

HALLIBURTON



ALD Azimuthal Lithodensity
CTN Compensated Thermal Neutron
DGR Dual Gamma Ray
EWR-Phase 4
ACAL Acoustic Caliper

1 : 1000

Sperry Drilling Services

Country : Australia								
Field : Thylacine								
Location : 39° 14' 14.47" South GDA94 142° 54' 7.58" East GDA94								
Well : THA02								
Company : Woodside Energy Ltd								
Rig : Maersk Guardian		<div>Company : Woodside Energy Ltd</div> <div>Rig : Maersk Guardian</div> <div>Well : THA02</div> <div>Field : Thylacine</div> <div>Country : Australia</div> <div>DOE Number :</div>						
LOCATION								
Latitude : 39° 14' 14.47" South GDA94 Longitude : 142° 54' 7.58" East GDA94				Other Services Directional Drilling				
UTM Easting = 664,161.0 m UTM Northing = 5,655,159.6 m								
Permanent Datum : LAT		Elev. : 0.00 m						
Log Measured From : Drill Floor		50.50 m Above Permanent Datum						
Drilling Measured From : Drill Floor		TVD LOG						
Depth Logged : 636.64 m To 2,340.18 m		Unit No. : SSDS-40						
Date Logged : 20-May-06 To 17-Jun-06		Job No. : AU-FE-0003930658						
Total Depth MD : 4,026.00 m TVD : 2,340.18 m		Plot Type : Final						
Spud Date : 20-May-06		Plot Date : 28-Sep-06						
Run No.	Borehole Record (TVD)		Borehole Record (TVD)					
	Size	From	To	Run No.	Size	From	To	
1	762,000 mm	149.80 m	219.89 m					
2	584,000 mm	219.89 m	636.64 m					
3	311,000 mm	636.64 m	2,107.87 m					
4	216,000 mm	2,107.87 m	2,125.16 m					
5	216,000 mm	2,125.16 m	2,340.18 m					
					Size	Weight	From	To
					660,000 mm	397.68 kgpm	149.80 m	219.90 m
					473,000 mm	139.89 kgpm	149.80 m	631.67 m
					244,000 mm	70.00 kgpm	149.80 m	2,106.22 m

WELL INFORMATION

MWD Run Number	300	400	500		
Date run completed	04-Jun-06	12-Jun-06	17-Jun-06		
Rig Bit Number	3	4	5		
Bit Size (mm)	311	216	216		
Tool Nominal OD (mm)	203	171	171		
Log Start Depth (TVD, m)	636.64	2107.87	2125.16		
Log End Depth (TVD, m)	2107.87	2125.16	2340.18		
Drill or Wipe	Drilling	Drilling	Drilling		
Drill/Wipe Start Date and Time	30-May-06 20:00	08-Jun-06 00:05	13-Jun-06 16:15		
Drill/Wipe End Date and Time	03-Jun-06 06:57	12-Jun-06 07:45	16-Jun-06 00:15		
Min Inc (deg) @ Depth (TVD, m)	3.73 @ 650.61	72.83 @ 1,508.07	41.91 @ 2,777.31		
Max Inc (deg) @ Depth (TVD, m)	73.39 @ 1,481.07	93.22 @ 1,680.29	91.36 @ 2,411.54		
Bit TFA(in2) / Bit Type	1.83 / SEC FMF3653Z	1.11 / SEC FMF3653Z	1.11 / SEC FMF3653Z		
Flow Rate (gpm)	1050	730	725		
Max AV (mpm) / CV (mpm) @ MWD	117.5 / 131.0	207.0 / 181.8	201.6 / 155.4		
Fluid Type	Synteq	Synteq	Synteq		
Density (sg) / Viscosity (spl)	1.25 / 84.5	1.26 / 93.0	1.26 / 74.0		
Filtrate CL (ppm)	25,355	38,842	36,912		
pH / Fluid Loss (mptm)	N/A / 2.0	N/A / 3.0	N/A / 2		
PV (cP) / YP (pa)	38 / 13.89	42 / 17.28	35 / 11.49		
% Solids / % Sand	13.7 / 5.0	14.8 / 0.3	13.9 / 0.3		
% Oil / Oil:Water Ratio	60.5 / 72:28	62.5 / 75:25	65.0 / 77:23		
Rm @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Rmf @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Rmc @ Measured Temp (degC)	N/A @ N/A	N/A @ N/A	N/A @ N/A		
Max Tool Temp (degC) / Source	96 / EWR-P4	109 / EWR-P4	112 / EWR-P4		
Rm @ Max Tool Temp (degC)	N/A @ 96	N/A @ 109	N/A @ 112		
Lead MWD Engineer	P. King	M. Lee	M. Lee		
Customer Representative	D. Rota	S. Corless	S. Corless		

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM	HCIM	HCIM		
Software Version	68.18	72.13	72.13		
Sub Serial Number	152862	43987	43987		
Insert Serial Number	134502	161828	161828		
Date and Time Initialized	30-May-06 01:52	08-Jun-06 14:12	13-Jun-06 02:33		
Date and Time Read	04-Jun-06 04:50	12-Jun-06 23:24	19-Jun-06 14:10		

Directional Sensor Information

Tool Type	DM	DM	DM		
Distance From Bit (m)	8.61	8.92	8.02		
Software Version	3.15	3.15	3.15		
Sub Serial Number	CP1015763	CP919968	CP772990		
Sonde Serial Number	133447	133447	185534		
Sensor ID Number	N/A	N/A	N/A		
Toolface Offset (deg)	N/A	N/A	N/A		

Gamma Ray Sensor Information

Tool Type	DGR	DGR	DGR		
Distance From Bit (m)	11.04	11.37	10.49		
Recorded Sample Period (sec)	12	14	14		
Software Version	N/A	N/A	N/A		
Sub Serial Number	10718409	144358	144358		
Insert/Sonde Serial Number	172498	50437	50437		

Resistivity Sensor Information

Tool Type	EWR-P4	EWR-P4	EWR-P4		
Distance From Bit (m)	13.40	13.68	12.80		
Recorded Sample Period (sec)	14	14	14		
Software Version	1.38	1.38	1.38		
Sub Serial Number	37661	136366	136366		
Receiver Insert Serial Number	205859	61101	61101		
Transmitter Insert Serial Number	151389	77011	77011		
Receiver Orientation	Down	Down	Down		

Neutron Sensor Information

Tool Type		CTN	CTN		
Distance From Bit (m)		25.34	24.46		
Recorded Sample Period (sec)		20	20		
Sub Serial Number		10603697	10603697		
Insert Serial Number		192981	192981		
Source Serial Number		0102NN	0102NN		
Source Factor		N/A	N/A		
Pin Orientation		Up	Up		

