



RIG MONITORING
DRILLING LOG 1:1000

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

Company : Woodside Energy Ltd
Rig : Ocean Patriot
Well : Halladale-1 DW2
Field : Halladale
Country : Australia
DOE Number :
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

Elevation : 0.00 m

Elev. KB 0.00 m

Log Measured From : Drill Floor

21.50 m Above Permanent Datum

DF 21.50 m

Drilling Measured From : Drill Floor

MD LOG

GL 0.00 m
WD 44.80 m

Depth Logged : 66.30 m To 1,941.00 m

Unit No. : 197

Job No. : AU-FE-0003325468

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

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

Plot Type : Final
Plot Date : 28-Jun-05

Run No.	Size	Borehole Record (MD)
1	914,000 mm	From 66.30 m To 69.00 m
2	444,000 mm	69.00 m 101.00 m
3	444,000 mm	101.00 m 427.00 m
4	311,000 mm	427.00 m 839.00 m
5	216,000 mm	839.00 m 853.00 m
6	216,000 mm	853.00 m 1,514.00 m
7	216,000 mm	1,514.00 m 1,808.00 m
8	216,000 mm	1,808.00 m 1,835.00 m
9	216,000 mm	1,835.00 m 1,941.00 m

Run No.	Size	Borehole Record (MD)
		From To

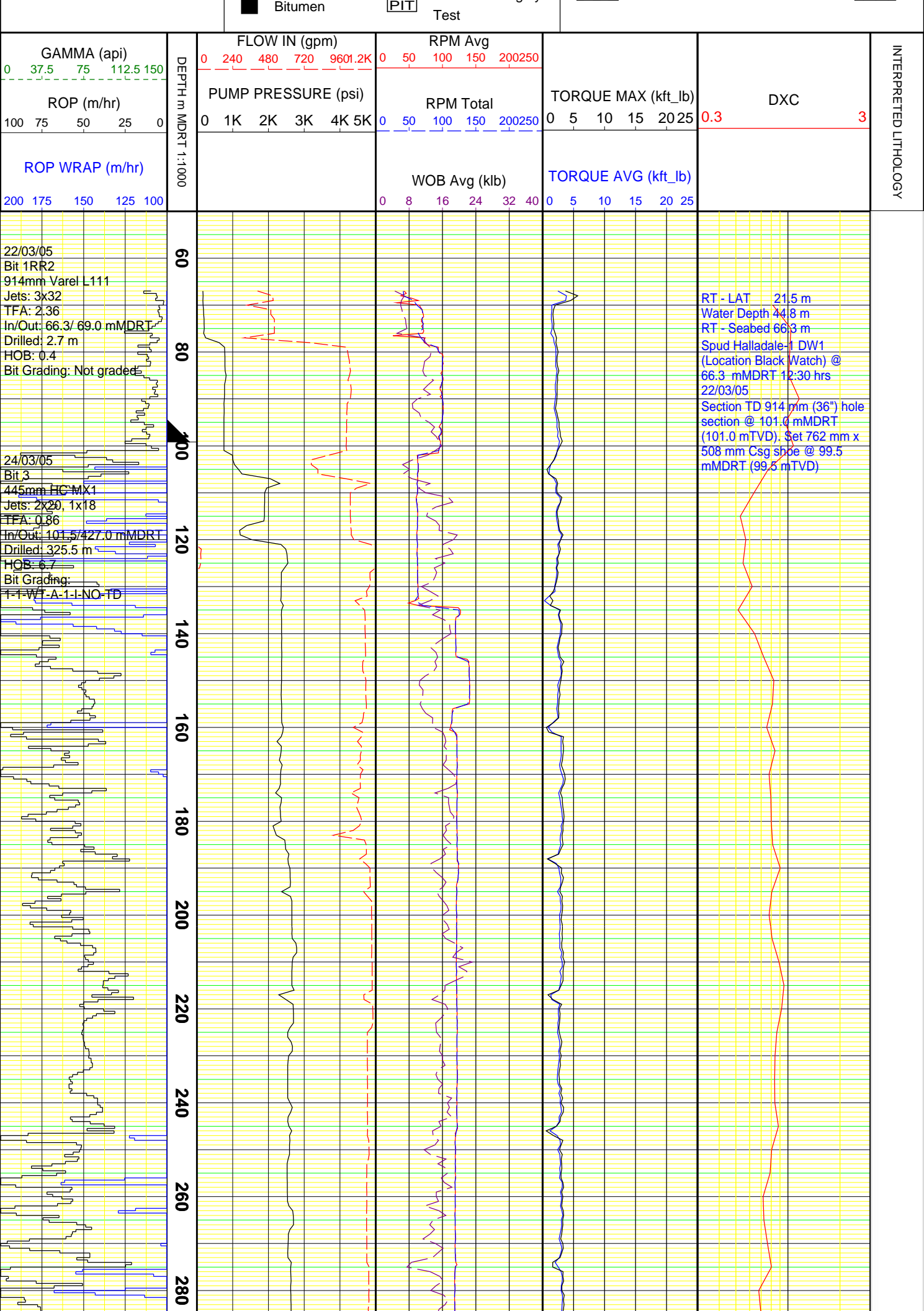
LEGEND

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	Engineering Data			
DB	Diamond Bit	Core No.	Water		
DC	Depth Correction	DST No.	Salt Water		
DS	Direction Survey	Casing Seat	Fresh Water		
DST	Drillstem Test	Side Wall Core	Hydrocarbons Smell		
FLT	Flowline Temp.	Gas Traces	H2S Smell		
LAT	Logged After Trip	Gas	Interval Tester		
NB	New Bit	Oil Traces	Wireline Log Run		
NR	No Returns	Oil	Leakoff Test		
PDC	Polycrystalline Diamond		Pressure Integrity		
	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

