



Company : Woodside Energy Limited

Well : Somerset-1

Interval : 496.00 - 1296.41 meters

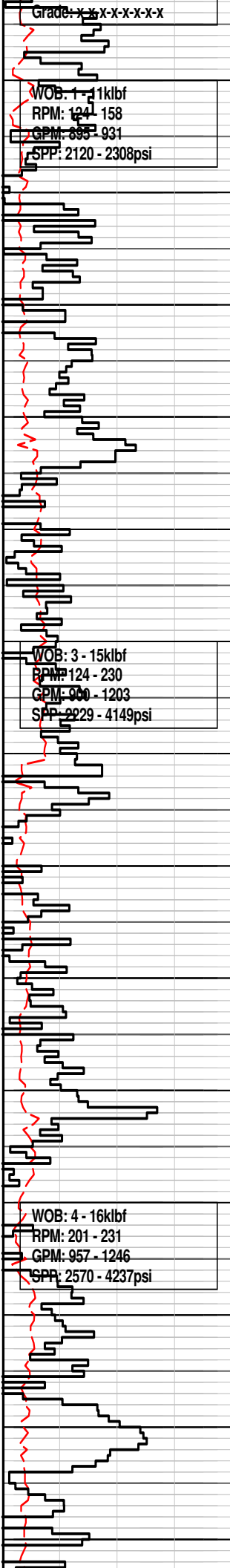
Created : 21/Oct/2009 9:44:27 AM



INTEQ

FORMATION EVALUATION LOG

WOB (klbf) ROP (m/hr)		MD meters CORE	LITHOLOGY %	INTERPRETED LITHOLOGY	TOTAL GAS & RESISTIVITY	CHROMATOGRAPH	OIL FLUORESCENCE P F G	CALC	REMARKS
		500							All depth measurements in meters referenced from Rotary Table (RT) RT = 21.5m Water depth (LAT) = 503.0mMDRT RT-Seabed = 524.5mMDRT
		510							
		520							Somerset-1 spudded @ 11:30 hrs on 19 October 2009
		530							
NB1 Varel 766R1 660mm (26") (36") HI/Opener Jets: 3x20 Depth In: 524.5m Depth Out: 572.5m Drilled: 47.5m in 3.0hrs Grade: 1-1-0-0-0-0-TD		540							Type: Hi Vis PHG & GG MW: 8.7ppg FV:200 PV:N/A Gel:N/A YP:N/A pH:N/A
		550							
		560							Drill with seawater and Hi-vis PHG & Gum sweeps Returns to Seabed
		570							
WOB: 1 - 18klbf RPM: 24 - 70 GPM: 538 - 946 SPP: 45 - 1294psi		580							Set 762mm (30") x 508mm (20") casing shoe at 569.44mMDRT
19 Oct 2009 20 Oct 2009		590							
Smith Mill Tooth 444mm (17.5") Jets: 3x16 - 3x12 Depth In: 572.5m Depth Out: xxx.xm Drilled: xxxm xx:xxhrs									445mm (17-1/2") Section @ 20:25 hrs on 20 October 2009



600
610
620
630
640
650
660
670
680
690
700
710
720
730

Grade: X-X-X-X-X-X-X-X

WOB: 1 - 11klbf
RPM: 124 - 158
GPM: 695 - 931
SPP: 2120 - 2308psi

WOB: 3 - 15klbf
RPM: 124 - 230
GPM: 900 - 1203
SPP: 2929 - 4149psi

WOB: 4 - 16klbf
RPM: 201 - 231
GPM: 957 - 1246
SPP: 2570 - 4237psi

Survey @ 599.08Inc: 0.60, Azi: 121.19, TVD: 599.07m

Drill with seawater and Hi-vis PHG & Gum sweeps Returns to Seabed

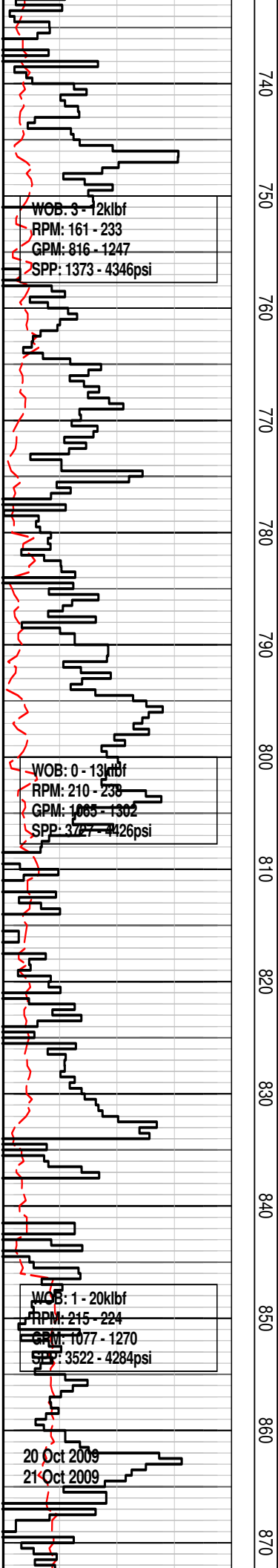
Survey @ 627.77Inc: 0.58, Azi: 134.31, TVD: 627.76m

