



RIG MONITORING
PRESSURE LOG 1:2500

Country : Australia
Field : Halladale
Location : Lat: 38° 34' 45.54" South
Long: 142° 43' 50.95" East
Well : Halladale-1 DW2
Company : Woodside Energy Ltd
Rig : Ocean Patriot

LOCATION

Latitude : 38° 34' 45.54" South
Longitude : 142° 43' 50.95" East
UTM Easting = 650,763.20 m
UTM Northing = 5,728,485.20 m

Other Services
FEWD
Directional Drilling

Permanent Datum : LAT
Log Measured From : Drill Floor
Drilling Measured From : Drill Floor

Elevation : 0.00 m
21.50 m Above Permanent Datum
TVD LOG

Elev. KB 0.00 m
DF 21.50 m
GL 0.00 m
WD 44.80 m

Depth Logged : 66.30 m To 1,941.00 m

Date Logged : 10-Apr-05 To 17-Apr-05

Total Depth MD : 1,941.00 m TVD : 1,879.96 m

Spud Date : 10-Apr-05 Plot Type : Final
Plot Date : 28-Jun-05



















Unit No. : 197
Job No. : AU-FE-0003325468





















Run No.	Size	Borehole Record (TVD) From	To	Run No.	Size	Borehole Record (TVD) From	To
1	914,000 mm	66.28 m	68.98 m				
2	444,000 mm	68.98 m	101.00 m				
3	444,000 mm	101.00 m	426.85 m				
4	311,000 mm	426.85 m	838.62 m				
5	216,000 mm	838.62 m	852.57 m				
6	216,000 mm	852.57 m	1,481.73 m				
7	216,000 mm	1,481.73 m	1,755.00 m				
8	216,000 mm	1,755.00 m	1,780.19 m				
9	216,000 mm	1,780.19 m	1,879.96 m				

LEGEND

Abbreviations and Symbols

Lithology Symbols

Drilling Data		Mud Data							
BG	Background Gas	Cl-	Chloride Ion Conc	Rm	Mud Resistivity				
BHT	Bottomhole Temp	FC	Filter Cake	Rmf	Filtrate Resistivity				
C	Carbide Test	FL	Filtrate Loss	S	Solids Content				
CB	Core Bit	G	Gels	Vis	Funnel Viscosity				
CG	Connection Gas	pH	Hydrogen Ion Content	MW	Mud Weight				
CKF	Check For Flow	PV	Plastic Viscosity	YP	Yield Point				
CO	Circulate Out	<div>Engineering Data</div> <div><div> Core No.</div><div> DST No.</div><div> Casing Seat</div><div> Side Wall Core</div><div> Gas Traces</div><div> Gas</div><div> Oil Traces</div><div> Oil</div><div> Bitumen</div><div> Water</div><div> Salt Water</div><div> Fresh Water</div><div> Hydrocarbons Smell</div><div> H2S Smell</div><div> Interval Tester</div><div> Wireline Log Run</div><div> Leakoff Test</div><div> Pressure Integrity Test</div></div>							
DB	Diamond Bit								
DC	Depth Correction								
DS	Direction Survey								
DST	Drillstem Test								
FLT	Flowline Temp.								
LAT	Logged After Trip								
NB	New Bit								
NR	No Returns								
PDC	Polycrystalline Diamond								
	Compound Bit								
PR	Partial Returns								
RPM	Revs Per Minute								
RRB	Rerun Bit								
STG	Short Trip Gas								
TB	Turbo Drill								
TG	Trip Gas								
U	Gas Units								
WOB	Weight On Bit								

	Sandstone	
	Calcareous Sandstone	
	Glauconitic Sandstone	
	Silty Sandstone	
	Argillaceous Sandstone	
	Siltstone	
	Sandy Siltstone	
	Argillaceous Siltstone	
	Claystone	
	Clacareous Claystone	

GAMMA (api)			MUD IN (sg)	RESISTIVITY (DEEP) ohm-m	TEMP IN (degC)	
150 12.5 75 37.5 0	DEPTH mTVD 1:2500	INTERPRETED LITHOLOGY	1 1.2 1.4 1.6 1.8 2	0.1 1 10 100	0 20 40 60 80 100	
ROP (m/hr)			ECD (sg)	RESISTIVITY (SHALLOW) ohm-m	TEMP OUT (degC)	
200 150 100 50 0			1 1.2 1.4 1.6 1.8 2	0.1 1 10 100	0 20 40 60 80 100	
				DXC		TOTAL GAS (%)
				0.01 0.1 1 10		0.01 0.1 1 10 100
22/03/05 Bit 1RR2 914 mm Varel L111 Jets: 3x32 TFA: 2.36 In/Out: 66.3/69.0 mMDRT Drilled: 2.7 m HOB: 0.4 Bit Grading: Notgraded	50					
23/03/05 Bit 2 445 mm HC MX1 w/ 914 mm Hole Opener Jets: 2x20, 1x18 TFA: 0.86 In/Out: 69.0/101.5 mMDRT Drilled: 32.5 m HOB: 5.0 Bit Grading: 1-1-NOT-A-E-I-NOT-TD	100					RT - LAT 21.5 m Water Depth 44.8 m RT - Seabed 66.3 m Spud Halladale-1 DW1 (Location Black Watch) @ 66.3 mMDRT 12:30 hrs 22/03/05.
24/03/05 Bit 3 445 mm HC MX1 Jets: 2x20, 1x18 TFA: 0.86 In/Out: 101.5/427.0 mMDRT Drilled: 325.5 m HOB: 6.7 Bit Grading: 1-1-WTA-1-I-NOT-TD	150					Drill Halladale-1 DW1 (Location Black Watch) 914 mm (36") hole section to 101.0 mMDRT @ 12:30 hrs on 22/03/05.
	200					762 mm (30") csg set @ 99.5 mMDRT.
	250					
	300					Pore pressure data estimated from data supplied with well program.
	350					
	400					
25-27/03/05 Bit 4 311 mm HC MX CO3 Jets: 2x20, 1x18 TFA: 0.86 In/Out: 427.0/539.0 mMDRT Drilled: 412.0 m HOB: 8.4 Bit Grading: Notgraded	450					TD 445 mm (17½") hole section @ 427.0 mMDRT @ 19:32 hrs on 24/03/05. 340 mm (13 3/8") casing shoe set @ 421.0 mMDRT (420.98 TVD) F.I.T. 421 mMDRT 1.5 sg (12.495 ppg) EMW using 1.03 sg (8.58 ppg) Sea Water
	500					

