


Rig: **Ocean Bounty** State: **Victoria**

Rig: Ocean Bounty Field: VIC/P-41 Location: Gippsland Basin Well: Northright1 Company: Eagle Bay Resources			ARC Resistivity / GR / APWD										
			Measured Depth										
	Scale 1:200												
	Location		Total depth:		391 m		Elevation	K.B.		25.0 m			
			Spud date:		26 April 01			G.L.		-105.53 m			
			Runs:		1 To 1			D.F.		25.0 m			
			Permanent datum:		LAT		Elev.:		Rotary Table				
	Log measured from:		Rotary Table		25.0 m		above Perm. datum						
	Depth reference:		Driller's Pipe Tally										
	API serial no.		Vertical Section			Longitude		Latitude					
		0 deg			E149 8' 58.72		S37 55' 57.57						
Depth logged:		250 m To 391 m		Mag decl:		13.35 deg		Other services:					
Date logged:		28 Apr 01 To 29 Apr 01		Mag dip:		-68.39 deg		MWD					
Bore hole record						Casing record							
Hole size		from		to		Size		Density		from		to	
12.25 in		153 m		250 m		9.625 in		36 lb/ft		130 m		247 m	
8.5 in		250 m		391 m									
Mud record						Borehole deviation record							
Type		from		to		Min		Max		from		to	
KCl / Polymer		250 m		391 m		0.06 deg		0.35 deg		250 m		391 m	
Surface equipment				Software record				<div>IDEAL</div> <div>services from</div> <div>Anadrill</div>					
Unit		TWIS		IDEAL Wis		6.1c_03							
Depth system		Geolograph		SPM		6.1c_03							
				LWD		6.3							
				MWD		6.1							

Bit Run Summary

[illegible]

Type		KCl/Polymer									
Mud weight	sg	1.1									
Solids	%	5									
Chlorides	mg/l	31,000									
Rm	ohm.m @ degC	0.149 @ 26									
Rmf	ohm.m @ degC	0.138 @ 28									
Rmc	ohm.m @ degC	0.208 @ 28									
Potassium	mg/l	27,000									
Environmental data											
GR											
Mud weight	sg	1.1									
Bit size	in	8.5									
Resistivity											
Neutron porosity											
Hole Size											
Mud weight											
Temperature											
Mud salinity											
Formation salinity											
Recording rate 1	SEC	5									
Recording rate 2	SEC	5									
Filtering GR		3 point									
Filtering density											
Filtering Neutron											
Company representative		M.Jackson	T.Bray								
Anadrill personnel		A.Strahan	M.Saicic								

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 RUN1 MWD 4-axis vibration/shock monitoring APWD monitoring	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 1 Drilled in rotary mode from 250-391m Environmental corrections applied: ARC GR - K+, borehole size and mud weight ARC Resistivity is borehole compensated but not environmentally corrected 28 Apr 01 7:15 Initilise ARC#87 8:30 BHA below rotary table 15:40 On bottom drilling at 250m 29 Apr 01 2:30 TD at 391m 4:30 BHA above rotary table. Layout BHA 5:00 Download memory data from ARC	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

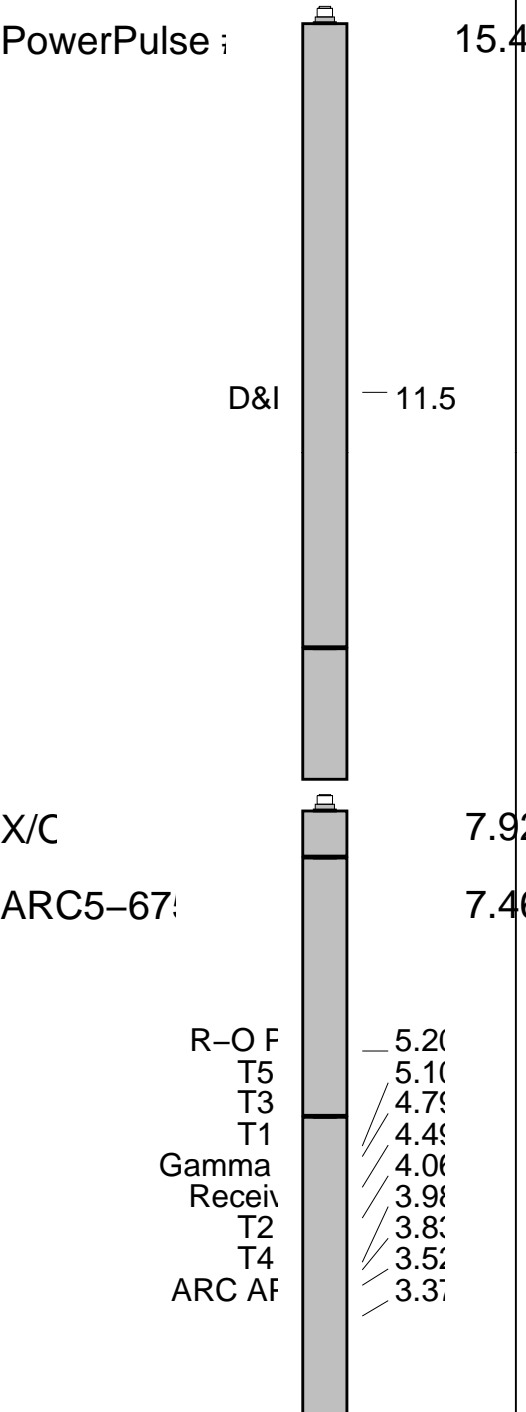
EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

