CH2MHILL

PROJECT NUMBER	WELL ID	
335392.FI.01	MW-23A	Sheet 1 of 1

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2 LOCATION: MW-23A 5-18-07

DEVELOPMENT CONTRACTOR: Prosonic

DEVELOPMENT METHOD AND EQUIPMENT USED: Bail, Swab, Pump

START WATER LEVELS: 28.18 START: END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE: 3-10 gpm average 4 LOGGER: J. Ockerman

TOTAL QUANTITY OF WATER DISCHARGED: 750 TD = 60.0'

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: QED MP20

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
8:55			Bail	20	gallons					Dark Brown very little fines
	Swab									
9:30		Bail	20	gallons						
10:00		Pump	on	at	55'					
10:05	50	10	33.20	2000	22.50	8.01	1.321	123	3.45	Brown
10:10	100	3	29.40	2000	23.98	7.76	1.334	119	2.70	↓
10:16	150	4	29.38	625	23.98	7.47	1.365	116	2.55	Cloudy
10:25	200	4	29.40	444	24.07	7.34	1.378	114	2.76	
10:35	240	4	29.36	261	24.08	7.29	1.385	114	2.78	
10:45	280	4	29.38	86.3	23.88	7.26	1.401	113	2.73	
10:55	320	4	29.36	26.8	23.85	7.22	1.413	113	2.54	Clear
	Swab									
11:30	Pump		at	45'						
11:35	370	10	34.87	2000	22.67	7.28	1.425	112	4.73	Brown
11:40	400	4	29.60	1158	23.58	7.21	1.426	111	3.10	↓
11:45	420	4	29.58	230	23.80	7.18	1.429	113	3.03	Cloudy
11:50	440	4	29.55	288	23.91	7.19	1.435	114	3.03	
11:55	460	4	29.57	242	23.97	7.15	1.441	114	2.85	
12:00	480	4	29.55	208	23.92	7.15	1.444	115	2.90	↓
12:05	500	4	29.55	148	24.05	7.12	1.444	115	2.58	
	Pump off to empty tank									
13:25	Pump on		at	55'						Cloudy
13:30	25	5	29.40	105	25.37	7.24	1.447	124	3.17	
13:35	50	5	29.45	44.2	24.21	7.17	1.460	125	3.15	
13:40	80	5	29.45	30.4	24.12	7.08	1.441	125	2.99	
13:45	105	5	29.45	22.5	24.34	7.07	1.450	125	2.62	clearing
13:50	130	5	29.44	17.1	23.99	7.07	1.450	125	2.68	
13:55	155	5	29.45	13.1	24.18	7.07	1.460	125	2.54	↓
14:00	180	5	29.45	11.9	23.91	7.08	1.460	125	2.47	
14:05	210	5	29.45	9.2	23.98	7.07	1.460	125	2.49	
14:10	235	5	29.45	8.3	23.96	7.07	1.460	125	2.35	clear
	Pump		off							

6/12/07

CH2MHILL

PROJECT NUMBER 335392.FI.01

WELL ID MW24A

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PRKG LOT

DEVELOPMENT CONTRACTOR: WDC

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL, PUMP

START WATER LEVELS: 36.86 w/PUMP IN START: 0700 END: 0825

MAXIMUM DRAWDOWN DURING PUMPING: 0.5'

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED: 300 gallons

DISPOSITION OF DISCHARGE WATER: TANK # 108237

MONITORING EQUIPMENT USED: HACH TURBIDITY METER / YSI 556 MPS

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
0702		4		PUMP ON.						
0707	20	4	37.11	164	24.29	7.02	1753	68.1	0.68	
0712	40	4	37.07	133	24.49	6.98	1760	60.5	0.62	
0722	80	4		12.1	24.91	6.95	1766	55.8	0.68	CLEAR
0727	100	4		5.10	24.56	6.94	1751	54.4	0.68	CLEAR
0728	PUMP OFF. SURGE WELL. MOVE INTAKE TO 61' BTC									
0730	PUMP ON.									
0735	120	4	37.05	74.2	24.44	6.95	1751	50.7	1.64	CLEARING
0740	140			71.9	25.17	6.93	1769	36.7	0.99	CLEARING
0745	160	4		28.9	25.32	6.93	1772	33.0	0.88	CLEAR
0750	180	4	37.01	6.27	25.30	6.93	1771	23.6	0.78	CLEAR
0752	SURGE WELL.									
0755	PUMP ON									
0800	200	4		86.5	24.94	6.93	1755	19.5	0.93	CLEARING
0805	220	4		80.6	25.77	6.92	1788	19.3	1.31	
0815	260	4		47.0	25.88	6.88	1792	18.7	0.70	
0820	280	4	36.95	13.1	25.83	6.86	1788	23.6	0.65	CLEAR
0825	300	4		5.82	25.90	6.85	1790	25.0	0.65	CLEAR
		PUMP OFF. DONE W/ THIS WELL.								
0845			COLLECT SAMPLE				OC2-MW24A-W-0-565			

