



INTEQ

Company : 3D Oil Ltd  
Well : Wardie-1  
Interval : 70.00 - 1772.09 meters  
Created : 18/May/2008 9:42:02 PM



### DRILLING DATA PLOT

<b>ROP (m/hr)</b> 400   375   350   325   300   275   250   225 200   175   150   125   100   75   50   25	<b>MD meters : 1000</b> 80   100   120   140   160   180   200   220   240   260   280   300   320   340   360   380   400   420	<b>FLOW IN (gpm)</b> 300   600   900   1200   1500	<b>TOTAL RPM</b> 70   140   210   280   350	<b>TORQUE Max (kft-lb)</b> 5   10   15   20   25	<b>DXC</b> 0.3   3	INTERPRETED LITHOLOGY
		<b>STANDPIPE (psi)</b> 1000   2000   3000   4000   5000	<b>WOB Avg (klbs)</b> 16   32   48   64   80	<b>TORQUE Avg (kft-lb)</b> 5   10   15   20   25	<b>MW IN (sg)</b> 1.1   1.2   1.3   1.4   1.5	
		<b>MT OUT (degC)</b> 20   40   60   80   100	<b>MSE (MPa)</b> 100   200   300   400   500		<b>MW OUT (sg)</b> 1.1   1.2   1.3   1.4   1.5	
		<b>MT IN (degC)</b> 20   40   60   80   100				

RB1: 660 mm (26") with  
 914 mm (36") H/Opener  
 Type: Rock / Reed Y11G  
 Jets: 3x22, 1x16  
 Depth In: 76.8 m  
 Depth Out: 136.0 m  
 Drilled 59.2 m in 2.5 hrs  
 Grade: 1-1-WT-A-NB-I-RR-TD

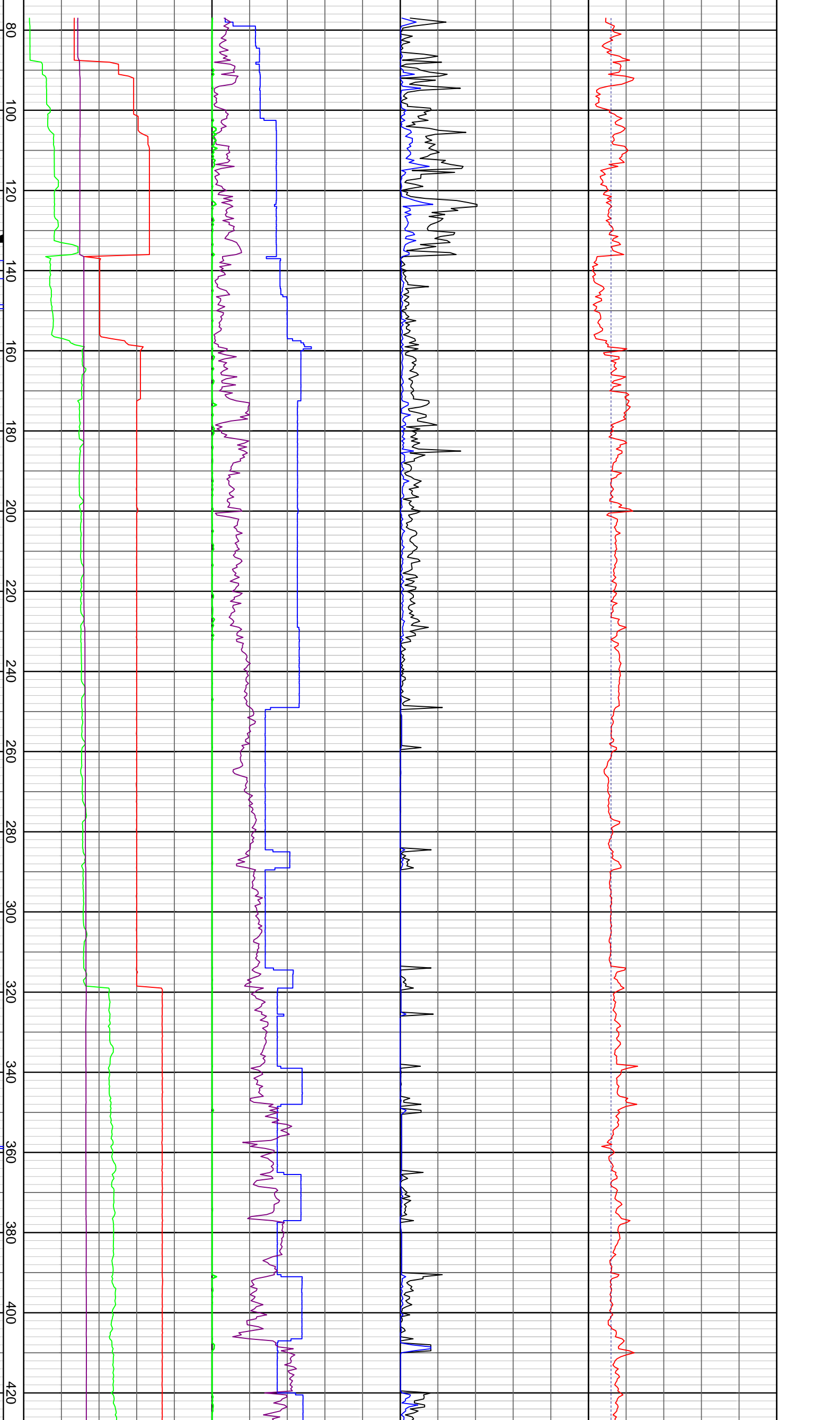
Set 30" x 20" Csg @  
 133.0 mMDRT  
 11/05/08

