

Basin 128

NOI 51740

Churchill Co

Well Log # 91754



Lahontan GeoScience, Inc.

Well Abandonment Log

Project: Water Well Closures in Dixie Valley

Project No.: NASF: 03140

Sheet 1 of 1

Contract No: 49162

Boring No.: 017J

Location (TRS): T. 21N, R. 35E, Sec. 8, NW¼, SW¼

Location (Lat/Lon): 39° 42.114' N, 118° 4.7148' W

Elevation: 3388 ft

Permit No.: none

Well Log: none

Measured Depth: 111 ft

Perf. Date: -

Borehole Dia.: unknown

Casing Size: 3", steel

Measured Casing Size: 3", steel

Plug Date: 11/06/03

Borehole Depth: unknown

Casing Depth: unknown

Static Water Level: Flowing

Supervised by: J. R. Humphrey

Perforations at time of construction: unknown

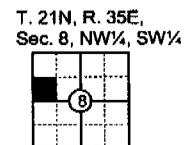
Additional Perforations: None

Driller: W. E. Knoblock

AB2213

Depth (feet)	Lithology	Detail	Well Construction	
	*Recorded at time of drilling		*Recorded at time of drilling	Abandonment
0	No well log available			Well flowing at surface
50				Plug date: 11/06/03 vol. of cement = 3.0 cu. yds nominal density = 18.6 lbs./gal. Waiver Number R-453
100				Measured Depth = 111 ft

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Well Abandonment Summary

This summary contains brief descriptions of the abandonment of the 13 wells located in the Dixie Valley Electronic Warfare Range. This information, along with available data from well logs completed at the time of drilling, is summarized on the Well Abandonment Logs.

Well 17J

Well 17J was located on Ellis Lane (the former Robbins parcel) in SW $\frac{1}{4}$, NW $\frac{1}{4}$, section 8, T21N, R35E. A search of the records archived at the Carson City office of the Division of Water Resources (DWR) failed to identify a log that could be confidently associated with this well. This well was probably used for pasture irrigation. The 3-inch diameter steel casing was measured to a depth of 111 feet below ground surface (bgs). At the time of abandonment the well was flowing at about 3 gallons per minute (gpm) at the surface.

No obstructions, debris, or foreign materials were found in this well. An attempt to pull the casing failed. The small diameter of the well precluded the use of the mills knife to perforate the casing. A waiver from NAC 534.420-5(b) was requested from DWR to allow sealing in place. Waiver number R-453 was received on October 30, 2003, approving this approach.

The well was abandoned on November 6, 2003, by placing 100 feet of 1-inch diameter poly pipe to the bottom of the hole and pumping neat cement grout to the land surface. Approximately 3 cubic yards of grout weighing about 18 pounds per gallon (lbs/gal) was placed in the well. The amount of grout used was 1487 percent of the cylindrical well volume, indicating that the grout permeated the surrounding formation through the bottom of the casing and/or through existing perforations. Subsequent to grouting the well the casing was cut down to 1 foot below land surface.

Well 17M

Well 17M was located on Ellis Lane (the former Robbins parcel) in SW $\frac{1}{4}$, NW $\frac{1}{4}$, section 8, T21N, R35E. A search of the records archived at the Carson City office of DWR failed to identify a log that could be confidently associated with this well. This well was probably used for pasture irrigation. The 3-inch diameter steel casing was measured to a depth of 111 feet bgs. At the time of abandonment the well was flowing at about 3 gpm at the surface.

No obstructions, debris, or foreign materials were found in this well. An attempt to pull the casing failed. The small diameter of the well precluded the use of the mills knife to perforate the casing. A waiver from NAC 534.420-5(b) was requested from DWR to allow sealing in place. Waiver number R-453 was received on October 30, 2003, approving this approach.

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