Density Sensor Information

Tool Type		ALD	ALD		
Distance From Bit (m)		21.27	20.39		
Recorded Sample Period (sec)		20	20		
Software Version		2.13	2.13		
Sub Serial Number		10718174	10718174		
Insert Serial Number		215918	215918		
Sensor ID Number		32081	32081		
Source Serial Number		2434GW	2434GW		
Pin Orientation		Up	Up		

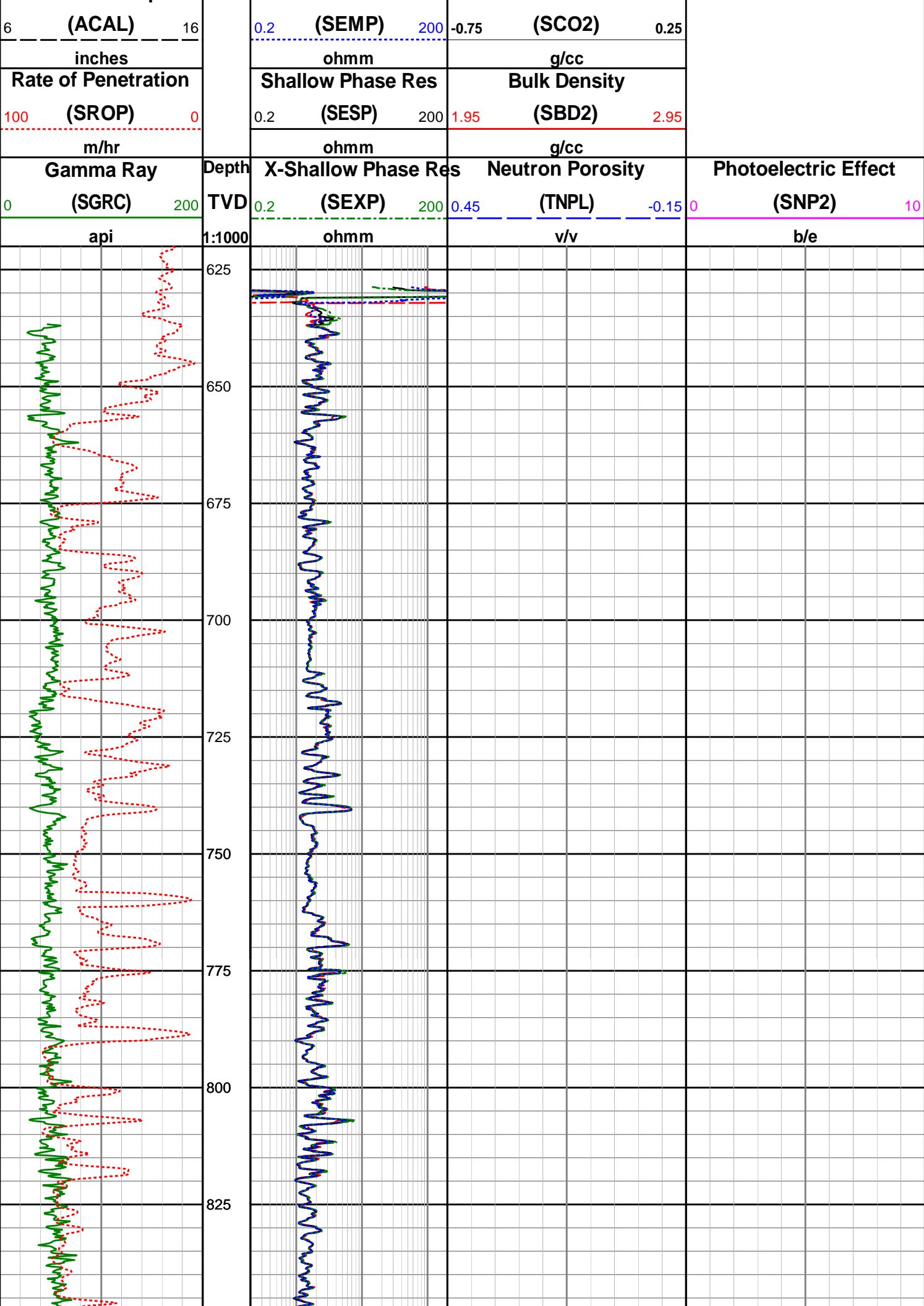
Stabilizer Blade O.D. (mm)		209.550	209.550		
DPA Offset		132.00	211.50		

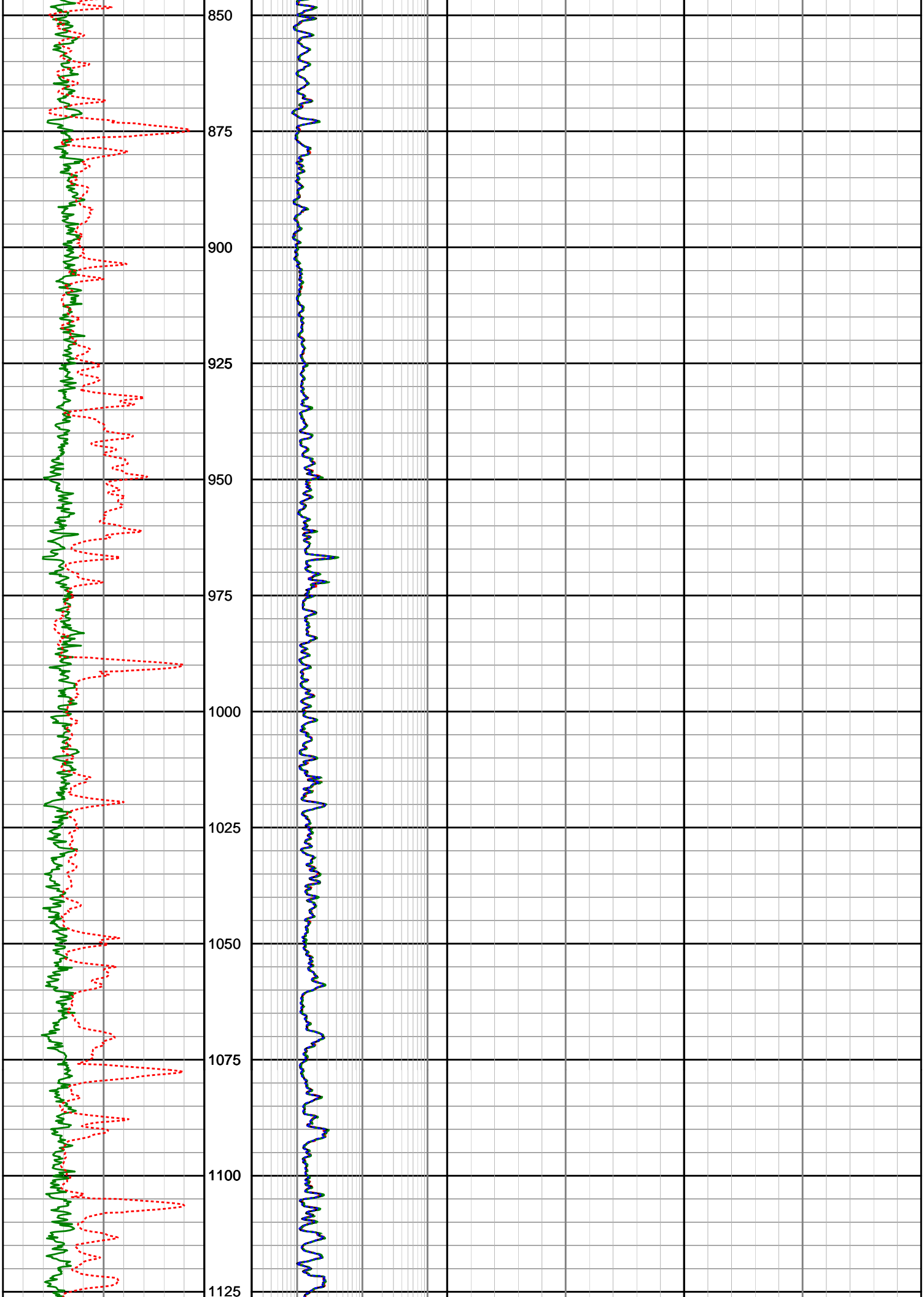
Caliper Sensor Information					
Tool Type		ACAL	ACAL		
Distance From Bit (m)		24.28	23.40		
Software Version		2.05	2.05		
Sub Serial Number		10603697	10603697		
Insert Serial Number		192981	192981		

