Culverin 1

Field - Gippsland Basin

FINAL WELL REPORT

Nexus Australia

Part 1 : Summary Data

- General Well Details
- HSE Performance

General Well Details

Well Objective :

1. To evaluate the hydrocarbon potential of the coastalbarrier sandstones at the 67.5Ma level (upper part of the Latrobe Group) and costal plain sandstones occurring at the 68.5 to 70.3 Ma level (Intra-Latrobe Group)
2. Acquire suitable log data to adequately characterise the reservior sands and correlate to nearby wells in a cost effective manner.
3. Should hydrocarbons be encountered, approval may be sought to deepen the well to penetrate the 74 Ma marker (3,827mRT)

Country :	Australia
Licence :	Vic P56
Field :	Gippsland Basin
Well :	Culverin 1
Well Type :	Exploration
Status :	Plugged and Abandoned
Operating Company :	Nexus Energy Services Pty Ltd
Rig :	DOGC - OCEAN PATRIOT

Latitude :	38 Deg 24 Min 8.14 Sec
Longitude :	148 Deg 39 Min 14.92 Sec
Spheroid :	Australian National
Datum :	GDA 94
Projection :	55 Zone
Seismic Line :	Volador 3D Line 299
Shotpoint :	883
UTM North :	5748256.4
UTM East :	644437.3
RT - MSL :	21.5m
Water Depth :	585.0m
Planned TD :	3590.0m MDBRT
Driller's TD :	3758.0m MDBRT

Rig Move In Date / Time :	06 Nov 2005 / 03:00
Spud Date / Time :	16 Dec 2005 / 13:30
TD Reached Date / Time :	06 Jan 2006 / 24:00
Rig Released Date / Time :	15 Jan 2006 / 15:00
Total Days Spud :	29.44
Total Days on Operations :	33.4
Total Days Budgeted :	

AFE Well Cost :	$22,699,889
Actual Well Cost :	$22,178,059

HSE Summary

Well Name: Culverin 1

HSE Events	Number
Abandon Drill	7
Environental Issue	4
Fire Drill	5
JSA	484
Lost Workday Case	3
Man Overboard Drill	1
Safety Meeting	18
STOP Card	NaN
Trip / Kick Drill	2

HSE Performance

Well Name: Culverin 1				
Event (# of)	**Date**	**Time**	**Short Description**	**Extended Description**
Abandon Drill(1)	18 Dec 2005	1030	Held weekly abandon rig drill	Load life boats 1 and 2 with 10 people and discuss life boat equipment and launching procedures.
Abandon Drill(1)	18 Dec 2005	1030	Held weekly abandon rig drill	
Abandon Drill(1)	18 Dec 2005	1030	Held weekly abandon rig drill	
Abandon Drill(1)	26 Dec 2005	1030	Held weekly abandon rig drill	
Abandon Drill(1)	01 Jan 2006	10:30	Held weekly abandon rig drill	
Abandon Drill(1)	08 Jan 2006	10:30	Held weekly abandon rig drill	
Abandon Drill(1)	15 Jan 2006	10:30	Held weekly abandon rig drill	
Environental Issue(1)	24 Dec 2005		Enviromental drill	Simulated chemical spill on rig.
Environental Issue(1)	24 Dec 2005		Enviromental drill	
Environental Issue(1)	29 Dec 2005		Environmental Audit	Carry out environmental audit by Nexus shorebase personnel.
Environental Issue(1)	29 Dec 2005		Environmental Audit	Environmental audit by Nexus shorebase personnel.
Fire Drill(1)	18 Dec 2005		Held weekly fire drill	
Fire Drill(1)	26 Dec 2005		Held weekly fire drill	
Fire Drill(1)	01 Jan 2006	10:30	Held weekly fire drill	
Fire Drill(1)	08 Jan 2006	10:30	Held weekly fire drill	
Fire Drill(1)	15 Jan 2006	10:30	Held weekly fire drill	
JSA(13)	15 Dec 2005		Deck = 10, Mech = 2, Drill = 1	
JSA(18)	16 Dec 2005		Deck = 12, Mech = 1, Drill = 3, Sub Sea =2	
JSA(23)	17 Dec 2005		Deck = 10, Mech = 3, Drill = 7, Sub Sea =3	
JSA(17)	18 Dec 2005		Deck = 6, Mech = 3, Drill = 6, Sub Sea =2	
JSA(10)	19 Dec 2005		Deck = 4, Mech = 0, Drill = 1, Sub Sea =5	
JSA(21)	20 Dec 2005		Deck = 12, Mech = 1, Drill = 7, Sub Sea =0, marine =1	
JSA(17)	21 Dec 2005		Deck = 7, Mech = 2, Drill = 5, Welder = 2, Marine = 2,	
JSA(11)	23 Dec 2005		Deck = 2, Mech = 1, Drill = 3, Sub Sea =5	
JSA(13)	24 Dec 2005		Deck = 6, Mech = 0, Drill = 7, Sub Sea =0	
JSA(14)	25 Dec 2005		Deck = 8, Mech = 2, Drill = 2, Sub Sea =0	
JSA(19)	26 Dec 2005		Deck = 7, Mech = 5, Drill = 2, Sub Sea =2,Welder = 2, Marine = 1	
JSA(19)	27 Dec 2005		Deck = 6, Mech = 3, Drill = 7,Welder = 2, Marine = 1	
JSA(14)	28 Dec 2005		Deck = 9, Drill = 3,Welder = 2,	
JSA(12)	29 Dec 2005		Deck = 5, Mech = 3, Drill = 2,Welder = 2,	
JSA(19)	29 Dec 2005		Deck = 6, Mech = 3, Drill = 7,Welder = 2, Marine = 1	
JSA(18)	31 Dec 2005		Deck = 8, Drill = 7,Welding = 2, Marine = 1	
JSA(15)	01 Jan 2006		Deck = 6, Drill = 6, Welder = 2, Mech = 1	
JSA(17)	02 Jan 2006		Deck = 7, Mech = 4, Drill = 4,Welder = 2	
JSA(17)	03 Jan 2006		Deck = 3, Mech = 2, Drill = 10,Welder = 2	
JSA(10)	04 Jan 2006		Deck = 6, Drill = 4	
JSA(10)	05 Jan 2006		Deck = 6, Mech = 2, Drill = 2	
JSA(16)	07 Jan 2006		Deck = 5, Mech = 2, Drill = 7, Welder = 1, Sub Sea = 1	
JSA(12)	08 Jan 2006		Deck = 4, Mech = 3, Drill = 2, Welder = 3	

Well Name: Culverin 1				
Event (# of)	**Date**	**Time**	**Short Description**	**Extended Description**
JSA(21)	09 Jan 2006		Deck = 6, Mech = 3, Drill = 10, Welder = 2	
JSA(19)	10 Jan 2006		Deck = 7, Mech = 3, Drill = 8, Welder = 1	
JSA(16)	11 Jan 2006		Deck = 6, Mech = 3, Drill = 5, Welder = 2	
JSA(20)	12 Jan 2006		Deck = 7, Subsea = 2, Drill = 9, Welder = 2	
JSA(19)	13 Jan 2006		Deck = 7, Subsea = 2, Drill = 6, Welder = 2, mech = 2	
JSA(18)	13 Jan 2006		Deck = 6, Marine = 1, Drill = 7, Welder = 3, Subsea = 1	
JSA(16)	15 Jan 2006		Deck = 6, Mech = 2, Drill = 5, Welder = 2, Subsea = 2	
Man Overboard Drill(1)	30 Dec 2005		Held Man Over Board Drill	
Safety Meeting(3)	18 Dec 2005		Weekly safety meetings with all crew members.	Discussion on man riding operations. Recent 3rd party finger amputation and basic amputation first aid discussed. GEMS work basket policies. Fire and abandonment drills
Safety Meeting(3)	18 Dec 2005		Weekly safety meetings with all crew members.	
Safety Meeting(3)	26 Dec 2005		Weekly safety meetings with all crew members.	
Safety Meeting(3)	01 Jan 2006		Weekly safety meetings with all crew members.	
Safety Meeting(3)	08 Jan 2006		Weekly safety meetings with all crew members.	
Safety Meeting(3)	15 Jan 2006		Weekly safety meetings with all crew members.	
STOP Card(3)	15 Dec 2005		Safe = 1, Un-safe = 2	
STOP Card(11)	16 Dec 2005		Safe = 6, Un-safe = 5	
STOP Card(7)	17 Dec 2005		Safe = 4, Un-safe = 3	
STOP Card(2)	18 Dec 2005		Safe = 0, Un-safe = 2	
STOP Card()	19 Dec 2005		Safe = 4, Un-safe = 1	
STOP Card(4)	20 Dec 2005		Safe = 1, Un-safe = 3	
STOP Card(5)	21 Dec 2005		Safe = 1, Un-safe = 4	
STOP Card(5)	23 Dec 2005		Safe = 5, Un-safe =	
STOP Card(8)	24 Dec 2005		Safe = 1, Un-safe = 7	
STOP Card(9)	25 Dec 2005		Safe = 6, Un-safe = 3	
STOP Card(17)	26 Dec 2005		Safe = 3, Un-safe = 14	
STOP Card(7)	27 Dec 2005		Safe = 2, Un-safe = 5	
STOP Card(9)	28 Dec 2005		Safe = 5, Un-safe = 4	
STOP Card(8)	29 Dec 2005		Safe = 2, Un-safe = 8	
STOP Card(5)	29 Dec 2005		Safe = 5	
STOP Card(7)	29 Dec 2005		Safe = 2, Un-safe = 5	
STOP Card(8)	31 Dec 2005		Safe = 4, Un-safe = 4	
STOP Card(9)	01 Jan 2006		Safe = 7, Un-safe = 2	
STOP Card(16)	02 Jan 2006		Safe = 6, Un-safe = 10	
STOP Card(9)	03 Jan 2006		Safe = 5, Un-safe = 4	
STOP Card(12)	04 Jan 2006		Safe = 3, Un-safe = 9	
STOP Card(8)	05 Jan 2006		Safe = 4, Un-safe = 4	
STOP Card(13)	07 Jan 2006		Safe = 7, Un-safe = 6	
STOP Card(10)	08 Jan 2006		Safe = 7, Un-safe = 3	
STOP Card(4)	09 Jan 2006		Safe = 3, Un-safe = 1	
STOP Card(5)	10 Jan 2006		Safe = 2, Un-safe = 3	
STOP Card(8)	11 Jan 2006		Safe = 2, Un-safe = 6	
STOP Card(8)	12 Jan 2006		Safe = 6, Un-safe = 2	
STOP Card(2)	12 Jan 2006		Safe = 2, Un-safe = 2	
STOP Card(4)	13 Jan 2006		Safe = 3, Un-safe = 1	
STOP Card(2)	15 Jan 2006		Safe = 1, Un-safe = 1	
Trip / Kick Drill(2)	03 Jan 2006		Held Trip drill with each crew while RIH	