DOWNHOLE E



X/C 1.97

Float S 1.16

Bit-Tric 0.00 0.24

MAXIMUM STRING DI

ALL LENGTHS I

IDEAL Version: ID6_1C_03

IDF

ARC5_675

id6_1c_03

MWD_10

id6_1c_03

Format: APWD_MVC Vertical Scale: 1:200

Graphics File Created: 29-Apr-2001 10:35

Parameters

DLIS Name	Description	Value
AAPS	ARC5 Attenuation and Phase-Shift source	1_UPHOLE
APICG	ARC5 Gamma Ray Gain Factor	1.091
ATRN	ARC5 Tool Run Number	EAGLEBAYAARC APWD PP
ATSN	ARC5 Tool Serial Number	087
BHFCT_ARC	ARC5:GR Borehole Factor	1.740
BS_RM	Bit Size (RM)	8.500 in
DO	Depth Offset	0.0 m
KPER	ARC5:Potassium Concentration	27000.0
MST_RM	Mud Sample temperature (RM)	26.100 degC
MW_RM	Mud Weight (RM)	9.180 lbm/gal
RMS_RM	Resistivity of Mud Sample (RM)	0.149 ohm.m
VERS_ARC	ARC5 Down hole software version Number	6.300
WRK	ARC5: Way to Report Potassium Concentration	POTASSIUM_BY_PARTS_PER_MILLION IE MG/KG

ARC Calibrated, Filtered Gamma Ray
(GR_ARC_FILT)

0 (GAPI) 200

MWD Shock Count Rate, over 25G
(SHKR_RT)

0 (SH/S) 100

Rate of Penetration, Averaged over Last
5ft (ROP5_RM)

200 (M/HR) 0

MWD Lateral Vib (MSP2)

0 (G) 60

MWD Vib X-Axis (MSP1)

0 (G) 20

ARC Non-BHCorr Phase-Shift
Resistivity 28-in. at 2 MHz (P28H_UNC)

0.2 (OHMM) 200

MWD Turbine RPM (TRPM_RT)

0 (RPM) 4000

ARC Non-BHCorr Phase-Shift
Resistivity 34-in. at 2 MHz (P34H_UNC)

0.2 (OHMM) 200

Equivalent Circulating Density (ECD_
ARC)

8 (LB/G) 18

ARC Non-BHCorr Phase-Shift
Resistivity 40-in. at 2 MHz (P40H_UNC)

0.2 (OHMM) 200

Annulus Temperature (ATMP)

