

Mud weight	ppg	10.6								
Solids	%	18.80								
Chlorides	mg/L	47,420.0								
Rm	Ohm.m@°C	n.a								
Rmf	Ohm.m@°C	n.a								
Rmc	Ohm.m@°C	n.a								
Potassium	%	n.a								
Environmental data										
GR										
Mud weight	ppg	10.6								
Bit size	in	8.50								
Resistivity										
Neutron porosity										
Hole Size	in.	8.50								
Mud weight	ppg	10.6								
Temperature	°C	20								
Mud salinity	ppk	70.878								
Formation salinity		n.a								
Recording rate 1	SEC	6 (arcVISION)								
Recording rate 2	SEC	2 (EcoScope)								
Filtering GR		3 pts.								
Filtering density		3 pts.								
Filtering Neutron		3 pts.								
Company representative	R. Spence	A. Zernov	D. Daniels							
Anadrill personnel	M. Amarasena	B. Low	D. Perkins	P. Sellathurai	C. Soper	D. B. Khanh	D. O'Brien			

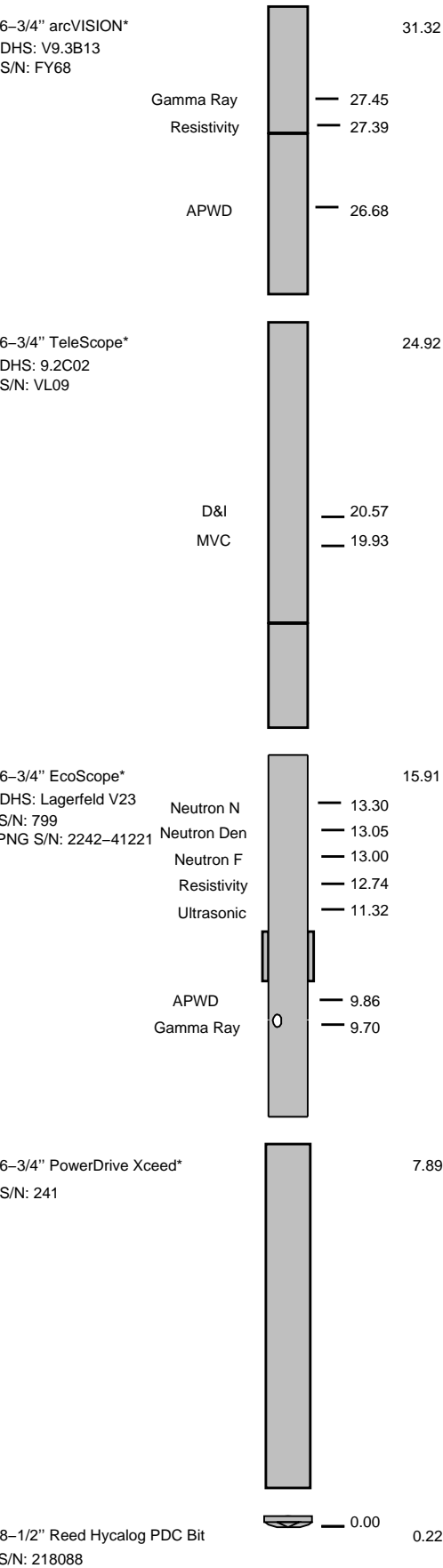
DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES FOR RUN3 Directional Drilling Direction Surveys Annular Pressure & Temperature Shock & Vibrations	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 3 Depth is referenced to Driller's depth Gamma ray is corrected for mud weight, tool size and bit size Resistivity is borehole compensated and environmentally corrected Neutron porosity is corrected for the effects of borehole size (i.e. bit size), temperature, mud salinity and mud hydrogen index (a factor of mud weight, mud temperature and pressure) Neutron porosity is calculated by using a limestone matrix density of 2.71 g/cm3 The SNA-A11A original hole was drilled to 4592m and as the BHA could not be fished out, the hole was plugged back and SNA-A11A-st was drilled. The EcoScope has a 7-7/8" Stabilizer The EcoScope sourceless density was pulsed in real-time The arcVISION Gamma ray reads higher as the arcVISION was above the EcoScope PNG which activated the formation prior to the arcVISION tool logging the same section.	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

EQUIPMENT DESCRIPTION		
RUN 3	RUN	RUN

DOWNHOLE EQUIPMENT



Maximum string diameter 8.50 in.
All lengths in Meters

IDEAL Version: ID14_0C_02
IDF

Format: ECOSCOPE Service RT Log Vertical Scale: 1:500 Graphics File Created: 17-Apr-2009 16:57

PIP SUMMARY

└ Gamma PIP Neutron PIP ┘
└ Resistivity PIP

Ultrasonic Caliper, Average Diameter,
Real-Time, Computed Downhole
(UCAV_DH_ECO_RT)
8 (IN) 20

Gamma Ray, Average, Real-Time
(GRMA_ECO_RT)
0 (GAPI) 200

MWD Collar
RPM
(CRPM_RT)
(RPM)
0 400

ARC Phase Shift Resistivity 28 inch at 2
MHz, Real-Time (P28H_ECO_RT)
0.2 (OHMM) 2000