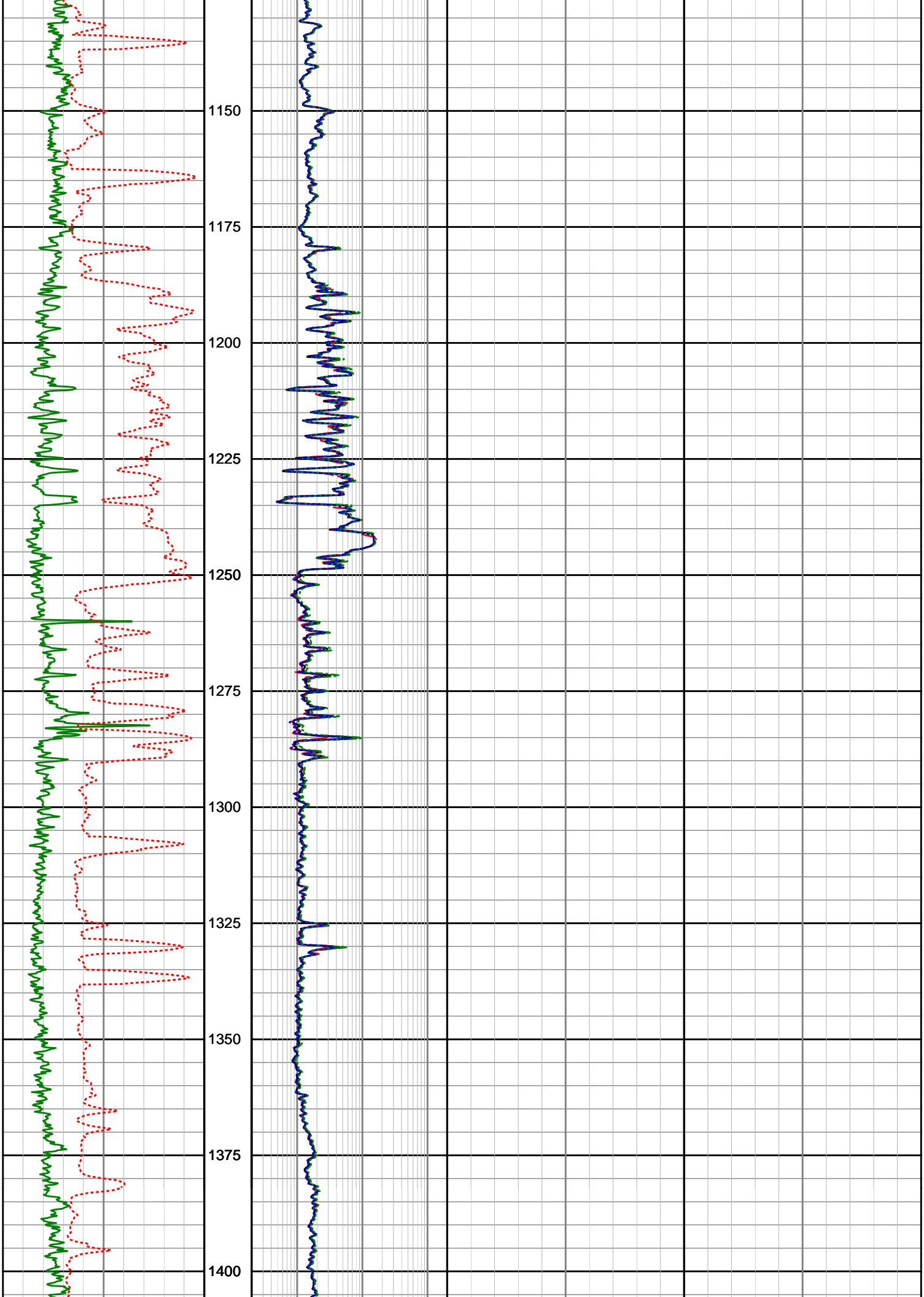
REMARKS
<p>1.) All depths are bit depths and are referenced to the driller's pipe tally unless otherwise noted.</p> <p>2.) AV/CV values are calculated at the LWD collar using the Bingham Plastic Model for oil based mud, measured in m/min.</p> <p>3.) Curve Mnemonics used are:</p> <p>SGRC - Smoothed Combined Gamma Ray, api SROP - Smoothed Rate of Penetration, m/hr SEXP - Smoothed Extra-Shallow Phase Resistivity, ohm-metre SESP - Smoothed Shallow Phase Resistivity, ohm-metre SEMP - Smoothed Medium Phase Resistivity, ohm-metre SEDP - Smoothed Deep Phase Resistivity, ohm-metre ACAL - Smoothed Acoustic Caliper Hole Size, inches SC02 - Smoothed Low Count Rate Stand Off Correction, g/cc SBD2 - Smoothed Low Count Rate Bulk Density, g/cc SNP2 - Smoothed Near Detector Pe, b/e TNPL - Smoothed Compensated Thermal Neutron Porosity (LS), v/v</p> <p>4.) CTN data has been processed using the following parameters and is based on Limestone matrix:</p> <p>MW = 1.25 - 1.26 sg Formation Salinity = 15,000 ppm Cl Mud Salinity = 38,842 - 41,902 ppm Cl Matrix Density = 2.71 g/cc Fluid Density = 1.00 g/cc</p> <p>5.) CTN data has been reprocessed using hole size derived from the Acoustic Caliper tool.</p> <p>6.) Caliper data presented from 2106.11 to 2134.24 mTVDRT is Hole Size Indicator from the ALD tool.</p>

