

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

Rig: Ocean Bounty Field: VIC/P-41 Location: Gippsland Basin Well: Northright1 Company: Eagle Bay Resources	<div>Schlumberger</div>				ARC Resistivity / GR / APWD Measured Depth Scale 1:500								
	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				IDEAL services from Anadrill					
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									
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	sg	1.1									
Bit size	in	8.5									
<b>Resistivity</b>											
<b>Neutron porosity</b>											
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								

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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

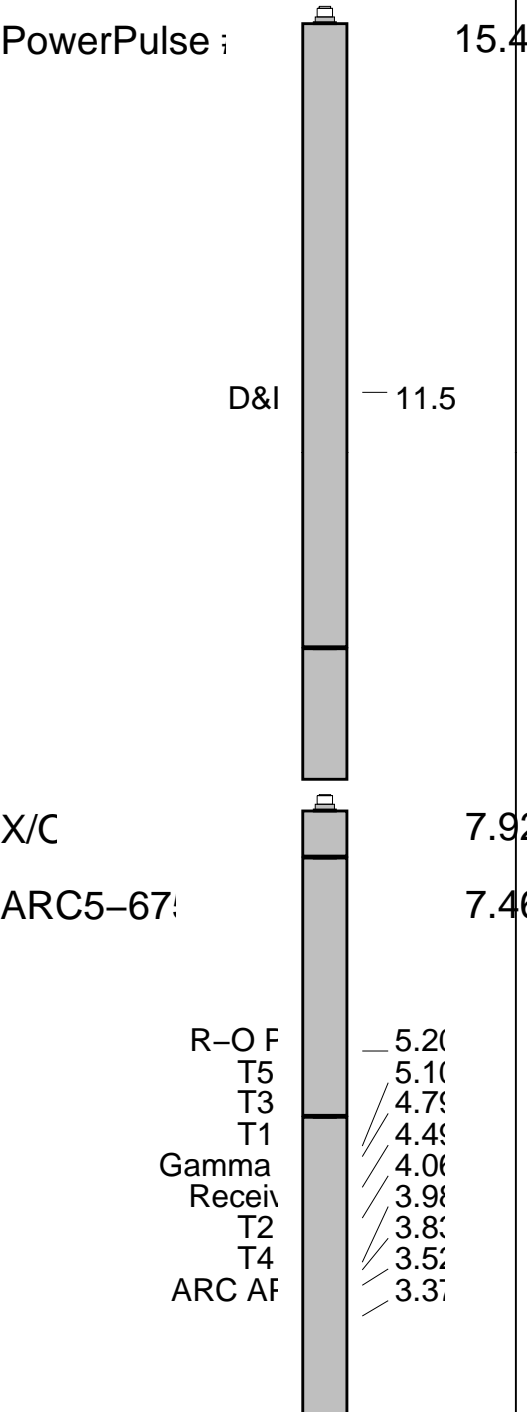
EQUIPMENT DESCRIPTION

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: 1:500

Graphics File Created: 29-Apr-2001 12:50

### 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)

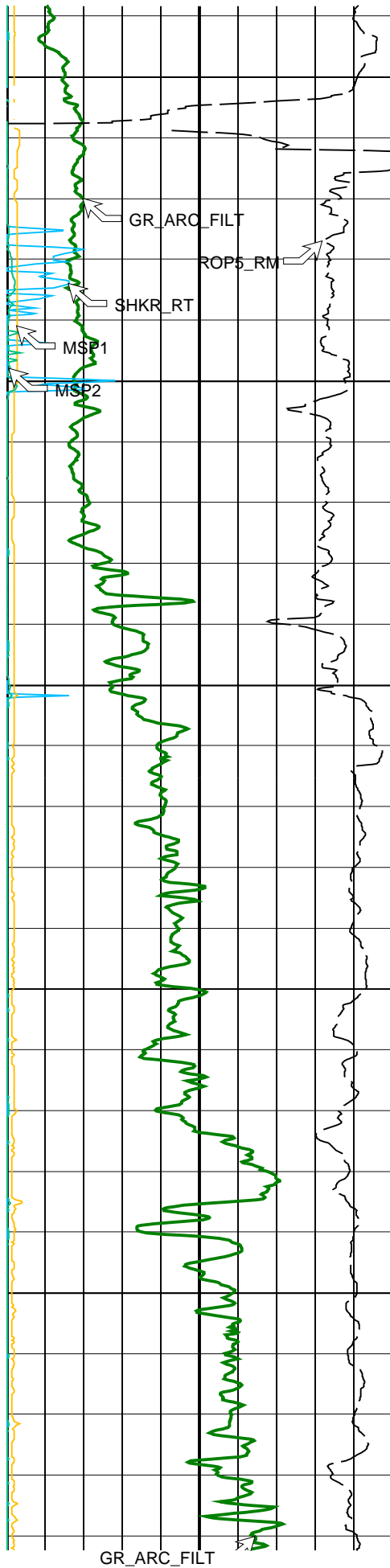
0 (DEGC) 200

ARC Average Tool Shocks (SHK1\_ARC)