WellDevLog.xls

CH2MHILL

PROJECT NUMBER: 335392.FI.01

WELL ID: MW24-A

WELL DEVELOPMENT LOG

6/11/07

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PARKING LOT SCREEN 50-70 - TD=75'

DEVELOPMENT CONTRACTOR: WDC

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL, PUMP

START WATER LEVELS:

START: 0900 END: 1645

MAXIMUM DRAWDOWN DURING PUMPING: 0.5'

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED: 840

DISPOSITION OF DISCHARGE WATER: TANK # 108237

MONITORING EQUIPMENT USED: HACH TURBIDIMETER / YSI 556 MPS

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
1020	BAIL WELL.									TH 111
	BAILED 400 gallons FROM MW24-A.									PID - 0.8ppm WHEN BAILING
1225	FINISHED SWABBING.									
1300	PUMP ON 4gpm INTAKE AT 63' BTOC.									
1310	40	4	37.11	>1000	25.83	6.98	1839	-25.7	2.60	
1320	80	4	37.06	1000	25.87	6.92	1828	-5.5	1.83	PID - 0.0ppm
1330	120	4		610	25.92	6.90	1828	1.0	1.49	
1340	160	4	37.04	268	25.89	6.88	1817	8.3	1.45	CLEARING
1350	200	4		193	26.07	6.86	1809	17.9	0.90	
1410	280	4		151	26.07	6.83	1799	30.9	1.62	PID - 0.0ppm
1430	360	4		107	26.62	6.83	1813	29.7	0.74	
1450	440	4	36.99	111	26.40	6.88	1802	29.1	0.90	CLEARING
1500	480	4		102	26.55	6.87	1811	24.4	0.70	CLEARING
1510	520	4	36.98	97.5	26.62	6.87	1813	24.7	0.70	CLEARING PID - 0.0ppm
1530	600	4		74.5	26.87	6.86	1819	37.5	1.31	CLEAR
1550	680	4	36.94	85.3	26.77	6.86	1813	31.2	0.73	CLEAR
1610	760	4		102	27.33	6.84	1844	40.3	0.97	CLEARING
1630	840	4	36.91	66.5	27.35	6.85	1832	37.2	0.73	CLEAR
1631		PUMP OFF. DONE FOR DAY.								

CH2MHILL

PROJECT NUMBER: 335392.FI.01

WELL ID: MW24B

WELL DEVELOPMENT LOG 6/12/07

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PARKING LOT

DEVELOPMENT CONTRACTOR: WDC

SCREEN 110-125' TD-130'

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL, PUMP

START WATER LEVELS: 47.80 START: 0920 END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER: TANK# 108237