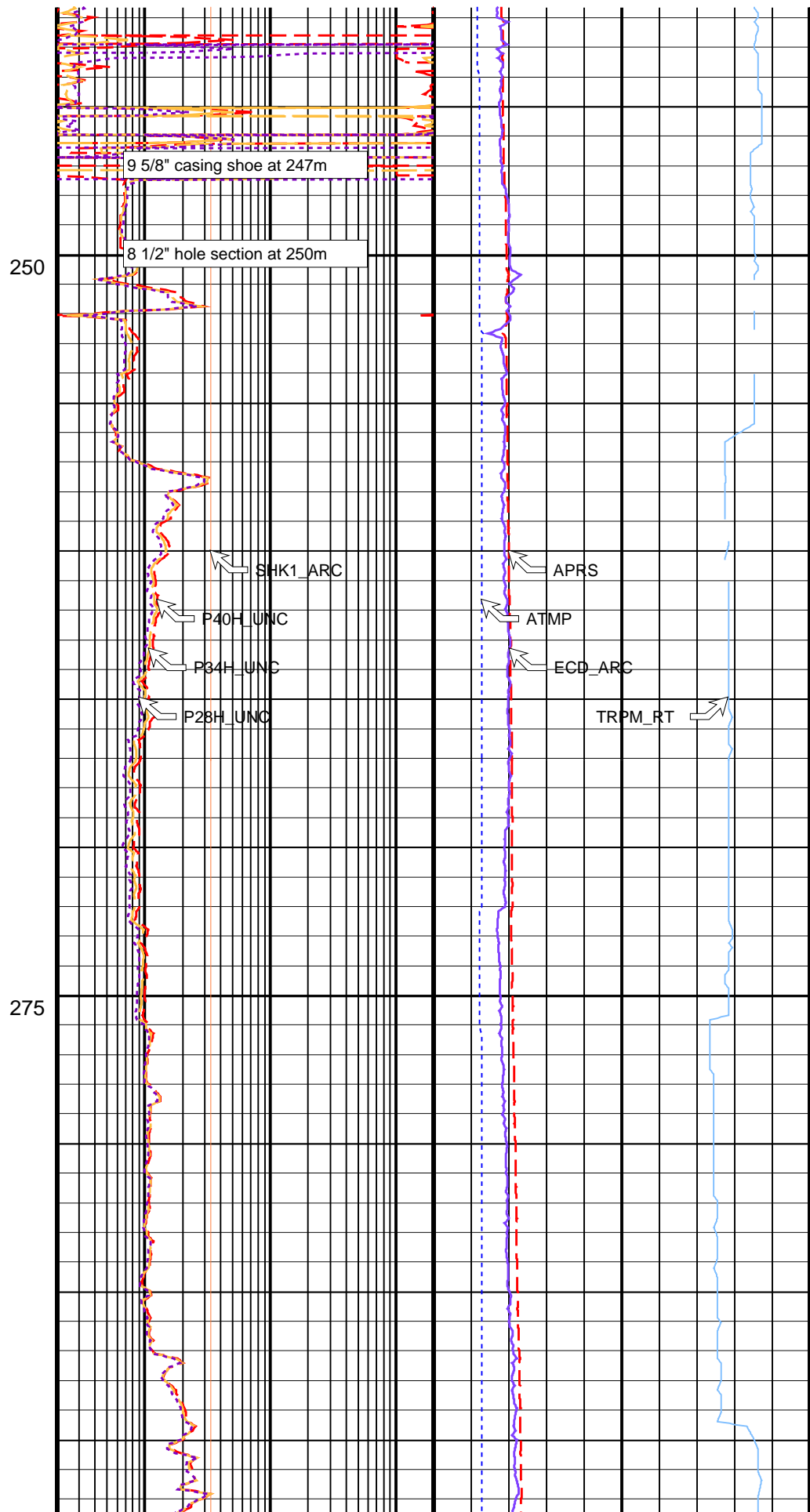
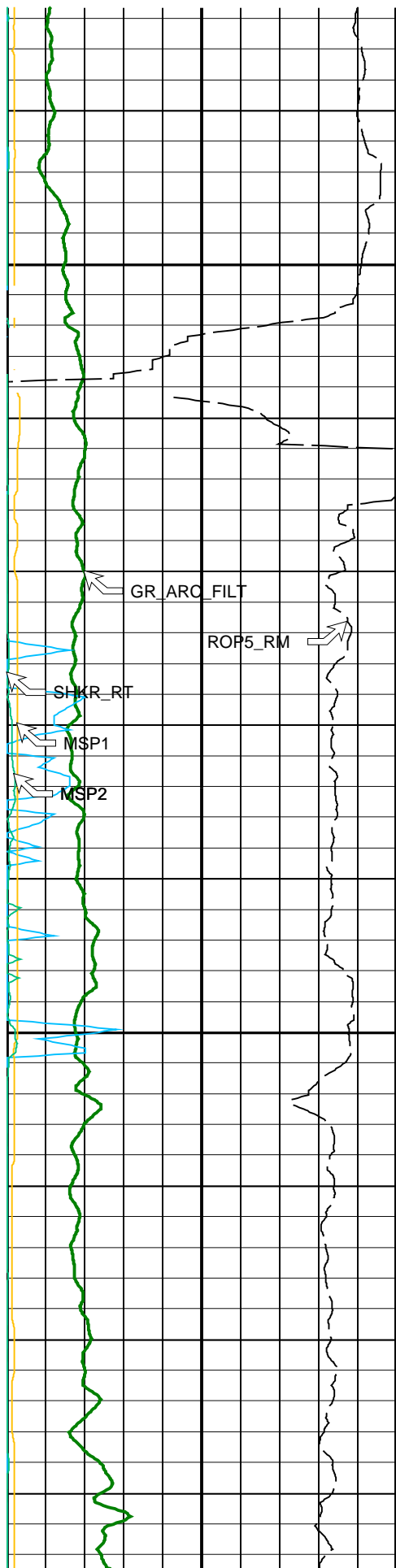
0 (DEGC) 200

