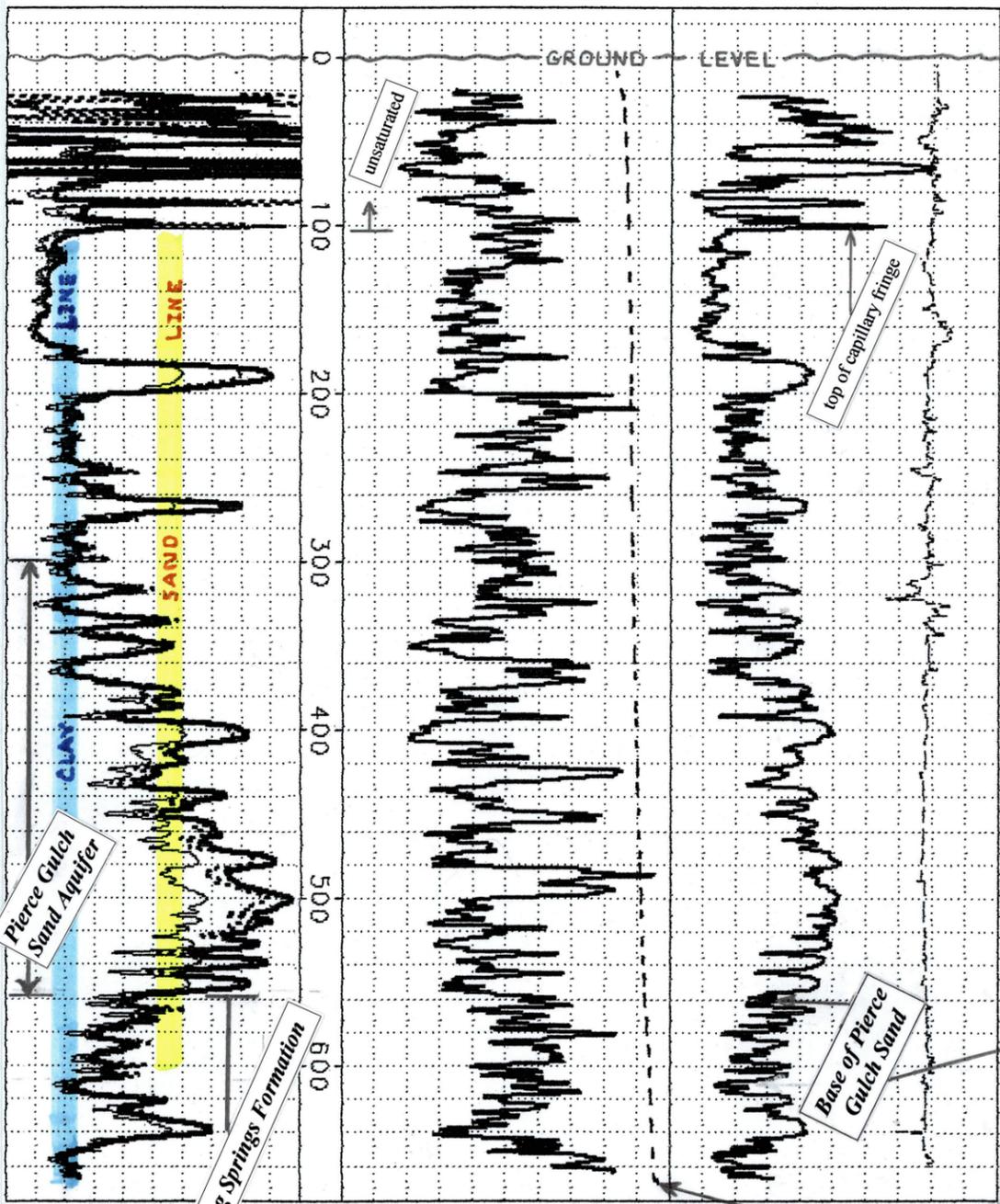
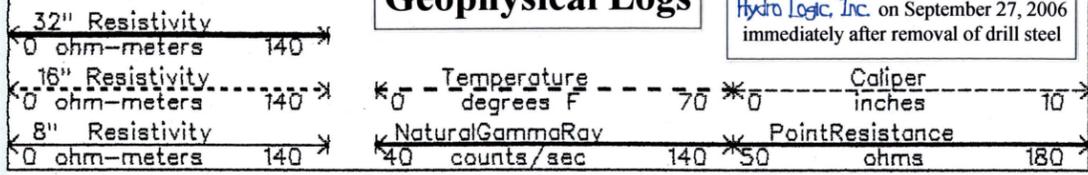