Part 2 : Drilling Engineering

- Well History
- Phase History
- Survey Data

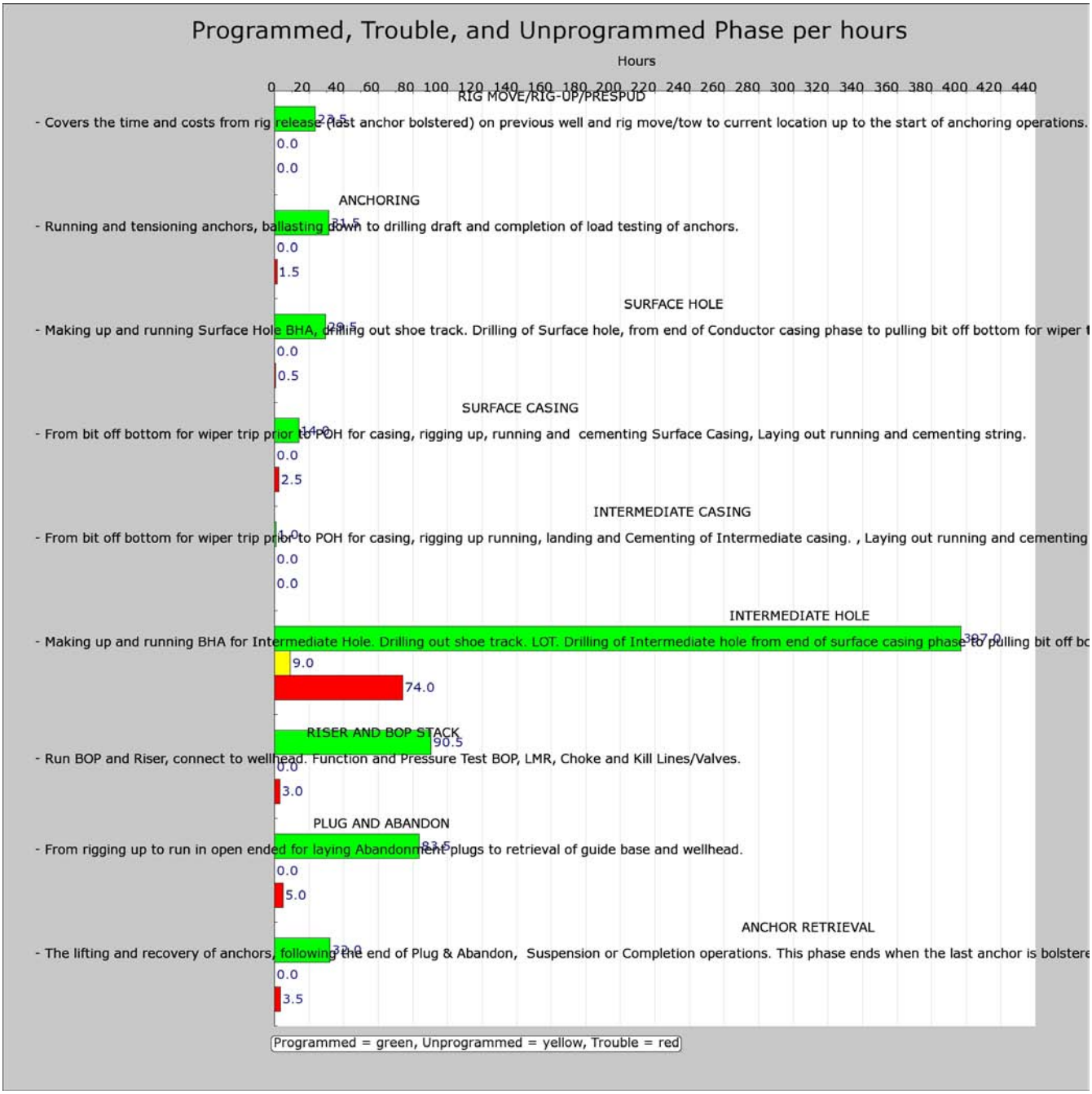
Well History

Well: Culverin 1

#	Date	Depth	24 Hour Summary
1	05 Nov 2005		
2	06 Nov 2005	0.0m	Tow to Culvering Location. Run & set anchor #4. While running anchor #8 anchor winch#4 failed destroying the gear box allowing the anchor & anchor chain to fall to the sea bed. Bolster anchor # 8. Rig off hire at 15:00 hrs. On tow to Two Fold Bay for repair.
3	14 Dec 2005	0.0m	Run Anchors
4	15 Dec 2005	0.0m	Complete running of anchors.
5	16 Dec 2005	650.0m	Pick up 93 jnts of 5"dp. Make up 30" C.A.R.T. make up 36" BHA and RIH to 607m. Spud well and drill 36" hole from 607m to 650m. Circulate hole clean and displace. Drop Totco survey(0.5deg @ 643m). POOH. Rig up and ran 30" casing/PGB. Install guide lines.
6	17 Dec 2005	650.9m	Ran and cemented 30" casing. Waited on cement samples to harden 4.5hrs. POOH, picked up 1172m of dp(extra pipe picked up while waiting on MWD equipment preperation), made up and racked 18 3/4" CART, Dowell cement express head. Layed out 36" BHA and picked up 17 1/2" BHA and Sperry Sun equipment. Prepare rig deck areas for riser.
7	18 Dec 2005	650.0m	Make up 17 1/2" BHA, RIH and shallow test MWD, tool failure. POOH to surface and change out tool internals for back up unit. RIH to PGB, unable top stab. Soft line guide ropes parted, attempts to move rig were restricted by high anchor tensions and rough weather. POOH and install new ropes. RIH and stab in ok. Drill cmt and shoe. Drill 17 1/2" hole from 650m to 1006m using SW and hi vis sweeps. Surveys every 3 stands.
8	19 Dec 2005	1436.0m	Drilled 17 1/2" hole from 1006m to 1436m. 24hr average ROP 17.9m/hr.
9	20 Dec 2005	1525.0m	Drilled 445 mm (17 1/2") hole to 1525.0 mMDRT. Pulled out of hole to rig up and run 340 mm (13 3/8") casing. Commenced running casing.
10	21 Dec 2005	1525.0m	Landed 340 mm (13 3/8") casing and cemented in place at 1511.14 mMDRT. Laid down cement head and rigged up riser handling equipment. Commenced running BOPs and riser.
11	22 Dec 2005	1525.0m	Completed running BOPs and riser. Commenced making up slip-joint and landing joint to riser.
12	23 Dec 2005	1525.0m	Landed out BOPs and tested wellhead connector. Pull-tested connections. Stroked out the slip-joint and nippled up the surface equipment. Rigged up the diverter. Completed pressure tests. Rigged down riser handling equipment. Slipped and cut drilling line. Laid down 445 mm (17 ½") BHA. Commenced making up new 311 mm (12 ¼") BHA.
13	24 Dec 2005	1544.0m	Completed making up 311 mm (12 ¼") BHA. RIH and picked up drillpipe on the way in hole. Drilled out the shoetrack. Displaced the well to mud. Drilled ahead 3 m of new formation. Conducted LOT to 1.89 sg EMW at 1528.0 mMDRT. Drilled ahead to 1544.0 mMDRT.
14	25 Dec 2005	2131.0m	Drilled ahead from 1544.0 - 2131.0 mMDRT.
15	26 Dec 2005	2641.0m	Drilled ahead 311 mm (12 1/4") hole from 2131.0 mMDRT to 2641.0 mMDRT.
16	27 Dec 2005	3115.0m	Drilled ahead from 2641.0 mMDRT to 3115.0 mMDRT. Top of the Latrobe Formation picked from LWD logs and cuttings at 2824.0 mMDRT.
17	28 Dec 2005	3277.0m	Drilled ahead from 3115.0 mMDRT to 3277.0 mMDRT.
18	29 Dec 2005	3385.0m	Drilled ahead from 3277.0 mMDRT to 3385.0 mMDRT.
19	30 Dec 2005	3402.0m	Drilled ahead from 3385.0 mMDRT to 3402.0 mMDRT. POOH for bit trip. Downloaded LWD memory. Made up new PDC bit and new motor. Started to RIH.
20	31 Dec 2005	3473.0m	RIH to 3330.0 mMDRT. Logged down over sandstone from 3335.0 mMDRT to 3343m MDRT . Reamed down to bottom. Commenced drilling ahead from 3402.0 mMDRT to 3473m MDRT
21	01 Jan 2006	3571.0m	Drilled ahead from 3473.0 mMDRT to 3571.0 mMDRT. POOH for suspected washout.
22	02 Jan 2006	3571.0m	POOH to surface. Changed out BHA to a rotary assembly (removed down-hole motor) and a Smith rock-bit. Completed making up new BHA with additional drill-collars and commenced RIH. BHA held up at 2100.0 mMDRT. Washed and reamed down to 2540.0 mMDRT. MWD failed at 2540.0 mMDRT. Commenced pulling out of hole to replace MWD tools and adjust BHA configuration. Pulling out at 2020.0 mMDRT at midnight.
23	03 Jan 2006	3571.0m	Continued pulling out of hole to replace LWD tools (pulser found to be damaged) and adjusted BHA configuration. Re-calibrated pressure sensors on rig floor using cementing unit. Tested new LWD toolstring and commenced RIH. Slipped & Cut drill-line at the casing shoe. Waited on Weather
24	04 Jan 2006	3619.0m	RIH to bottom and began drilling ahead 311 mm (12 ¼") hole from 3571.0 mMDRT. Drilling ahead at 3619.0
'			