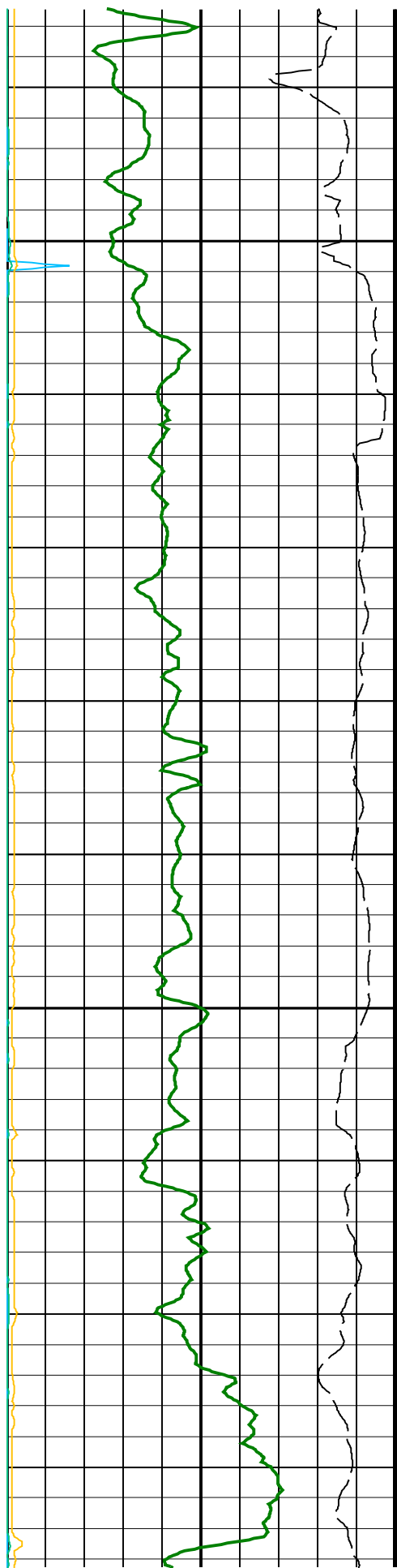
ARC Average Tool Shocks (SHK1_ARC)

0.2 (CPS) 100

Annulus Pressure (APRS)

