



Apache Northwest Pty Ltd

WIRELINE LOGGING Observers Log / Time Summary

GENERAL WELL DATA			
Well Name :	Coelacanth-1	Suite :	2
Permit :	VIC/P-45	Date 1st Log :	22-Mar-2008
Latitude :	038° 42' 49.730" South	Date Last Log :	
Longitude :	148° 18' 07.010" East	Depth Ref. :	LWD run 5
Easting (m) :	613,192.770 E	Depth Ref. Elev. :	38.0 (m)
Northing (m) :	5,714,176.613 S	Service Comp. :	Schlumberger
UTM Zone :	55	Rig :	West Triton
Geo. Datum :	NAD83, GDA94	GL Elevation :	
Ellipsoid :	Geodetic Reference System 1980	Water Depth :	90.0 (m)
		Witnesses :	A. Cruickshank, F. Dandies, M. Dawson, V. Torlov
		Engineers :	

HOLE DATA			
Hole Size :	216.0 (mm)	Seabed Temp :	15.0 (°C)
Driller's Depth :	3,074.0 (m)	Surface Temp :	17.0 (°C)
Logger's Depth :		Max BHT :	80.0 (°C)
Survey Type :		Max Hole Dev :	1.0 (°)
		Max Dev Depth :	1,806.5 (m)

Hole Problems : No tight hole problems

Date	Time From	Time To	Elapsed Time (h)	Cumm. Time (h)	Logging Code	Event Description
Run Number : 1 VSI-GR						
22 Mar 2008	06:10	06:10	0.00	0.00	Tripping	Circulated on bottom for 3.9 hours. Last circulation on bottom 06:07am 22/03/2008
	06:10	13:45	7.58	7.58	Tripping	Back reamed section from 2700m - 2433m for ADN data acquisition. Last circulation time xx.xx
	13:45	00:01	10.27	17.85	Tripping	POOH to surface - Lay out radio active source and LWD tools.
23 Mar 2008	00:01	00:25	0.40	18.25	Logging	Commence rigging up sheaves & remove sampson post.
	00:25	00:35	0.17	18.42	Logging	Hold JSA with rig crew
	00:35	01:14	0.65	19.07	Logging	Pick up & make up VSI tool.
	01:14	01:17	0.05	19.12	Logging	Power up tool and calibrate.
	01:17	01:19	0.03	19.15	Logging	Zero tool
	01:19	01:59	0.67	19.82	Logging	RIH to 449m.
	01:59	04:25	2.43	22.25	Lost Time	Wait on crane to deploy guns. Wait inside casing.
	04:25	04:40	0.25	22.50	Lost Time	Wait on crane crew to perform JSA. Perform correlation run from casing shoe whilst waiting.
	05:20	05:30	0.17	22.67	Logging	Run in hole after WOW
	05:30	05:40	0.17	22.83	Logging	QC test shot
	05:40	06:00	0.33	23.17	Logging	QC shot 2
	06:00	07:15	1.25	24.42	Logging	Run in hole to 2550 mMDRT
	07:15	07:40	0.42	24.83	Logging	QC shot at 2550m
	07:40	08:00	0.33	25.17	Logging	Correlation pass at 2550m
	08:00	08:18	0.30	25.47	Logging	Pull back to 2365m, open calipers log up to 2357m, test shots at 2357m
08:18	08:55	0.62	26.08	Logging	Close calipers, Run in hole to td	
08:55	09:00	0.08	26.17	Logging	At first station: 3019.27m	
09:00	09:05	0.08	26.25	Logging	Move to station 2: 2973m	
09:05	09:12	0.12	26.37	Logging	At 2973.54m (station 2)	
09:12	09:15	0.05	26.42	Logging	Move to station 3	
09:15	09:30	0.25	26.67	Logging	Record surveys from 2973.54m to 2882.11m	