			mMDRT at midnight.
25	05 Jan 2006	3697.0m	Drilled ahead from 3619.0 mMDRT to 3697.0 mMDRT at midnight.
26	06 Jan 2006	3758.0m	Drilled ahead from 3697.0 mMDRT to 3758.0 mMDRT at midnight. TD well at 3758.0 mMDRT. Commenced POOH to log.
27	07 Jan 2006	3758.0m	POOH, laid down LWD tools. Rigged up to run wireline.
28	08 Jan 2006	3758.0m	Completed PEX run. Rigged up seismic tools and completed seismic survey. Rigged down wireline tools and wireline. Commenced P & A program.
29	09 Jan 2006	3758.0m	Set abandonment plugs #1, 2 & 3
30	10 Jan 2006	3758.0m	Laid out drillpipe, tagged abandonment plug #3, set abandonment plug #4, displaced riser and C & K lines to seawater, retrieved wearbushing, jetted wellhead and BOP's, rigged up to recover riser and BOP's
31	11 Jan 2006	3758.0m	Unlatched BOP from wellhead and pulled marine riser and BOP's
32	12 Jan 2006	3758.0m	Pulled and landed BOP's on carrier. Cut and pulled 20" casing. Cut and pulled 30" casing with PGB
33	13 Jan 2006	3758.0m	POOH and recovered guidebase. Racked BOP's on carrier. RIH and laid out BHA and 5" drillpipe from Derrick
34	14 Jan 2006	3758.0m	Completed laying down 5" DP from derrick. De-ballast rig and recover anchors # 6, #2, #3, 7, #1 and #5
35	15 Jan 2006	3758.0m	Completed recovering anchors.
			Ocean Patriot on tight tow @ 15:00hrs, Jan 15, 2006. Rig handed over to Anzon Australia Limited
			Statement of Facts obtained from vessels