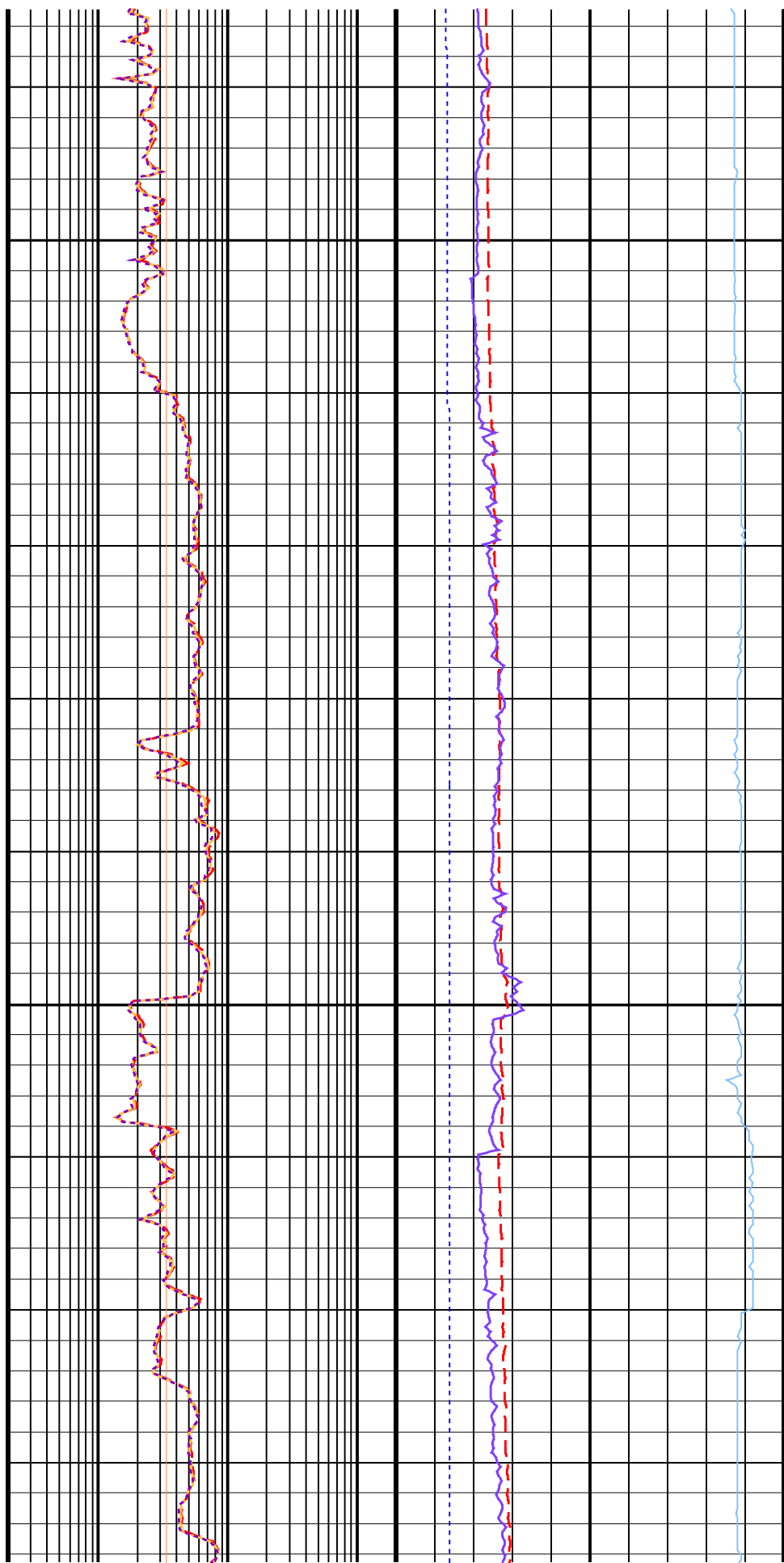
0 (PSI) 2000

