



**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 DW3  
Company : Woodside Energy Ltd  
Rig : Ocean Patriot

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Well : Halladale -1 DW3  
Field : Halladale  
Country : Australia  
DOE Number :  
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

Depth Logged : 66.30 m To 1,969.00 m  
Date Logged : 22-Mar-05 To 23-Apr-05  
Unit No. : 197  
Job No. : AU-FE-0003325469



















Total Depth MD : 1,969.00 m  
Spud Date : 22-Mar-05  
TVD : 1,881.61 m  
Plot Type : Final  
Plot Date : 28-Jun-05

Run No.	Size	Borehole Record (TVD)	Run No.	Size	Borehole Record (TVD)
1	914.000 mm	From 66.30 m To 69.00 m			
2	444.000 mm	69.00 m To 101.00 m			
3	444.000 mm	101.00 m To 426.98 m			
4	311.000 mm	426.98 m To 838.62 m			
5	216.000 mm	838.62 m To 852.56 m			
6	216.000 mm	852.56 m To 1,189.09 m			
7	216.000 mm	1,189.09 m To 1,881.61 m			

Run No.	Size	Casing Record (TVD)	Run No.	Size	Borehole Record (TVD)
		From To			
	762.000 mm	458.00 kgpm			
	340.000 mm	101.00 kgpm			
	244.000 mm	70.00 kgpm			
		SURFACE			
		SURFACE			
		99.50 m			
		420.98 m			
		833.63 m			

