101928

Lahontan GeoScience, Inc.

Well Abandonment Log

Project:	Water Well Closures in Dixie Valley
Project No.:	FNAS: 01250
Sheet	1 of 1
Contract No:	N44255-01-C-7021
Boring No.:	89B

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Location (TRS): T. 21N, R. 35E, Sec. 20, NE¼, SW¼		Location (Lat/Lon): 39.672966N 118.069453W NAD27 N 39° 40.373', W 118° 4.225' NAD83	Elevation: 3451 ft
Permit No.: 30642 (34098?)	Well Log: unfiled	Measured Depth: 206 ft	Perf. Date: 1/16/02
Borehole Dia.: 18 inches	Casing Size: 12 inches	Measured Casing Size: 12 inches, steel	Plug Date: 2/7/02
Borehole Depth: 211 ft	Casing Depth: 211 ft	Static Water Level: flowing at 20 gpm	Supervised by: Phil Oberlander
Perforations at time of construction: 120-150, 200-210 ft		Additional Perforations: 10-85 ft, 8 perfs/ft	Driller: George Steele

Depth (feet)	Lithology *Recorded at time of drilling	Detail	Well Construction *Recorded at time of drilling	Abandonment
	Using well log found in Permit No. 34098			
0	sand, clay 0-12 ft			flowing at 20 gpm
	black sand 12-23 ft			suface seal believed to be 0-10 ft based on rejected perforations
	sand 23-40 ft			
	gravel 40-60 ft			
50				new perforations: 10-85 ft 8 perfs per foot
	sand 60-69 ft			
	clay 69-95 ft			Perforations between previously screened artesian zones was avoided to prevent washing out confining formations
100	coarse sand 95-120 ft		gravel pack 30-220 ft	
	gravel 120-150 ft		original perforations: 1/8" x 3" factory cut 120-150 ft	Plug Date: 2/7/02 vol. of cement = 7.5 cu. yds nominal density = 15.7 lbs./gal.
150	coarse sand 150-156 ft			
	gravel 3/16" 156-165 ft			
	fine sand 165-170 ft			
	clay 170-195 ft			Measured Depth = 206 feet
200	gravel 195-211 ft		original perforations: 1/8" x 3" factory cut 200-210 ft	
			Original Casing Depth = 211 feet	

Rec 1-20-06

RC 1-4-07