MONITORING EQUIPMENT USED: HACH TURBIDITY METER / YSI 556 MPS

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
0920		SET PUMP @ 112' BTC.								
0928		PUMP ON @ 2.5 gpm								
0938	25	2.5	43.88	702	23.66	7.31	1635	40.6	0.75	
0948	50		43.90	327	23.75	7.29	1605	34.8	0.85	
0958	75	2.5		128	23.74	7.29	1593	33.6	0.94	
1008	100	2.5	43.93	65	23.76	7.17	1586	67.2	1.72	CLEAR
1018	125	2.5		73.1	23.78	7.29	1585	49.5	1.03	CLEAR
1028	150	2.5		54.8	23.87	7.38	1583	40.9	1.05	CLEAR
1038	175			38.9	23.84	7.43	1582	38.4	1.07	CLEAR
1048	200		43.92	36.8	23.88	7.26	1582	72.1	1.32	CLEAR
1058	225			29.1	23.95	7.33	1582	53.1	1.10	CLEAR
1108	250	2.5		23.9	24.00	7.24	1583	47.6	1.10	CLEAR
1118	275			24.7	23.98	7.10	1582	67.8	1.99	CLEAR
1128	300	2.5	43.94	22.5	23.97	7.14	1584	70.9	1.46	CLEAR
1148	350			19.5	24.05	7.18	1586	50.8	1.12	CLEAR
1149		MOVE INTAKE TO 117' BTC. SURGE WELL.								
1158		PUMP ON. MOVE DISCHARGE TO TANK# 148L								
1203	365	2.5	43.11	724	25.36	7.09	1639	52.2	2.87	CLOUDY
1208	375	2.5	43.19	66.0	25.14	7.20	1625	31.2	1.78	CLEARING
1218	400			24.1	25.07	7.21	1622	12.8	1.32	CLEAR
1228	425			14.5	25.05	7.18	1621	49.6	1.34	CLEAR
1238	450	2.5		9.4	25.08	7.18	1621	28.0	1.17	CLEAR
1239	PUMP OFF DONE W/ DEVELOPMENT									
	6/13/07									
	0755	COLLECT SAMPLE FROM WELL								

CH2MHILL

PROJECT NUMBER: 335392.FI.01

WELL ID: MW-24C

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PRKNG LOT

DEVELOPMENT CONTRACTOR: WDC

SCREEN 140-160' TD = 165'

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL, PUMP

START WATER LEVELS: 42.70 START: 0740 END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER: TANK #1 108237

MONITORING EQUIPMENT USED: TURBIDITY METER / YSI 556MPS

Time	Volume Discharged (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
1035	PUMP		SET @ 84' BTC.				3gpm	43.31 DTW		
1040	15	3	42.92	>1000	26.37	7.48	1718	163.7	1.65	
1100	75	3	42.48	>1000	25.56	7.35	1593	136.9	2.04	
1120	135	3	42.44	404	25.41	7.25	1560	124.8	2.59	CLEARING
1140	195	3	42.39	332	25.38	7.23	1556	114.4	2.54	CLEARING.
1145	PUMP OFF.			LUNCH.						
1215	PUMP		ON	4gpm						
1220	235	4	42.38	208	24.92	7.26	1537	89.4	2.36	
1240	315	4		146	24.93	7.21	1534	80.0	2.44	
1300	395	4	4238	141	24.85	7.28	1526	87.2	4.53	
1320	475	4		125	24.91	7.35	1528	88.8	3.17	
1340	555	4	42.37	99.3	24.85	7.18	1522	85.0	4.31	
1342	PUMP OFF.			LOWER INTAKE TO 150' BTC						
1401	PUMP ON @ 4gpm									
1416	615	4	42.16	52.5	24.80	7.28	1526	86.1	3.11	CLEAR
1423	645	4		5.27	24.63	7.18	1521	80.1	2.67	CLEAR
1424		SURGE WATER.								
1430		PUMP ON.								
1435	665			9.19	25.38	7.22	1545	80.2	2.45	CLEAR
1445	705	4	42.27	6.04	24.31	7.19	1510	76.4	2.79	CLEAR
1446	LOWER INTAKE TO 154' BTC.									
1455	745	4		2.38	24.41	7.17	1514	79.6	4.31	CLEAR
	PUMP OFF. DONE W/ DEVELOPMENT									
	6/12/07									
0855			COLLECT SAMPLE - OC2-MW24C-W-0-567							

WellDevLog.xls

CH2MHILL

PROJECT NUMBER: 335392.FI.01

WELL ID: MW24-D

WELL DEVELOPMENT LOG 6/11/07

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PARKING LOT SCREEN 173-178 BTC TD = 183' BTC

DEVELOPMENT CONTRACTOR: WDC

DEVELOPMENT METHOD AND EQUIPMENT USED: BAIL, SWAB, PUMP.