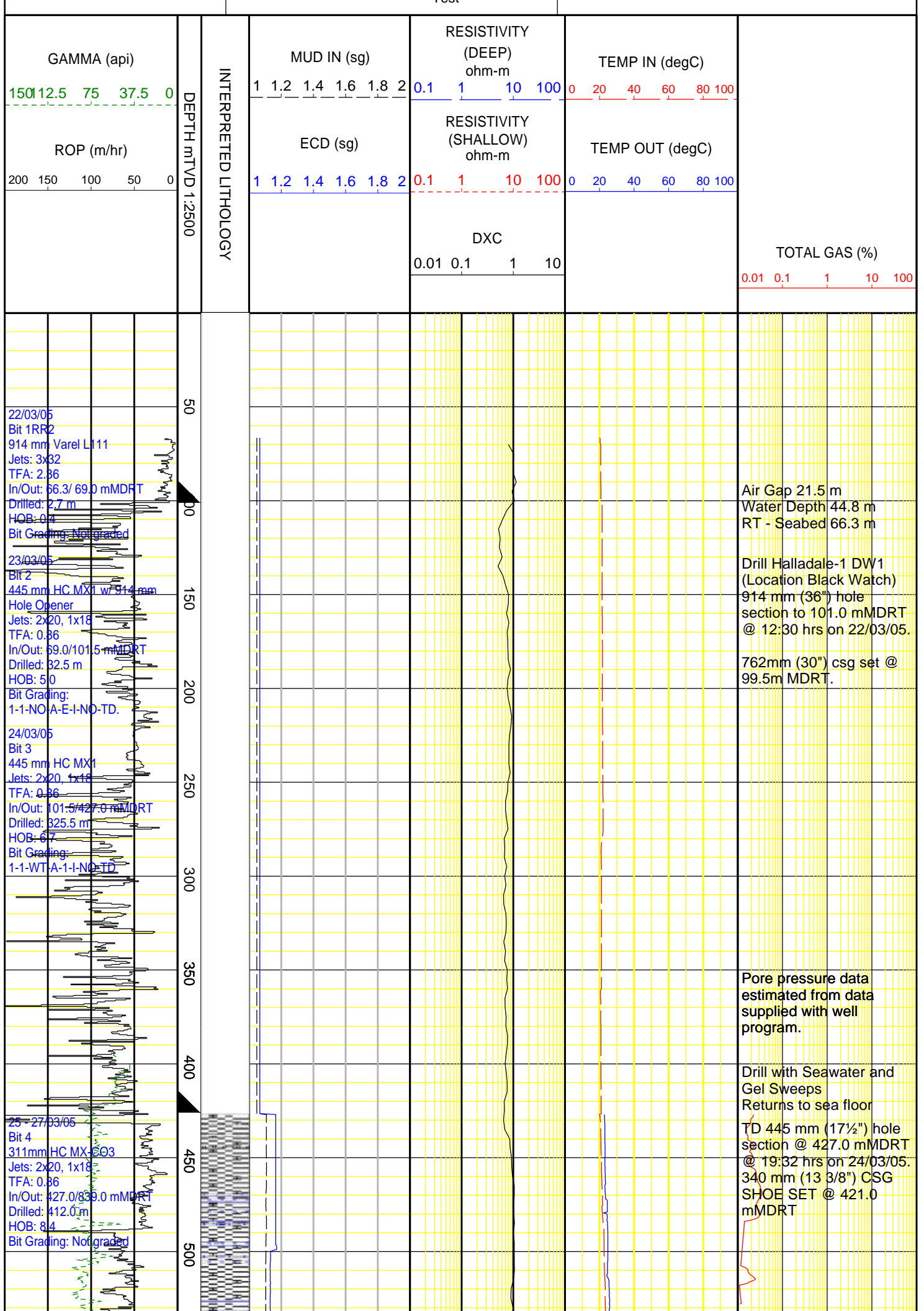
**LEGEND**

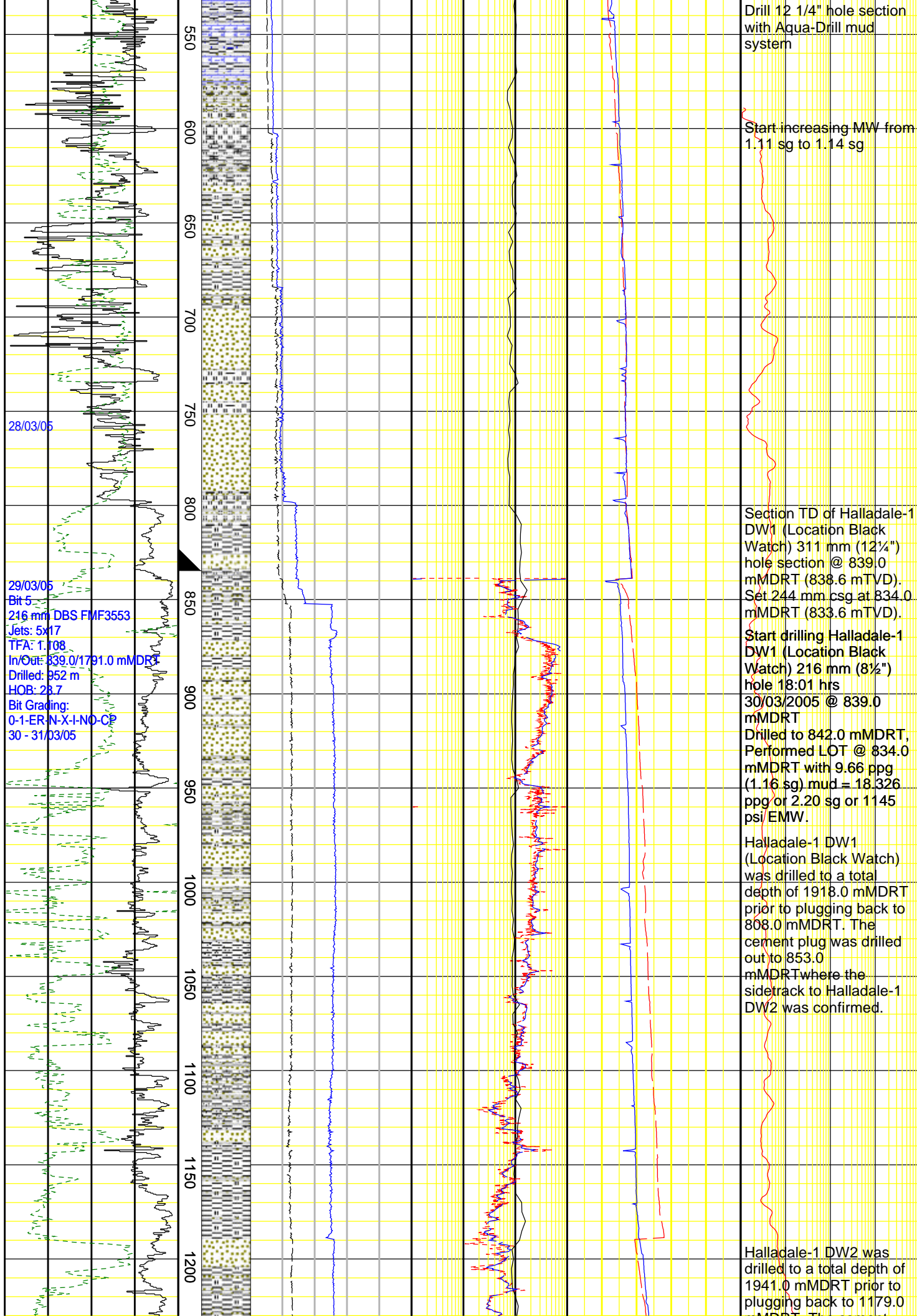
**Abbreviations and Symbols**

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				

**Lithology Symbols**

	Sandstone		Sandy Claystone
	Calcareous Sandstone		Silty Claystone
	Glaucconitic Sandstone		Calcarenite
	Silty Sandstone		Argillaceous Calcarenite
	Argillaceous Sandstone		Sandy Calcarenite
	Siltstone		Calcsiltite
	Sandy Siltstone		Calcilutite
	Argillaceous Siltstone		Argillaceous Calcilutite
	Claystone		Limestone
	Clacareous Claystone		Dolomite





Drill 12 1/4" hole section with Aqua-Drill mud system

Start increasing MW from 1.11 sg to 1.14 sg

28/03/05

29/03/05  
Bit 5  
216 mm DBS FMF3553  
Jets: 5x17  
TFA: 1.108  
In/Out: 839.0/1791.0 mMDRT  
Drilled: 952 m  
HOB: 28.7  
Bit Grading:  
0-1-ER-N-X-I-NO-CP  
30 - 31/03/05