Drill with seawater and Hi-vis PHG & Gum sweeps Returns to Seabed

Survey @ 684.35Inc: 0.43, Azi: 117.87, TVD: 684.34m

Drill with seawater and Hi-vis PHG & Gum sweeps Returns to Seabed

Survey @ 713.04Inc: 0.54, Azi: 135.97, TVD: 713.02m

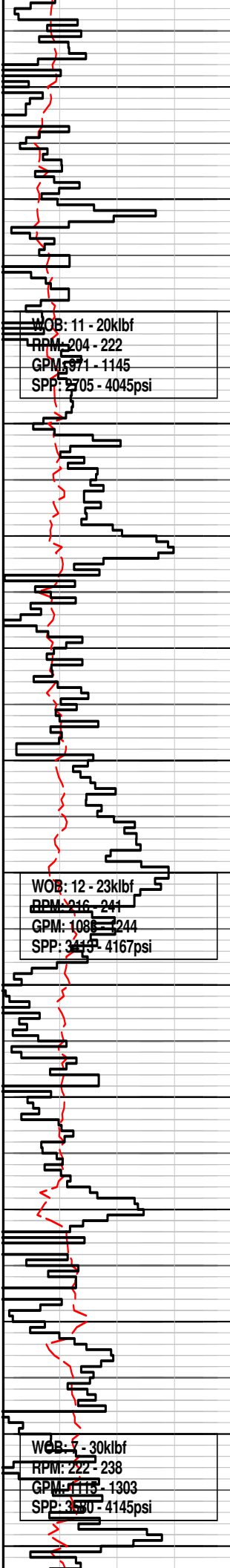


Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 799.04Inc: 0.53, Azi:
124.88, TVD: 799.02m