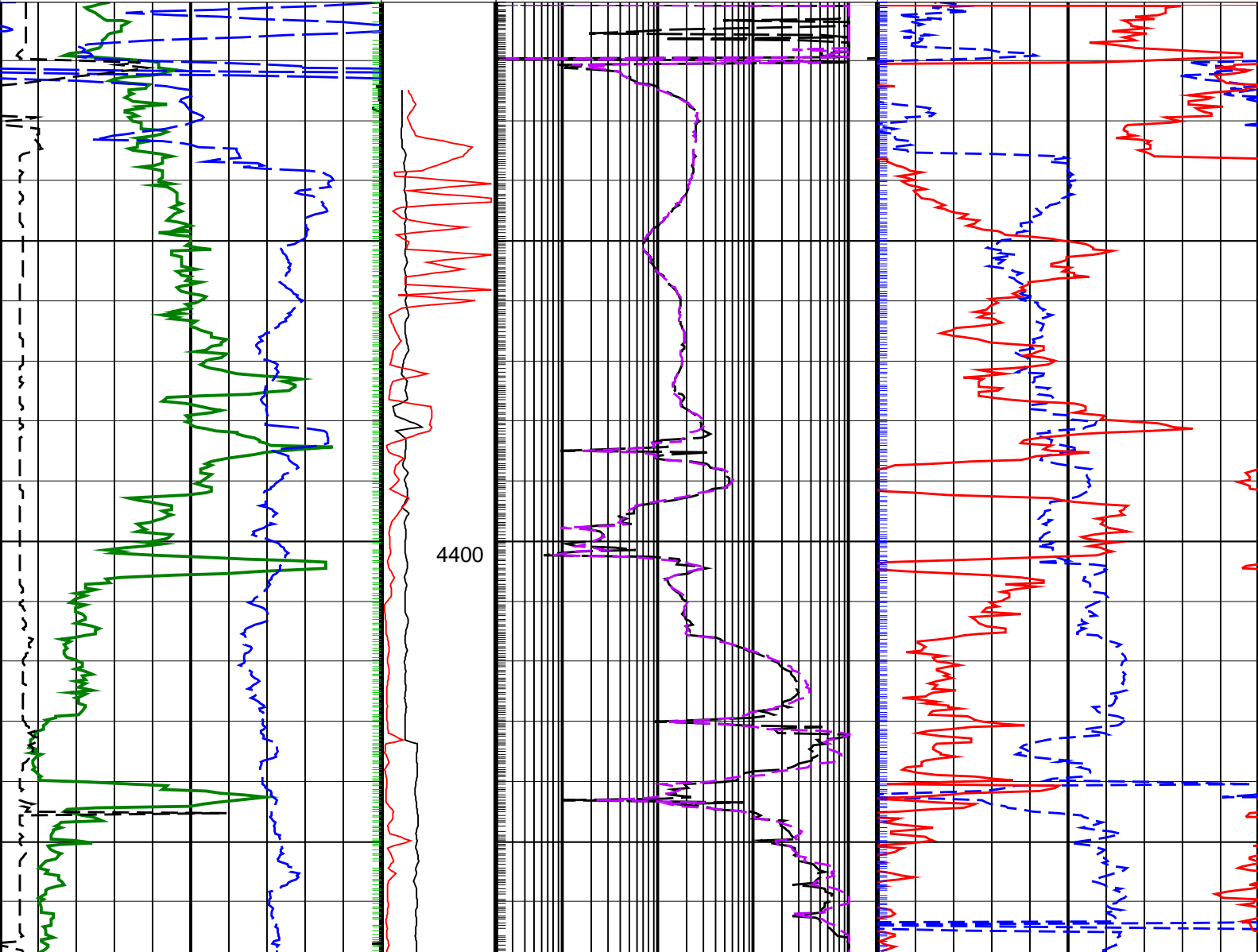
Bulk Density from Neutron, Average,
Real-Time (RHON_ECO_RT)
1.85 (G/C3) 2.85