START WATER LEVELS: 41.01 START: 0740 END: 1645

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER: TANK # 108237

MONITORING EQUIPMENT USED: YSI 556 MPS / HACH TURBIDITY METER

Time	Volume Discharged (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
0740			SET PUMP INTAKE @ 175' BGS							
0822			PUMP ON @ 2gpm WATER LEVEL DROPING FAST.							
0840			168.5	>1000	24.16	7.51	1420	99.3	0.72	
0850	40	1.5	169.6	>1000	24.38	7.48	1356	88.6	0.93	
0900	55	1.5	169.1	1000	24.27	7.47	1336	79.3	1.99	
0920	85	1.5	167.55	>1000	24.20	7.46	1330	67.0	1.58	
0923	PUMP OFF.			PUMP IS DEAD.						
	6/12/07									
1250	SET PUMP IN WELL @ 176' BTC.									PUMP ON.
1300	PUMP OFF. GENERATOR OUT OF FUEL.									
1319	PUMP ON.									
1330	20	2	91.97	>1000						
	PUMP IS ACTING WEIRD FLOW IS GOING UP AND DOWN.									
1410	±70	1								
1425	±100	.75	134.51	>1000	29.12	7.42	1438	31.0	2.94	
1445	115			500	28.57	7.30	1413	58.7	2.81	
1455	125	.75	133.94	99	28.20	7.34	1383	34.8	2.48	
1505	135		136.80	154	28.09	7.33	1352	26.0	2.15	
1525	150			90.8	28.04	7.19	1344	72.0	2.55	
1535	160	.75	136.68	71.9	27.81	7.30	1336	37.8	1.87	
1550	175			46.6	27.49	7.16	1318	79.4	2.57	
1600	185			46.0	27.13	7.27	1323	43.9	1.81	
1615	195		135.51	105	27.02	7.28	1311	32.9	1.70	
1630	205			89.3	27.10	7.22	1293	72.9	1.99	

CH2MHILL

PROJECT NUMBER 335392.FI.01

WELL ID MW24D

WELL DEVELOPMENT LOG 6/13/07

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PRKG LOT SCREEN 173-178' TD=183

DEVELOPMENT CONTRACTOR: WDC

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL, PUMP,

START WATER LEVELS:

START: 0700

END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER: TANK #145L

MONITORING EQUIPMENT USED: HACH TURBIDIMETER / YSI 556MPS

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
0732		.75		PUMP	ON @ 171' BTOC.					
0743		PUMP	SHUT	OFF.						
0825		MOVE	INTAKE	TO	163' BTOC.					
0830	±30	.75	112.31	>1000	26.06	7.43	1326	62.5	2.94	
0840	40		117.75	>1000	27.98	7.43	1357	51.3	1.35	
0850	50		130.71	>1000	26.54	7.37	1297	50.1	1.11	
0900	60		127.41	490	27.29	7.34	1327	58.0	4.02	
0920	75			367	28.04	7.36	1312	40.5	1.04	
0940	90		127.38	33.0	28.45	7.32	1310	55.2	1.12	
0950	100			41.8	28.72	7.33	1308	40.6	0.91	
1000	110	.75		20.3	29.30	7.37	1319	23.8	0.85	
1020	125			27.4	29.88	7.31	1320	40.3	1.35	
10:35	135		127.38	15.3	30.30	7.38	1322	14.2	0.78	
10:50	150			18.4	30.34	7.37	1318	20.8	0.75	
11:00	157		127.38	12.1	30.58	7.23	1329	23.8	0.79	
11:15	170		127.38	9.8	31.11	7.26	1324	24.6	0.68	

CH2MHILL

PROJECT NUMBER 335392.FI.01

WELL ID MW24-D

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2

LOCATION: HOME DEPOT PARKING LOT

DEVELOPMENT CONTRACTOR: WDC

DEVELOPMENT METHOD AND EQUIPMENT USED: SWAB, BAIL PUMP 173-178' TD-183

START WATER LEVELS: START: END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE: LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER: ROLL OFF # 108237