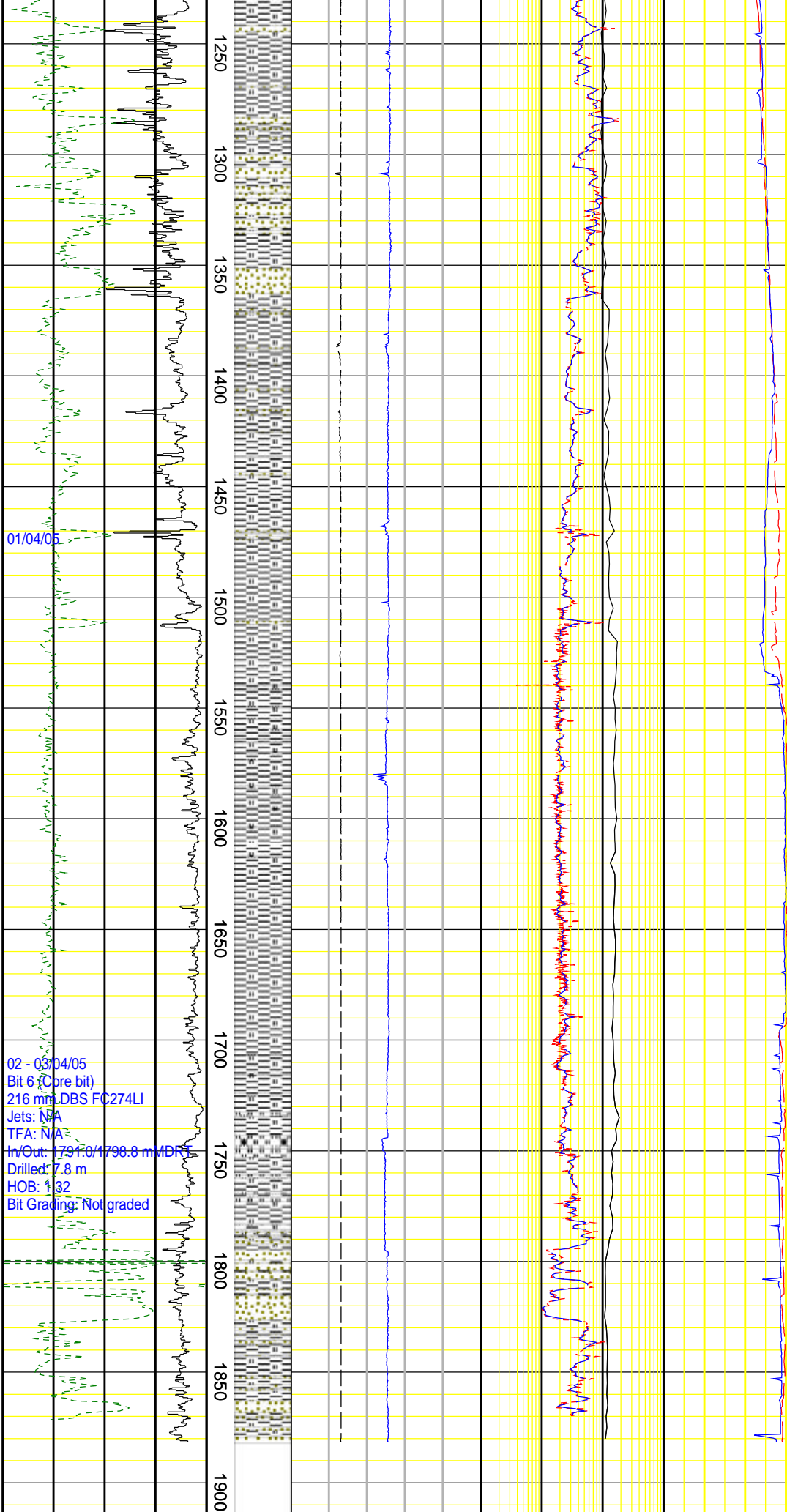
Section TD of Halladale-1 DW1 (Location Black Watch) 311 mm (12 1/4") hole section @ 839.0 mMDRT (838.6 mTVD). Set 244 mm csg at 834.0 mMDRT (833.6 mTVD).

Start drilling Halladale-1 DW1 (Location Black Watch) 216 mm (8 1/2") hole 18:01 hrs 30/03/2005 @ 839.0 mMDRT  
Drilled to 842.0 mMDRT, Performed LOT @ 834.0 mMDRT with 9.66 ppg (1.16 sg) mud = 18,326 ppg or 2.20 sg or 1145 psi EMW.

Halladale-1 DW1 (Location Black Watch) was drilled to a total depth of 1918.0 mMDRT prior to plugging back to 808.0 mMDRT. The cement plug was drilled out to 853.0 mMDRT where the sidetrack to Halladale-1 DW2 was confirmed.

Halladale-1 DW2 was drilled to a total depth of 1941.0 mMDRT prior to plugging back to 1179.0 mMDRT.

mMDRT. The cement  
plug was drilled out to  
1197.0 mMDRT where  
the sidetrack to DW3 was  
confirmed.



Well TD 216 mm (8½")  
hole section @ 1969.0  
mMDRT (1881.6 mTVD)  
on 24/04/05 @ 15:14 hrs.

Wireline logs run at TD.  
Run 1: RCI-GR  
(10 Pressures)

[illegible]