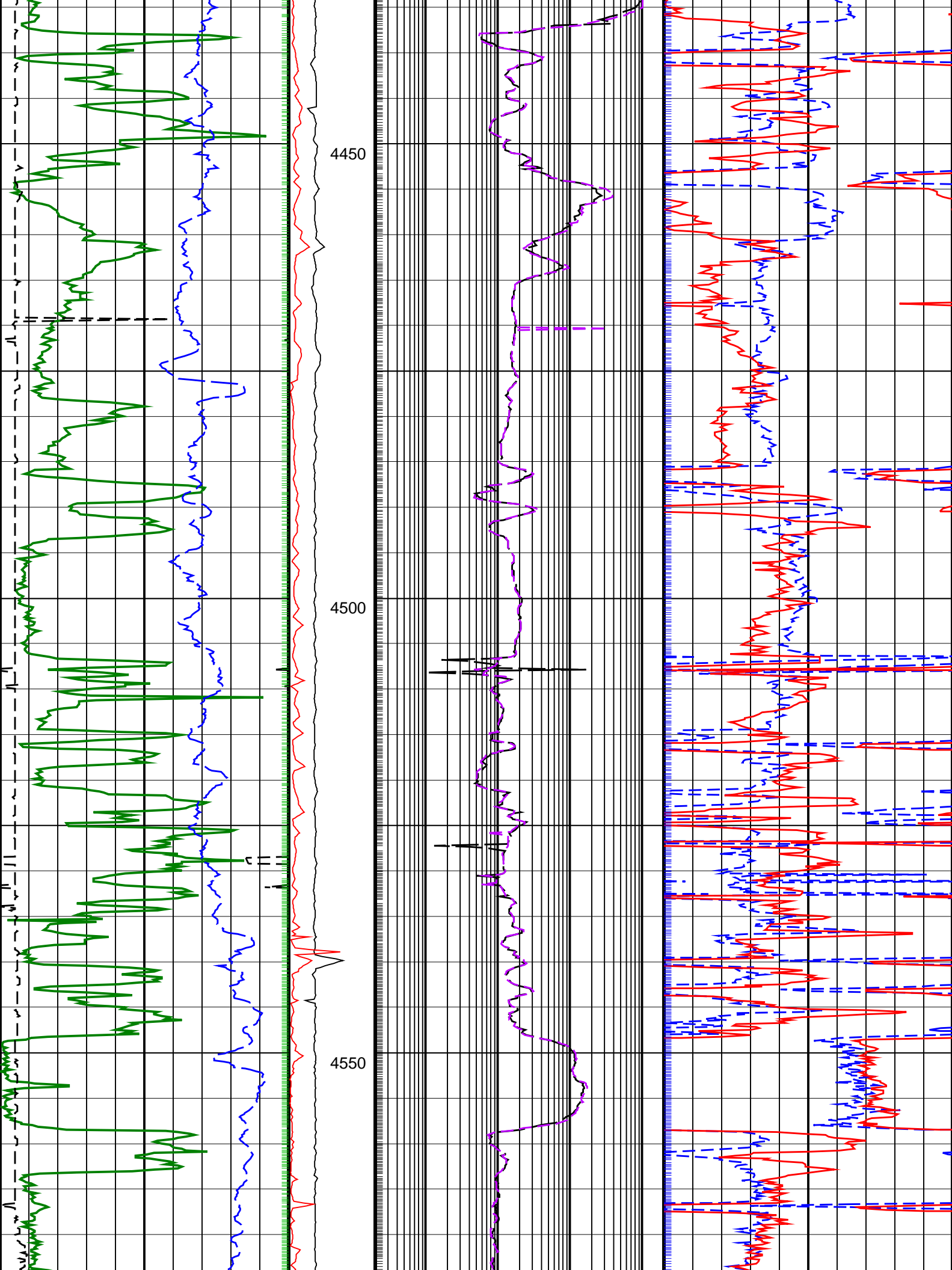
ROP*5 (ROP5)
(M/HR)
100 0

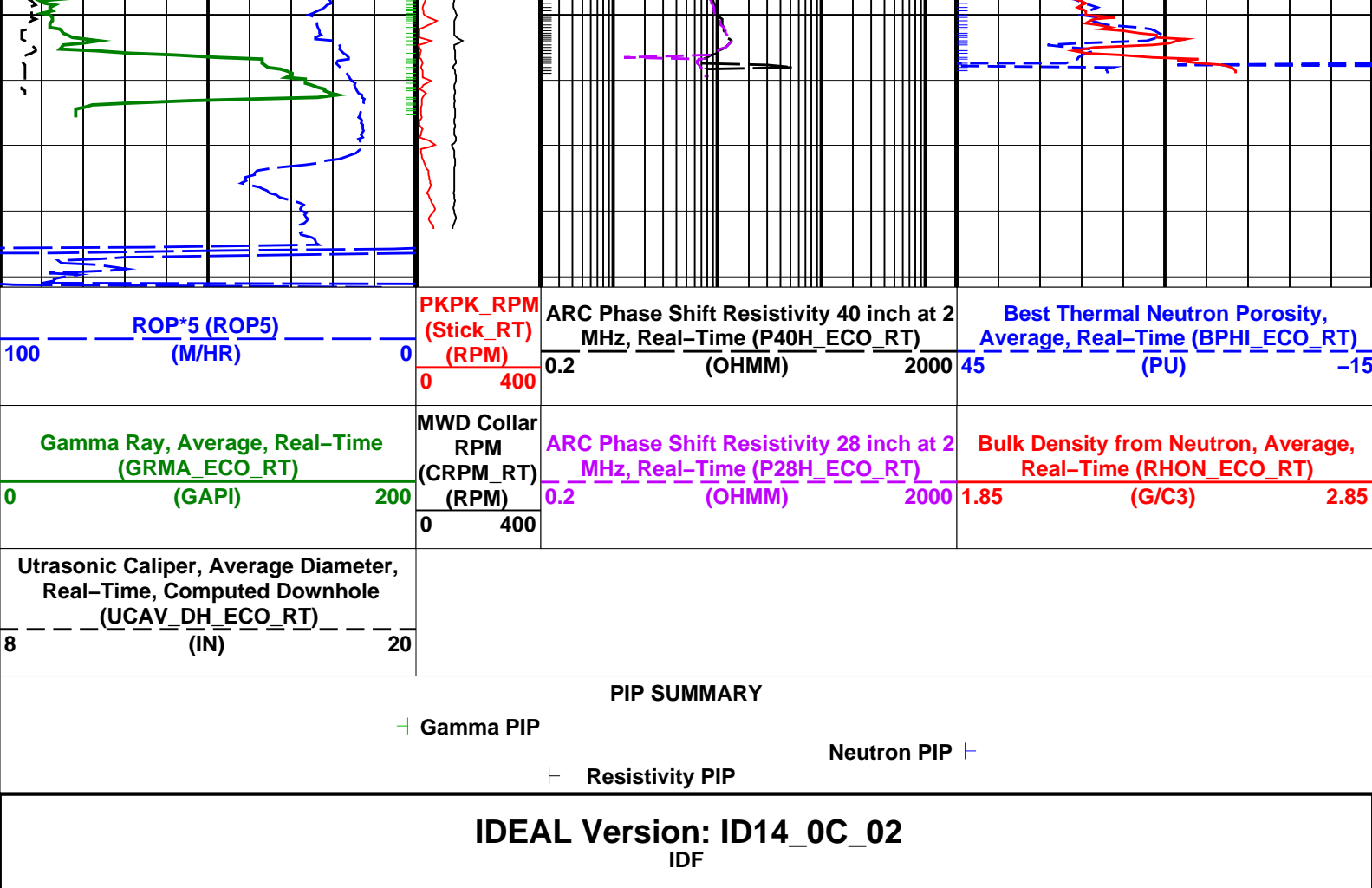
PKPK_RPM
(Stick_RT)
(RPM)
0 400

ARC Phase Shift Resistivity 40 inch at 2
MHz, Real-Time (P40H_ECO_RT)
0.2 (OHMM) 2000

Best Thermal Neutron Porosity,
Average, Real-Time (BPHI_ECO_RT)
45 (PU) -15







SCHLUMBERGER

Survey report

18-Apr-2009 11:40:26

Page 1 of 11

Client.....: Esso Australia
Field.....: Snapper

Well.....: CBA-A14b
API number.....: 08ASQ0028
Engineer.....: M. Amarasena/D. O'Brien

RIG LABEL.....: ISDL 175
STATE.....: Victoria

Spud date.....: 09-Sep-08
Last survey date.....: 08-Oct-09
Total accepted surveys...: 298
MD of first survey.....: 0.00 m
MD of last survey.....: 4593.00 m

----- Survey calculation methods-----
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Depth reference -----
Permanent datum.....: Mean Sea Level
Depth reference.....: Driller's Depth
GL above permanent.....: -55.00 m
KB above permanent.....: Top Drive
DF above permanent.....: 41.70 m

----- Vertical section origin-----
Latitude (+N/S-).....: -1.85 m
Departure (+E/W-).....: 2.38 m

----- Platform reference point-----
Latitude (+N/S-).....:
Departure (+E/W-).....:

Azimuth from Vsect Origin to target: 225.66 degrees

----- Geomagnetic data -----
Magnetic model.....: BGGM version 2008
Magnetic date.....: 21-Oct-2008
Magnetic field strength...: 1198.04 HCNT
Magnetic dec (+E/W-).....: 13.00 degrees
Magnetic dip.....: -68.69 degrees

----- MWD survey Reference Criteria -----
Reference G.....: 1000.02 mGal
Reference H.....: 1198.04 HCNT
Reference Dip.....: -68.86 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-).....: 13.22 degrees
Grid convergence (+E/W-)..: -0.81 degrees
Total az corr (+E/W-).....: 14.03 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=SORS1 Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

