Water Supply Regulations:

Comments:

CC: State Engineer, Div. Water Resources; Jack Cooney; Joe Moore; J. Parvin; Glen Stevens

**NOTE—You are advised to submit a sample for bacterial testing if you have not already done so.**

4209