Time Breakdown by Phase



Total Time on Operations : 801.5 hrs

Total Productive Time : 702.5 hrs

Total Lost Time : 90 hrs

Total Unprogrammed Time : 9 hrs

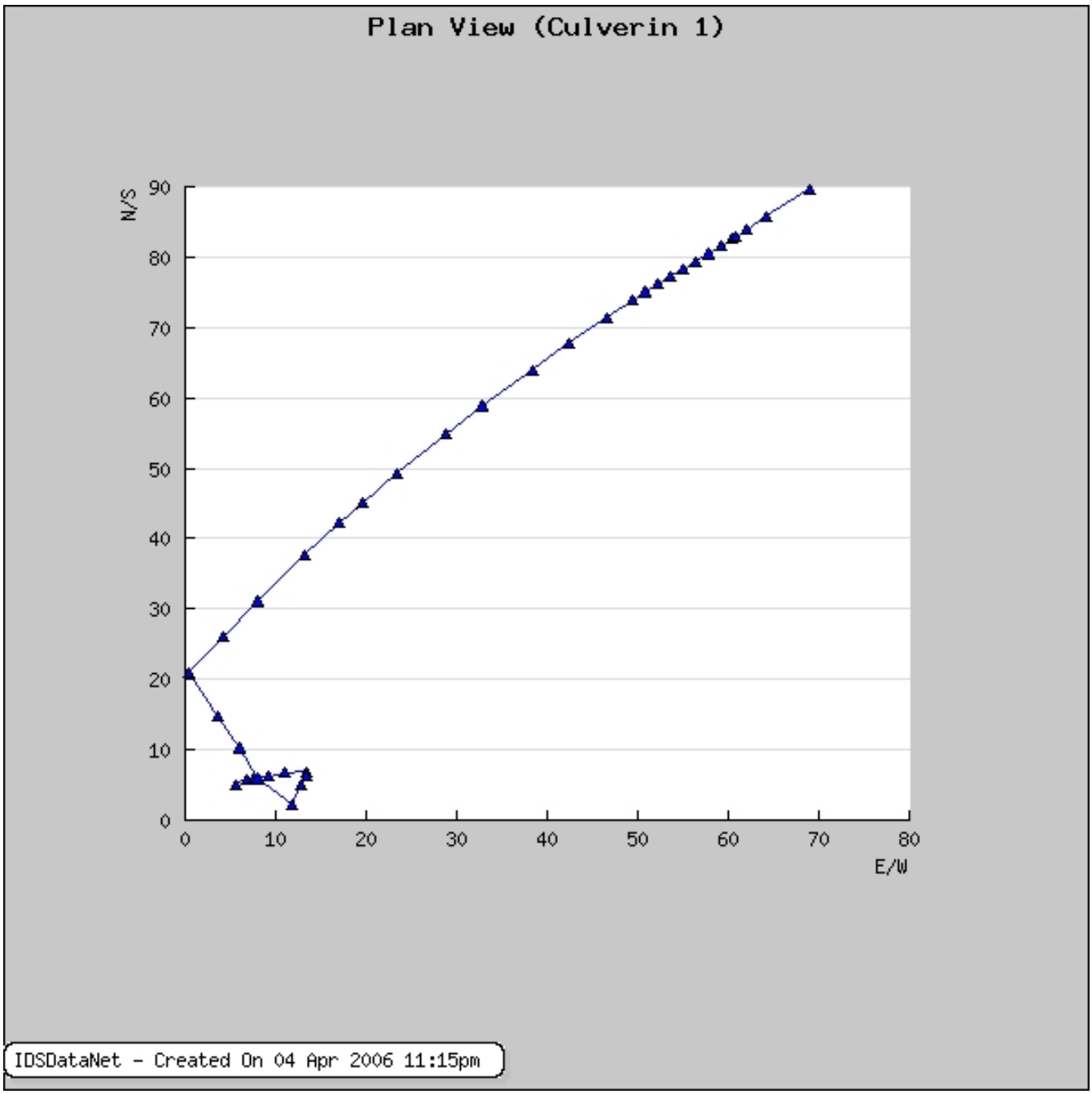
Survey Data

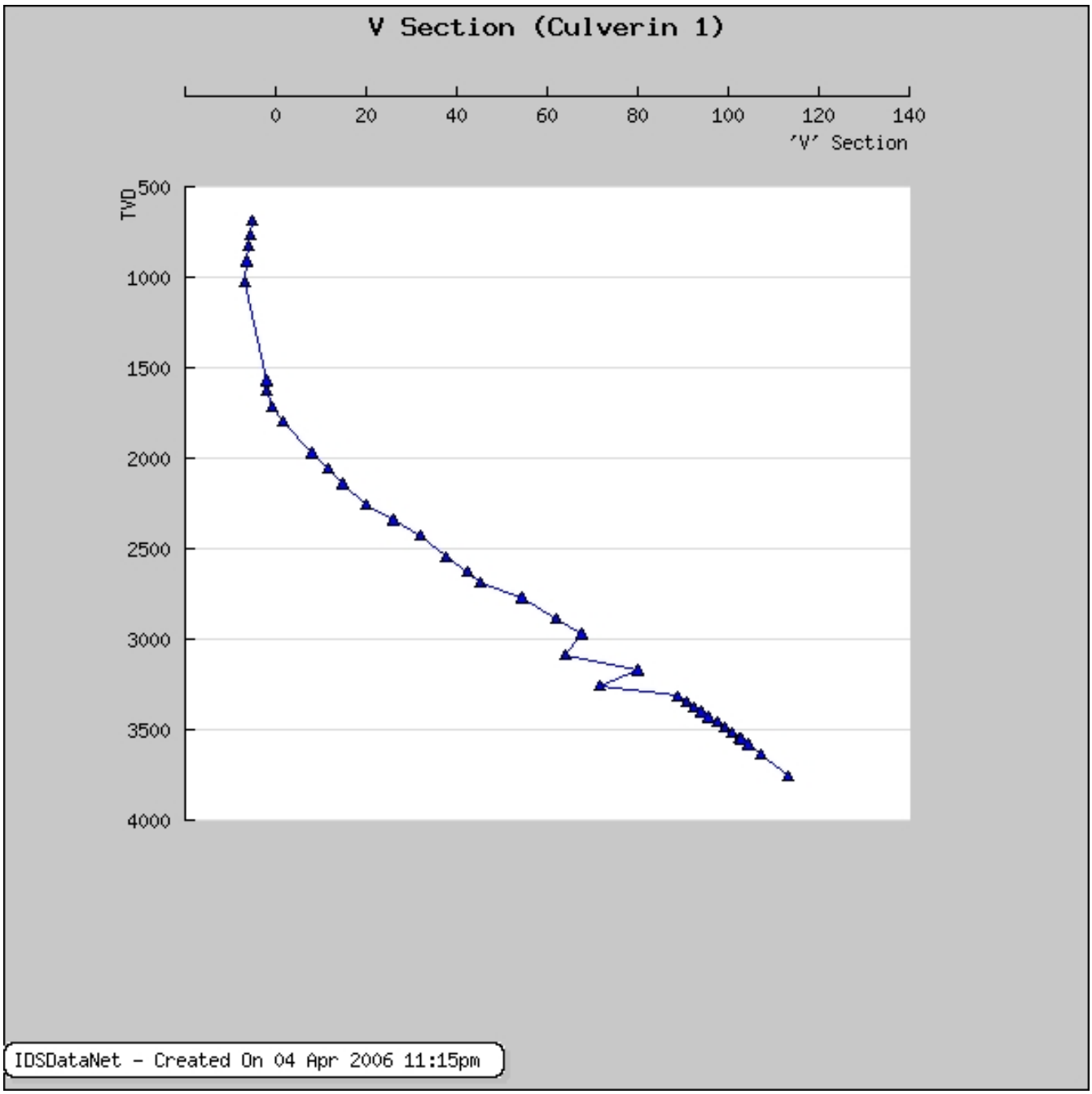
Well: Culverin 1

Mag Dec: Sidetrack # 0

MD m	TVD m	INCL deg	CORR. AZ deg	DOGLEG deg/30m	'V' SECT deg	N/S m	E/W m	TOOLTYPE
681.95	681.89	1.3	227.0	0.1	-5.1	5.1	5.5	MWD
767.68	767.61	0.8	263.6	0.3	-5.8	5.8	6.8	MWD
825.04	824.97	0.9	254.6	0.1	-6.0	6.0	7.6	MWD
911.19	911.10	1.1	257.5	0.1	-6.3	6.3	9.1	MWD
1027.78	1027.67	0.9	252.6	0.1	-6.8	6.8	11.0	MWD
1056.00		0.8	254.0					MWD
1085.00		0.8	257.0					MWD
1113.00		0.6	252.0					MWD
1142.00		0.5	254.0					MWD
1171.00		0.4	260.0					MWD
1228.00		0.2	255.0					MWD
1257.00		0.2	257.0					MWD
1342.00		0.1	250.0					MWD
1371.00		0.0	247.0					MWD
1428.00		0.1	336.0					MWD
1486.00		0.2	21.2					MWD
1509.00		0.1	0.7					MWD
1525.00		0.1	0.7					MWD
1569.11	1568.99	0.4	350.1	0.0	-2.2	6.9	13.3	MWD
1626.44	1626.32	0.6	2.0	0.1	-1.9	6.4	13.3	MWD
1712.56	1712.43	1.5	24.6	0.4	-0.7	5.0	12.8	MWD
1798.49	1798.30	2.4	23.2	0.3	1.5	2.2	11.7	MWD
1970.98	1970.56	3.2	24.1	0.1	8.1	5.9	7.9	MWD
2056.65	2056.09	3.2	27.0	0.1	11.6	10.3	5.9	MWD
2142.04	2141.34	3.5	29.6	0.1	14.7	14.7	3.6	MWD
2256.54	2255.59	4.0	35.4	0.2	20.1	21.0	0.4	MWD
2342.60	2341.43	4.2	35.5	0.1	26.0	26.0	4.1	MWD
2428.46	2427.05	4.3	38.3	0.0	32.0	31.1	7.9	MWD
2543.24	2541.53	4.1	40.5	0.2	37.7	37.7	13.1	MWD
2629.39	2627.47	3.9	40.6	0.1	42.2	42.2	17.0	MWD
2686.60	2684.55	3.8	41.5	0.1	45.1	45.1	19.5	MWD
2772.65	2770.41	3.8	43.7	0.1	54.4	49.3	23.3	MWD
2887.70	2885.20	3.9	45.7	0.1	62.0	54.9	28.7	MWD
2973.53	2970.84	3.7	46.7	0.1	67.4	58.9	32.8	MWD
3088.21	3085.28	3.8	46.5	0.1	64.0	64.0	38.3	MWD
3173.79	3170.67	3.7	49.6	0.1	80.0	67.8	42.4	MWD
3260.37	3257.07	3.7	49.9	0.2	71.4	71.4	46.5	MWD
3317.48	3314.07	3.7	47.7	0.1	88.8	73.9	49.3	MWD
3346.36	3342.89	3.7	50.4	0.2	90.6	75.1	50.7	MWD
3375.00	3371.50	3.7	54.0	0.2	92.3	76.2	52.1	MWD
3404.40	3400.80	3.5	54.9	0.2	94.1	77.3	53.6	MWD
3432.80	3429.16	3.6	52.0	0.2	95.7	78.3	55.0	MWD
3461.32	3457.63	3.5	52.0	0.1	97.4	79.4	56.4	MWD
3490.24	3486.49	3.4	50.3	0.1	99.1	80.5	57.8	MWD
3519.26	3515.46	3.3	50.1	0.1	100.7	81.6	59.1	MWD
3547.59	3543.75	3.3	50.0	0.0	102.3	82.6	60.3	MWD
3555.34	3551.48	3.4	53.7	0.9	102.8	82.9	60.7	MWD
3583.83	3579.93	3.0	50.9	0.4	104.3	83.9	61.9	MWD
3641.38	3637.40	3.0	50.2	0.0	107.2	85.8	64.2	MWD
3758.00	3753.86	3.0	50.2	0.0	113.1	89.7	68.9	MWD

3758.00	3753.86	3.0	50.2	0.0	113.1	89.7	68.9	Extrapolation to FTD





Part 3 : Time Analysis Data

- Daily Activity
- Time Analysis
- Trouble Time Analysis

Activity Report For Culverin 1

Date : 05 Nov 2005						**Daily Cost : $ 4339992**	**Report Number : 1**
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	RM	P	RM		6	Apache released Ocean Patriot to Nexus at Fur Seal Loction. Tow to Culverin Location. Pacific Wrangler on tow bridle. Far Grip following 24:00 hrs Position: 38deg 5.7min S, 148deg 343.1min E.	

Date : 06 Nov 2005						**Daily Cost : $ 334792**	**Report Number : 2**
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	RM	P	RM		3	Tow to Culverin location. .	
0.0	RM	P	RM		14	Pass #4 Anchor PCC to Far Grip. Anchor #4 on bottom at 09:00 hrs. PCC at rig 11:44 hrs. Pass #8 Anchor PCC to Far Grip at 11:46 hrs. Run anchor #8. At 14:50 hrs Anchor winch failed & winch gear box was serverly damaged. #4 anchor chain dropped to the sea bed. Rig off hire at 17:00 hrs and Statement Of Fact taken. Haul in #8 anchor which was bolstered at 117:00 hrs. PCC on rig at 17:05 hrs. Statement of Fact taken at 17:00 hrs.	

Activity Report For Culverin 1

Date : 14 Dec 2005						Daily Cost : $ 1161836	Report Number : 3
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	RM	P	RM		0.5	Back on Contract with Nexus after Rig Repair	
0.0	A	P	AH		1.5	#8 Anchor on bottom @ 0500hrs and heave in to 95t pull. Wrangler strip back #8 and pass PCC to rig @ 0620hrs. Pass #5 PCC to Wrangler @ 0635hrs, unable to pay out on windlass.	
0.0	A	TU	AH	RE	1	Troubleshoot electrical fault on # 5 windlass.	
0.0	A	P	AH		4.5	Run #5 Anchor @ 0732hrs, on bottom @ 0942hrs. Wrangler strip back #5 and pass PCC to rig @ 1139hrs.	
0.0	A	P	AH		12	Pass #1 PCC to Wrangler @ 1208hrs, on bottom @ 1413hrs. Tension #4 & #8 Anchors, Re-deploy #1 @ 1555hrs on bottom @ 1648hrs. Wrangler strip back #1 and pass PCC to rig @ 1740hrs (Wrangler to stand-by) Release Far Grip from tow wire @ 1750hrs. Pass #3 PCC to Far Grip @ 1857hrs, on bottom @ 2045hrs. Far Grip strip back #3 and pass PCC to rig @ 2235hrs. Pass #7 PCC to Far Grip @ 2250hrs, commence to run anchor.	

Date : 15 Dec 2005						Daily Cost : $ 427492	Report Number : 4
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	A	P	AH		5	#7 Anchor on bottom @ 0109hrs. Far Grip strip back, passed #7 PCC to rig @ 0253hrs. Passed #2 PCC to Wrangler @ 0030hrs,Anchor on bottom @ 0249hrs. Wrangler strip back, passed #2 PCC to rig @ 0438hrs. Passed #6 PCC to Far Grip @ 0305hrs, Anchor on bottom @ 0514hrs.	
0.0	A	TU	AH	RE	0.5	Troubleshoot electrical fault on # 6 windlass.	
0.0	A	P	AH		2	Far Grip strip back, passed #6 PCC to rig @ 0725hrs.	
0.0	A	P	AH		1.5	Cross tension all anchors.	
0.0	A	P	AH		5	Ballast rig to drilling draft.	
0.0	SH	P	PUP		1.5	Pick up 201m of 5" DP.	
0.0	SH	P	PUP		0.5	Pull back and rack 201m DP in derrick.	
0.0	SH	TU	RR	RE	0.5	Repair Hydraulic fitting on racking arm.	
0.0	SH	P	PUP		5	P/U 1 stand 9" DC with jetting sub and trip in picking up 550m DP.	
0.0	SH	P	PUP		0.5	Run in with DP from derrick and tag mudline @ 585m L.A.T. Water depth, (607.5m R/T- Mudline L.A.T.)	
0.0	SH	P	OA		2	Pull out and rack DP in derrick.	

Date : 16 Dec 2005						Daily Cost : $ 585930	Report Number : 5
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	SH	P	PUP		3	Pick up 20 stands DP. 580m.	
0.0	SH	P	OA		1	Rack back 20 stands DP.	
0.0	SH	P	PUP		2	Pick up DP. 920m.	
0.0	SH	P	HBHA		1.5	Picked up 18 jnts of HWDP and racked in derrick.	
0.0	SH	P	HT		2	Made up and racked in derrick, 30" C.A.R.T. BOP hang off tool, 30" cementing stand.	
0.0	SH	P	HBHA		2.5	Make up 36" drilling BHA and ran in hole to 192m.	
0.0	SH	P	TI		1.5	Ran BHA in hole on DP to 607mRT.	
650.0	SH	P	DA		2.5	Spud well and drill 36" hole from 607m to 650m. Pumped 75bbl sweep at mid stand and stand down, spotted 100bbls of hi-vis around BHA prior to connection.Anderdrift tool not working.	
650.0	SH	P	CHC		0.5	Displaced hole with 170bbls of pre-hydrated Bentonite. Dropped Totco single shot survey.	
650.0	SH	P	TO		1	Pulled out of hole from 650m to 193m. No hole problems or overpull observed.	

Date : 16 Dec 2005						Daily Cost : $ 585930	Report Number : 5
650.0	SH	P	HBHA		1	Pulled out of hole BHA from 193m to surface racking all BHA in derrick. Recover survey ½º.	
650.0	SC	P	RRC		0.5	Held Pre-casing JSA and rigged up for 30" casing.	
650.0	SC	P	CRN		2	Ran 30" x 20" csg x/o joint, 2 x intermediate joints and housing joint.	
650.0	SC	P	CRN		2	Ran 3 x dp stinger, made up 30" C.A.R.T to 30" housing joint and landed out in PGB. Install guide lines.	
650.0	SC	TP	RO	VE	1	Had rig welder manufacture 2 x "C" plates due to #1 & #2 guide line spears releasing and not latching correctly.	

