Boring Location - MW-4	Top of Casing Elevation - tbd
Drilling Equipment - CME 75 (TCDI Mike Eric + Frank)	Dia. and Type of Well Casing - 2" dia PVC
Elevation and Datum - gs	Type of Screen -
Water Level - ~67' bgs	Type of Filter Pack - #2/16 Sand
Date of Boring - 5/28/03 - 5/29/03	Type of Seal - Bentonite
Logged By - C. Williams	Type of Well Cover - 12-inch flush mount

Depth (ft)	Geologic Log	SOIL DESCRIPTION	WELL DETAILS	Blow Counts	OVM (ppm)	Sample Type	Sample No.	Notes
		2" Asphalt Concrete Paving over native soil			3' concrete seal with locking plug and 12" dia. steel cover (flush mount)			hand augered to 5' - sun fading to overcast this time
	SM	dense - v. dense, medium red brown, silty fine sand, moist						
		BAY POINT FORMATION						
5				19 21 25	<1		4-5	N=46 1502
10				21 50/6	<1		4-10*	N>50 1509
	ML	v. hard, lt olive, silt w/ trace med. sand, moist	Grout Well					
		no sand	2" dia. PVC Casing					
15				15 22 30	<1		4-15	N>50 1517
20	SW	dense, med. red brown, well-graded sand, moist, w/ trace gravel (fine)		13 14 17	<1		4-20*	N=31 1518
	ML	v. hard, med. olive, silt, moist						
25		- continued next page						

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COMPLIANCE MONITORING SERVICES

Boring Location - MW-4 (continued)	Top of Casing Elevation - tbd
Drilling Equipment -	Dia. and Type of Well Casing - 2" dia PVC
Elevation and Datum -	Type of Screen - 0.010" slotted PVC
Water Level -	Type of Filter Pack - #2/16 Sand
Date of Boring - 5/28/03 - 5/29/03	Type of Seal - Bentonite
Logged By - C. Williams	Type of Well Cover - 12-inch flush mount

Depth (ft)	Geologic Log	SOIL DESCRIPTION	WELL DETAILS	Blow Counts	OVM (ppm)	Sample Type	Sample No.	Notes
25	ML	continued	Grout well; 2" dia PVC casing	11 16 33	<1		4-25*	N=49 1531
	SP	v. dense, lt. olive gray, v. fine sand, moist, trace coarse sand grades to						
30	ML	v. hard, lt. red brown (5YR olive hue), silt		8 16 32	<1		4-30*	N=48 1542
	SW	v. dense, lt olive gray, well-graded sand, moist, fine-coarse grained						
35	ML	hard, med. red brown, silt, moist -trace carbon flecks becomes lt. olive gray		10 10 18	<1		4-35*	N=28 1555 ← 5/28/03 end ← begin 5/29/03 (0730)
40				8 10 15	2		4-40*	N=25 0750
	CH	hard, lt. olive, fat clay (CH) with variable Fe oxide staining, moist, massive bedding grades to						
45				7 10 17	1		4-45*	N=27 0800
50	SM	very dense, lt. olive gray, silty fine sand with Fe oxide zones + nodules, interbedded with hard, fat clay layers <12" thick -continued next page						

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COMPLIANCE MONITORING SERVICES

Boring Location - MW-4 (cont.)	Top of Casing Elevation - tbd
Drilling Equipment -	Dia. and Type of Well Casing - 2" dia PVC
Elevation and Datum -	Type of Screen - 0.010" slotted PVC
Water Level -	Type of Filter Pack - #2/16 Sand
Date of Boring - 5/28-29/03	Type of Seal - Bentonite
Logged By - C. Williams	Type of Well Cover - 12-inch flush mount

Depth (ft)	Geologic Log	SOIL DESCRIPTION	WELL DETAILS	Blow Counts	OVM (ppm)	Sample Type	Sample No.	Notes
50	SM	continued		22 23 50/5"	<1		4-50*	N>50 0815
	CL-ML	v. hard, red brown + olive mottled, lean clay with sand and silt						rewashed drilling
55				12 17 27	1		4-55*	N=44 0830
			Bentonite Chipseal					
		trace gravel						
60				15 50/5"	NM		4-60*	N>50 0847
		grades to						
	ML-MH	hard, red brown mottled w/ little olive, silt (weathered?), moist						
65				7 9 15	<1		4-65*	N=24 0905 ▽ = 66.70 btoc
		becomes lt. olive w/ some red brown mottling, highly micaceous trace coarse sand	#2/16 Sand; 2" PVC w/ 0.010" slot					▽ @ ~69' ATD
70				6 8 17	<1		4-70*	N=25 0922
		- becomes strong red brown with minor interbeds						
75								

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COMPLIANCE MONITORING SERVICES

Boring Location - MW-4 (continued)	Top of Casing Elevation - tbd
Drilling Equipment -	Dia. and Type of Well Casing - 2" dia PVC
Elevation and Datum -	Type of Screen -
Water Level -	Type of Filter Pack - #2/16 Sand
Date of Boring - 5/28-29/03	Type of Seal - Bentonite
Logged By - C. Williams	Type of Well Cover - 12-inch flush mount

Depth (ft)	Geologic Log	SOIL DESCRIPTION	WELL DETAILS	Blow Counts	OVM (ppm)	Sample Type	Sample No.	Notes
75	ML-MH	continued includes minor beds of fat clay, strong red brown and sand, fine-med grained		6 10 19	<1		4-75	N=29 0933
80	SM	dense, strong red brown, silty fine sand, wet, micaceous		6 14 30	<1		4-80	N=44 0950
85		Total Depth = 81.5' ~~#2/16 Sand (RMC) - 5½ bags~~ ~~Med. Chips - Enviroplug (Wyo Ben) - 1 bag~~ ~~Grout Well (Wyo Ben) -~~ Lost, redrill same hole, Set well as follows: #2/16 Sand (RMC) - 6 bags Med Enviroplug (Wyo Ben) - 1 bag Grout well (Wyo Ben) - 3½ bags mixed @ ~20% solids with potable water						add 15 gallons of water during well construction - surged for 15 mins to settle sand prior to placing seal

REGISTERED GEOLOGIST
C. CLINTON WILLIAMS
No. 5341
Date Signed 8/5/03
STATE OF CALIFORNIA

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