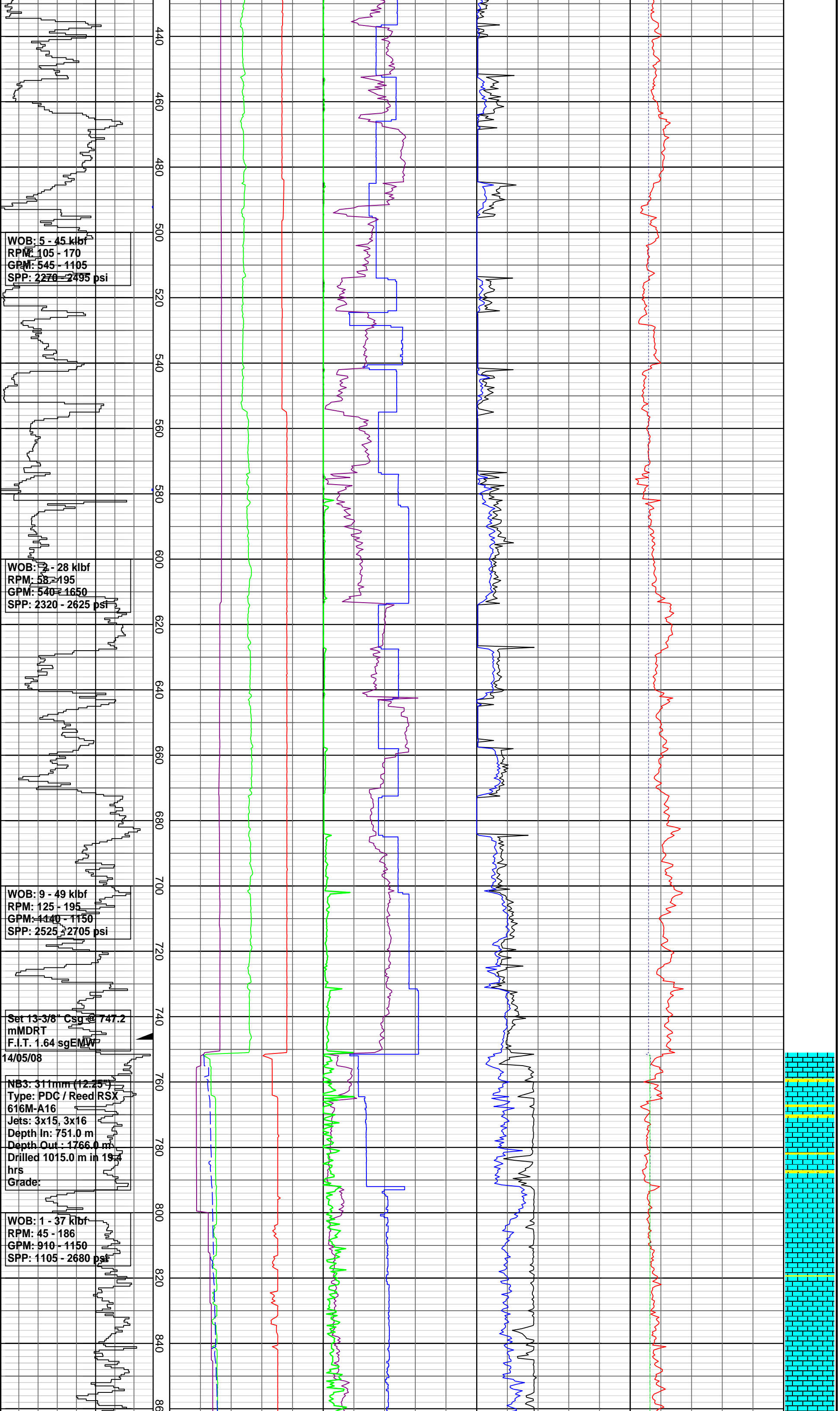
NB2: 444 mm (17.5")  
 Type: Rock / Hughes  
 MXL T1V  
 Jets: 3x20  
 Depth In: 136.0 m  
 Depth Out: 751.0 m  
 Drilled 615 m in 6.7 hrs  
 Grade: 1-1-NO-A-0-I-NO-TD