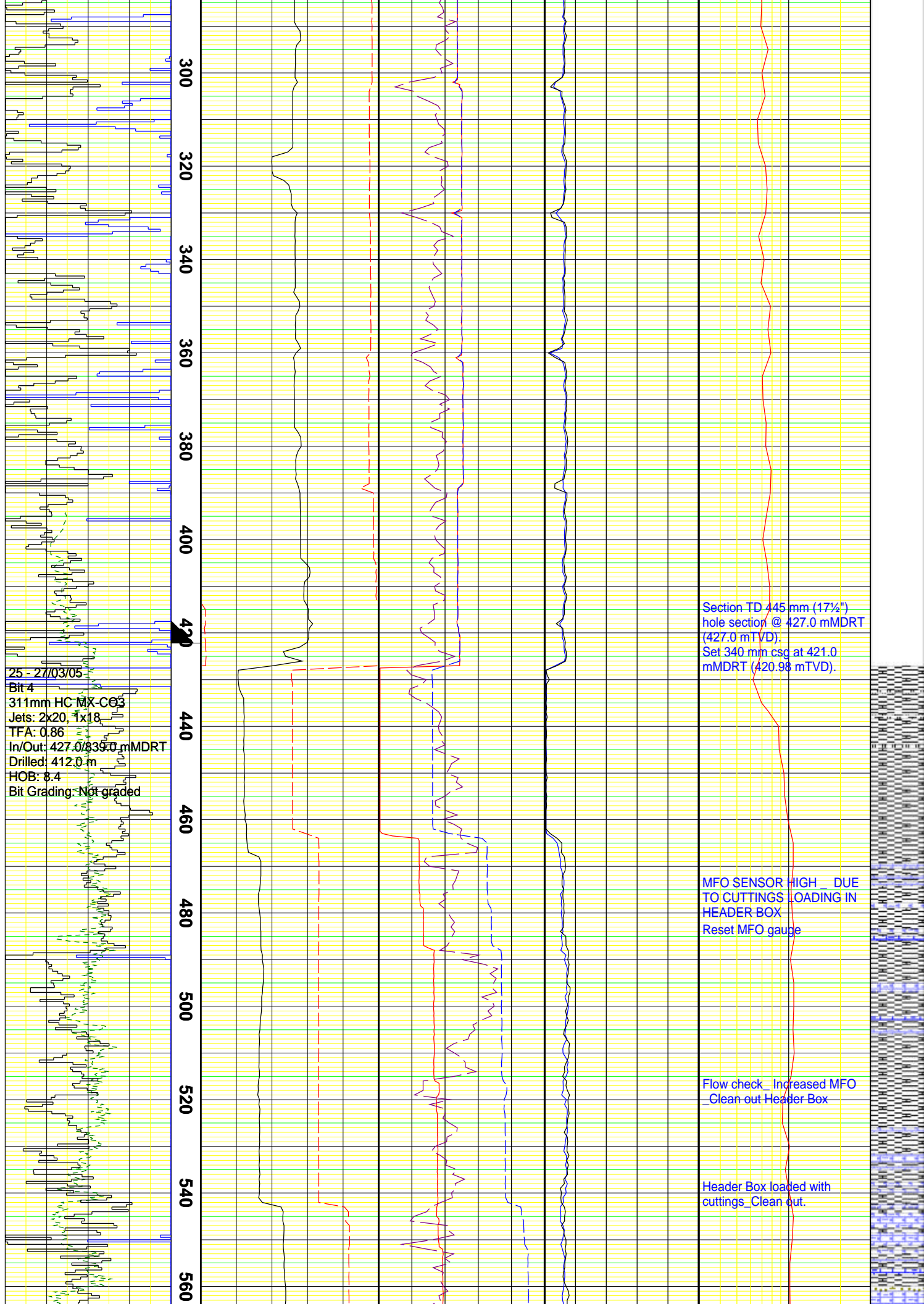
	Sandstone		Sandy Claystone
	Calcareous Sandstone		Silty Claystone
	Glaucconitic Sandstone		Calcarenite
	Silty Sandstone		Argillaceous Calcarenite
	Argillaceous Sandstone		Sandy Calcarenite
	Siltstone		Calcisiltite
	Sandy Siltstone		Calcilutite
	Argillaceous Siltstone		Argillaceous Calcilutite
	Claystone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

