

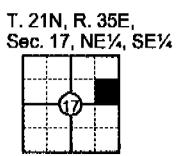
	Lahontan GeoScience, Inc. Well Abandonment Log	Project:	Project No.:
		Water Well Closures in Dixie Valley	NASF: 03140
		Contract No: lic 49162	Boring No.: 053A

Location (TRS): T. 21N, R. 35E, Sec. 17, NE¼, SE¼	Location (Lat/Lon): 39° 41.390' N, 118° 03.720' W	Elevation: 3384 ft
--	--	-----------------------

Permit No.: none	Well Log: none	Measured Depth: 81 ft	Perf. Date: -
Borehole Dia.: unknown	Casing Size: 4", Steel	Measured Casing Size: 4", Steel	Plug Date: 11/04/03
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

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
4				Casing broke at 4 ft while attempting to pull casing.
25				
50				plug date: 11/04/03 vol. of cement = 0.3 cu. yds nominal density = 18.6 lbs./gal.
75				
81				Measured Depth = 81 ft
100				

RECEIVED
DEC 24 2003
STATE ENGINEER'S OFFICE



AB2213

immediately to place 2-inch diameter poly pipe in the hole before it collapsed. The poly pipe hung up on top of the broken casing at 30 feet. Because the flow had increased significantly and was jeopardizing access to the wellhead, 0.4 cubic yards of cement was hand mixed and placed in the hole to try to form a temporary plug. Much of this grout was ejected from the well due to the high flow rate.

The well was abandoned on November 20, 2003, by pumping neat cement grout through the tremie pipe to the land surface. A total of 6.9 cubic yards of grout weighing about 18 lbs/gal was placed in the well. The amount of grout used was 1100 percent of the cylindrical well volume. Subsequent to grouting the well the casing was cut down to land surface.

Well 53A

Well 53A was located on Dempsey Lane in SE¼, NE¼, section 17, 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 domestic water supply. A small pump house was built over a concrete pad next to the well. This structure was pulled off the pad and set aside. The well was constructed using a 4-inch diameter steel casing. The depth of the well was measured at 81 feet bgs. At the time of abandonment the well was flowing at about 5 gpm at the surface.

No obstructions, debris, or foreign materials were found in this well. An attempt to pull the casing resulted in a separation at 4 feet bgs. The perforation tool could not be advanced past the break.

The well was abandoned on November 4, 2003, by placing 81 feet of 1.5-inch diameter poly pipe to the bottom of the hole and pumping neat cement grout to the land surface. Approximately 0.3 cubic yards of grout weighing about 18 pounds per gallon (lbs/gal) were placed in the well. The amount of grout used was 115 percent of the cylindrical well volume.

Well 54A

Well 54A was located on Dempsey Lane in SE¼, NE¼, section 17, 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 6-inch diameter steel casing was measured to a depth of 249 feet bgs. At the time of abandonment the well was flowing at about 10 gpm at the surface.

No obstructions, debris, or foreign materials were found in this well. An attempt to pull the casing failed. Casing perforation was completed on November 12, 2003. Using the mills knife, 4 perforations per foot were cut into the casing from 233 feet to 30 feet bgs. The presence of a screened interval from 200 feet to 249 feet bgs was interpreted from the lack of resistance to the mills knife. The presence of