

MARIANAS DRILLING, INC.
Environmental & Water Well Drillers
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YIELD AND DRAWDOWN TEST REPORT
AAFB MW-7A

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LOCATION: COORDINATES:	<u>N660982.6327</u> <u>E371762.4123</u>	STATIC WATER LEVEL	<u>365.50 feet</u>
SURFACE ELEVATION:	<u>367.67 feet</u>	RATE OF PUMPING: GPM	<u>280, 330, 380</u>
DEPTH OF WELL:	<u>407.60 feet</u>	SIZE OF WEIR(ORIFICE):	<u>4 inches</u>
PUMP SIZE AND MAKE:	<u>7-Stage</u>	SIZE OF EDUCATOR PIPE:	<u>4 inches</u>
DRIVER:	<u>75 HP</u>	METHOD OF MEASURING WATER LEVEL:	<u>Electronic Water Level Meter</u>
DATE PUMPING STARTED:	<u>9/6/2011</u>	AVERAGE DRAWDOWN:	<u>23.51 feet</u>
DATE PUMPING FINISHED:	<u>9/6/2011</u>	TIME FOR STABILIZATION:	<u>48.0 minutes</u>
PUMP INTAKE SETTING:	<u>-27.0 feet</u>	TIME FOR 90% RECOVERY:	<u>3.0 minutes</u>
DEPTH TO TOP OF SCREEN:	<u>-0 feet</u>	TIME FOR 100% RECOVERY:	<u>5.0 minutes</u>
SIZE SCREEN OPENING(S):	<u>0.100-inch</u>	REMARKS (SUCH AS QUALITY OF WATER MAXIMUM DRAWDOWN PERSONNEL):	<u>No water samples taken</u>

AMOUNT OF SAND 1ST HR OF PUMPING _____
 AMOUNT OF SAND 2ND HR OF PUMPING _____
 NUMER AND LOCATION-OBSERVATION WELLS: _____

CONTRACTOR MARIANAS DRILLING, INC.
 TYPE OF TEST 2 hr. pump test
 MEASURING POINT: Top of PVC sounding tube

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File: SWL 365.50 feet

Date: 9/6/2011

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
2 HOUR PUMP TEST							
9:30AM	0	365.50					
	1	388.25	22.75				
	2	382.35	16.85	280			
	3	379.65	14.15	280			
	4	378.56	13.06	280			
	5	378.20	12.70	280			
	6	378.15	12.65	280			
	7	378.75	13.25	280			
	8	378.95	13.45	280			
	9	379.00	13.50	280			
	10	378.95	13.45	280			
	12	378.95	13.45	280			
	14	379.00	13.50	280			
	16	379.05	13.55	280			
	18	379.07	13.57	280			
	20	379.05	13.55	280			
	22	379.00	13.50	280			
	24	378.98	13.48	280			
	26	378.95	13.45	280			
	28	378.95	13.45	280			
10:00AM	30	378.95	13.45	280			
	0						
	1	388.28	22.78	340			
	2	388.45	22.95				
	3	388.25	22.75	330			
	4	388.24	22.74	330			
	5	388.25	22.75	330			
	6	388.30	22.80	330			
	7	388.27	22.77	330			
	8	388.44	22.94	330			
	9	388.27	22.77	330			
	10	388.26	22.76	330			
	12	388.26	22.76	330			
	14	388.44	22.94	330			
	16	388.42	22.92	330			
	18	388.32	22.82	330			
	20	388.40	22.90	330			
	22	388.25	22.75	330			
	24	388.28	22.78	330			
	26	388.25	22.75	330			
	28	388.27	22.77	330			
10:30AM	30	388.32	22.82	330			

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Date: 9/6/2011

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
10:30AM	0						
	1	388.98	23.48	350			
	2	389.05	23.55	380			
	3	389.05	23.55	380			
	4	389.05	23.55	380			
	5	389.05	23.55	380			
	6	389.05	23.55	380			
	7	389.05	23.55	380			
	8	389.05	23.55	380			
	9	389.05	23.55	380			
	10	389.05	23.55	380			
	12	389.05	23.55	380			
	14	389.05	23.55	380			
	16	389.05	23.55	380			
	18	389.05	23.55	380			
	20	389.05	23.55	380			
	22	389.05	23.55	380			
	24	389.05	23.55	380			
	26	389.05	23.55	380			
	28	389.05	23.55	380			
	30	389.05	23.55	380			
	40	389.05	23.55	380			
	50	389.05	23.55	380			
11:30AM	60	389.05	23.55	380			
	RECOVERY						
11:30AM	0						
	1		361.77				
	2		363.90				
	3		365.38				
	4		365.35				
	5		365.38				
	6		365.40				
	7		365.40				
	8		365.40				
	9		365.40				
	10		365.40				
	15		365.40				
	20		365.40				
	25		365.40				
	30		365.40				
	35		365.40				
	40		365.40				
	45		365.40				
	50		365.40				
	55		365.40				
	60		365.40				