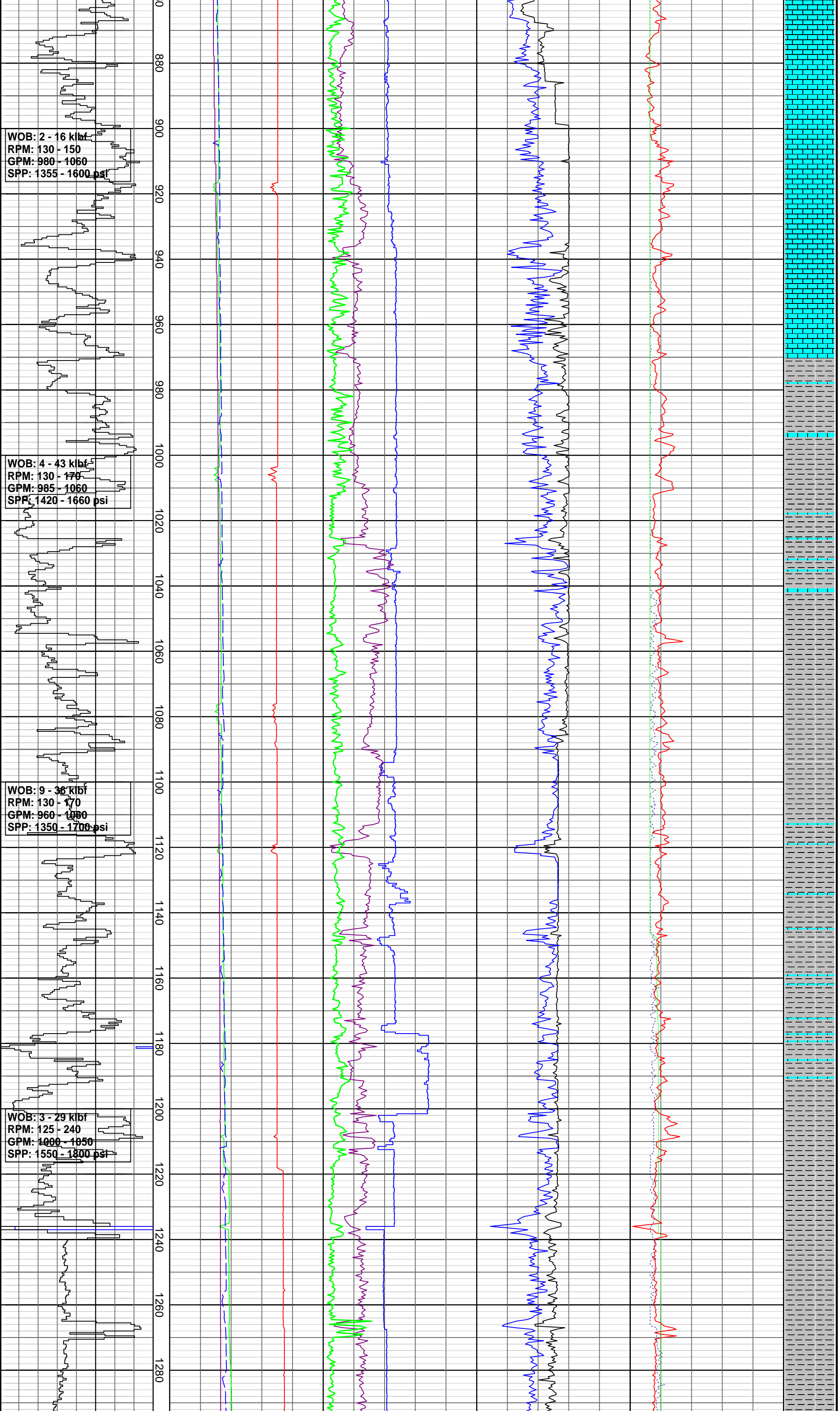
WOB: 1 - 16 klbf  
 RPM: 47 - 120  
 GPM: 483 - 1007  
 SPP: 581 - 1654 psi