# Geophysical Logs

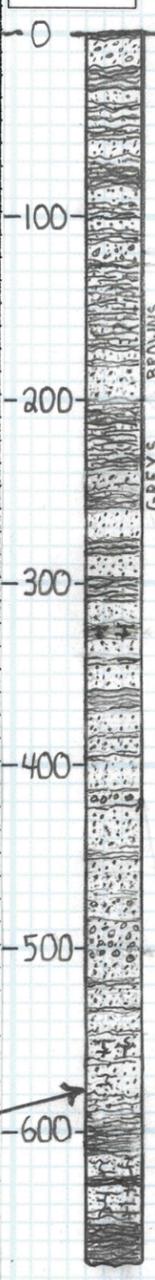


Geophysics conducted by:  
**Hydro Logic, Inc.** on September 27, 2006  
 immediately after removal of drill steel

# Lithology

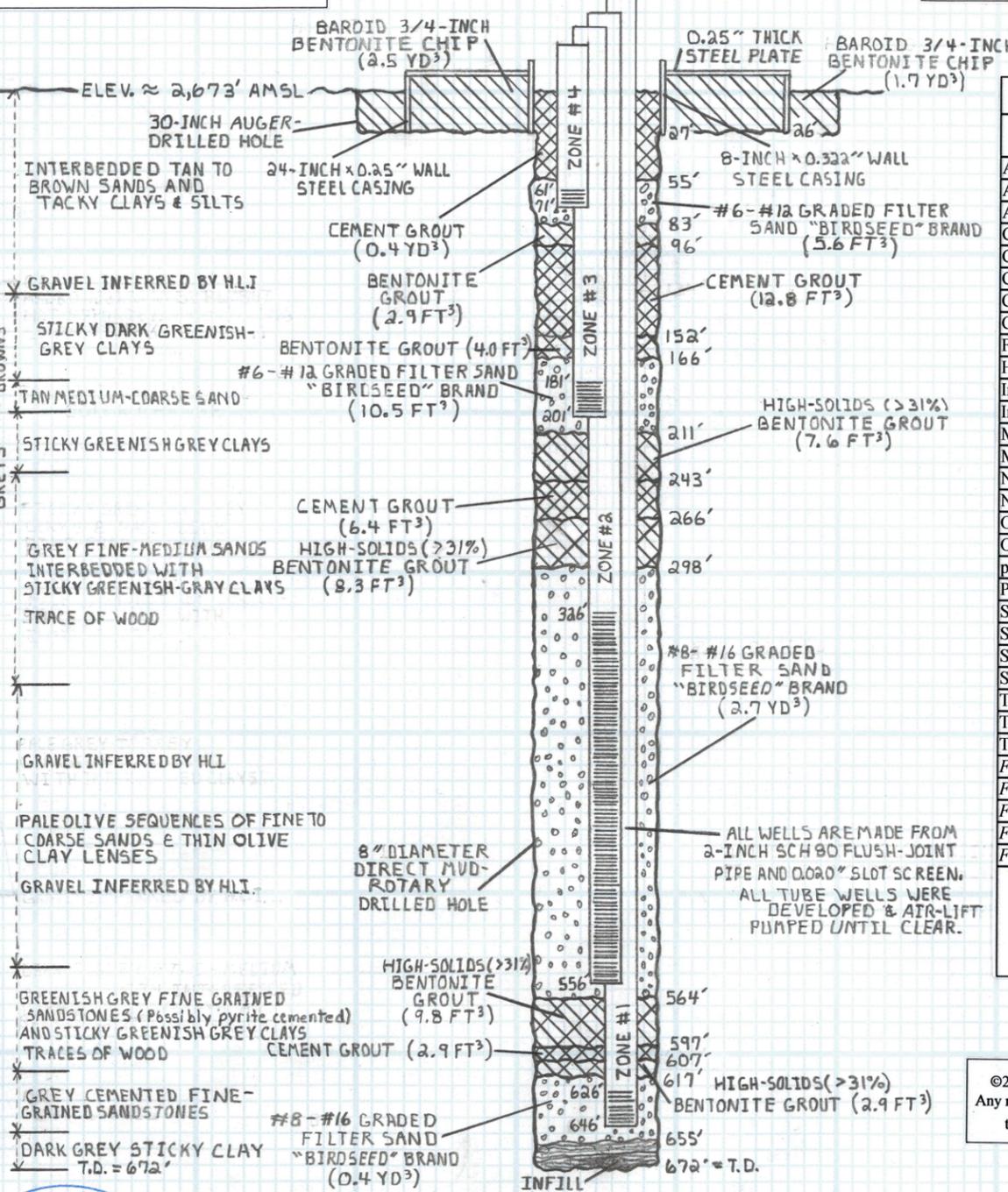
Hydro Logic, Inc. lithologic log is interpreted and drawn from geophysical logs and drilled cuttings from the borehole.