MONITORING EQUIPMENT USED: TURBIDITY METER / YSI 556 MPS

Time	Volume Discharged (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
	BAILED 100 gallons									
	SWABBED									
1230		1.25	46.00	PUMP INTAKE @ 120'						
1322	55			>1000	25.89	7.50	1608	39.8	2.46	VERY TURBID
1340	88	1.25		>1000	26.23	7.49	1586	22.5	1.94	PID- 0.0
1400	112			>1000	25.62	7.49	1599	19.7	1.63	
1402	PUMP OFF.									
1415	PUMP ON @ 173' BTC.									
1430	145	2		>1000	24.74	7.43	1496	16.7	7.44	PID- 0.0
1440	165	2		1000	24.71	7.44	1484	11.8	1.90	TURBID
1450	185	2		>1000	24.74	7.41	1471	10.9	1.81	
1500	205	2		>1000	24.68	7.41	1459	17.9	2.05	
1510	225		127.9	1000	24.88	7.42	1440	20.9	2.63	
1520	245			>1000	25.48	7.44	1404	11.5	1.48	PID- 0.0
1540	285		122	>1000	24.82	7.42	1445	9.7	1.64	
1550	305			>1000	24.80	7.42	1490	16.6	3.02	TURBID -
1620	365	2	139.8	>1000	24.81	7.40	1463	10.0	1.85	
1650	425	2	143.6	>1000	25.34	7.46	1491	18.9	2.81	TURBID PID- 0.0
	PUMP OFF. DONE FOR DAY.									

CH2MHILL

PROJECT NUMBER	WELL ID	
335392.FI.01	MW-28	Sheet 1 of 1

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2 LOCATION: MW-28 5-17-07

DEVELOPMENT CONTRACTOR: Prosonic

DEVELOPMENT METHOD AND EQUIPMENT USED: Bail, Swab, Pump, Swab, Bail, Pump

START WATER LEVELS: 73.65 START: 10:28 END: 15:15

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE: 4-5 gpm LOGGER: J. Ockerman

TOTAL QUANTITY OF WATER DISCHARGED: 860

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: QED MP20

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
10:28	0	4	73.78	w/ pump in			Begin	pumping		at 100' after 20 gal Bailed
10:32	16	4	75.26	837	21.8	7.17	1.404	138	5.61	cloudy
10:38	40	4	75.25	396	21.83	6.87	1.480	129	2.00	cloudy
10:44	64	4	75.26	373	22.22	6.77	1.480	120	1.83	↓
10:54	104	4	75.26	245	22.23	6.74	1.500	112	1.58	↓
11:05	148	4	75.26	137	22.23	6.74	1.51	109	2.12	↓
11:15	188	4	75.26	106	22.20	6.73	0.726	108	1.33	almost clear
11:30	225		75.26		22.44	6.74	1.52	107	1.61	
12:40	270		Pump off		Surge well			10 minutes top 10' of screen		
								10 minutes bottom 10' of screen		
13:10	Bail 20 gallons until no sediment.									
13:30	Pump on at 100' DTW 73.70									
13:45	75	5	74.90	215	25.37	6.85	0.890	126	2.09	cloudy
13:55	125	5	74.95	168	24.60	6.79	1.480	124	1.86	↓
14:05	200	4	74.95	125	23.79	6.71	1.500	123	1.28	↓
14:15	250	4.5	74.95	84.9	22.95	6.70	0.830	122	1.20	↓
14:25	300	4.5	↓	96.4	22.85	6.72	1.53	121	1.43	↓
14:35	350	4.5	↓	72.5	22.59	6.75	0.119	121	1.74	↓
14:45	400	4.5	↓	44.6	23.13	6.76	1.500	120	1.03	↓
	Reposition pump at 90'									
14:55	450	4.5	74.95	37.7	22.41	6.66	1.53	120	0.81	clear
15:05	490	4	74.95	18.7	22.21	6.66	1.52	120	1.00	↓
15:15	550	4.5	74.95	10.1	22.05	6.66	1.53	120	0.94	↓

TD = 109.7

WellDevLog

6/5/07

CH2MHILL

PROJECT NUMBER: 335392.FI.01

WELL ID:

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2

LOCATION: MW-29

DEVELOPMENT CONTRACTOR: ~~WDC~~ PROSONIC

SCREEN 90-110 TD=115 4"

DEVELOPMENT METHOD AND EQUIPMENT USED: BAIL, SWAB, PUMP

START WATER LEVELS: 80.11

START: 0800

END:

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: M. Ladeau

TOTAL QUANTITY OF WATER DISCHARGED:

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED: YSI 556 MPS / HACH TURBIDIMETER