Date : 17 Dec 2005						Daily Cost : $ 487963	Report Number : 6
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
650.0	SC	P	CRN		2	Ran 30" casing & PGB on drill pipe.	
650.0	SC	TP	SKR	OTH	1.5	Stabbed casing in open hole with ROV assistance and by moving the rig 4m stbd aft.	
650.0	SC	P	CRN		0.5	Landed out casing with 5klbs of wt down. Circulate to ensure no fill. 2.1m stick up, 2 x zero bullseye readings. Heading 273 deg. Circulate casing volume while holding JSA for cement job.	
650.0	SC	P	CMC		1.5	Pumped 20bbls of S/W-Dye, mix and pump 200bbls of 15.8ppg cement slurry, displace with 64bbls of S/W. Check floats holding-ok.	
650.0	SC	P	WOC		4.5	Waiting on surface cement samples to harden.	
650.0	SC	P	CRN		1	Release 30" CART tool. Check bullseye indicators<¼º. POOH & L/d 30" CART.	
650.0	IC	P	CRN		1	P/u 18¾" CART and stand in derrick. Make up 2nd 18 3/4" CART for handling well head on deck.	
650.0	IH	P	PUP		6	P/u 722m of dp and rack in derrick.(Prepare Sperry Sun BHA on deck while picking up dp)	
650.0	SH	P	HT		1.5	Break down TIW valves and side entry sub from 30" cement stand racked in derrick. Lay out 36" BHA.	
650.0	IH	P	PUP		1.5	Pick up 143m of dp and rack in derrick while [preparing Sperry Sun BHA components.	
650.0	IH	P	HT		0.5	Make up Dowell cement express head and rack in derrick on drifted HWDP.	
650.0	IH	P	PUP		2	Pick up 257m of dp and rack in derrick while preparing Sperry Sun BHA components. Total 5" dp picked up 2723m	
650.0	IH	P	HBHA		0.5	Make up 17 1/2" BHA.	

Date : 18 Dec 2005						Daily Cost : $ 454106	Report Number : 7
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
650.0	IH	P	HBHA		3.5	Made up 17 1/2" Sperry Sun BHA, drill collars etc. Made up Top Drive for shallow test of down hole equipment on 1st stand of hwdp.	
650.0	IH	TP	HBHA	DTF	1.5	Attempt to test MWD tools. Failure to produce survey information. Gamma ok. Change out stand pipe sensor after discussing with Sperry Sun in Perth. Re-test down hole tools, still not transmitting survey data	
650.0	IH	TP	HBHA	DTF	3.5	POOH and Rack back BHA from 103m to access MWD internals at rotary table. Remove faulty unit and install back up unit. Run in hole to 103m. Shallow test OK. Battery module is the suspected faulty item.	
650.0	IH	P	TI		1	Cont to RIH from 103m to PGB at 604m, guide ropes attached to guide lines	
650.0	IH	TP	TI	OTH	1	Move rig to assist with stabbing drill string in 30" housing.Initialy guide ropes ok but due to excess current and movement 2 broke then the remaining 2. Skid rig to assist with stabbing, due to 5-6m seas and 42knot winds the winch tension was excessive before sea bed movement was achieved.	
650.0	IH	TP	TI	OTH	3.5	POOH from 604m to surface, install new soft line guide ropes to assist in stabbing. RIH to PGB at 605m, stab and continue RIh to top of cement at 644m.	
650.0	IH	P	DFS		0.5	Establish parameters and drill cement and shoe equipment from 644m to 650m, work through and clean out shoe. 600 gpm, 900psi, 3-4000ftlbs, 90rpm,	
1006.0	IH	P	DA		9.5	Drill 17 1/2" hole from 650m to 1006m. Take surveys every 3rd stand. 600-1100 gpm, 2500psi, 3-4000 ftlbs tq, 120-150rpm, String wt 220klbs, 5-20klbs WOB. Sweep hole 75 to 85bbls per stand.	

Date : 18 Dec 2005	Daily Cost : $ 454106	Report Number : 7

Date : 19 Dec 2005					Daily Cost : $ 678903	Report Number : 8
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1436.0	IH	P	DA		24	Drill 17 1/2" hole from 1006m to 1436m Take surveys every 3rd stand. @1428.75m, 0.11deg, 336.43azimuth, 1000-1100 gpm, 3400psi, 4-6000 ftlbs tq, 150-160rpm, String wt 240klbs, 20-35klbs WOB. Sweep hole 85bbls per stand-35 Guar-50 PHG. No hole problems to report. 24hr ROP 17.9m/hr Section ROP 23.46m/hr

Date : 20 Dec 2005					Daily Cost : $ 570223	Report Number : 9
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1525.0	IH	P	DA		8.5	Drill 17 1/2" hole from 1436m to 1525m Take surveys every 3rd stand. @1509m 0.09deg, 0.70 azimuth, 1000-1100 gpm, 3400psi, 4-6000 ftlbs tq, 150-160rpm, String wt 240klbs, 30-35klbs WOB. Sweep hole 85bbls per stand.
1525.0	IH	P	DIS		2	Take TD survey.@1525m 0.09deg, 0.70 azimuth, Pump 150bbls of Guar Gum hi-vis sweep. Pump 100bbls of Sea Water Pump 840bbls of PHG hi-vis displacement mud, un-weighted. Displace PHG to bottom of drill pipe
1525.0	IH	P	TO		2.5	POOH from 1525m to 242m. No hole problems observed. Jet 30" housing on way out of hole. Pipe strap on trip out +0.17m
1525.0	IH	P	HBHA		2	POOH BHA and rack in derrick. Remove MWD probe and break off bit.
1525.0	IH	P	RRC		1	Hold JSA for casing operatuions with all crews and rig up equipment
1525.0	IH	P	CRN		1.5	Make up 13 3/8" shoe track and check floats. Baker lock connections. Attach guide ropes
1525.0	IH	P	CRN		5.5	Ran 13 3/8" casing to 885m. No hole problems to report.
1525.0	IH	P	CRN		1	Rig down Tam packer, make up 18 3/4" well head to casing string,rig down FMS and all casing equipment.

Date : 21 Dec 2005					Daily Cost : $ 636457	Report Number : 10
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1525.0	IH	P	CRN		1	Complete making up 18 3/4 well head and Dowell Deep Sea express plug baskets.
1525.0	IH	P	CRN		1.5	Ran 13 3/8" casing string on 5" dp to 30" housing. ROV observe landing and latching of Well Head in housing. String weight 350klbs, verify latch with 50k over pull, 400klbs ok. Slack off to landing string weight.
1525.0	IH	P	CIC		1.5	Circulate 1.5 x casing volume with sea water. Complete cement job JSA and equipment prep while circulating.
1525.0	IH	P	CMC		2.5	Cement casing: 25bbls S/W-dye, Lead 300bbls 12.5ppg, Tail 209bbls 15.8ppg.
1525.0	IH	P	CMC		1	Displace cement with 416bbls of sea water. Bump plugs 3.3bbls early, pressure up and test casing to 1500psi, ok. Bleed off and check floats holding ok.
1525.0	IH	P	CRN		0.5	Rig down surface cement lines and back out Cameron 18 3/4" C.A.R.T. PGB Bullseye readings: Fwd 1deg Stbd, Aft 1deg Stbd Aft.
1525.0	IH	P	CRN		1	Pull out of hole landing string.
1525.0	IH	P	CRN		1	Lay out 18 3/4" C.A.R.T from string, pick up and break out #2 18 3/4" handling tool. Break down Dowell express cement head and double of HWDP.
1525.0	BOP	P	RR1		2	Hold JSA and rig up to run BOP's and marine riser. Skid rig 15m to Port

Date : 21 Dec 2005					Daily Cost : $ 636457	Report Number : 10
1525.0	BOP	P	RR1	2.5	Make up double of Riser and Termination spool.	
1525.0	BOP	P	RR1	3.5	Skid BOP to well center on Normar transporter. Make up double and spool. Install guide lines.	
1525.0	BOP	P	RR1	3.5	Pick up BOPs from carrier(550klbs) and skid clear. un BOP to above splash zone and install Pod line clamps. Land riser in spider, BOP's wet 530klbs. Test Choke and Kill lines 250/7500psi 5/10mins.	
1525.0	BOP	P	RR1	2.5	Run Bop's on Marine riser	

Date : 22 Dec 2005					Daily Cost : $ 532613	Report Number : 11
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1525.0	BOP	P	RR1		6	Continue to run BOP's on marine riser @271m (890')
1525.0	BOP	P	RR1		1	Pressure test choke and kill lines 250/7500psi, 5/10mins ok
1525.0	BOP	P	RR1		6	Continue to run Riser @393m (1290')
1525.0	BOP	P	RR1		1	Pressure test choke and kill lines 250/7500psi, 5/10mins ok
1525.0	BOP	P	RR1		7.5	Continue to run Riser @515m (1690')
1525.0	BOP	P	RR1		1	Pressure test choke and kill lines 250/7500psi 5/10mins ok
1525.0	BOP	P	RR1		1.5	Pick up slip joint and make up to string. Total riser run: 35 x 50' Bouyed joints, 1 x 50' bare joint,1 x 25' Bare pup joint,

Date : 23 Dec 2005					Daily Cost : $ 498764	Report Number : 12
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1525.0	BOP	P	RR1		1	Completed making up landing joint to slip joint.
1525.0	BOP	TP	RR1	OTH	1	ROV camera system problems while on bottom monitoring BOP/PGB. Camera's were cutting out and all visibility was lost. Topside black and white camera still working. Recover ROV and move top side black and white camera to front pan tilt for landing bops'. Water had ingressed into camera electrics cannister. Gain use of 2 cameras and dive ROV
1525.0	BOP	P	BOP		2	Lowered slip joint while monitoring with ROV Installed Choke and kill and boost lines to slip joint.
1525.0	BOP	P	BOP		1	Pressure tested choke and kill gooseneck seals 250/7500psi 5/10mins. Ok. This test required by GEMS.
1525.0	BOP	P	BOP		0.5	Latched SDL ring to slip joint. Skidded rig and over well head with ROV assistance
1525.0	BOP	P	BOP		1.5	Re-establish #2 guide line, Monitor MRT's as lowering BOP to PGB post tops. Installed storm saddles and service hoses to slip joint. BOP landing weight prior to MRT's 685klbs.
1525.0	BOP	P	BOP		1	Landed and latch BOP, visual confirmation by ROV. Complete 50klbs overpull test on yellow pod. Bulls eye readings: PGB Fwd B/E 3/4deg stbd Aft B/E 3/4deg stbd fwd LMRP #1 B/E 1/2deg Port fwd, LMRP #2 B/E 1/2deg Port fwd BOP B/E 1deg stbd fwd.
1525.0	BOP	P	BOP		1	Secure pod hoses. Make up RBQ plates and put BOP on line.
1525.0	BOP	P	BOP		1	Break circulation with Dowell down choke and kill lines. Close shear rams and test well head VX gasket to 250/2500psi 5/10mins on yellow pod. OK. Complete 500psi pressure test on blue pod, 2nd pod test is a GEMS requirement.
1525.0	BOP	P	BOP		1	Unlock slip joint and stroke open. Layed down landing joint.
1525.0	BOP	P	BOP		1	Made up divertor to slip joint inner barrel. Land and latch in divertor housing. Connect hydraulics and lock support and lock down dogs.
1525.0	BOP	P	BOP		1.5	Rigged down riser spider, divertor running tool, install master bushings.
1525.0	BOP	P	BOP		2.5	Clear rig floor of all riser and bop handling equipment. Install iron roughneck tracks. Change elevators and bails
1525.0	IH	P	SC		2	Hung off blocks and slipped and cut 27.43m (90') of drilling line. Removed hang off lines and set crown-o-matic.
1525.0	IH	P	HBHA		3.5	Ran 445mm (17 1/2") BHA in hole and laid out same.

