

**WELL LOG AND REPORT TO THE STATE
ENGINEER OF NEVADA**
Stagecoach Inn Motel

Log No. 2462
 Rec. Jan 14 1954
 Well No. _____
 Permit No. _____
 Do not fill in

Owner James Hannon Driller J. C. Faretto & Son
 Address Box 611, Rt. 4, Reno, Nev. Address 136 Humboldt St, Reno Lic. No. _____
 Location of well: N.W. 1/4, E. 1/4 Sec. 18, T. 17N/8, R. 19E, in Truckee Meadows, Washoe County
 or About 1/2 miles west on the Reno-Verdi Highway.
 Water will be used for _____ Total depth of well 90ft.
 Size of drilled hole 6 inch Weight of casing per linear foot 18.97 lbs.
 Thickness of casing ~ 80 of an inch Temp. of water 56°
 Diameter and length of casing ~ 1" inside diameter, 9'-11" to 11'-09" lengths
 (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 ~ 1'-08"
 If flowing well describe control works _____
 (Type and size of valve, etc.) _____
 Date of commencement of well Dec. 1, 1953 Date of completion of well Dec. 29, 1953
 Type of well rig water tool rig

LOG OF FORMATIONS

From feet	To feet	Thickness feet	Type of material
0	7	7	Yellow clay.
7	24	17	Medium to coarse black sand with soil. Rocky.
24	26	2	Yellow clay.
26	35	9	Yellow clay with medium coarse black sand. Stony & rocky. (Wa - seeping).
35	40	5	Bl clay with medium coarse black sand & gravel. Soft.
40	45	5	1st. water. water level 11'-04". Little water. Blue clay with medium to coarse black sand & gravel. Soft.
45	47	2	Blue clay & chalk. Hard.
47	53	6	Brown-black silty soil. Soft. (Yields water).
53	55	2	Brown clay & chalk. Hard.

Water-bearing Formation, Casing Perforations, Etc.

Chief aquifer (water-bearing formation)
 from 86 to 90 ft.

Other aquifers 75 to 85
65 to 70
40 to 45

First water at 40 feet.

Casing perforated
 from _____ to _____ ft.

Size of perforations _____



REPORT
STAGECOACH INN WELL

As we understand the well drilled for the Stagecoach Inn, prior to the time we drilled the present well for the owner, the chemical analysis of Total Solids was 1900 ppm. As far as we know the well at present can't be used and has been abandoned. We were asked by the owner to locate and drill a new well with the understanding to lower the Total Solids in parts per million and also the sulphates.

We have taken three analysis of the water from the well we drilled which you will find here enclosed in an improvised Log of Chemical Analysis of water. In this log we have tried to show where the casing has been driven and depth in feet where each analysis of water came from.

The Nevada State Department of Health advised us this well could be passed with a depth of 65 ft. providing the owner would use a chlorinator after his pump and to forget about bacteria. But the owner insisting on from 15 to 20 gallons per minute left us with but one alternative that was to drill deeper with a sacrifice in the increase of minerals. Also the owner was very much against the idea of using a chlorinator after his pump. This part was accomplished in so far as his well is safe at time of sampling.

In stating Mr. Wayne B. Adams, Commissioner of Department of Food & Drugs in brief. The first analysis: If you are able to eliminate this suspended organic matter and the water is free from contamination you would have a water which would be ideal for general domestic purposes.

The third analysis: As depth increases the Total Solids, or mineral matter in solution increases.

This latest analysis shows the water to be fairly highly mineralized. It is still under the generally accepted tolerance for a potable drinking water of 1000 parts per million. It should be

satisfactory for laundry, cooking, irrigation and general domestic purposes. To persons accustomed to a lightly mineralized water, such as the Reno local supply, this larger amount of solids might become noticeable, in which case bottled spring water from Reno is readily available.

We believe that Mr. James Hannon would have been wise to accept the advise of the Nevada State Department of Health. We would have gotten him about 8 or 10 gals. per minute and are quite sure the organic matter would have cleared up through pumping.

The first well with the 1900 ppm was not drilled by us. We were informed it was an eight inch well about 160 or 165 ft. in depth.

J.C. FARETTO & SON

Harold J. Faretto

BY Harold J. Faretto.

LOG
 CHEMICAL ANALYSIS OF WATER
 STAGECOACH INN WELL

Casing to feet	Open hole from feet	Open hole to feet	Chemical Analysis	parts per Million
22'-06"	22'-06"	45'-00"	Total Solids	597
			Carbonates	0
			Bicarbonates	268
			Sulphates	10
			Chlorides	13
			Volatile Solids	302
55'-01"	55'-01"	65'-00"	In this water sample only the Total Solids was taken with some iron found.	
			Water Analysis Total Solids..... 640ppm	
75'-07"	75'-01"	90'-00"	Total Solids	735
			Silica	68
			Iron & Aluminum	Trace
			Calcium	112
			Magnesium	37
			Sodium & Potassium	59
			Carbonates	0
			Bicarbonates	281
			Sulphates	292
			Chlorides	18
			Alkalinity	230
			Hardness	432