Seq # -	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/100f)	Srvy tool type	Tool Corr (deg)
===	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
1	0.00	0.00	0.00	0.00	0.00	0.00	-1.85	2.38	3.01	127.86	0.00	TIP	None
2	9.08	0.00	0.00	9.08	9.08	0.00	-1.85	2.38	3.01	127.86	0.00	MWD_M	None
3	64.08	0.64	256.16	55.00	64.08	0.26	-1.92	2.08	2.83	132.74	0.35	MWD_M	None
4	69.08	0.63	260.84	5.00	69.08	0.31	-1.93	2.03	2.80	133.66	0.32	MWD_M	None
5	74.08	0.65	250.94	5.00	74.08	0.36	-1.95	1.97	2.77	134.63	0.68	MWD_M	None
6	79.08	0.64	252.60	5.00	79.08	0.41	-1.97	1.92	2.75	135.67	0.13	MWD_M	None
7	84.08	0.66	258.82	5.00	84.08	0.46	-1.98	1.87	2.72	136.71	0.45	MWD_M	None
8	89.08	0.67	251.56	5.00	89.08	0.51	-1.99	1.81	2.69	137.79	0.52	MWD_M	None
9	94.08	0.60	249.24	5.00	94.08	0.56	-2.01	1.76	2.67	138.89	0.45	MWD_M	None
10	99.08	0.58	241.17	5.00	99.08	0.61	-2.03	1.71	2.66	139.95	0.52	MWD_M	None
11	104.08	0.62	228.30	5.00	104.08	0.66	-2.06	1.67	2.65	141.07	0.85	MWD_M	None
12	109.08	0.70	211.44	5.00	109.08	0.72	-2.11	1.63	2.67	142.27	1.27	MWD_M	None
13	114.08	0.89	192.04	5.00	114.08	0.78	-2.17	1.61	2.70	143.50	1.99	MWD_M	None
14	119.08	1.08	185.88	5.00	119.07	0.85	-2.26	1.59	2.76	144.76	1.32	MWD_M	None
15	124.08	1.46	178.13	5.00	124.07	0.93	-2.37	1.59	2.85	146.09	2.54	MWD_M	None
16	129.08	1.89	174.10	5.00	129.07	1.02	-2.51	1.60	2.98	147.48	2.72	MWD_M	None
17	134.08	2.10	170.15	5.00	134.07	1.12	-2.69	1.63	3.14	148.80	1.53	MWD_M	None
18	139.08	2.49	169.82	5.00	139.06	1.24	-2.88	1.66	3.33	150.04	2.38	MWD_M	None
19	144.08	2.77	169.43	5.00	144.06	1.36	-3.11	1.70	3.54	151.29	1.71	MWD_M	None
20	149.08	3.04	169.81	5.00	149.05	1.51	-3.36	1.75	3.79	152.49	1.65	MWD_M	None
21	154.08	3.26	170.56	5.00	154.05	1.66	-3.63	1.80	4.05	153.68	1.36	MWD_M	None
22	159.08	3.50	173.03	5.00	159.04	1.84	-3.92	1.84	4.33	154.89	1.71	MWD_M	None
23	164.08	3.80	175.77	5.00	164.03	2.03	-4.24	1.87	4.63	156.21	2.11	MWD_M	None
24	169.08	3.96	177.49	5.00	169.01	2.26	-4.58	1.89	4.95	157.58	1.21	MWD_M	None
25	174.08	4.35	183.02	5.00	174.00	2.51	-4.94	1.89	5.28	159.10	3.41	MWD_M	None
26	179.08	4.62	185.30	5.00	178.99	2.80	-5.33	1.86	5.64	160.78	1.97	MWD_M	None
27	184.08	4.97	188.80	5.00	183.97	3.13	-5.74	1.81	6.02	162.55	2.78	MWD_M	None
28	189.08	5.34	192.30	5.00	188.95	3.50	-6.18	1.72	6.42	164.43	2.96	MWD_M	None
29	194.08	5.61	194.26	5.00	193.93	3.90	-6.65	1.61	6.84	166.36	2.00	MWD_M	None
30	199.08	5.84	193.73	5.00	198.90	4.33	-7.13	1.49	7.29	168.18	1.44	MWD_M	None
31	204.08	6.01	195.66	5.00	203.87	4.77	-7.63	1.36	7.75	169.89	1.60	MWD_M	None
32	209.08	6.40	199.47	5.00	208.84	5.25	-8.14	1.20	8.23	171.64	3.46	MWD_M	None
33	214.08	6.67	202.29	5.00	213.81	5.76	-8.68	0.99	8.73	173.46	2.56	MWD_M	None
34	219.08	6.96	204.15	5.00	218.78	6.31	-9.22	0.76	9.25	175.29	2.22	MWD_M	None
35	224.08	7.40	207.94	5.00	223.74	6.90	-9.78	0.49	9.79	177.16	3.94	MWD_M	None
36	229.08	7.84	209.45	5.00	228.69	7.53	-10.36	0.17	10.37	179.08	2.95	MWD_M	None
37	234.08	8.37	211.17	5.00	233.64	8.21	-10.97	-0.19	10.97	180.99	3.55	MWD_M	None
38	239.08	8.88	212.23	5.00	238.59	8.94	-11.61	-0.58	11.62	182.88	3.26	MWD_M	None
39	244.08	9.43	212.07	5.00	243.52	9.71	-12.28	-1.01	12.32	184.68	3.36	MWD_M	None