Date : 23 Dec 2005					Daily Cost : $ 498764	Report Number : 12
1525.0	IH	P	HBHA	2.5	Commenced making up 311mm (12 1/4") BHA.	

Date : 24 Dec 2005					Daily Cost : $ 465794	Report Number : 13
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
1525.0	IH	P	HBHA		3	Complete making up 311mm (12 1/4") BHA. Up-link MWD, install Radio-active source. Run BHA from derrick to 1st joint of HWDP. Shallow test Down hole motor and tools ok. 800gpm 650psi.
1525.0	IH	P	HBHA		0.5	Picked up 55m(180') of HWDP.
1525.0	IH	P	PUP		5.5	Picked up 745m (2444') of 127mm (5")dp. Functioned divertor insert packer ok.
1525.0	IH	P	BOP		0.5	Function tested BOP's on yellow pod ok.
1525.0	IH	TP	BOP	BORC	2	Attempt function test on blue pod, Run-away observed on open function for upper annular. Function several times and uncontroled flow stopped. Change back to yellow pod and upper annular functions ok. Proceed with operations after discussing equipment failure. Signs made for all BOP panels stating not to operate upper annular on blue pod. Currently drilling on Yellow pod.
1525.0	IH	P	TI		2	Ran in hole from 1014m to 1478m, Washed down to top of cement @1478m
1528.0	IH	P	DFS		5.5	Drilled cement, plugs, shoe track. Displaced well to 9.5ppg mud while drilling out cmt and making 3m of new hole to 1528m
1528.0	IH	P	CHC		1	Circulated hole clean and ensured 9.5ppg in/out for Leak off test.
1528.0	IH	P	LOT		1	Performed LOT against lower annular. 9.5ppg test mud weight, 1511.77m TVD, 1625psi, EMW 15.8ppg.1.89sg,
1544.0	IH	P	DA		3	Take SCR's, CLFL. Drilled 311mm (12 1/4") hole from 1528m to 1544m. Reduced parameters until stabilizers are out of casing(1558m) String wt 240klbs, Tq 2-4000ftlbs, 50-60 rpm surface, 150rpm DH, WOB 5-10klbs, 1800psi, 790gpm.

Date : 25 Dec 2005					Daily Cost : $ 460984	Report Number : 14
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2131.0	IH	P	DA		24	Drilled 311mm (12 1/4") hole from 1544m to 2131m String wt 275klbs, Tq 4-8000ftlbs, 150 rpm surface, 252rpm DH, WOB 15-18klbs, 2900psi, 900gpm. Boost riser while drilling. Max gas for 24hr period 1.2%. ROP average 24.45m/hr (including connections) Survey results @2113.64m 3.4deg, 29.61 azimuth, 2112.98m TVD

Date : 26 Dec 2005					Daily Cost : $ 510764	Report Number : 15
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2641.0	IH	P	DA		24	Drilled 311mm (12 1/4") hole from 2131m to 2641mMDRT String wt 310klbs, Tq 4-8000ftlbs, 150 rpm surface, 260rpm DH, WOB 12-15klbs, 3300psi, 900gpm. Boost riser while drilling. Max gas for 24hr period 0.82%. Increase mud weight from 1.14sg to 1.2sg (9.5ppg - 10ppg) ROP average 21.25m/hr (including connections) Survey results @2629.39m, 3.86deg, 40.58azimuth

Date : 27 Dec 2005					Daily Cost : $ 472057	Report Number : 16
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2787.0	IH	P	DA		8.5	Drilled 311mm (12 1/4") hole from 2641m to 2787m MDRT String wt 310klbs, Tq 4-8000ftlbs, 150 rpm surface, 259rpm DH, WOB 12-20klbs, 3300psi, 900gpm. Boost riser while drilling. ROP average 17.17m/hr (including connections) Survey results @2772.65m, 3.83deg, 43.73azimuth
2787.0	IH	TP	DA	RE	0.5	Backed out saver sub on Top Drive during routine connection. Layed out single, installed new saver sub on Top Drive and picked up a replacement single of 127mm (5")dp.

Date : 27 Dec 2005						Daily Cost : $ 472057	Report Number : 16
2991.0	IH	P	DA		9	Drilled 311mm (12 1/4") hole from 2787m to 2991m MDRT String wt 330klbs, Tq 5-10000ftlbs, 150 rpm surface, 259rpm DH, WOB 5-10klbs, 3300psi, 900gpm. Boost riser while drilling. ROP average 22.6m/hr (including connections) Survey results @2973.53m, 3.73deg, 46.71azimuth
2991.0	IH	TP	DA	RE	0.5	Top Drive pipe handler failed to break out drill pipe during routine connection, change out front carrier die while circulating down string.
3115.0	IH	P	DA		5.5	Drilled 311mm (12 1/4") hole from 2991m to 3115m MDRT String wt 340klbs, Tq 6-8000ftlbs, 150 rpm surface, 259rpm DH, WOB 10-12klbs, 3300psi, 900gpm. Boost riser while drilling.Max gas for 24hr period 0.276%. ROP average 22.5m/hr (including connections) Survey results @3088.21m, 3.81deg, 46.46azimuth

Date : 28 Dec 2005						Daily Cost : $ 503334	Report Number : 17
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3226.0	IH	P	DA		10.5	Drilled 311mm (12 1/4") hole from 3115m to 3226m MDRT String wt 340klbs, Tq 6-14000ftlbs, 80-150 rpm surface, 180-256rpm DH, WOB 5-20klbs, 3900psi, 875gpm. Boost riser while drilling. ROP average10.57m/hr (including connections) Survey results @3202.65m, 3.71deg, 48.97 azimuth
3266.0	IH	TP	DA	WOW	1.5	Drilling operations suspended due to riser flex joint bullseye reading exceeding "GEM's" guidelines. Circulate while trying to maneouver rig with anchor winches. Wind 35-40 knots, Seas 1.5m WSW, Swell 1.5m NE
3277.0	IH	P	DA		12	Drilled 311mm (12 1/4") hole from 3226m to 3277m MDRT String wt 340klbs, Tq 6-14000ftlbs, 80-150 rpm surface, 180-256rpm DH, WOB 5-25klbs, 4100psi, 860gpm. Boost riser while drilling. ROP average 4.25m/hr (including connections) Survey results @3202.65m, 3.71deg, 48.97 azimuth

Date : 29 Dec 2005						Daily Cost : $ 462947	Report Number : 18
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3356.0	IH	P	DA		15.5	Drilled 311mm (12 1/4") hole from 3277m to 3356m MDRT String wt 350klbs, Tq 4-14000ftlbs, 80-150 rpm surface, 180-256rpm DH, WOB 4-25klbs, 3800-4100psi, 840-900gpm. Boost riser while drilling. ROP average 5.16m/hr (including connections) Survey results @3317m, 3.72deg, 47.74 azimuth
3356.0	IH	TP	DA	RE	1	Change out piston on #3 mud pump. fault find and repair blower motor fault.
3385.0	IH	P	DA		7.5	Drilled 311mm (12 1/4") hole from 3356m to 3385m MDRT String wt 350klbs, Tq 4-14000ftlbs, 100-150 rpm surface, 180-256rpm DH, WOB 4-25klbs, 4200psi, 890gpm. Boost riser while drilling. ROP average 3.86m/hr (including connections) Max gas for 24hr period 0.306% Survey results @3346m, 3.65deg, 50.41 azimuth

Date : 30 Dec 2005						Daily Cost : $ 593639	Report Number : 19
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	IH	P	DA		2	Drilled 311mm (12 1/4") hole from 3385m to 3397m MDRT String wt 350klbs, Tq 4-14000ftlbs, 100-150 rpm surface, 180-256rpm DH, WOB 4-25klbs, 4200psi, 890gpm. Boost riser while drilling. ROP average 3.86m/hr (including connections) Survey results @3375m, 3.7deg, 76.2 azimuth
3390.0	IH	TP	DA	RE	0.5	Elmagco auxillary brake problems. Fault find and make repairs. Continue with 50% power available to Elmagco
3402.0	IH	P	DA		6	Drilled 311mm (12 1/4") hole from 3390m to 3402m MDRT String wt 355klbs, Tq 4-14000ftlbs, 100-150 rpm surface, 180-256rpm DH, WOB 18-25klbs, 3900-4300psi, 875gpm. Boost riser while drilling. Average ROP = 2m/hr POH to change bit.