Type: Hi Vis PHG & GG
MW: 8.7ppg FV:200
PV:N/A Gel:N/A
YP:N/A pH:9.5

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

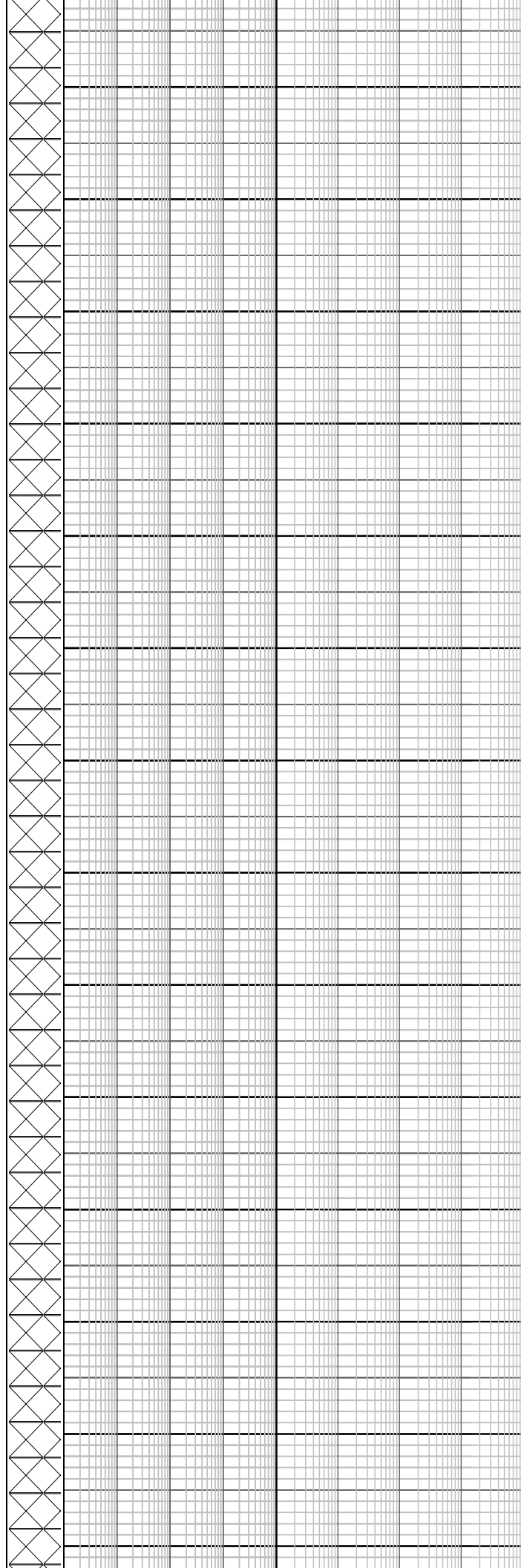


880
890
900
910
920
930
940
950
960
970
980
990
1000
1010

WOB: 11 - 20klbf
RPM: 204 - 222
GPM: 971 - 1145
SPP: 2705 - 4045psi

WOB: 12 - 23klbf
RPM: 216 - 241
GPM: 1088 - 1244
SPP: 3445 - 4167psi

WOB: 7 - 30klbf
RPM: 222 - 238
GPM: 1113 - 1303
SPP: 3580 - 4145psi

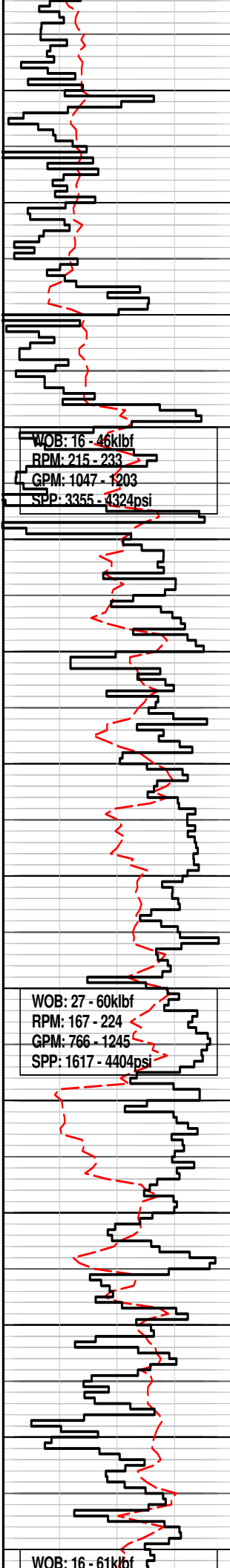


Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 972.34Inc: 0.93, Azi:
96.0, TVD: 972.30m

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 1001.37Inc: 0.92, Azi:
82.73, TVD: 1001.33m



1020
1030
1040
1050
1060
1070
1080
1090
1100
1110
1120
1130
1140
1150

WOB: 16 - 46klbf
RPM: 215 - 233
GPM: 1047 - 1203
SPP: 3355 - 4324psi

WOB: 27 - 60klbf
RPM: 167 - 224
GPM: 766 - 1245
SPP: 1617 - 4404psi

WOB: 16 - 61klbf

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 1059.78Inc: 0.97, Azi:
75.34, TVD: 1059.73m

Survey @ 1090.08Inc: 0.77, Azi:
49.47, TVD: 1090.03m

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 1117.31Inc: 0.68, Azi:
45.03, TVD: 1117.26m

RPM: 170 - 224
GPM: 774 - 1166
SPP: 1498 - 4134psi

1160
1170
1180
1190
1200
1210
1220
1230
1240
1250
1260
1270
1280
1290

WOB: 23 - 61kibf
RPM: 185 - 227
GPM: 1019 - 1135
SPP: 3441 - 4196psi

WOB: 26 - 50kibf
RPM: 187 - 227
GPM: 1001 - 1183
SPP: 3353 - 4165psi

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 1203.66Inc: 0.95, Azi:
60.78, TVD: 1203.60m

Drill with seawater and Hi-vis
PHG & Gum sweeps
Returns to Seabed

Survey @ 1251.88Inc: 0.94, Azi:
59.95, TVD: 1251.82m

Reached TD of 445mm (17-1/2")
Section to 1284mMDRT @ 08:30
hrs on 21 October 2009

FORMATION EVALUATION LOG

WOB (klbf)				TOTAL GAS & RESISTIVITY	CHROMATOGRAPH	CALC	REMARKS
<div style="border-bottom: 1px dashed red; margin-bottom: 5px;"> 20 40 60 80 </div> ROP (m/hr)	MD meters 1:500 CORE	LITHOLOGY %	INTERPRETED LITHOLOGY			OIL FLUORESCENCE P F G	
<div style="border-bottom: 1px solid black; margin-bottom: 5px;"> 200 150 100 50 </div>							