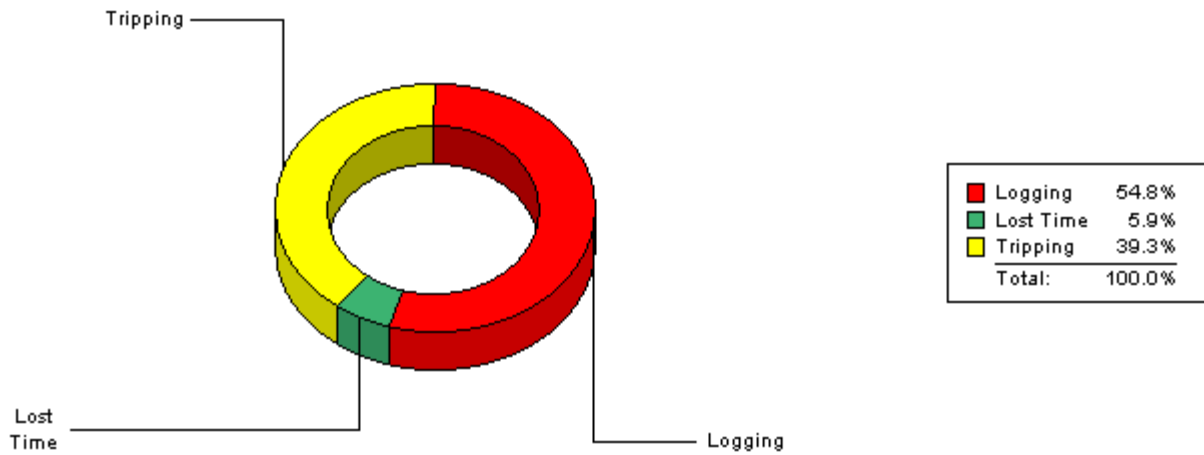
Date	Time From	Time To	Elapsed Time (h)	Cumm. Time (h)	Logging Code	Event Description
23 Mar 2008	09:30	10:00	0.50	27.17	Logging	Record surveys from 2836.39m to 2744.95m
	10:00	10:15	0.25	27.42	Logging	Record surveys from 2699.23 to 2653.29m
	10:15	11:00	0.75	28.17	Logging	Record surveys from 2653.29 to 2424.91m
	11:00	11:30	0.50	28.67	Logging	Record surveys from 2424.91 to 2379.19m
	11:30	12:00	0.50	29.17	Logging	Record surveys from 2379.19 to 2104.87m.
	12:00	12:30	0.50	29.67	Logging	Record surveys from 2104.87 to 1876.27m.
	12:30	13:10	0.67	30.33	Logging	Record surveys from 1876.27 to 1647.6m.
	13:10	13:30	0.33	30.67	Logging	Record surveys from 1647.6 to 1556.23m.
	13:30	14:00	0.50	31.17	Logging	Record surveys from 1876.27 to 1373.3m.
	14:00	14:45	0.75	31.92	Logging	Record surveys from 1373.3 to 1190.41m.
	14:45	15:05	0.33	32.25	Logging	Record surveys from 1190.41 to 1053.27m.
	15:05	15:30	0.42	32.67	Logging	Record surveys from 1053.27 to 916.1m.
	15:30	16:20	0.83	33.50	Logging	Record surveys from 916.1 to 575m.
	16:20	17:00	0.67	34.17	Logging	Record surveys from 575 to 321.5m.
	17:00	17:15	0.25	34.42	Logging	Record surveys from 321.5 to 184.66m.
	17:15	17:30	0.25	34.67	Logging	Record surveys from 184.66 to 93.19m.
	17:30	17:45	0.25	34.92	Logging	Pooh to surface
	17:45	18:45	1.00	35.92	Logging	Commence rig down, rig down complete @ xxxhrs
Cumulative Run Time (Hrs):						35.92
Run Number : 2 CST						
23 Mar 2008	18:00	19:35	1.58	1.58	Logging	This Ops Diarly continues from Suite 1 - Run 1 VSI. Set up CST - Obtain final permits.
	19:35	19:45	0.17	1.75	Logging	Held JSA with rig crew
	19:45	20:15	0.50	2.25	Logging	Put together CST and pre log checks
	20:15	21:20	1.08	3.33	Logging	RIH
	21:20	21:30	0.17	3.50	Logging	Primary correlation 3017m-2952m
	21:30	21:35	0.08	3.58	Logging	RIH to correlate on depth
	21:35	21:47	0.20	3.78	Logging	Correlate on depth 3050m-2987m
	21:47	21:50	0.05	3.83	Logging	Commence sidewall cores at point #1 3052.5m
	21:50	22:25	0.58	4.42	Logging	Core samples typically pulling 2000-3500 ft/lb Adjust depth +03m for Shot #5 - continue SWC.
	22:07	22:10	0.05	4.47	Logging	Correlation pass 2983-2960m Adjust +0.3
	22:10	22:27	0.28	4.75	Logging	Perform samples 5 - 7.
	22:27	22:42	0.25	5.00	Logging	Correlate 2967 - 2877m Adj +0.4m Recorrelate on depth
	22:42	22:46	0.07	5.07	Logging	RIH for points 8-14.
	22:46	23:15	0.48	5.55	Logging	Continue sidewall cores 8 - 14
	23:15	23:25	0.17	5.72	Logging	Correlation pass for points 15-25 2806m- 2770m
	23:25	23:27	0.03	5.75	Logging	RIH for points 15-25.
	23:27	23:56	0.48	6.23	Logging	Continue sidewall cores 15-25
	23:56	00:04	0.13	6.37	Logging	Correlate points 26-30. 2674m-2641m
24 Mar 2008	00:04	00:15	0.18	6.55	Logging	Continue sidewall cores 26-30.
	00:15	02:00	1.75	8.30	Logging	30 cores completed - POOH.
	02:00	03:10	1.17	9.47	Logging	Rig to Apache @ 03:10 hrs.
Cumulative Run Time (Hrs):						45.38

Wireline Logging Time Summary

	Logging	Lost Time	Tripping	Total
VSI-GR	15.38	2.68	17.85	35.92
CST	9.47	-	-	9.47
Total	24.85	2.68	17.85	45.38

Units in decimal hours

Summary of Elapsed Time / Logging Run



Wireline Logging Detailed Time Breakdown

		1	2	Total
Logging	Hold JSA	0.17	0.17	0.33
	Rig up Sheave Wheels	0.40	-	0.40
	Make Up Tools	0.65	2.08	2.73
	Pre Log Tool Checks	0.08	-	0.08
	RIH	2.70	1.27	3.97
	Correlation Pass	0.33	0.97	1.30
	Coring	-	2.07	2.07
	Pretests	1.22	-	1.22
	Siesmic survey	8.58	-	8.58
	POOH	0.25	1.75	2.00
	Rig Down Tools	1.00	1.17	2.17
	Total	15.38	9.47	24.85
Lost Time	Wait on Cranes	2.68	-	2.68
		Total	2.68	0.00
Tripping	Backream	7.58	-	7.58
	Trip Out of Hole	10.27	-	10.27
		Total	17.85	0.00
Total		35.92	9.47	45.38

Units in decimal hours