WOB: 1 - 24 klbf  
 RPM: 0 - 63  
 GPM: 896 - 902  
 SPP: 1507 - 1666 psi

WOB: 13 - 33 klbf  
 RPM: 99 - 168  
 GPM: 900 - 1105  
 SPP: 1575 - 2445 psi







WOB: 5 - 27 klf  
RPM: 97 - 240  
GPM: 1020 - 1125  
SPP: 1600 - 2030 psi

WOB: 13 - 32 klf  
RPM: 96 - 176  
GPM: 1070 - 1080  
SPP: 1910 - 2035 psi

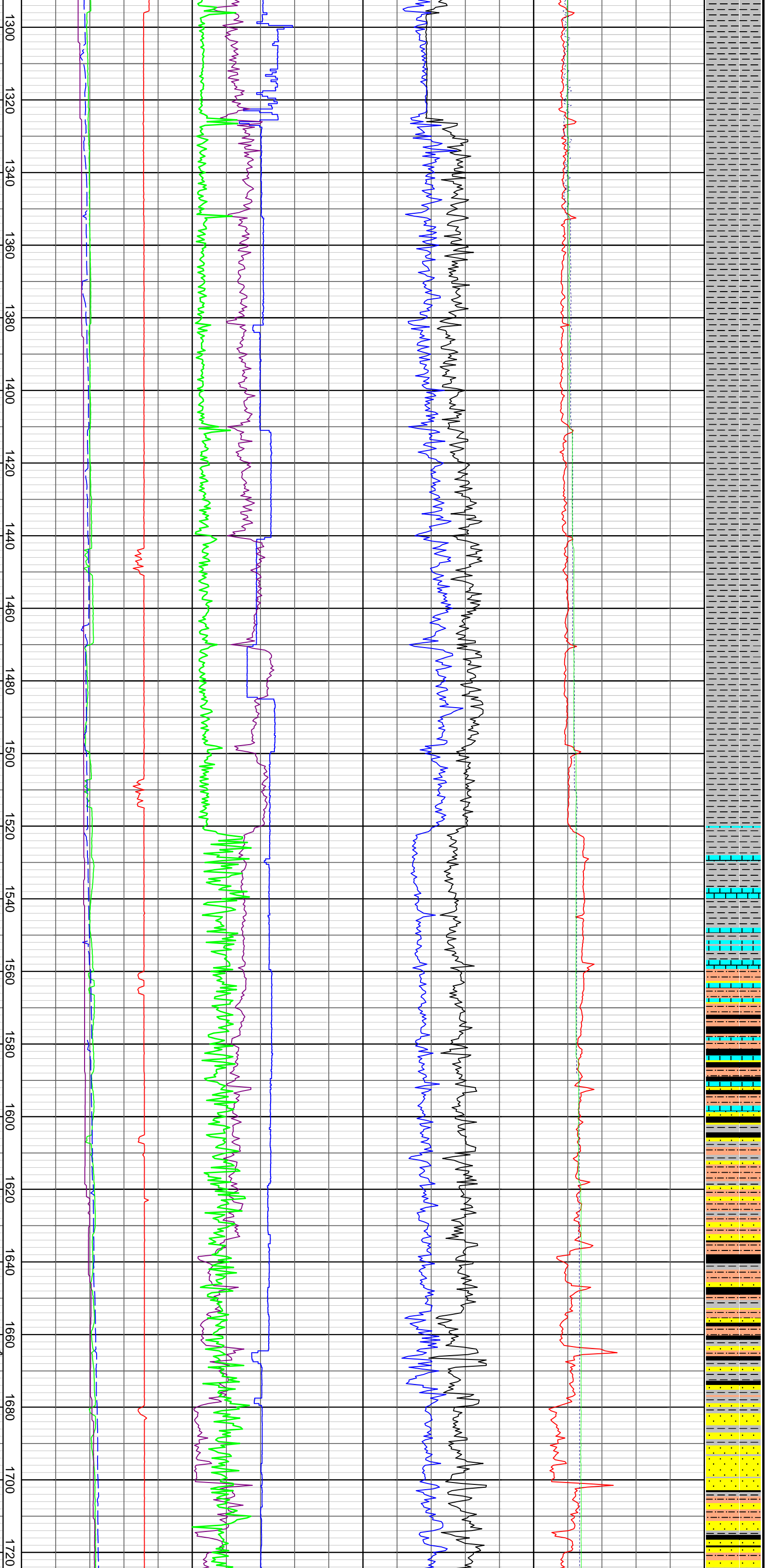
WOB: 16 - 38 klf  
RPM: 112 - 170  
GPM: 980 - 1078  
SPP: 1812 - 2107 psi