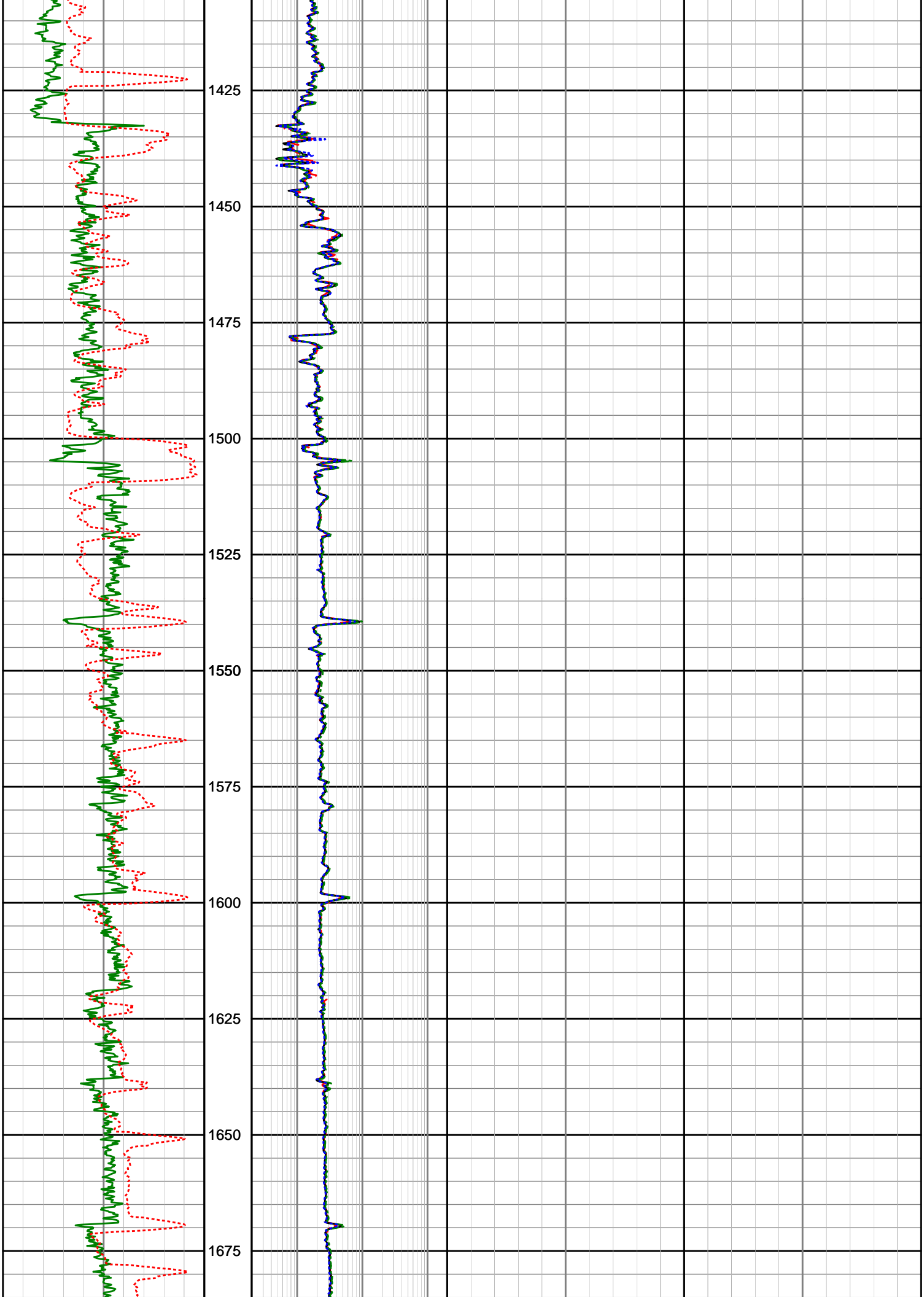
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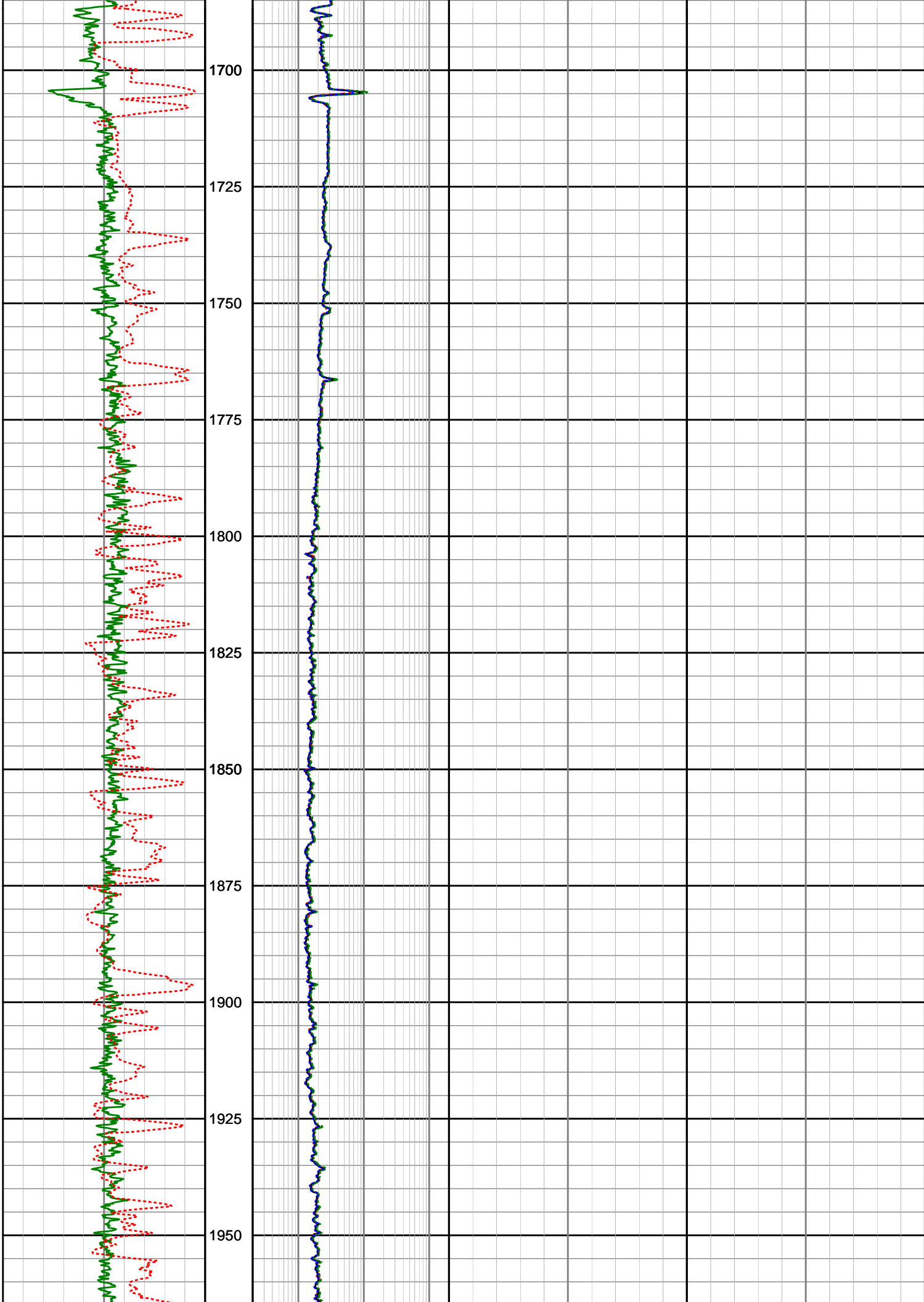
	<p>Deep Phase Res</p> <p>0.2 (SEDP) 200</p> <p>ohmm</p>	
Acoustic Caliper	Medium Phase Res	Standoff Correction