Depth (feet below ground level)



# As-Built Well Construction

(horizontal scale 0.1"=1.0")  
 (vertical scale 1"=100')



**M3 Eagle - Test Well #4**  
 T. 5 N., R. 1 W., Section 27, NW¼, SE¼, NE¼  
 Latitude 43° 44' 48.7" Longitude 116° 26' 14.6"  
 Well completed February 2008

# Ground Water Chemistry

Analysis (in mg/L unless noted)	ZONE #1 (646 - 626 ft bgl)	ZONE #2 (556 - 326 ft bgl)
Alkalinity	128.0	122.0
Ammonia as N	0.11	<0.01
Arsenic	0.0029	0.0066
Calcium as CaCO <sub>3</sub>	83.9	81.0
Chloride	4.13	4.57
Color (apparent)	<1	<1
Conductivity (µS)	307.0	300.0
Corrosivity	-0.45	-0.46
Fluoride	0.48	0.43
Hardness	118.0	109.0
Iron (total)	0.31	0.02
Iron (dissolved)	0.27	0.01
Magnesium	8.33	6.81
Manganese (dissolved)	0.07	0.01
Nitrate as N	<0.10	0.39
Nitrite as N	<0.01	<0.01
Odor	<1	<1
Orthophosphate	0.104	0.133
pH - Lab (S.U.)	7.45	7.52
Potassium	2.52	2.28
Silica	37.2	32.5
Sodium	24.0	25.8
Sulfate	21.2	23.0
Sulfide	<0.05	<0.05
Total Dissolved Solids	225.0	223.0
Total Kjeldahl Nitrogen	0.11	<0.10
Total Organic Carbon	<1.0	1.00
Field Conductivity (µS)	316 to 333	303 to 334
Field Dissolved Oxygen	0.09	2.26
Field O.R.P. (mV)	-122 to -105	+99 to +116
Field pH (S.U.)	7.48 to 7.64	7.53 to 7.70
Field Temperature (°F)	68.9	64.6

Water samples and field parameters collected on April 3, 2008 by **Hydro Logic, Inc.**  
 Each field parameter (except DO) was acquired with two separate calibrated meters to validate measurements.  
 Analyses by Alchem Laboratories, Inc., Boise, ID

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# Water Levels

(feet below measure point = 3.5 feet above ground)

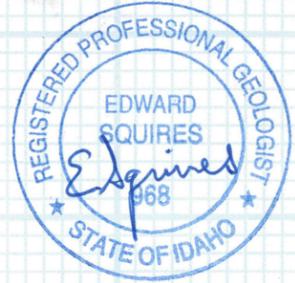
Date / Time (24-hr clock)	ZONE #1 (646 - 626 ft bgl)	ZONE #2 (556 - 326 ft bgl)	ZONE #3 (201 - 181 ft bgl)	ZONE #4 (61 - 71 ft bgl)
3/07/08 18:31	130.25	130.72	134.76	unsaturated zone (installed to confirm vadose zone)
3/14/08 17:12	130.25	130.73	134.20	
3/20/08 12:27	130.32	130.79	134.49	
3/22/08 18:12	130.43	130.92	134.74	
3/31/08 14:51	130.11	130.60	134.56	

Water levels recorded by **Hydro Logic, Inc.**

NOTES: ALL GROUTS PUMPED FROM THE BOTTOM UP THROUGH TREMIE AND TAGGED INTO PLACE.  
 ALL BENTONITE GROUTS CONTAIN GREATER THAN 31% SOLIDS BY WEIGHT.  
 ALL CEMENT GROUTS WERE MADE WITH 6 GALLONS OF WATER MIXED WITH 94 POUNDS OF PORTLAND CEMENT.

drafted March 2008 by Loren Pearson

B.H.T. = 67.6°F  
 AT 668 FEET  
 PROBE LEFT ON BOTTOM UNTIL TEMPERATURE STABILIZED.



On site supervision, well design, pump test design, and water quality sampling by **Hydro Logic, Inc.**, Boise, ID.  
 Direct mud-rotary drilling and well construction by **Treasure Valley Drilling and Pump, Inc.**, Weiser, ID  
 Well development by **McLeran Well Drilling, LLC**, Fruitland, ID