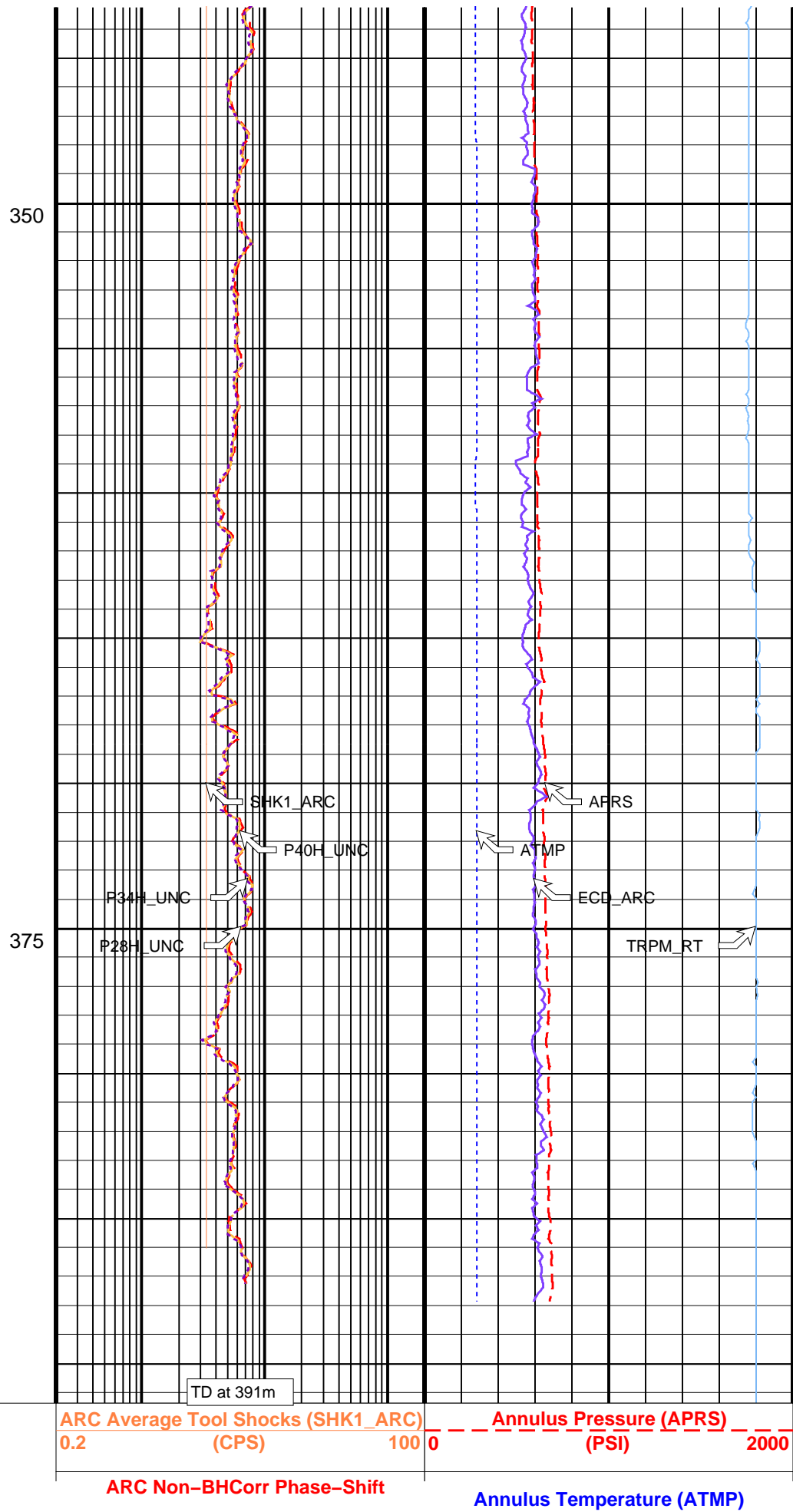
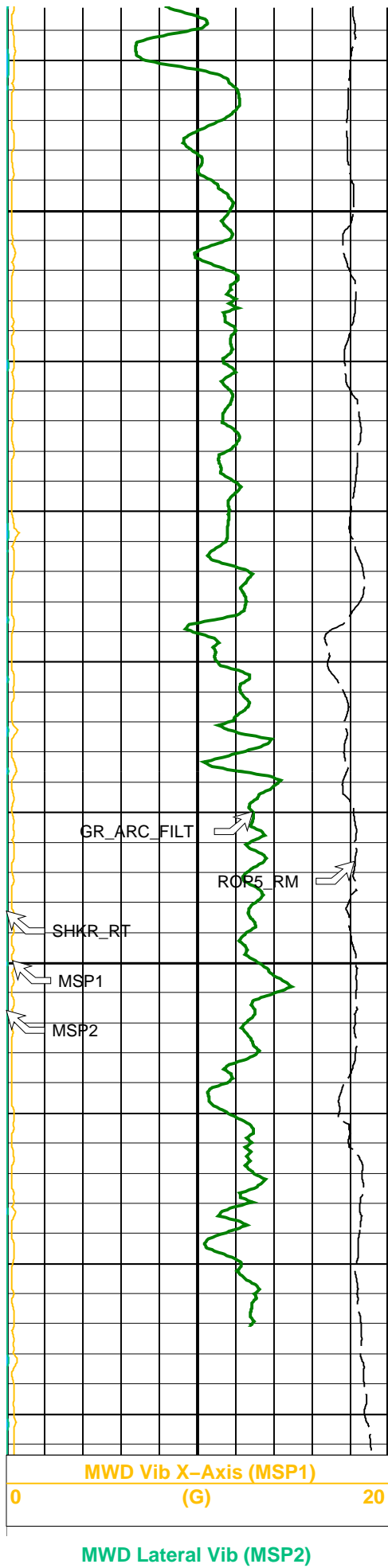