40	249.08	10.25	212.50	5.00	248.45	10.55	-13.01	-1.46	13.09	186.42	5.02	MWD_M	None
41	254.08	10.81	212.64	5.00	253.37	11.44	-13.78	-1.95	13.91	188.08	3.42	MWD_M	None
42	259.08	11.55	212.86	5.00	258.27	12.38	-14.59	-2.48	14.80	189.64	4.52	MWD_M	None
43	264.08	12.12	212.88	5.00	263.16	13.38	-15.45	-3.04	15.75	191.12	3.47	MWD_M	None
44	269.08	12.69	212.49	5.00	268.05	14.43	-16.36	-3.62	16.75	192.47	3.51	MWD_M	None
45	274.08	13.36	212.57	5.00	272.92	15.52	-17.31	-4.22	17.81	193.71	4.09	MWD_M	None
46	279.08	14.13	212.66	5.00	277.78	16.68	-18.31	-4.86	18.94	194.87	4.70	MWD_M	None
47	284.08	14.63	212.45	5.00	282.62	17.89	-19.35	-5.53	20.13	195.95	3.06	MWD_M	None
48	289.08	15.27	212.31	5.00	287.45	19.15	-20.44	-6.22	21.37	196.93	3.91	MWD_M	None
49	294.08	16.00	211.97	5.00	292.26	20.46	-21.58	-6.94	22.67	197.82	4.48	MWD_M	None
50	299.08	16.98	211.90	5.00	297.06	21.84	-22.79	-7.69	24.05	198.64	5.98	MWD_M	None
51	304.08	17.56	211.94	5.00	301.83	23.28	-24.05	-8.47	25.50	199.41	3.54	MWD_M	None
52	309.08	18.41	211.96	5.00	306.59	24.78	-25.36	-9.29	27.01	200.12	5.18	MWD_M	None
53	314.08	19.09	211.99	5.00	311.32	26.34	-26.72	-10.14	28.58	200.78	4.15	MWD_M	None
54	319.08	19.84	211.85	5.00	316.04	27.96	-28.14	-11.02	30.22	201.39	4.58	MWD_M	None
55	324.08	20.38	211.77	5.00	320.73	29.63	-29.60	-11.93	31.91	201.95	3.30	MWD_M	None
56	329.08	21.36	211.76	5.00	325.41	31.36	-31.11	-12.87	33.67	202.47	5.97	MWD_M	None
57	334.08	22.08	211.69	5.00	330.05	33.15	-32.69	-13.84	35.49	202.95	4.39	MWD_M	None
58	339.08	22.85	211.55	5.00	334.67	35.00	-34.31	-14.84	37.38	203.39	4.71	MWD_M	None
59	344.08	23.62	211.57	5.00	339.27	36.92	-35.99	-15.87	39.34	203.80	4.69	MWD_M	None
60	349.08	24.89	211.82	5.00	343.82	38.91	-37.74	-16.95	41.37	204.19	7.77	MWD_M	None
61	354.08	25.22	211.39	5.00	348.35	40.97	-39.54	-18.06	43.47	204.55	2.30	MWD_M	None
62	359.08	26.19	211.56	5.00	352.86	43.07	-41.39	-19.19	45.63	204.88	5.93	MWD_M	None
63	364.08	26.52	211.53	5.00	357.34	45.22	-43.29	-20.36	47.83	205.19	2.01	MWD_M	None
64	369.08	26.97	211.34	5.00	361.80	47.40	-45.21	-21.53	50.07	205.47	2.79	MWD_M	None
65	374.08	27.48	211.43	5.00	366.25	49.62	-47.16	-22.72	52.35	205.72	3.12	MWD_M	None
66	379.08	28.09	211.41	5.00	370.67	51.88	-49.15	-23.94	54.67	205.97	3.72	MWD_M	None
67	384.08	28.40	211.27	5.00	375.08	54.17	-51.17	-25.17	57.02	206.19	1.93	MWD_M	None
68	389.08	28.95	211.53	5.00	379.46	56.50	-53.22	-26.42	59.41	206.40	3.44	MWD_M	None
69	394.08	29.37	211.43	5.00	383.83	58.86	-55.29	-27.69	61.84	206.60	2.58	MWD_M	None
70	399.08	29.94	211.44	5.00	388.18	61.26	-57.40	-28.98	64.30	206.79	3.47	MWD_M	None
71	404.08	30.23	211.47	5.00	392.50	63.69	-59.54	-30.29	66.80	206.96	1.77	MWD_M	None
72	409.08	30.54	211.55	5.00	396.82	66.14	-61.70	-31.61	69.32	207.13	1.91	MWD_M	None
73	414.08	30.93	211.56	5.00	401.11	68.62	-63.88	-32.95	71.87	207.28	2.38	MWD_M	None
74	419.08	31.27	211.61	5.00	405.39	71.12	-66.08	-34.30	74.45	207.43	2.08	MWD_M	None
75	424.08	31.61	211.56	5.00	409.66	73.65	-68.30	-35.66	77.05	207.57	2.08	MWD_M	None
76	429.08	31.97	211.57	5.00	413.91	76.21	-70.54	-37.04	79.68	207.71	2.19	MWD_M	None
77	434.08	32.25	211.61	5.00	418.14	78.72	-72.91	-38.44	82.33	207.83	2.22	MWD_M	None