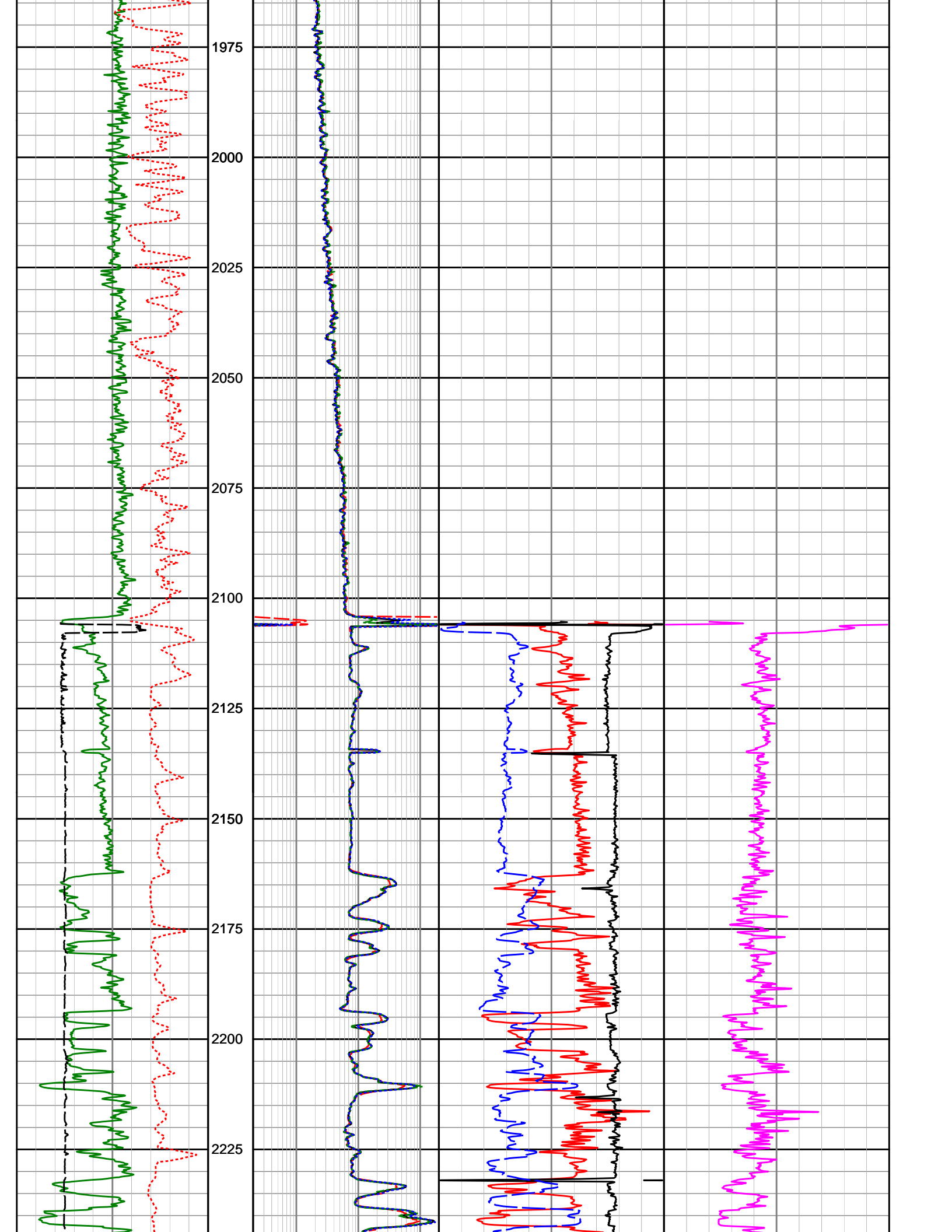


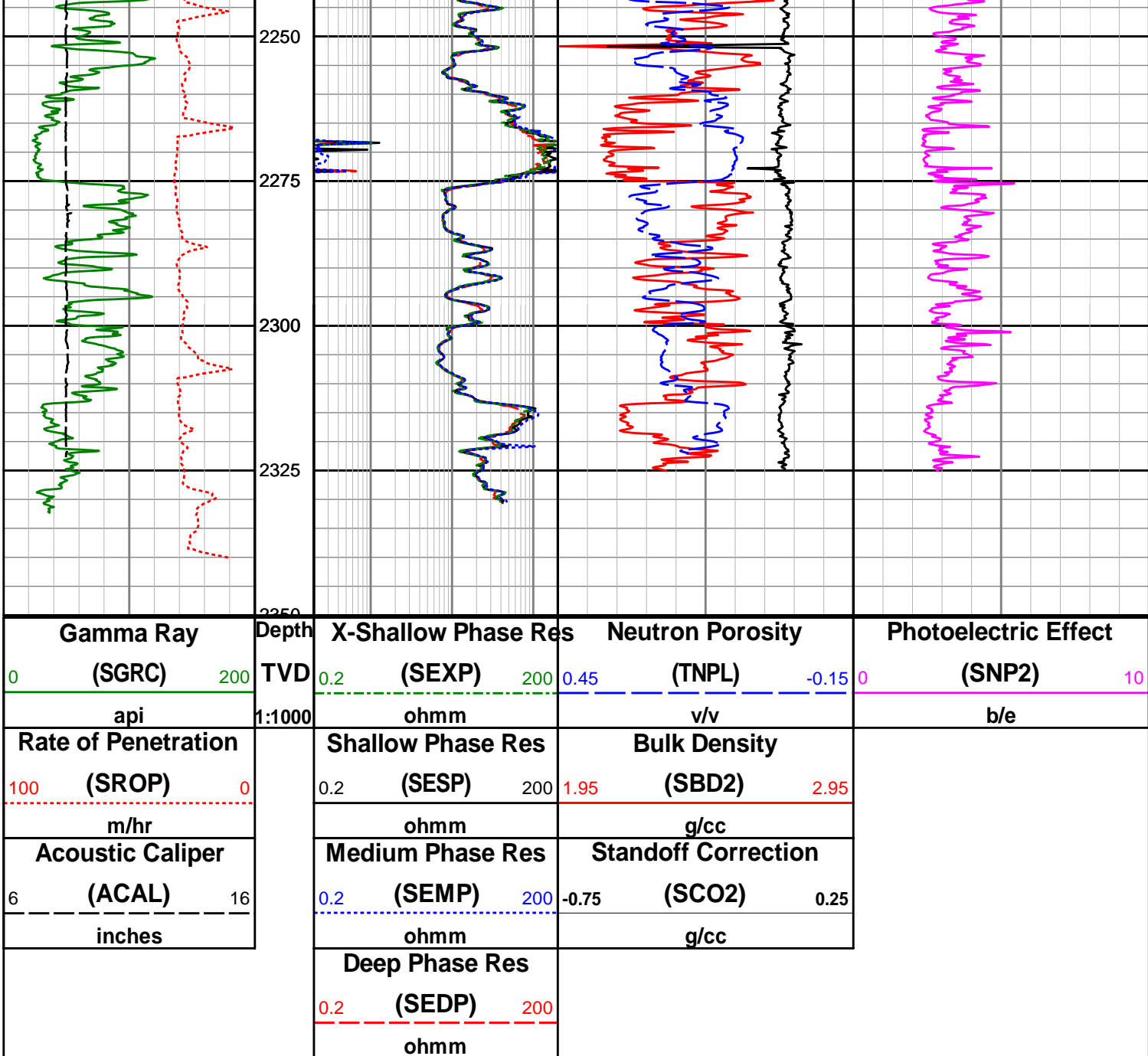












HALLIBURTON

DIRECTIONAL SURVEY REPORT

Woodside Energy Ltd

THA02

Thylacine

Tasmania

Australia

AU-FE-000393065

RT-LAT=50.5m

Final survey projected to TD

Surveys from 169.13m to 2229.34m are SUCOP and SAG Corrected

Surveys from 2259.31m to 2380.35m are SAG Corrected.

Surveys from 2409.42m to 3596.90m are Cazandra and SAG Corrected.

Surveys from 3625.86m to 3683.72m are SAG Corrected.

Surveys from 3712.66m to TD are SUCOP and SAG Corrected.

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
0.000	0.00	0.00	0.000	0.000 N	0.000 E	0.000	TIE-IN
150.000	0.00	0.00	150.000	0.000 N	0.000 E	0.000	0.00