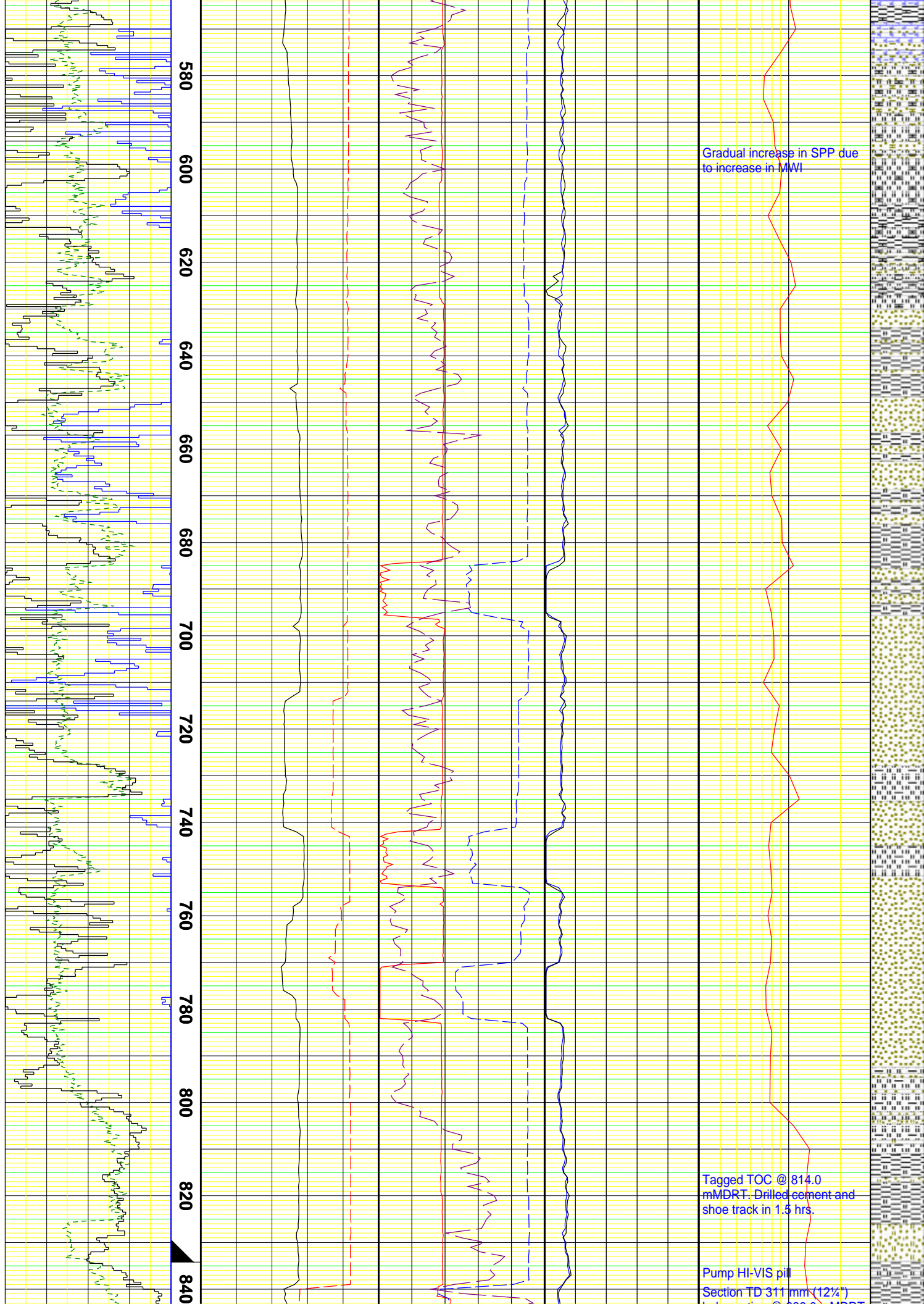


22/03/05
Bit 1RR2
914mm Varel L111
Jets: 3x32
TFA: 2.36
In/Out: 66.3/ 69.0 mMDRT
Drilled: 2.7 m
HOB: 0.4
Bit Grading: Not graded

24/03/05
Bit 3
445mm 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-WT-A-1-I-NO-TD

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
Section TD 914 mm (36") hole
section @ 101.0 mMDRT
(101.0 mTVD). Set 762 mm x
508 mm Csg shoe @ 99.5
mMDRT (99.5 mTVD)





10/04/05
Bit 1
216mm SMITH
MA89BCTVPX PDC
Jets: 6 x 16
TFA: 1.178
In/Out: 853.0/1514.0
mMDRT
Drilled: 661.0 m
HOB: 35.2
Bit Grading:
1-2-BU-A-X-I-CT-D-L