300

325





MWD Lateral Vib (MSP2)		
0	(G)	60
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)		
200	(M/HR)	0
MWD Shock Count Rate, over 25G (SHKR_RT)		
0	(SH/S)	100
ARC Calibrated, Filtered Gamma Ray (GR_ARC_FILT)		
0	(GAPI)	200

ARC Non-BHCorr Phase-Shift Resistivity 40-in. at 2 MHz (P40H_UNC)		
0.2	(OHMM)	200
ARC Non-BHCorr Phase-Shift Resistivity 34-in. at 2 MHz (P34H_UNC)		
0.2	(OHMM)	200
ARC Non-BHCorr Phase-Shift Resistivity 28-in. at 2 MHz (P28H_UNC)		
0.2	(OHMM)	200

Annulus Temperature (ATMP)		
0	(DEGC)	200
Equivalent Circulating Density (ECD_ ARC)		
8	(LB/G)	18
MWD Turbine RPM (TRPM_RT)		
0	(RPM)	4000

IDEAL Version: ID6_1C_03
IDF





ARC5_675 id6_1c_03 MWD_10 id6_1c_03

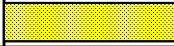
6.75-in. Array Resistivity Compensated / Equipment Identification

Primary Equipment:
Tool Name and Serial Number ARC – 675 #087
ARC675 Calibration Status OK

Master: 25-APR-01											
6.75-in. Array Resistivity Compensated Calibration											
Resistivity: Air											
Phase	Phase-Shift T1 DEG		Value	Phase	Phase-Shift T2 DEG		Value	Phase	Phase-Shift T3 DEG		Value
Master			-0.2200	Master			0.5200	Master			-0.3600
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T4 DEG		Value	Phase	Phase-Shift T5 DEG		Value	Phase	Phase-Shift T1 at 400KHz DEG		Value
Master			0.4200	Master			-0.4200	Master			-0.5800
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T2 at 400KHz DEG		Value	Phase	Phase-Shift T3 at 400KHz DEG		Value	Phase	Phase-Shift T4 at 400KHz DEG		Value
Master			0.6400	Master			-0.5800	Master			0.6400
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T5 at 400KHz DEG		Value								
Master			-0.5500								
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)								

Master: 25-APR-01											
6.75-in. Array Resistivity Compensated Calibration											
Resistivity: Air											
Phase	Attenuation T1 DB		Value	Phase	Attenuation T2 DB		Value	Phase	Attenuation T3 DB		Value
Master			8.550	Master			6.485	Master			5.159
	6.500 (Minimum)	8.500 (Nominal)	10.50 (Maximum)		4.500 (Minimum)	6.500 (Nominal)	8.500 (Maximum)		2.500 (Minimum)	4.500 (Nominal)	6.500 (Maximum)
Phase	Attenuation T4 DB		Value	Phase	Attenuation T5 DB		Value	Phase	Attenuation T1 at 400KHz DB		Value
Master			4.329	Master			3.671	Master			8.510
	2.600 (Minimum)	4.600 (Nominal)	6.600 (Maximum)		1.600 (Minimum)	3.600 (Nominal)	5.600 (Maximum)		6.500 (Minimum)	8.500 (Nominal)	10.50 (Maximum)

2.600 (Minimum)	4.600 (Nominal)	6.600 (Maximum)		1.600 (Minimum)	3.600 (Nominal)	5.600 (Maximum)		6.500 (Minimum)	8.500 (Nominal)	10.50 (Maximum)	
Phase	Attenuation T2 at 400KHz	DB	Value	Phase	Attenuation T3 at 400KHz	DB	Value	Phase	Attenuation T4 at 400KHz	DB	Value
Master			6.470	Master			5.110	Master			4.360
4.500 (Minimum)	6.500 (Nominal)	8.500 (Maximum)		2.500 (Minimum)	4.500 (Nominal)	6.500 (Maximum)		2.600 (Minimum)	4.600 (Nominal)	6.600 (Maximum)	
Phase	Attenuation T5 at 400KHz	DB	Value								
Master			3.670								
1.600 (Minimum)	3.600 (Nominal)	5.600 (Maximum)									

Master: 25-APR-01			
6.75-in. Array Resistivity Compensated Calibration			
Gamma Ray: Blanket			
Phase	Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS		Value
Master			5.237
	3.840 (Minimum)	4.800 (Nominal)	6.000 (Maximum)

Company:

Eagle Bay Resources

Well:

Northright-1

Exploration

Field:

VIC/P-41

Rig:

Ocean Bounty

State:

Victoria