Date : 30 Dec 2005					Daily Cost : $ 593639	Report Number : 19
3402.0	IH	P	TO	1	Flow checked and POOH from 3402m to 2867m, pulled tight @ 55klbs overpull	
3402.0	IH	P	REA	0.5	Made up top drive and back ream from 2867m to 2819m	
3402.0	IH	P	TO	6.5	Continued to POOH from 2819m to 268m, flow checked @ casing shoe. Calibrated MWD caliper @ 1475m	
3402.0	IH	P	TO	2	POOH with 311mm (12 1/4") BHA, remove radioactive source from LWD, broke off bit (4-6-WT-S-X-1-RO-PR) and laid out mud motor	
3402.0	IH	P	TO	2	Picked up LWD from derrick and download data. Racked back same in derrick	
3402.0	IH	P	RS	0.5	Serviced top drive and pipe handler. Checked compensator chains	
3402.0	IH	P	TI	2	Picked up new motor (Sperrydrill 6/7 5 stage w/ 0 degree bend), made up new bit (Reed RSX616M) and RIH with 311mm (12 1/4") BHA	
3402.0	IH	P	TI	1	Loaded radio active source into LWD and initiate tools	

Date : 31 Dec 2005					Daily Cost : $ 431238	Report Number : 20
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3402.0	IH	P	TI		1.5	Continued to RIH with 12 1/4" BHA. Shallow pulse test MWD with 750 GPM and 750 psi, good test
3402.0	IH	P	TI		1.5	Picked up 27 joints 5" DP from catwalk
3402.0	IH	P	TI		6	Continued to RIH with 12 1/4" BHA and 5" DP from Derrick to 3330m MDRT
3402.0	IH	P	RW		3	Reamed and washed from 3330m MDRT to 3380m MDRT. Performed confirmation pass with LWD tools across interval
3402.0	IH	P	RW		0.5	Washed and reamed last single to bottom
3473.0	IH	P	DA		11.5	Drilled ahead 311mm (12 1/4") hole from 3402m MDRT to 3473m MDRT, Average ROP = 6.2m/hr, Flow rate = 875 GPM, WOB = 17 - 24 klbs, Rotary RPM = 80 - 110, Bit RPM = 190 - 220, Tq = 5000 - 9500 ft/lbs,

Activity Report For Culverin 1

Date : 01 Jan 2006						Daily Cost : $ 466881	Report Number : 21
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3571.0	IH	P	DA		18.5	Continued to drill 311mm (12 1/4") hole from 3473m MDRT to 3571m MDRT Average ROP = 5.3m/hr, WOB = 20-24 klbs, Rotary RPM = 110, DH RPM = 228, Tq = 6000-8000 ftlb, Flow = 872 GPM Encountered drilling break at 3481m MDRT to 3487m MDRT, flow checked well (76m/hr, Gas = 45 units) Max Gas = 186 units @ 3543.5m MDRT	
3571.0	IH	TU	WSH	WO	5.5	Conducted 15 minute flow check, good. POOH wet, checking for washout. Pulled 2 stands and made up top drive, circulated to confirm continued pressure loss. POOH 10 stands, flow checked 10 minutes, good. Continued POOH checking for washout. Visually inspected tool joint seal faces of each stand for wear.	

Date : 02 Jan 2006						Daily Cost : $ 508563	Report Number : 22
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3571.0	IH	TP	WSH	WO	6.5	Continued POOH checking for washout. Visually inspect tool joint seal faces of each stand for wear. Flow checked at casing shoe and at HWDP. Downloaded sources from LWD tools. POOH and inspected BHA for washout. Broke off bit and laid out motor	
3571.0	IH	TP	TI	WO	2	Made up 12 1/4" rotary BHA with Smith GF30BOVCPS (c/w 3 X 18 nozzles), install new HOC	
3571.0	IH	TP	TI	WO	2	Initailized MWD and install sources in tool	
3571.0	IH	TP	TI	WO	6.5	Picked up additional 8" DC's & RIH with 12 1/4" BHA, changed out drilling jar, continued RIH. Shallow pulse tested MWD with 850 GPM @ 2000psi, OK. RIH with 5" DP from derrick to 2134m MDRT, filled drillstring each 20 stands	
3571.0	IH	P	TIT		5	Washed and reamed from 2134m MDRT to 2593m MDRT with 700 - 850 GPM, 2500 -3900 psi, 120 -145 RPM. MWD tools stopped communicating to surface. 200 psi pressure loss noted during reaming (3900psi @ 850 gpm to 3700psi @ 900gpm).	
3571.0	IH	TP	TO	VE	2	Flow checked 15 minutes, good. POOH for LWD failure and potential washout from 2593m MDRT to 2020m MDRT. 60klbs overpull @ 2326m MDRT, worked drill string free	

Date : 03 Jan 2006						Daily Cost : $ 439094	Report Number : 23
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3571.0	IH	TP	TO	VE	1.5	Continued POOH for LWD failure (also POH wet looking for washout) from 2020m MDRT to 1510m MDRT	
3571.0	IH	TP	TO	WO	1	Installed top drive and pump through drill string at 1510m MDRT to verify pump pressure loss. 220 SPM, 940 GPM, 3600 psi, no pressure loss noted. Presure test Pumps #1, #2 & #3 10 minutes each to 3800 psi against standpipe manifold to verify mud pump and mudline integrity. Observed average pressure loss of 91psi over 10 minutes	
3571.0	IH	TP	TO	VE	2.5	Continued POOH for LWD failure (also POH wet looking for washout) from 1510m MDRT to 271m MDRT	
3571.0	IH	TP	TO	VE	4	POOH with 12 1/4" BHA. Removed sources from LWD tools. Laid out LWD string. Downloaded data and diagnostics information (Pulser falure)	
3571.0	IH	TP	TI	WO	3	Lined up Dowel cementing unit and pressure tested mud pumps and surface mud lines to 4200 psi. Calibrated gauges between rig floor, mud loggers, MWD, and Dowell. Picked up new 12 1/4" rotary BHA while pressure testing	
3571.0	IH	TP	TI	VE	4	Continued to pick up 12 1/4" BHA. Initialized LWD and installed sources. RIH and shallow pulse tested LWD with 850 GPM @ 200 SPM and 1700 psi, good	
3571.0	IH	TP	TI	VE	2.5	RIH with 5" DP and filled drillstring each 20 stands to 1510m MDRT	
3571.0	IH	P	SC		1.5	Held Pre job safety meeting. Hung off blocks and slipped and cut 100 ft drilling line.	
3571.0	IH	P	RS		0.5	Serviced top drive	
3571.0	IH	TP	WOW	WOW	3.5	Waiting on Weather to RIH. Excessive flex joint and riser angles Winds: 40-45knts WSW Seas; 3m Swells; 4m	

Date : 03 Jan 2006						Daily Cost : $ 439094	Report Number : 23
						Pitch 0.7 - 0.9 Roll; 0.8 - 0.9 Perform General rig maintenance and PM's	

Date : 04 Jan 2006						Daily Cost : $ 447637	Report Number : 24
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3571.0	IH	TP	WOW	WOW	3.5	Waiting on Weather to RIH. Excessive flex joint and riser angles Winds: 30-22knts WSW Seas; 2.5m - 1.5m Swells; 4m - 3m Pitch 0.6 Roll; 0.8 Perform General rig maintenance and PM's	
3571.0	IH	TP	WOW	WOW	1	Repositioned rig to bring flex joint angle to < 1 degree	
3571.0	IH	TP	TI	WO	4.5	Continued to RIH with 5" DP from 1510m MDRT to 3487m MDRT	
3571.0	IH	TP	RW	WO	1	Washed and reamed from 3487m MDRT to 3571m MDRT	
3619.0	IH	P	DA		14	Drilled ahead 31mm (12 1/4") hole from 3571m MDRT to 3619m MDRT. WOB = 25 - 34 klbs, RPM = 100- 150, SPM = 188 = 805 GPM, 4000 psi, Tq = 4500 - 6700 ftlb. Average ROP = 3.4m/hr	

Date : 05 Jan 2006						Daily Cost : $ 464894	Report Number : 25
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3697.0	IH	P	DA		24	Drilled ahead 311mm (12 1/4") hole from 3619m MDRT to 3697m MDRT. WOB = 30 - 41 klbs, RPM = 80- 120, SPM = 187 = 800 GPM, 4050 psi, Tq = 5500 - 7500 ftlb. Average ROP = 3.55m/hr Max Gas today = 103 units @ 3695m MDRT	

Date : 06 Jan 2006						Daily Cost : $ 556712	Report Number : 26
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3697.0	IH	P	DA		4	Drilled ahead 311mm (12 1/4") hole from 3697m MDRT to 3714m MDRT. WOB = 30 - 35 klbs, RPM = 80- 120, SPM = 187 = 800 GPM, 4050 psi, Tq = 5500 - 7500 ftlb. Average ROP = 4.3 m/hr LWD tools stopped pulsing	
3714.0	IH	TU	RR		0.5	Backed out IBOP on connection. Re aligned top drive and screwed back into IBOP. Torqued same to 78000 ftlbs. Comfirmed alignment of breakout/Make up system	
3758.0	IH	P	DA		19.5	Troubleshooted LWD tools. No sucess. Drilled Ahead 311mm (12 1/4") hole from 3714m MDRT to 3758m MDRT WOB = 30 - 35, RPM = 100 - 130, SPM = 188 = 800 GPM = 4050 psi, Tq = 7000 - 8500 ftlb, Average ROP = 2.3 m/hr	

Date : 07 Jan 2006						Daily Cost : $ 604571	Report Number : 27
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3758.0	IH	P	CS		2	Circulated bottoms up sample at 188 spm (800 GPM) from 3758m MDRT	
3758.0	IH	P	TO		1	Flow checked 15 minuted, good. POOH from 3758m MDRT to 3668m MDRT	
3758.0	IH	P	LOG		4.5	Logged up with LWD for confirmation data from 3668m MDRT to 3582m MDRT at 30m/hr and 20 - 25 RPM	
3758.0	IH	P	TO		0.5	Pumped 25 bbl slug and POOH from 3582m MDRT to 3506m MDRT	

Date : 07 Jan 2006						Daily Cost : $ 604571	Report Number : 27
3758.0	IH	TP	RR	RE	1	Repaired hose on racking arm	
3758.0	IH	P	TO		8	Continued POOH from 3506m MDRT to 36m MDRT. Flow checked at casing shoe and prior to BHA entering BOP	
3758.0	IH	P	RR	RE	0.5	Removed sources from LWD tools. Plugged in and attempted to power down tools with no success	
3758.0	IH	P	TO		1.5	Laid out LWD tools and BHA	
3758.0	IH	P	LOG		1	Held JSA and rigged up to run Schlumberger wireline tools	
3758.0	IH	U	LOG		1.5	Made up wireline tools for run #1, installed radioactive sources	
3758.0	IH	U	LOG		2.5	RIH with log #1, GR/PEX/HALS/DSI. Performed repeat pass from 3675m MDRT to 3575m MDRT (23:30 hrs)	