169.130	0.71	221.05	169.130	0.089 S	0.078 W	0.073	1.11
208.000	0.52	196.77	207.997	0.440 S	0.287 W	0.261	0.25
220.400	0.29	185.42	220.397	0.525 S	0.306 W	0.275	0.59
259.700	0.89	270.66	259.695	0.621 S	0.621 W	0.584	0.70
341.490	2.59	273.52	341.444	0.500 S	3.101 W	3.066	0.62
370.420	3.21	272.48	370.337	0.425 S	4.562 W	4.530	0.65
399.400	3.84	274.34	399.262	0.316 S	6.340 W	6.312	0.66
428.360	4.65	272.33	428.143	0.195 S	8.480 W	8.455	0.85
457.280	5.51	259.78	456.950	0.394 S	11.018 W	10.977	1.45
486.270	5.77	264.15	485.799	0.789 S	13.838 W	13.769	0.52
525.140	5.59	268.32	524.479	1.044 S	17.674 W	17.584	0.35
544.150	6.87	262.02	543.376	1.229 S	19.725 W	19.621	2.29
572.990	5.92	272.75	572.038	1.397 S	22.919 W	22.800	1.58
601.890	6.64	272.65	600.764	1.248 S	26.077 W	25.961	0.75
620.250	6.72	280.11	619.000	1.010 S	28.195 W	28.089	1.42
637.830	6.20	276.25	636.468	0.726 S	30.151 W	30.058	1.16
666.700	5.81	274.13	665.180	0.451 S	33.158 W	33.077	0.47
724.560	4.14	270.99	722.820	0.204 S	38.168 W	38.092	0.88
753.490	4.52	273.28	751.667	0.121 S	40.350 W	40.275	0.43
782.470	4.29	270.74	780.562	0.042 S	42.574 W	42.500	0.31
811.430	4.34	267.95	809.439	0.067 S	44.752 W	44.673	0.22
840.350	4.62	270.66	838.271	0.093 S	47.010 W	46.926	0.36
869.340	4.34	269.72	867.173	0.085 S	49.275 W	49.187	0.30
898.280	3.92	268.79	896.037	0.111 S	51.359 W	51.266	0.44
927.230	4.40	268.45	924.911	0.162 S	53.458 W	53.359	0.50
956.070	3.73	266.06	953.678	0.256 S	55.500 W	55.392	0.72
984.970	4.34	268.49	982.507	0.350 S	57.531 W	57.414	0.66
1013.890	4.16	272.00	1011.347	0.342 S	59.673 W	59.553	0.33
1042.820	4.06	274.94	1040.203	0.217 S	61.742 W	61.626	0.24
1071.770	3.93	261.43	1069.083	0.277 S	63.744 W	63.621	0.98
1100.720	4.17	266.35	1097.961	0.491 S	65.776 W	65.637	0.44
1129.600	4.49	268.53	1126.758	0.587 S	67.954 W	67.806	0.37
1158.570	5.03	274.87	1155.628	0.509 S	70.353 W	70.205	0.78
1187.500	6.72	277.51	1184.405	0.180 S	73.295 W	73.161	1.77
1216.400	7.21	278.85	1213.092	0.320 N	76.763 W	76.653	0.54
1274.310	7.49	272.32	1270.527	1.032 N	84.125 W	84.044	0.46
1303.240	7.51	269.23	1299.210	1.083 N	87.900 W	87.815	0.42
1332.210	7.47	270.49	1327.933	1.074 N	91.676 W	91.584	0.18
1361.320	8.41	273.97	1356.763	1.237 N	95.692 W	95.603	1.09
1390.210	9.62	275.12	1385.296	1.599 N	100.204 W	100.128	1.27
1419.150	9.54	275.91	1413.833	2.062 N	104.998 W	104.941	0.16
1448.060	9.40	274.75	1442.349	2.504 N	109.734 W	109.694	0.25
1476.990	9.05	273.21	1470.904	2.827 N	114.360 W	114.331	0.44
1505.900	8.41	272.71	1499.479	3.054 N	118.742 W	118.719	0.67
1534.850	8.28	270.88	1528.123	3.187 N	122.941 W	122.919	0.31
1563.740	8.34	272.11	1556.710	3.296 N	127.114 W	127.092	0.19
1592.670	8.65	273.85	1585.322	3.519 N	131.382 W	131.365	0.42
1621.600	8.77	273.02	1613.919	3.781 N	135.755 W	135.746	0.18
1650.500	8.90	271.30	1642.476	3.948 N	140.190 W	140.183	0.31
1679.430	9.29	270.16	1671.042	4.005 N	144.762 W	144.751	0.45
1708.390	9.95	271.28	1699.595	4.068 N	149.601 W	149.586	0.71
1737.350	13.61	273.91	1727.940	4.356 N	155.504 W	155.495	3.83
1766.320	14.48	273.78	1756.044	4.827 N	162.519 W	162.525	0.90
1795.250	18.77	275.16	1783.758	5.485 N	170.767 W	170.798	4.47
1824.140	21.92	277.04	1810.843	6.564 N	180.751 W	180.827	3.34
1853.060	24.85	276.60	1837.384	7.924 N	192.147 W	192.283	3.04
1882.070	26.96	269.43	1863.484	8.560 N	204.783 W	204.935	3.90
1911.030	30.94	270.57	1888.821	8.569 N	218.797 W	218.926	4.16
1939.980	35.09	272.02	1913.091	8.936 N	234.562 W	234.686	4.38
1968.910	38.21	272.59	1936.299	9.634 N	251.815 W	251.950	3.25
1997.860	41.94	273.44	1958.448	10.619 N	270.423 W	270.584	3.91
2026.790	45.44	272.99	1979.363	11.737 N	290.372 W	290.564	3.64
2055.710	48.46	272.75	1999.103	12.794 N	311.476 W	311.695	3.14
2084.640	51.86	272.71	2017.634	13.852 N	333.661 W	333.904	3.53
2110.880	54.91	272.40	2033.283	14.790 N	354.700 W	354.961	3.50
2142.550	59.40	274.22	2050.456	16.336 N	381.254 W	381.560	4.49
2171.490	64.94	274.96	2063.962	18.388 N	406.754 W	407.136	5.78
2200.390	65.78	275.15	2076.010	20.702 N	432.920 W	433.392	0.89
2229.340	69.94	274.26	2086.918	22.899 N	459.639 W	460.194	4.39
2259.310	73.39	274.89	2096.345	25.169 N	487.992 W	488.631	3.50