77	434.08	32.35	211.61	5.00	418.14	78.79	-72.81	-38.44	82.33	207.83	2.32	MWD_M	None
78	439.08	32.76	211.64	5.00	422.36	81.40	-75.10	-39.85	85.02	207.95	2.50	MWD_M	None
79	444.08	33.16	211.66	5.00	426.55	84.04	-77.42	-41.28	87.73	208.07	2.44	MWD_M	None
80	449.08	33.49	211.84	5.00	430.73	86.70	-79.75	-42.72	90.47	208.18	2.10	MWD_M	None
81	454.08	33.93	211.75	5.00	434.89	89.40	-82.11	-44.18	93.24	208.28	2.70	MWD_M	None
82	459.08	34.32	211.71	5.00	439.03	92.12	-84.50	-45.66	96.04	208.39	2.38	MWD_M	None
83	464.08	34.71	211.67	5.00	443.15	94.87	-86.91	-47.15	98.87	208.48	2.38	MWD_M	None
84	469.08	35.15	211.63	5.00	447.25	97.65	-89.34	-48.65	101.73	208.57	2.69	MWD_M	None
85	474.08	35.60	211.64	5.00	451.33	100.45	-91.81	-50.17	104.62	208.65	2.74	MWD_M	None
86	479.08	36.06	211.71	5.00	455.38	103.29	-94.30	-51.70	107.54	208.74	2.82	MWD_M	None
87	484.08	36.50	211.72	5.00	459.41	106.17	-96.82	-53.26	110.50	208.82	2.68	MWD_M	None
88	489.08	36.99	211.72	5.00	463.42	109.07	-99.36	-54.83	113.49	208.89	2.99	MWD_M	None
89	494.08	37.46	211.80	5.00	467.40	112.01	-101.93	-56.42	116.51	208.97	2.88	MWD_M	None
90	499.08	37.90	211.80	5.00	471.35	114.97	-104.53	-58.03	119.56	209.04	2.68	MWD_M	None
91	504.08	38.35	211.81	5.00	475.29	117.97	-107.15	-59.66	122.64	209.11	2.74	MWD_M	None
92	509.08	38.99	211.91	5.00	479.19	121.00	-109.81	-61.31	125.76	209.18	3.92	MWD_M	None
93	514.08	39.45	211.97	5.00	483.07	124.08	-112.49	-62.98	128.92	209.24	2.81	MWD_M	None
94	519.08	39.98	211.97	5.00	486.91	127.18	-115.20	-64.67	132.11	209.31	3.23	MWD_M	None
95	524.08	40.39	212.08	5.00	490.73	130.31	-117.93	-66.39	135.34	209.38	2.54	MWD_M	None
96	529.08	40.95	212.15	5.00	494.52	133.48	-120.69	-68.12	138.59	209.44	3.43	MWD_M	None
97	534.08	41.48	212.20	5.00	498.28	136.69	-123.48	-69.87	141.88	209.50	3.24	MWD_M	None
98	539.08	41.93	212.23	5.00	502.02	139.92	-126.30	-71.65	145.20	209.57	2.75	MWD_M	None
99	544.08	42.36	212.26	5.00	505.73	143.19	-129.14	-73.44	148.56	209.63	2.62	MWD_M	None
100	549.08	42.84	212.31	5.00	509.41	146.48	-132.00	-75.24	151.94	209.68	2.93	MWD_M	None
101	554.08	43.36	212.39	5.00	513.06	149.80	-134.88	-77.07	155.35	209.74	3.19	MWD_M	None
102	559.08	43.91	212.47	5.00	516.67	153.16	-137.79	-78.92	158.80	209.80	3.37	MWD_M	None
103	564.08	44.39	212.54	5.00	520.26	156.55	-140.73	-80.79	162.27	209.86	2.94	MWD_M	None
104	569.08	44.88	212.59	5.00	523.82	159.97	-143.69	-82.68	165.78	209.92	2.99	MWD_M	None
105	574.08	45.35	212.68	5.00	527.35	163.43	-146.68	-84.59	169.32	209.97	2.89	MWD_M	None
106	579.08	45.99	212.81	5.00	530.84	166.91	-149.68	-86.53	172.89	210.03	3.94	MWD_M	None
107	584.08	46.34	212.87	5.00	534.31	170.43	-152.71	-88.49	176.50	210.09	2.15	MWD_M	None
108	589.08	46.91	212.92	5.00	537.74	173.97	-155.77	-90.46	180.13	210.15	3.48	MWD_M	None
109	594.08	47.52	212.90	5.00	541.14	177.55	-158.85	-92.45	183.79	210.20	3.72	MWD_M	None
110	599.08	48.11	212.89	5.00	544.49	181.17	-161.96	-94.46	187.49	210.25	3.60	MWD_M	None
111	604.08	48.55	212.90	5.00	547.82	184.81	-165.09	-96.49	191.22	210.31	2.68	MWD_M	None
112	609.08	48.99	212.94	5.00	551.11	188.48	-168.25	-98.54	194.98	210.36	2.69	MWD_M	None
113	614.08	49.61	213.03	5.00	554.37	192.17	-171.43	-100.60	198.77	210.41	3.80	MWD_M	None
114	619.08	49.96	213.14	5.00	557.60	195.90	-174.63	-102.68	202.58	210.46	2.19	MWD_M	None
115	624.08	50.61	213.13	5.00	560.80	199.65	-177.85	-104.79	206.42	210.51	3.96	MWD_M	None
116	629.08	51.13	213.28	5.00	563.95	203.44	-181.09	-106.91	210.30	210.56	3.25	MWD_M	None
