



Table 2: Bit Hydraulics Summary

Tables

<div></div>										<h1>Bit Hydraulics Summary</h1>										<div></div>				
Operator OMV Australia					Well Name Baleen - 4					Location VIC/L21		Drilling Contractor Diamond Offshore					Rig Ocean Bounty							
Drillstring Abbreviations <div><div>N Normal M MWD</div><div>P Positive Displacement Motor A Adjustable Gauge Stabilizer</div><div>R Rotary Steerable C Core</div></div>										Hydraulics Models <div>Power Law Model used for drilling with Mud Bingham Model used for coring and drilling with sea water</div>														
Bit No.	Depth <i>(m)</i>	Hole Size <i>in</i>	Jets <i>x 1/32"</i>	Drill String Type	Mud Type	Mud Density <i>ppg</i>	PV <i>cP</i>	YP <i>lbs/100 ft sq</i>	Flow Rate <i>gpm</i>	Jet Vel <i>m/sec</i>	Impact Force <i>lbf</i>	Hydraulic Power <i>hhp</i>	H S I <i>HP/in2</i>	Bit Loss <i>Psi</i>	SPP Loss <i>%</i>	Pipe Loss <i>Psi</i>	ECD <i>ppg</i>	Annular Velocities						
																		DP OH <i>m/min</i>	DC OH <i>m/min</i>	DC Critical <i>m/min</i>				
12.25" Hole Section																								
NB1	254.5	12.25"	3 x 24	N	seawater	8.60	2	2	801	59.1	10.7	198.1	1.0	251	59.1	57	8.62	46.3	72.1	73.0				
RR1.1	254.5	12.25"	3 x 24	N	Synthetic oil based	9.30	28	28	900	66.4	8.0	399.9	1.6	343	44.9	162	9.59	52.1	53.8	82.0				
NB2	733.0	12.25"	3 x 24, 1 x 19	PM	Synthetic oil based	9.55	35	33	928	65.3	8.3	1187.3	1.6	340	15.5	412	10.09	55.4	62.5	80.6				
NB3	1890	12.25"	4 x 18, 3 x 16	RM	Synthetic oil based	9.80	37	31	900	55.6	7.1	1278.7	1.1	253	10.4	1180	10.45	53.8	60.6	78.1				
8.5" Hole Section																								
NB4	2011	8.5"	3 x 22	PMA	Water based KCL/Brine	9.10	7	26	600	52.7	8.6	879.0	1.3	210	8.4	301	10.40	83.0	94.9	158.1				
NB5	2290	8.5"	2 x 24	RMA	Water based KCL/Brine	9.80	11	26	650	58.3	11.0	1002.4	2.1	340	11.9	422	10.90	94.9	167.9	119.0				