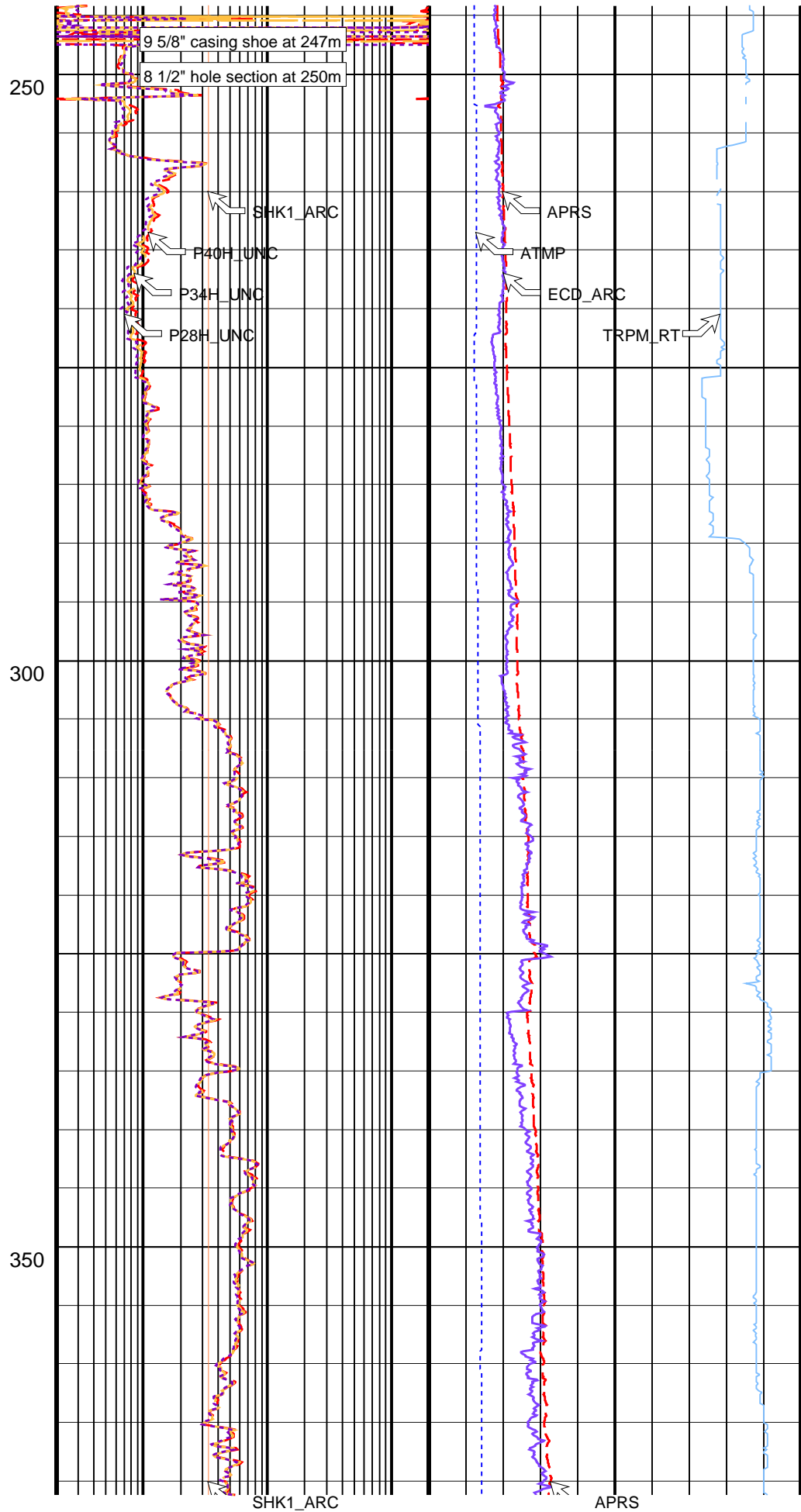
0.2 (CPS) 100

Annulus Pressure (APRS)

0 (PSI) 2000



GR\_ARC\_FILT



250

300

350

9 5/8" casing shoe at 247m

8 1/2" hole section at 250m

SHK1\_ARC

P40H\_UNC

P34H\_UNC

P28H\_UNC

APRS

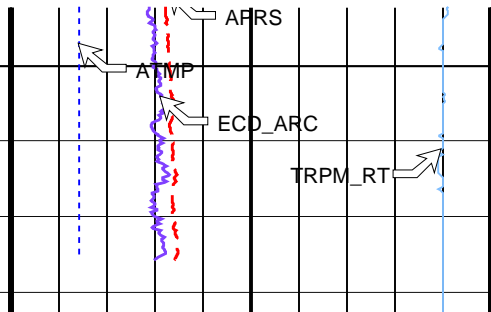
ATMP

ECD\_ARC

TRPM\_RT

SHK1\_ARC

APRS



ARC Average Tool Shocks (SHK1_ARC)	Annulus Pressure (APRS)
0.2 (CPS) 100	0 (PSI) 2000
ARC Non-BHCCorr Phase-Shift Resistivity 40-in. at 2 MHz (P40H_UNC)	Annulus Temperature (ATMP)
0.2 (OHMM) 200	0 (DEGC) 200
ARC Non-BHCCorr Phase-Shift Resistivity 34-in. at 2 MHz (P34H_UNC)	Equivalent Circulating Density (ECD_ARC)
0.2 (OHMM) 200	8 (LB/G) 18
ARC Non-BHCCorr Phase-Shift Resistivity 28-in. at 2 MHz (P28H_UNC)	MWD Turbine RPM (TRPM_RT)
0.2 (OHMM) 200	0 (RPM) 4000

ARC5_675	id6_1c_03	MWD_10	id6_1c_03
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ARC - 675 #087  
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	0.1000	4.100								

-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
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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)
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

IDEAL services from Anadrill

ARC Resistivity / GR / APWD  
Measured Depth  
Scale 1:500