117	634.08	51.57	213.33	5.00	567.07	207.26	-184.36	-109.06	214.20	210.61	2.69	MWD_M	None
118	639.08	52.25	213.45	5.00	570.16	211.10	-187.64	-111.22	218.13	210.66	4.19	MWD_M	None
119	644.08	52.76	213.55	5.00	573.20	214.98	-190.95	-113.41	222.09	210.71	3.15	MWD_M	None
120	649.08	53.34	213.68	5.00	576.21	218.89	-194.28	-115.62	226.08	210.76	3.59	MWD_M	None
121	654.08	53.70	213.68	5.00	579.18	222.82	-197.62	-117.85	230.10	210.81	2.19	MWD_M	None
122	659.08	54.45	213.76	5.00	582.11	226.78	-200.99	-120.10	234.14	210.86	4.59	MWD_M	None
123	664.08	54.97	213.82	5.00	585.00	230.78	-204.38	-122.37	238.22	210.91	3.18	MWD_M	None
124	669.08	55.76	213.80	5.00	587.84	234.80	-207.80	-124.66	242.33	210.96	4.82	MWD_M	None
125	674.08	56.38	213.73	5.00	590.64	238.86	-211.25	-126.96	246.47	211.01	3.80	MWD_M	None
126	679.08	56.97	213.77	5.00	593.38	242.95	-214.73	-129.29	250.64	211.05	3.60	MWD_M	None
127	684.08	57.55	213.86	5.00	596.09	247.07	-218.22	-131.63	254.84	211.10	3.57	MWD_M	None
128	689.08	58.12	213.83	5.00	598.75	251.21	-221.73	-133.98	259.07	211.14	3.48	MWD_M	None
129	694.08	58.80	213.81	5.00	601.36	255.38	-225.27	-136.36	263.33	211.19	4.15	MWD_M	None
130	699.08	59.51	213.82	5.00	603.93	259.58	-228.84	-138.74	267.62	211.23	4.33	MWD_M	None
131	704.08	60.06	213.82	5.00	606.44	263.81	-232.43	-141.15	271.93	211.27	3.35	MWD_M	None
132	709.08	60.74	213.81	5.00	608.91	268.06	-236.04	-143.57	276.28	211.31	4.15	MWD_M	None
133	714.08	61.41	213.80	5.00	611.33	272.35	-239.68	-146.00	280.65	211.35	4.08	MWD_M	None
134	719.08	62.00	213.77	5.00	613.70	276.66	-243.34	-148.45	285.05	211.39	3.60	MWD_M	None
135	724.08	62.60	213.80	5.00	616.03	280.99	-247.02	-150.91	289.47	211.42	3.66	MWD_M	None
136	729.08	63.20	213.78	5.00	618.30	285.34	-250.72	-153.39	293.92	211.46	3.66	MWD_M	None
137	734.08	63.89	213.68	5.00	620.53	289.72	-254.44	-155.87	298.39	211.49	4.24	MWD_M	None
138	739.08	64.17	213.74	5.00	622.72	294.12	-258.18	-158.37	302.88	211.53	1.74	MWD_M	None
139	744.08	64.56	213.70	5.00	624.88	298.53	-261.93	-160.87	307.39	211.56	2.39	MWD_M	None
140	749.08	64.79	213.71	5.00	627.02	302.95	-265.69	-163.38	311.90	211.59	1.40	MWD_M	None
141	754.08	64.83	213.72	5.00	629.15	307.38	-269.45	-165.89	316.42	211.62	0.25	MWD_M	None
142	759.08	64.85	213.69	5.00	631.28	311.81	-273.22	-168.40	320.95	211.65	0.21	MWD_M	None
143	764.08	64.76	213.66	5.00	633.41	316.23	-276.98	-170.91	325.47	211.68	0.57	MWD_M	None
144	769.08	64.66	213.65	5.00	635.54	320.65	-280.75	-173.42	329.99	211.70	0.61	MWD_M	None
145	774.08	64.49	213.66	5.00	637.69	325.07	-284.50	-175.92	334.50	211.73	1.04	MWD_M	None
146	779.08	64.35	213.70	5.00	639.85	329.48	-288.26	-178.42	339.01	211.76	0.88	MWD_M	None
147	784.08	64.25	213.74	5.00	642.01	333.89	-292.00	-180.92	343.51	211.78	0.65	MWD_M	None
148	789.08	64.16	213.77	5.00	644.19	338.30	-295.75	-183.42	348.01	211.81	0.57	MWD_M	None
149	794.08	64.18	213.81	5.00	646.37	342.70	-299.49	-185.93	352.51	211.83	0.25	MWD_M	None
150	799.08	64.02	213.83	5.00	648.55	347.10	-303.22	-188.43	357.00	211.86	0.98	MWD_M	None
151	804.08	63.78	213.83	5.00	650.75	351.50	-306.95	-190.93	361.49	211.88	1.46	MWD_M	None
152	809.08	63.63	213.83	5.00	652.97	355.88	-310.68	-193.42	365.97	211.91	0.91	MWD_M	None
153	814.08	63.55	213.85	5.00	655.19	360.27	-314.40	-195.92	370.44	211.93	0.50	MWD_M	None
154	819.08	63.63	213.90	5.00	657.42	364.65	-318.12	-198.41	374.92	211.95	0.56	MWD_M	None
155	824.08	63.72	213.95	5.00	659.63	369.04	-321.83	-200.91	379.40	211.98	0.61	MWD_M	None
156	829.08	63.97	213.97	5.00	661.84	373.43	-325.56	-203.42	383.88	212.00	1.53	MWD_M	None