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
0835	START BAILING WELL.									
0855	TAG BOTTOM 116' BTC. 15 SGLLONS REMOVED. DTW = 80.40 BTC.									
0925	FINISHED SWABBING.									
0945	BAILED 15 SGLLONS TAG BOTTOM 116'									
1010	PUMP SET A 114' BTC.					80.90 DTW				PID: 0.0ppm
1013		2		PUMP ON.						
1015	5		80.9	>1000	23.07	7.58	1581	56.8	3.15	VERY TURBID.
1018	20	4.5	80.8	>1000	24.21	7.47	1642	52.9	2.58	
1035	100	4.5	80.9	648	23.63	7.12	1773	19.8	0.98	CLEARING
1040	120		80.9	289	23.62	7.09	1790	13.2	1.11	CLEARING.
1050	165		80.9	249	23.61	7.06	1806	10.3	1.35	
1100	220	4.5		137	23.61	7.05	1817	11.2	1.22	
1110	270			40.4	23.65	7.03	1839	13.1	2.44	CLEAR.
1120	315			29.0	23.59	7.02	1848	16.0	1.85	
1124	MOVE INTAKE TO 109' BTC.									
1130	360			70.8	23.64	7.00	1865	16.3	1.37	
1140	405	4.5	80.9	57.9	23.56	6.99	1870	18.6	1.44	CLEAR PID-0.0ppm
1155	490			49.7	23.55	7.00	1874	21.6	1.68	CLEAR
1156	PUMP OFF. TANK IS FULL						LUNCH.			
1313	PUMP ON. INTAKE @ 104' BTC.									
1315	500	4.5	80.7	554	23.56	7.05	1875	46.8	4.82	CLOUDY.
1320	530			36.2	23.83	7.03	1907	39.6	3.14	CLEAR.
1330	580		80.8	12.2	23.78	7.01	1909	35.9	2.35	CLEAR
1332	MOVE INTAKE TO 99' BTC.									
1340	630		80.8	8.63	23.80	7.00	1917	34.3	2.05	CLEAR
1342	PUMP OFF SURGE WELL.									
1346	PUMP ON.									
1350	650		80.8	21.3	23.93	7.01	1922	48.8	6.58	CLEAR
1355	670		80.8	13.0	24.06	7.00	1928	48.3	4.33	CLEAR
	PUMP OFF. DONE									

CH2MHILL

PROJECT NUMBER 335392.FI.01

WELL ID MW-30

WELL DEVELOPMENT LOG

PROJECT: Omega Chemical OU-2

LOCATION: MW-30

DEVELOPMENT CONTRACTOR: Prosonic

DEVELOPMENT METHOD AND EQUIPMENT USED: Bail, swab, bail, pump x2

START WATER LEVELS: 91.6

START: 6-15-07

END: 6-15-07

MAXIMUM DRAWDOWN DURING PUMPING:

RANGE AND AVERAGE DISCHARGE RATE:

LOGGER: J. Ockerman

TOTAL QUANTITY OF WATER DISCHARGED: 325

DISPOSITION OF DISCHARGE WATER:

MONITORING EQUIPMENT USED:

Time	Volume Dischared (gal)	Flow Rate (gpm)	Water Level (ft BTOC)	Turbidity (NTU)	Temp. (°C)	pH	Conductivity (mS/cm)	ORP (mV)	DO (mg/L)	Remarks (color, odor, sheen, sediment, etc.)
	10	Bail								
	Swab									
	10	Bail								
8:55	0	5	91.70	Start	Pumping	at	110'			
9:00	25	5	92.13	894	27.64	7.18	2138	-40.1	3.68	Dark
9:12	100	5	92.15	152	27.45	7.11	2231	-27.9	1.41	cloudy
9:20	150	3.5	92.0	28.1	26.26	7.08	2104	-58.8	2.67	clear
9:30	180	3.5	92.0	11.6	27.91	6.95	2260	-61.6	0.96	clear
9:45	Swab		10	min	at	100'				
9:55	Swab		10	min	at	110'				
10:15	Bail		10	gal.						
10:35		3.5	91.70	Begin	Pumping	again	at	100'		
10:40	200	3.5	92.0	1000	29.46	7.31	2739	-66.9	3.34	↑
10:50	235	3.5	92.0	147	28.16	7.15	2395	-50.5	1.49	
11:00	270	3.5	92.00	37.8	27.85	7.11	2381	-70.8	1.53	slight hydrocarbon odor
11:15	305	3.5	92.00	6.55	28.12	7.09	2339	-68.7	1.18	
11:20	325	3.5	92.00	4.69	28.19	7.03	2370	-69.1	0.98	↓