

YIELD AND DRAWDOWN TEST REPORT

AAFB MW-7A

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Date: 2/15/2010

TIME (actual)	Time Since Pumping Start/Stop (min)	Water Level Reading (ft)	Drawdown/ Recovery (ft)	Pumping Rate (gpm)	Conducti- vity (μ S)	Chloride (mg/l)	Remarks
4-hr. Step-Drawdown Test							
10:00 AM	0	366.52			438	45.2	Sample # 1
	1	374.70	8.18				Adjust gate valve
	2	372.15	5.63				to 70 gpm
	3	368.30	1.78				
	4	368.48	1.96				
	5	369.90	3.38				
	6	369.85	3.33				
	7	369.65	3.13				
	8	368.85	2.33	70			
	9	368.88	2.36	70			
	10	368.83	2.36	70			
	15	368.78	2.26	70			
	20	368.77	2.25	70			
	25	368.74	2.22	70			
	30	368.70	2.18	70			
	35	368.68	2.16	70			
	40	368.68	2.16	70			
	45	368.62	2.10	70			
	50	368.62	2.10	70			
	55	368.41	1.89	70			
11:00 AM	1 HR	368.08	1.56		556	46.2	Sample # 2
	1	374.75	8.23				Adjust gate valve
	2	372.15	5.63				to 140 gpm
	3	370.40	3.88				
	4	369.70	3.18				
	5	374.70	8.18				
	6	373.67	7.15	140			
	7	373.08	6.56	140			
	8	372.53	6.01	140			
	9	372.40	5.88	140			
	10	372.35	5.83	140			
	15	372.05	5.53	140			
	20	372.00	5.48	140			
	25	371.97	5.45	140			
	30	371.93	5.41	140			
	35	371.93	5.41	140			
	40	371.93	5.41	140			
	45	371.93	5.41	140			
	50	371.85	5.33	140			
	55	371.60	5.08	140			
12:00 PM	2 HR	371.45	4.93	140	566	46.8	Sample # 3
	1	371.43	4.91				Adjust gate valve
	2	375.05	8.53	210			to 210 gpm

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File:

TIME (actual)	Time Since Pumping Start/Stop (min)	Water Level Reading (ft)	Drawdown/ Recovery (ft)	Pumping Rate (gpm)	Conducti- vity (μ S)	Chloride (mg/l)	Remarks
RECOVERY							
2:00 PM	0						
	1	362.40					
	2	361.80					
	3	362.48					
	4	363.72					
	5	365.56					
	6	365.56					
	7	365.52					
	8	365.58					
	9	365.62					
	10	365.67					
	15	365.82					
	20	365.96					
	25	366.26					
	30	366.26					
	35	366.30					
	40	366.30					
	45	366.40					
	50	366.46					
	55	366.46					
3:00 PM	60	366.46					
Start 24-hr. Pump Test							
3:00 PM	0				566	46.6	Sample # 5
	1	377.10	10.58				
	2	375.35	8.83	280			
	3	375.21	8.69	280			
	4	374.70	8.18	270			
	5	374.69	8.17	270			
	6	374.80	8.28	280			
	7	374.81	8.29	280			
	8	374.81	8.29	280			
	9	374.81	8.29	280			
	10	374.80	8.28	280			
	15	374.76	8.24	280			
	20	374.76	8.24	280			
	25	374.72	8.20	280			
	30	374.72	8.20	280			
	35	374.72	8.20	280			
	40	374.72	8.20	280			
	45	374.72	8.20	280			

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File:

TIME (actual)	Time Since Pumping Start/Stop (min)	Water Level Reading (ft)	Drawdown/ Recovery (ft)	Pumping Rate (gpm)	Conducti- vity (μ S)	Chloride (mg/l)	Remarks
	50	374.72	8.20	280			
	55	374.72	8.20	280			
4:00 PM	60	374.72	8.20	280	561	46.6	Sample # 6
	90	374.72	8.20	280			
5:00 PM	120	374.72	8.20	280	562	47.8	Sample # 7
	150	374.72	8.20	280			
6:00 PM	180	374.72	8.20	280	564	48.7	Sample # 8
	210	374.72	8.20	280			
7:00 PM	240	374.72	8.20	280	568	48.5	Sample # 9
	270	374.72	8.20	280			
8:00 PM	300	374.70	8.18	280	565	49.4	Sample # 10
	330	374.70	8.18	280			
9:00 PM	360	374.72	8.20	280	567	50.0	Sample # 11
	390	374.72	8.20	280			
10:00 PM	420	374.71	8.19	280	568	50.6	Sample # 12
	450	374.71	8.19	280			
11:00 PM	480	374.71	8.19	280	568	50.9	Sample # 13
	510	374.71	8.19	280			
12:00 AM	540	374.71	8.19	280	571	51.9	Sample # 14
	570	374.70	8.18	280			
1:00 AM	600	374.78	8.26	280	576	50.4	Sample # 15
	630	374.82	8.30	280			
2:00 AM	660	374.80	8.28	280	578	51.5	Sample # 16
	690	374.78	8.26	280			
3:00 AM	720	374.79	8.27	280	574	52.5	Sample # 17
	750	374.78	8.26	280			
4:00 AM	780	374.78	8.26	280			
	810	374.78	8.26	280			
5:00 AM	840	374.78	8.26	280	574	53.0	Sample # 18
	870	374.70	8.18	280			
6:00 AM	900	374.70	8.18	280			
	930	374.82	8.30	280			
7:00 AM	960	374.82	8.30	280	573	53.6	Sample # 19
	990	374.60	8.08	280			
8:00 AM	1020	375.20	8.68	280			
	1050	375.60	9.08	280			
9:00 AM	1080	375.60	8.98	280	577	54.0	Sample # 20
	1110	375.60	8.98	280			
10:00 AM	1140	375.95	9.43	280			
	1170	375.97	9.45	280			
11:00 AM	1200	375.90	9.38	280	579	53.9	Sample # 21
	1230	375.80	9.28	280			
12:00 PM	1260	375.70	9.18	280			
	1290	375.72	9.20	280			



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Water and Environmental Research Institute
of the Western Pacific

March 2, 2010

Marianas Drilling, Inc.
P.O. Box 8170
Tamuning, Guam 96931

Phone: 646 -7710

Fax: 646 - 6600

Twenty-three samples were delivered to the WERI lab on 01 Mar 2010.

Samples were from MW-7 AAFB, Marbo, Yigo.

Comments: 24 hr. pump test.

Sample	Date	Time	Chloride	Conductivity
Location ID	Collected	Collected	mg/L	µS
Sample #1	2/25/2010	10:00 AM	45.2	438
Sample #2	2/25/2010	11:00 AM	46.2	556
Sample #3	2/25/2010	12:00 PM	46.8	566
Sample #4	2/25/2010	1:00 PM	47.7	563
Sample #5	2/25/2010	3:00 PM	46.6	566
Sample #6	2/25/2010	4:00 PM	46.6	561
Sample #7	2/25/2010	5:00 PM	47.8	562
Sample #8	2/25/2010	6:00 PM	48.7	564
Sample #9	2/25/2010	7:00 PM	48.5	568
Sample #10	2/25/2010	8:00 PM	49.4	565
Sample #11	2/25/2010	9:00 PM	50	567
Sample #12	2/25/2010	10:00 PM	50.6	568



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Sample Location ID	Date Collected	Time Collected	Chloride mg/L	Conductivity µS
Sample #13	2/25/2010	11:00 PM	50.9	568
Sample #14	2/26/2010	12:00 AM	51.9	571
Sample #15	2/26/2010	1:00 AM	50.4	576
Sample #16	2/26/2010	2:00 AM	51.5	578
Sample #17	2/26/2010	3:00 AM	52.5	574
Sample #18	2/26/2010	5:00 AM	53	574
Sample #19	2/26/2010	7:00 AM	53.6	573
Sample #20	2/26/2010	9:00 AM	54.0	577
Sample #21	2/26/2010	11:00 AM	53.9	579
Sample #22	2/26/2010	1:00 PM	54.2	580
Sample #23	2/26/2010	3:00 PM	54.4	580

Sincerely,

Jennifer O. Cruz