CH2MHILL

PROJECT NUMBER	WELL NUMBER MW 31	SHEET 1 OF 1

WELL DEVELOPMENT LOG

PROJECT: OMEGA LOCATION: Whittier / Mar Vista
DEVELOPMENT CONTRACTOR: TRI-COUNTY (BILL)
DEVELOPMENT METHOD AND EQUIPMENT USED: SURGE + BAIL
START WATER LEVELS: 99.04 START: END: LOGGER: V. MATHUR 9-8-09

MAXIMUM DRAWDOWN DURING PUMPING: ? — SOUNDER CAN NOT FILL DOWN CASING WITH PUMP
RANGE AND AVERAGE DISCHARGE RATE: 1-2 GPM
TOTAL QUANTITY OF WATER DISCHARGED: 205
DISPOSITION OF DISCHARGE WATER: 4 DRUMS, LABELED

Time	Water Volume Discharged (gal)	Water Level (ft BTOC)	Turbidity (NTU)	Temperature (°C) F	pH	µS/cm Conductivity (µmhos/cm)	Remarks (color, odor, sheen, sediment, etc.)
1038	0	99.04	—	—	—	—	TD = 126.2, FINES, brown
1126	5	100.84	—	—	—	—	BAILED, brown, fines
1158	15	109.10	—	—	—	—	[BAILED, brown, fines
1248	35	112.15	—	—	—	—	recharging 1 ft / min]
1330	35	99.40	—	—	—	—	Prep for surging
1410	40	99.04	>1000	82.4	6.73	2.21	BAILED. Prepare to set-up pump
1500	40.5	99.04	>1000	78.2	6.62	1.81	pump at 110' BGS 320 gal/22 sec = 1-1.5 GPM
1510	~~4250~~ 250	—	400	77.1	6.65	1.66	
1520	60	—	121	76.1	6.55	1.60	
1530	70	—	75.6	76.0	6.53	1.63	
1540	80	—	~~75.4~~ 122	75.4	6.49	1.59	increase to 44 sec/gal = 1.5 gpm
1547	90	—	93.6	74.5	6.45	1.55	
1555	100	—	36.8	73.8	6.45	1.58	
~~1610~~ 1615	105	—	470	74.5	6.62	1.57	DROP PUMP TO 118! 32 sec/gal = 2 gpm
1625	125	—	79.3	73.9	6.56	1.54	
1635	145	—	25.3	73.7	6.53	1.52	
1645	165	—	18.3	73.4	6.50	1.54	
1655	185	—	15.7	73.3	6.49	1.55	
1705	205	—	15.5	73.2	6.48	1.55	STABLE. IMHOFF CONE < 0.75 ml/L