

Well Construction

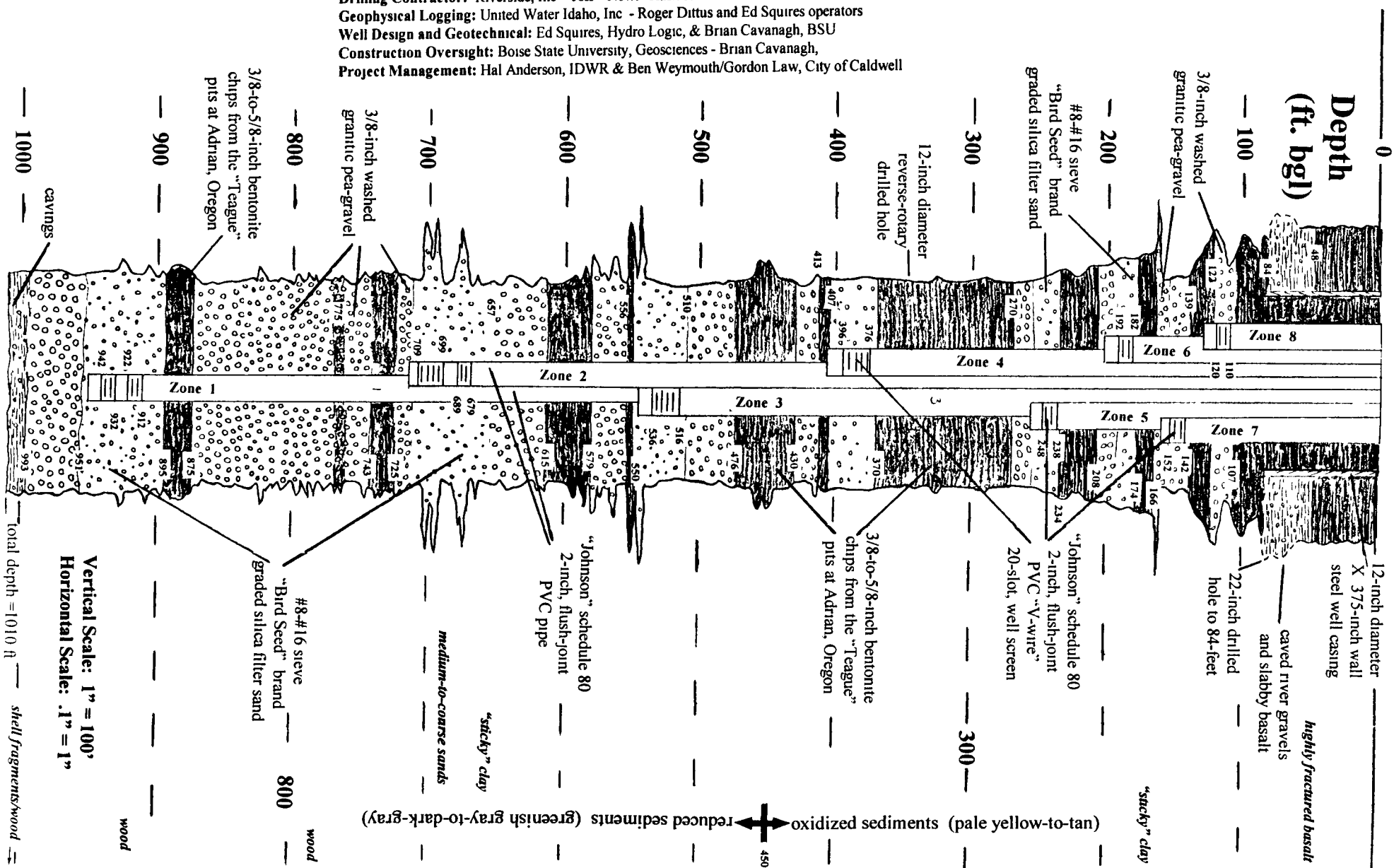
Lithology

Geophysics

Treasure Valley Hydrologic Project #2 Monitoring Well

11/2/1999

Depth (ft. bgl)

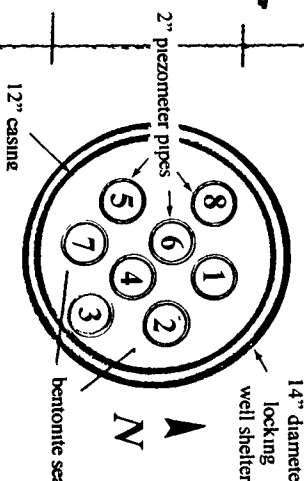


64" Resistivity 200
16" Resistivity 200
Natural Gamma Ray counts/sec 150

H2O Temperature 75
Natural Gamma Ray counts/sec 150

Point Resistance 500

Wellhead Configuration



Water Chemistry

Parameter (mg/l)	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Alkalinity	73.2	60.6	64.8	75.2	359.0			
Ammonia as N	0.33	0.04	0.04	0.06	0.03			
Calcium	10.4	9.84	10.7	18.9	62.3			
Chloride	2.44	2.80	3.06	9.82	13.5			
Corrosivity	-0.25	-0.62	-0.69	-0.3	0.15			
Fluoride	0.57	0.42	0.44	0.43	0.36			
Hardness	28.9	32.9	32.9	60.9	199.0			
Iron	<0.01	<0.01	<0.01	<0.01	<0.01			
Iron (dis)	<0.01	<0.01	<0.01	<0.01	<0.01			
Magnesium	0.73	1.38	1.52	3.32	10.5			
Manganese (dis)	0.05	<0.01	<0.01	<0.01	<0.01			
Nitrate as N	<0.10	0.16	0.27	0.49	4.55			
Potassium	1.38	1.45	1.52	1.82	3.83			
Silica	22.3	24.6	27.0	26.8	29.7			
Sodium	23.3	17.4	19.1	20.2	90.0			
Sulfate	7.07	7.30	8.40	23.7	74.5			
Total Dissolved Solids	@167	@170	@132	@122	@126	@179	@538	@468
Total Phosphorus as P	0.030	0.037	0.056	0.031	0.037			
Field pH	8.38	8.13	8.04	8.08	7.48			8.15
Field Conductance uS	232	236	169	175	248			650
Field Temperature °F	@ 65	66.0	64	61.5	62			60.8
Odor		H2S	H2S	no	no			no
Gas (volatile)	no	no	no	no	no			no
Water level (ft bmg)	40.62	36.38	67.27	75.25	75.16	76.06	76.26	74.45
VOC's			N/D	N/D	N/D	N/D		

Geophysical logs run in an open, water filled borehole on 10/1/99

ES/BC 11-99