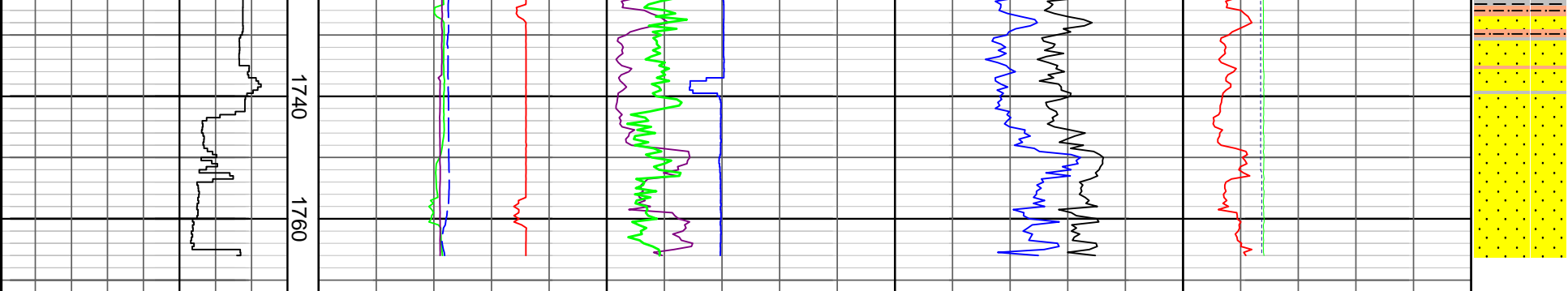
Control drilling from  
1520.0 mMDRT. Ave  
ROP 30 m/hr

WOB: 16 - 35 klf  
RPM: 147 - 164  
GPM: 980 - 1082  
SPP: 1832 - 2137 psi

WOB: 1 - 24 klf  
RPM: 121 - 161  
GPM: 1025 - 1115  
SPP: 1865 - 2170 psi

18/05/08





**DRILLING DATA PLOT**

<b>ROP (m/hr)</b> 225   250   275   300   325   350   375   400 <b>ROP (m/hr)</b> 25   50   75   100   125   150   175   200	<b>MD meters 1:1000</b>	<b>FLOW IN (gpm)</b> 300   600   900   1200   1500	<b>TOTAL RPM</b> 70   140   210   280   350	<b>TORQUE Max (kft-lb)</b> 5   10   15   20   25	<b>DXC</b> 0.3   3	<b>INTERPRETED LITHOLOGY</b>
		<b>STANDPIPE (psi)</b> 1000   2000   3000   4000   5000	<b>WOB Avg (klbs)</b> 16   32   48   64   80	<b>TORQUE Avg (kft-lb)</b> 5   10   15   20   25	<b>MW IN (sg)</b> 1.1   1.2   1.3   1.4   1.5	
		<b>MT OUT (degC)</b> 20   40   60   80   100	<b>MSE (MPa)</b> 100   200   300   400   500		<b>MW OUT (sg)</b> 1.1   1.2   1.3   1.4   1.5	
		<b>MT IN (degC)</b> 20   40   60   80   100				