2287.290	73.01	274.85	2104.432	27.443 N	514.681 W	515.407	0.41

2295.600	72.83	274.15	2106.873	28.066 N	522.600 W	523.348	2.50
2324.710	74.76	273.81	2114.996	30.006 N	550.485 W	551.299	2.02
2353.600	77.11	274.62	2122.017	32.067 N	578.431 W	579.317	2.57
2380.350	80.82	275.67	2127.136	34.422 N	604.575 W	605.554	4.32
2409.420	83.75	281.32	2131.041	38.680 N	633.050 W	634.228	6.52
2440.380	86.54	283.47	2133.662	45.302 N	663.175 W	664.686	3.41
2469.290	89.57	284.75	2134.643	52.345 N	691.193 W	693.064	3.41
2497.930	92.66	285.85	2134.085	59.900 N	718.809 W	721.071	3.44
2527.130	93.22	285.11	2132.588	67.684 N	746.912 W	749.578	0.95
2556.060	93.09	282.07	2130.995	74.470 N	774.986 W	777.998	3.15
2584.990	93.16	278.76	2129.417	79.692 N	803.393 W	806.660	3.43
2613.890	92.85	276.08	2127.902	83.418 N	832.009 W	835.444	2.80
2642.820	92.60	275.29	2126.527	86.281 N	860.764 W	864.316	0.86
2671.780	90.50	275.95	2125.743	89.116 N	889.572 W	893.240	2.28
2700.740	90.75	275.69	2125.428	92.052 N	918.381 W	922.171	0.37
2729.710	90.50	276.17	2125.111	95.045 N	947.195 W	951.109	0.56
2758.640	90.07	275.82	2124.968	98.067 N	975.966 W	980.007	0.57
2786.010	89.20	277.60	2125.142	101.265 N	1003.146 W	1007.327	2.17
2816.450	88.53	274.82	2125.745	104.557 N	1033.399 W	1037.720	2.82
2843.560	89.08	272.77	2126.310	106.350 N	1060.442 W	1064.821	2.35
2872.880	88.15	274.77	2127.019	108.277 N	1089.688 W	1094.130	2.26
2901.720	87.41	276.08	2128.136	111.002 N	1118.377 W	1122.928	1.56
2932.300	87.66	276.72	2129.452	114.408 N	1148.738 W	1153.435	0.67
2961.250	88.53	273.72	2130.414	117.040 N	1177.548 W	1182.350	3.24
2990.180	88.22	277.49	2131.235	119.863 N	1206.323 W	1211.240	3.92
3019.100	87.97	275.06	2132.196	123.023 N	1235.052 W	1240.103	2.53
3048.030	87.91	276.60	2133.236	125.959 N	1263.812 W	1268.986	1.60
3076.970	88.77	276.21	2134.074	129.186 N	1292.559 W	1297.872	0.98
3105.940	89.21	275.52	2134.585	132.146 N	1321.373 W	1326.808	0.85
3134.880	90.81	275.69	2134.580	134.973 N	1350.174 W	1355.724	1.67
3162.220	91.73	274.81	2133.974	137.474 N	1377.392 W	1383.042	1.40
3191.150	91.43	273.46	2133.176	139.559 N	1406.235 W	1411.957	1.43
3220.270	91.24	272.90	2132.498	141.174 N	1435.302 W	1441.069	0.61
3248.910	91.43	272.30	2131.831	142.473 N	1463.905 W	1469.699	0.66
3277.480	91.74	270.72	2131.040	143.225 N	1492.453 W	1498.243	1.69
3308.520	91.55	267.86	2130.149	142.841 N	1523.474 W	1529.190	2.77
3335.970	91.86	267.23	2129.332	141.666 N	1550.887 W	1556.488	0.77
3366.390	91.67	267.91	2128.395	140.377 N	1581.265 W	1586.741	0.70
3395.360	91.42	268.54	2127.614	139.480 N	1610.210 W	1615.586	0.70
3424.310	91.73	269.11	2126.818	138.886 N	1639.143 W	1644.435	0.67
3452.270	91.18	270.09	2126.108	138.691 N	1667.093 W	1672.327	1.21
3481.190	90.62	271.42	2125.654	139.073 N	1696.006 W	1701.214	1.50
3510.200	91.36	270.88	2125.153	139.655 N	1725.006 W	1730.198	0.95
3539.050	90.68	268.43	2124.639	139.481 N	1753.848 W	1758.982	2.64
3568.540	90.62	269.75	2124.305	139.013 N	1783.332 W	1788.390	1.34
3596.900	87.47	267.06	2124.777	138.224 N	1811.671 W	1816.635	4.38
3625.860	83.38	266.72	2127.087	136.659 N	1840.490 W	1845.315	4.25
3654.780	79.21	266.22	2131.463	134.900 N	1869.016 W	1873.692	4.36
3683.720	74.37	265.83	2138.074	132.948 N	1897.114 W	1901.630	5.03
3712.660	69.09	265.58	2147.144	130.892 N	1924.509 W	1928.859	5.48
3741.630	66.06	268.24	2158.195	129.442 N	1951.242 W	1955.464	4.04
3770.600	61.26	267.44	2171.046	128.467 N	1977.178 W	1981.300	5.03
3799.550	57.17	268.95	2185.860	127.677 N	2002.030 W	2006.064	4.45
3824.400	54.02	268.15	2199.900	127.161 N	2022.524 W	2026.493	3.89
3857.310	49.28	270.04	2220.315	126.740 N	2048.320 W	2052.222	4.53
3886.190	47.08	270.46	2239.570	126.832 N	2069.841 W	2073.712	2.31
3915.140	45.75	270.18	2259.529	126.950 N	2090.810 W	2094.653	1.39
3944.070	44.63	271.10	2279.918	127.178 N	2111.332 W	2115.154	1.34
3973.050	42.59	270.42	2300.899	127.445 N	2131.318 W	2135.122	2.17
4001.930	41.91	270.87	2322.277	127.663 N	2150.735 W	2154.519	0.77
4017.670	41.94	269.81	2333.988	127.726 N	2161.251 W	2165.021	1.35
4026.000	41.94	269.81	2340.184	127.707 N	2166.818 W	2170.578	0.00