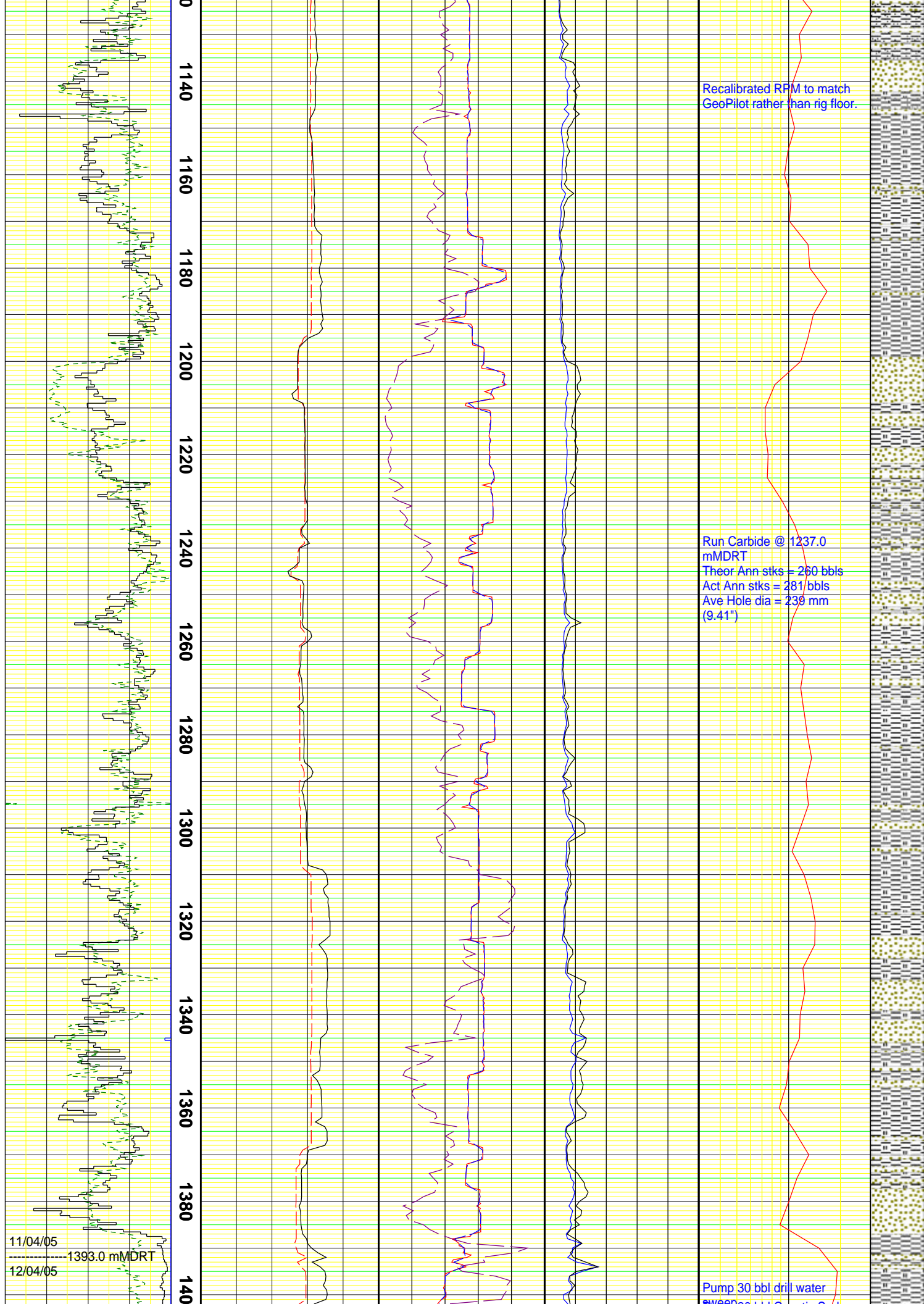
10/04/05
11/04/05

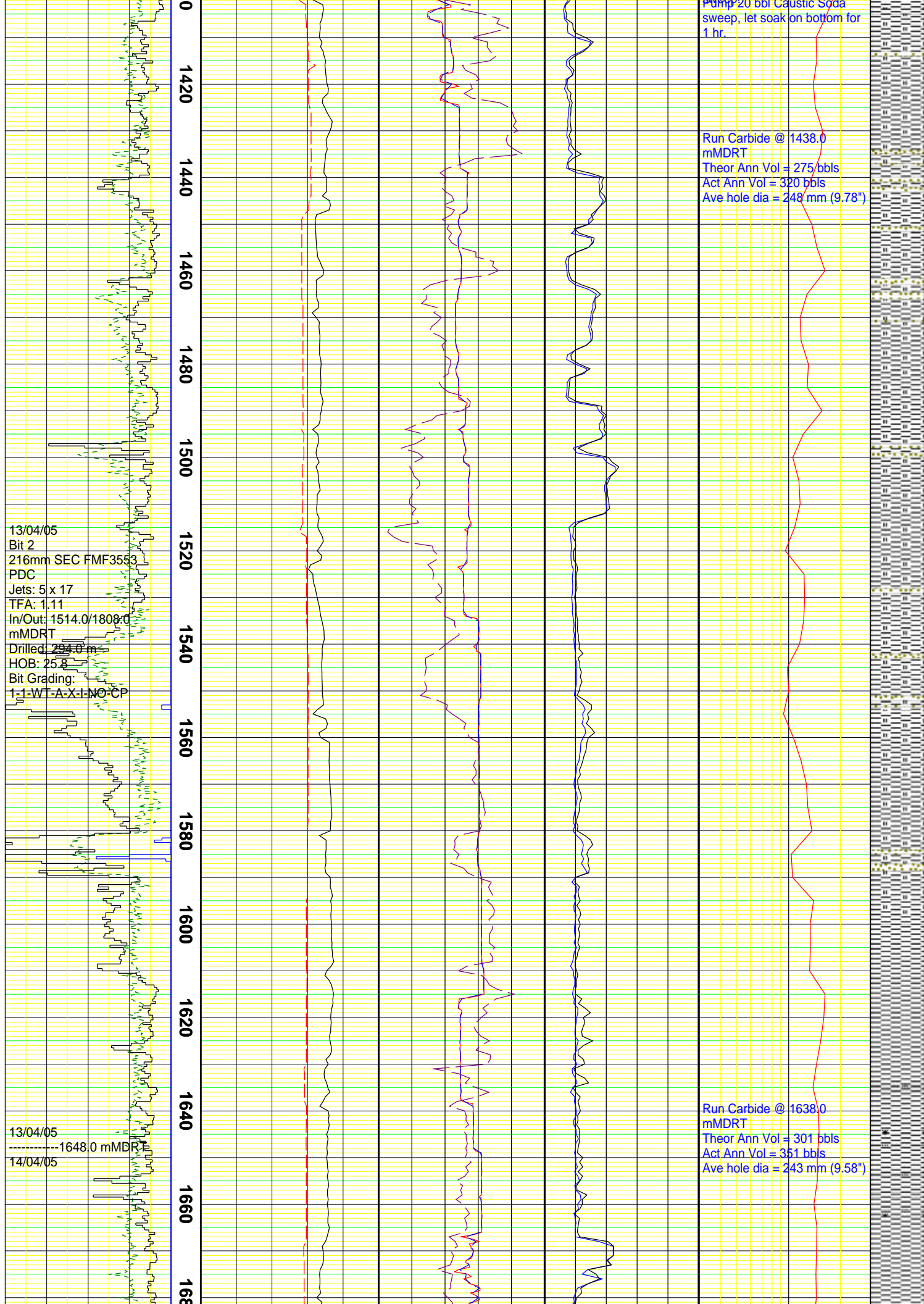
889.0 mMDRT

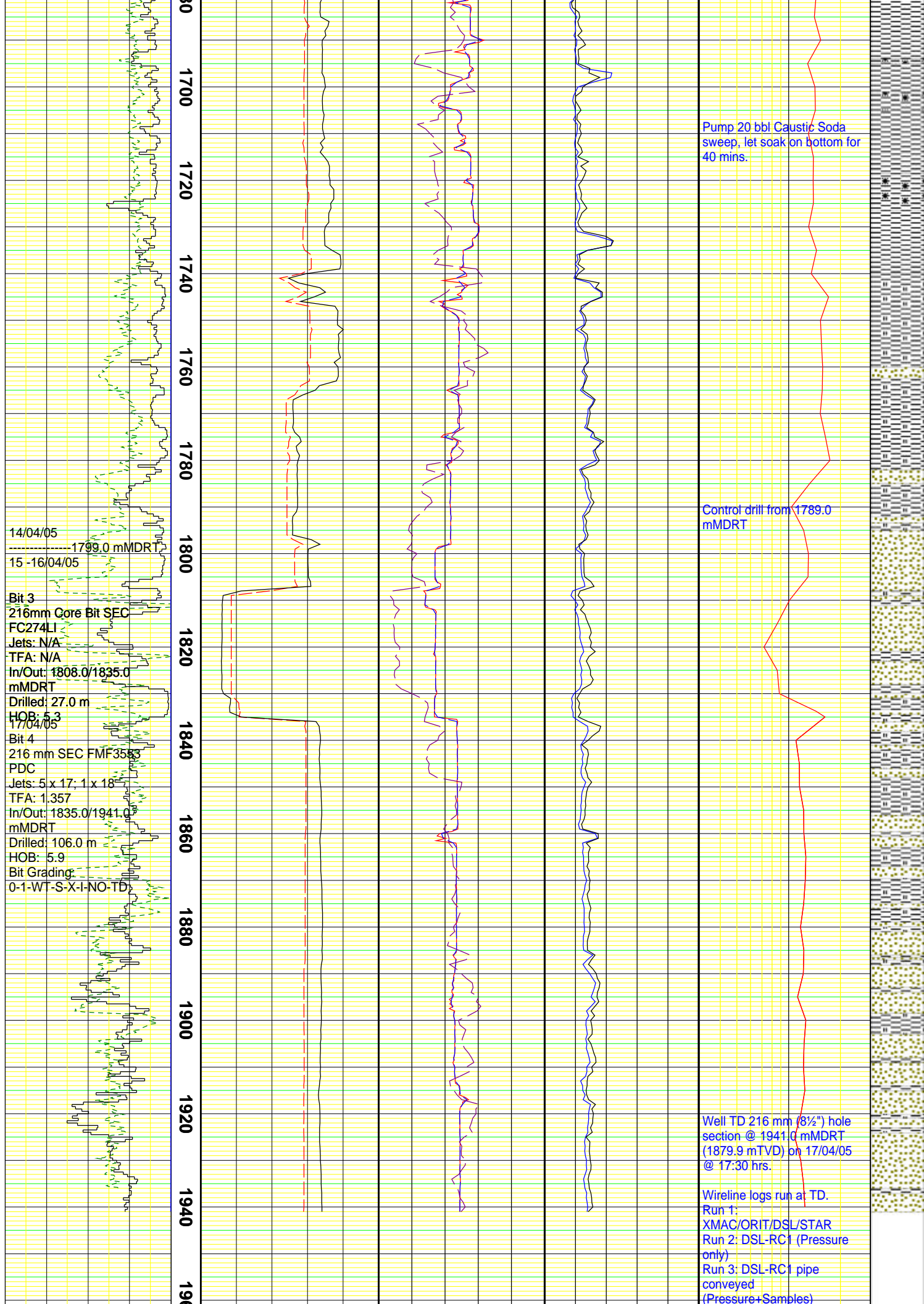
860
880
900
920
940
960
980
1000
1020
1040
1060
1080
1100
1120

hole section @ 839.0 mMDRT
(838.6 m TVD).
Set 244 mm csg at 834.0
mMDRT (833.6 m TVD).

Start drilling Halladale-1 DW1
(Location Black Watch) 216
mm (8½") hole 18:01 hrs
30/03/2005 @ 839.0 mMDRT
Drilled to 842.0 mMDRT,
Performed LOT @ 834.0
mMDRT (EMW= 2.20 sg).
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 then drilled out to 853.0
mMDRT where the sidetrack
to Halladale-1 DW2 was
confirmed at 21:30 hrs on
10/04/2005.







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