157	834.08	64.27	213.98	5.00	664.02	377.84	-329.29	-205.94	388.38	212.02	1.83	MWD_M	None
158	839.08	64.53	213.97	5.00	666.18	382.25	-333.03	-208.46	392.89	212.04	1.59	MWD_M	None
159	844.08	65.01	214.01	5.00	668.31	386.68	-336.78	-210.98	397.41	212.07	2.93	MWD_M	None
160	849.08	65.47	214.01	5.00	670.41	391.13	-340.54	-213.52	401.95	212.09	2.80	MWD_M	None
161	854.08	65.90	214.04	5.00	672.46	395.59	-344.32	-216.07	406.50	212.11	2.63	MWD_M	None
162	859.08	66.47	214.04	5.00	674.48	400.07	-348.11	-218.63	411.07	212.13	3.47	MWD_M	None
163	864.08	66.94	214.05	5.00	676.46	404.57	-351.91	-221.21	415.66	212.15	2.87	MWD_M	None
164	869.08	67.48	214.10	5.00	678.40	409.09	-355.73	-223.79	420.27	212.17	3.30	MWD_M	None
165	874.08	67.94	214.10	5.00	680.29	413.62	-359.56	-226.38	424.89	212.19	2.80	MWD_M	None
166	879.08	68.48	214.12	5.00	682.15	418.17	-363.41	-228.99	429.53	212.22	3.29	MWD_M	None
167	884.08	68.97	214.15	5.00	683.96	422.74	-367.26	-231.60	434.19	212.24	2.99	MWD_M	None
168	889.08	69.43	214.15	5.00	685.74	427.32	-371.13	-234.22	438.86	212.26	2.80	MWD_M	None
169	894.08	69.84	214.17	5.00	687.48	431.91	-375.01	-236.86	443.54	212.28	2.50	MWD_M	None
170	899.08	70.11	214.19	5.00	689.19	436.51	-378.90	-239.49	448.24	212.30	1.65	MWD_M	None
171	904.08	70.37	214.22	5.00	690.88	441.12	-382.79	-242.14	452.94	212.32	1.59	MWD_M	None
172	909.08	70.40	214.29	5.00	692.56	445.74	-386.68	-244.79	457.65	212.34	0.44	MWD_M	None
173	914.08	70.50	214.38	5.00	694.23	450.36	-390.57	-247.45	462.36	212.36	0.80	MWD_M	None
174	929.77	69.92	213.75	15.69	699.55	464.82	-402.80	-255.72	477.12	212.41	1.61	MWD_M	None
175	958.90	70.38	217.36	29.13	709.44	491.79	-425.09	-271.65	504.47	212.58	3.59	MWD_M	None
176	1031.43	71.86	227.29	72.53	732.96	560.20	-475.73	-317.81	572.12	213.74	4.00	MWD_M	None
177	1061.56	72.45	230.93	30.13	742.20	588.82	-494.50	-339.48	599.81	214.47	3.56	MWD_M	None
178	1090.97	72.64	236.97	29.41	751.03	616.57	-511.00	-362.15	626.32	215.33	5.97	MWD_M	None
179	1119.77	72.71	242.74	28.80	759.61	643.21	-524.80	-385.92	651.42	216.33	5.83	MWD_M	None
180	1149.27	72.81	246.25	29.50	768.36	669.87	-536.93	-411.34	676.38	217.46	3.47	MWD_M	None
181	1178.56	73.01	249.35	29.29	776.96	695.80	-547.50	-437.26	700.68	218.61	3.09	MWD_M	None
182	1207.68	73.11	252.09	29.12	785.45	721.03	-556.70	-463.55	724.43	219.78	2.75	MWD_M	None
183	1236.43	73.19	255.64	28.75	793.79	745.27	-564.35	-489.98	747.37	220.97	3.60	MWD_M	None
184	1265.97	73.19	259.34	29.54	802.33	769.29	-570.47	-517.58	770.28	222.22	3.65	MWD_M	None
185	1295.26	75.10	260.12	29.29	810.33	792.63	-575.49	-545.30	792.81	223.46	2.14	MWD_M	None
186	1324.52	77.31	260.66	29.26	817.31	816.07	-580.38	-573.29	815.79	224.65	2.30	MWD_M	None
187	1353.14	80.46	259.60	28.62	822.83	839.30	-585.34	-600.93	838.89	225.75	3.39	MWD_M	None
188	1382.46	83.82	258.62	29.32	826.84	863.53	-590.83	-629.45	863.30	226.81	3.64	MWD_M	None
189	1411.86	84.45	254.99	29.40	829.84	888.56	-597.50	-657.92	888.74	227.76	3.80	MWD_M	None
190	1438.99	84.34	253.00	27.13	832.49	912.32	-604.95	-683.87	913.04	228.50	2.23	MWD_M	None
191	1469.73	84.22	251.43	30.74	835.56	939.68	-614.29	-712.99	941.12	229.25	1.55	MWD_M	None
192	1495.08	83.10	249.56	25.35	838.36	962.55	-622.70	-736.74	964.65	229.80	2.61	MWD_M	None
193	1524.61	83.35	248.29	29.53	841.84	989.48	-633.25	-764.10	992.40	230.35	1.33	MWD_M	None
194	1557.55	81.71	246.72	32.94	846.12	1019.80	-645.74	-794.28	1023.65	230.89	2.09	MWD_M	None
195	1586.20	81.97	245.06	28.65	850.19	1046.41	-657.32	-820.16	1051.07	231.29	1.77	MWD_M	None
196	1615.69	82.06	242.94	29.49	854.29	1074.13	-670.13	-846.41	1079.57	231.63	2.17	MWD_M	None
197	1645.11	82.29	241.37	29.42	858.29	1102.07	-683.74	-872.18	1108.24	231.91	1.63	MWD_M	None
198	1674.05	82.03	240.31	28.94	862.24	1129.74	-697.71	-897.21	1136.57	232.13	1.14	MWD_M	None
199	1703.12	82.32	238.35	29.07	866.20	1157.72	-712.40	-921.98	1165.15	232.31	2.06	MWD_M	None
200	1732.30	82.20	236.84	29.18	870.13	1186.01	-727.89	-946.39	1193.94	232.44	1.57	MWD_M	None
201	1761.47	82.34	235.21	29.17	874.05	1214.44	-744.05	-970.36	1222.79	232.52	1.69	MWD_M	None
202	1790.91	82.17	232.75	29.44	878.02	1243.30	-761.20	-993.96	1251.95	232.55	2.53	MWD_M	None
203	1819.75	82.34	230.57	28.84	881.91	1271.72	-778.92	-1016.37	1280.52	232.53	2.29	MWD_M	None
204	1849.17	82.20	228.35	29.42	885.86	1300.81	-797.87	-1038.52	1309.63	232.47	2.28	MWD_M	None
205	1878.57	82.21	225.34	29.40	889.85	1329.93	-817.79	-1059.77	1338.62	232.34	3.09	MWD_M	None
206	1907.72	83.13	222.85	29.15	893.57	1358.83	-838.56	-1079.89	1367.23	232.17	2.76	MWD_M	None
207	1936.37	83.16	219.37	28.65	896.99	1387.18	-859.98	-1098.59	1395.16	231.95	3.68	MWD_M	None
208	1965.65	83.33	216.22	29.28	900.44	1415.98	-882.96	-1116.40	1423.36	231.66	3.26	MWD_M	None
209	1994.86	83.27	219.15	29.21	903.85	1444.70	-905.91	-1134.13	1451.53	231.38	3.04	MWD_M	None
210	2024.29	83.27	221.55	29.43	907.30	1473.80	-928.19	-1153.06	1480.23	231.17	2.47	MWD_M	None
211	2053.19	83.24	220.75	28.90	910.69	1502.41	-949.80	-1171.94	1508.50	230.98	0.84	MWD_M	None
212	2082.34	82.86	221.32	29.15	914.22	1531.26	-971.62	-1190.94	1537.01	230.79	0.71	MWD_M	None
213	2111.43	82.87	221.69	29.09	917.83	1560.04	-993.24	-1210.07	1565.50	230.62	0.38	MWD_M	None
214	2140.76	82.95	221.72	29.33	921.45	1589.08	-1014.97	-1229.43	1594.26	230.46	0.09	MWD_M	None
215	2169.42	83.04	221.71	28.66	924.95	1617.46	-1036.20	-1248.36	1622.38	230.31	0.10	MWD_M	None
216	2198.60	82.92	221.88	29.18	928.51	1646.36	-1057.80	-1267.66	1651.03	230.16	0.22	MWD_M	None
217	2227.83	82.95	222.43	29.23	932.11	1675.31	-1079.30	-1287.13	1679.76	230.02	0.57	MWD_M	None
218	2257.56	83.07	223.04	29.73	935.73	1704.78	-1100.97	-1307.15	1709.03	229.89	0.63	MWD_M	None
219	2286.54	82.81	223.64	28.98	939.29	1733.52	-1121.89	-1326.89	1737.61	229.79	0.68	MWD_M	None
220	2315.08	82.92	223.72	28.54	942.83	1761.82	-1142.37	-1346.45	1765.77	229.69	0.14	MWD_M	None
221	2344.40	82.93	223.65	29.32	946.44	1790.90	-1163.41	-1366.55	1794.71	229.59	0.07	MWD_M	None
222	2373.54	82.81	224.10	29.14	950.06	1819.80	-1184.26	-1386.59	1823.48	229.50	0.48	MWD_M	None
223	2402.26	82.90	224.09	28.72	953.63	1848.28	-1204.72	-1406.42	1851.85	229.42	0.10	MWD_M	None
224	2431.99	82.78	224.18	29.73	957.34	1877.77	-1225.89	-1426.96	1881.23	229.33	0.15	MWD_M	None
225	2461.30	83.07	224.67	29.31	960.95	1906.85	-1246.67	-1447.32	1910.21	229.26	0.59	MWD_M	None
226	2490.43	82.98	224.61	29.13	964.49	1935.76	-1267.24	-1467.64	1939.03	229.19	0.11	MWD_M	None
227	2519.16	82.90	225.31	28.73	968								

**1:500 Measured Depth
Real Time Mode Log**