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT

TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD

VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 273.32 DEGREES (GRID)

A TOTAL CORRECTION OF 12.31 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED




HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 4026.000 METRES
IS 2170.579 METRES ALONG 273.37 DEGREES (GRID)

Date Printed:28 September 2006

MWD RUN 300 - BHA

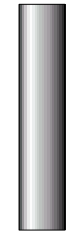
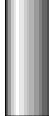


MWD RUN 300 - MWD

	Component Length (m)		Sensor Measure Point Distance To Bit (m)
Heavy Weight	58.120	Positive Pulser	
X-Over Sub	1.380		
Spiral Drill Collar	17.310	TM	
Jar	9.630		
Spiral Drill Collar	35.850	HCIM Insert	
Float Sub	.770	PWD Insert	15.900
Non-Magnetic	8.580		
MWD	14.36	EWR-P4 Insert	13.400
Flex	2.810	DGR Insert	11.040
Stabilizer	.780		

MWD		5.830	DM Sonde		8.610
PDC		.530			



















MWD RUN 400 - BHA	MWD RUN 400 - MWD
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	Component Length (m)		Sensor Measure Point Distance To Bit (m)
Heavy Weight	58.120	Positive Pulser	
Jar	9.860	TM	
Heavy Weight	19.380	FTWD Insert	28.520
X-Over Sub	1.380	PWD-FTWD Insert	28.660
Float Sub	.790	CTN Insert	25.340
Non-Magnetic	9.450	ALD Insert	21.270
MWD	27.21	HCIM Insert	
Stabilizer	.590	EWB-P4 Insert	13.680
Flex	2.770	DDS Insert	11.470
		DGP Insert	

Geo-Pilot		7.060	DGR Insert		11.370
PDC		.420	DM Sonde		8.920

MWD RUN 500 - BHA

MWD RUN 500 - MWD

		Component Length (m)			Sensor Measure Point Distance To Bit (m)
Heavy Weight		58.120	Positive Pulser		
Jar		9.860	TM		
Heavy Weight		19.380	FTWD Insert		27.640
X-Over Sub		1.380	PWD-FTWD Insert		27.780
Float Sub		.790	CTN Insert		24.460
Non-Magnetic		9.450	ALD Insert		20.390
MWD		27.21	HCIM Insert		
Stabilizer		.590	EWR-P4 Insert		12.800
Flex		2.800	DDS Insert		10.590

<div data-bbox="73 174 165 197" data-label="Text"><p>Geo-Pilot</p></div> <div data-bbox="73 329 120 352" data-label="Text"><p>PDC</p></div> <div data-bbox="444 0 529 396" data-label="Image">A vertical shaft with a PDC (Polycrystalline Diamond Compact) bit at the bottom. The bit is shown in cross-section, revealing its internal structure and cutting edges. The shaft is composed of several segments, with the top segment being the longest.</div> <div data-bbox="555 199 610 222" data-label="Text"><p>6.130</p></div> <div data-bbox="555 352 599 375" data-label="Text"><p>.430</p></div>	<div data-bbox="831 81 940 105" data-label="Text"><p>DGR Insert</p></div> <div data-bbox="831 275 933 298" data-label="Text"><p>DM Sonde</p></div> <div data-bbox="1221 0 1269 396" data-label="Image">A vertical shaft with a DM Sonde (Depth Measurement) tool at the bottom. The tool is shown in cross-section, revealing its internal structure and sensor. The shaft is composed of several segments, with the top segment being the longest.</div> <div data-bbox="1429 107 1495 130" data-label="Text"><p>10.490</p></div> <div data-bbox="1440 298 1495 321" data-label="Text"><p>8.020</p></div>
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