Date : 08 Jan 2006						Daily Cost : $ 495998	Report Number : 28
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3758.0	IH	U	LOG		5	RIH with log #1, PEX combo GR/PEX/HALS/DSI. Performed repeat pass from 3675m MDRT to 3575m MDRT (23:30 hrs). Perform main Log (from 00:10) GR: TD to Seafloor, PEX Hi Res: TD to 2775m MDRT, HALS: TD to 1511m MDRT, DSI: P&S and Upper Dipole mode from 3758m MDRT to 2775m MDRT, P&S Mode from 2775m MDRT to 1511m MDRT	
3758.0	IH	P	LOG		3	Rigged down Run #1 Wireline tools. Made up Run #2; VSP	
3758.0	IH	P	LOG		6	RIH and perform VSP. Checkshots at 1559m, 2541m and 3509m MDRT Main pass from 3750m to 3200m MDRT at 15m spacing and 3200m to sea floor at 100m spacing	
3758.0	IH	TP	LOG	OTH	0.5	Troubleshot network cabling problem with computer hardware in logging unit	
3758.0	IH	P	LOG		3.5	Continued with VSP main pass from 3750m to 3200m MDRT at 15m spacing and 3200m to sea floor at 100m spacing	
3758.0	IH	P	LOG		1.5	Wireline at surface. Laid down VSP toolstring. Rigged out wireline running equipment	
3758.0	PA	P	TI		4.5	Picked up side entry sub and 2 X TIW valves, made up cementing stand and racked back same. Picked up 5" mule shoe and RIH with 5" DP to 2293m MDRT	

Date : 09 Jan 2006						Daily Cost : $ 535925	Report Number : 29
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
3758.0	PA	P	TI		3	Continued to RIH with 5" DP from 2293m MDRT to 3750m MDRT	
3758.0	PA	P	CMD		0.5	Circulated bottoms up at 210 SPM = 900 GPM = 3200 psi. Rotate DP at 40 - 50 RPM	
3758.0	PA	TP	RR	RE	0.5	Worked on mud pump SCRs. Rotated and reciprocated drillstring during repairs	
3758.0	PA	P	CHC		1	Continued to circulate bottoms up at 210 SPM = 900 GPM = 3200 psi	
3758.0	PA	P	CMP		1.5	Held pre job safety meeting. Rigged up Dowell cementing line and pressure tested to 1000 psi. Mixed and pumped abandonment plug # 1; 102 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 195 bbls drilling fluid at 10.1 ppg Plug #1 set from 3750m MDRT to 3560m MDRT.	
3758.0	PA	P	TO		1	POOH from cement plug # 1 from 3750m MDRT to 3420m MDRT slowly	
3758.0	PA	P	CHC		1.5	Circulated bottoms up to clear drillpipe	
3758.0	PA	P	TO		1	POOH From 3420m MDRT to 2965m MDRT	
3758.0	PA	P	CMD		0.5	Circulated and spotted 60 bbl high visc pill	
3758.0	PA	P	TO		0.5	POOH from 2965m MDRT to 2865m MDRT	
3758.0	PA	P	CMP		1	Held pre job safety meeting. Pressure tested cementing line to 1000 psi. Mixed and pumped abandonment plug # 2; 64.3 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 149 bbls drilling fluid at 10.1 ppg Plug #2 set from 2865m MDRT to 2745m MDRT.	

Date : 09 Jan 2006					Daily Cost : $ 535925	Report Number : 29
3758.0	PA	P	TO	0.5	POOH from plug #2 from 2865m MDRT to 2575m MDRT	
3758.0	PA	P	CHC	1.5	Circulated bottoms up	
3758.0	PA	P	WOC	3.5	WOC. Laid down 54 jts 5" DP	
3758.0	PA	P	TI	1	RIH and tagged TOC plug #2 with 5 klbs at 2735m MDRT	
3758.0	PA	P	TO	2	POOH from 2735m MDRT to 1650m MDRT	
3758.0	PA	P	CMD	0.5	Circulated and spotted 60 bbls high visc pill at 1650m MDRT	
3758.0	PA	P	TO	0.5	POOH from 1650m MDRT to 1550m MDRT. Rigged up cementing hose	
3758.0	PA	P	CMP	1	Held pre job safety meeting. Pressure tested cementing line to 1000 psi. Mixed and pumped abandonment plug # 3; 70.4 bbl 15.8 ppg, HTB blend + additives (see report). Displaced with 74 bbls drilling fluid at 10.1 ppg Plug #3 set from 1550m MDRT to 1430m MDRT.	
3758.0	PA	P	TO	0.5	Rigged down cementing hose. POOH from cement plug #3	
3758.0	PA	P	CMD	1	Circualted bottoms up. Spotted 260 bbls inhibited mud in casing.	

Date : 10 Jan 2006					Daily Cost : $ 474060	Report Number : 30
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	PA	P	PLD		3	Pumped slug. POOH and laid down 60 jts of 5" drillpipe from 1262m MDRT to 688m MDRT
3758.0	PA	P	TI		1	RIH from 688m MDRT to 1204m MDRT to tag cement plug #3. Cement samples not firm.
3758.0	PA	P	PLD		1.5	Laid down drill pipe from 1204m MDRT to 917m MDRT.
3758.0	PA	P	TI		2	RIH from 917m MDRT and tag TOC plug #3 at 1421m MDRT with 5 klbs
3758.0	PA	P	TO		1	POOH from 1421m MDRT to 825m MDRT
3758.0	PA	P	CMD		0.5	Circulated and spotted 60 bbls high visc pill at 825m MDRT
3758.0	PA	P	TO		0.5	POOH from 825m MDRT to 721m MDRT. Rigged up cementing hose
3758.0	PA	P	CMP		1	Held pre job safety meeting. Pressure tested cementing line to 1000 psi. Mixed and pumped abandonment plug # 4; 49.7 bbl 15.8 ppg, G cement + additives (see report). Displaced with 30 bbls drilling fluid at 10.1 ppg Plug #4 set from 721m MDRT to 625m MDRT.
3758.0	PA	P	TO		0.5	POOH from cement plug #4 from 721m MDRT to 625m MDRT
3758.0	PA	P	CHC		3	Closed annular preventer, reverse circulated 2 X DP volumes (80 bbls). Displaced choke and kill lines to seawater. Displaced riser and booster line to seawater
3758.0	PA	P	TO		2.5	Held JSA. POOH from 625m MDRT and laid out mule shoe. Cleaned cement from last 8 stands of drillpipe
3758.0	PA	P	CHC		1.5	Held JSA. Made up jet sub and wear bushing retrieval tool. RIH and jetted stack and wellhead areas.
3758.0	PA	P	WH		2.5	Engaged wear bushing with retrieval tool and POOH. 35 klbs overpull to recover noted. Laid out retrieval tool and jetting sub
3758.0	PA	P	CMP		1	Held JSA. Rigged up Dowell and high pressure test pump. Pressure tested choke and kill lines as per DOGD requirements to 250 psi low and 14,000 psi high for 10 minutes each
3758.0	BOP	P	RR2		1	Rigged down 350t elevators and picked up 500t elevators
3758.0	BOP	P	RR2		1.5	Held JSA. Rig up floor to recover riser and BOP

Date : 11 Jan 2006					Daily Cost : $ 483017	Report Number : 31
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	BOP	P	RR2		1	Continued to rig up riser handling equipment
3758.0	BOP	P	RR2		1	Picked up and installed diverter running tool. Verified tool lock with 10 klbs overpull
3758.0	BOP	P	RR2		1	Removed and laid out diverter
3758.0	BOP	P	RR2		1.5	Picked up landing joint and made up to slip joint. Scoped in slip joint

Date : 11 Jan 2006					Daily Cost : $ 483017	Report Number : 31
3758.0	BOP	P	RR2		0.5	Unlatched BOP's from wellhead
3758.0	BOP	P	RR2		1.5	Removed storm saddles. Latch in SDL ring
3758.0	BOP	P	RR2		3	Lowered slip joint. Removed choke and kill goosenecks and booster line. Picked up and laid out landing joint. Moved rig 24 meters off location
3758.0	BOP	P	RR2		14.5	Pulled BOP's and laid out marine riser. Back loaded 26 joints to the Pacific Wrangler for shipment to Eden

Date : 12 Jan 2006					Daily Cost : $ 460184	Report Number : 32
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	BOP	P	RR2		3.5	Continued to pull BOP's and lay out marine riser.
3758.0	BOP	P	RR2		1	Pulled riser double and landed out BOP's on carrier
3758.0	BOP	P	RR2		5	Removed guidelines from BOP's. Removed clamps from pod hoses. Broke riser double and 5 ft termination spool from BOP's. Skidded BOP's to starboard side and laid down riser double and termination spool
3758.0	BOP	P	RR2		1.5	Rigged down riser handling equipment, rigged up 5" DP handling equipment and moved rig back over location
3758.0	PA	P	TI		3.5	Held JSA, Picked up 20" X 30" casing cutter assembly. RIH with 5" DP
3758.0	PA	P	TI		0.5	Moved rig starboard forward to stab casing cutter assembly into wellhead
3758.0	PA	P	CCT		0.5	Engaged cutter asembly and tested with 40 klbs over pull. Commenced cutting casing. Cut 20" casing free
3758.0	PA	TP	TO	VE	2	POOH with wellhead and 20" casing stub. Laid out same
3758.0	BOP	TP	HBHA	VE	2	Held JSA. Changed out casing cutters blades, grapple, spacer sub and centralizer on casing cutter assembly
3758.0	PA	TP	TI	VE	2	RIH with casing cutter to 30" housing
3758.0	PA	P	CCT		1	Engaged casing cutter assembly into housing and test with 40 klbs overpull. Commenced cutting 30" casing. Cut 30" casing
3758.0	PA	P	TO		1.5	POOH with guide base and 30" housing

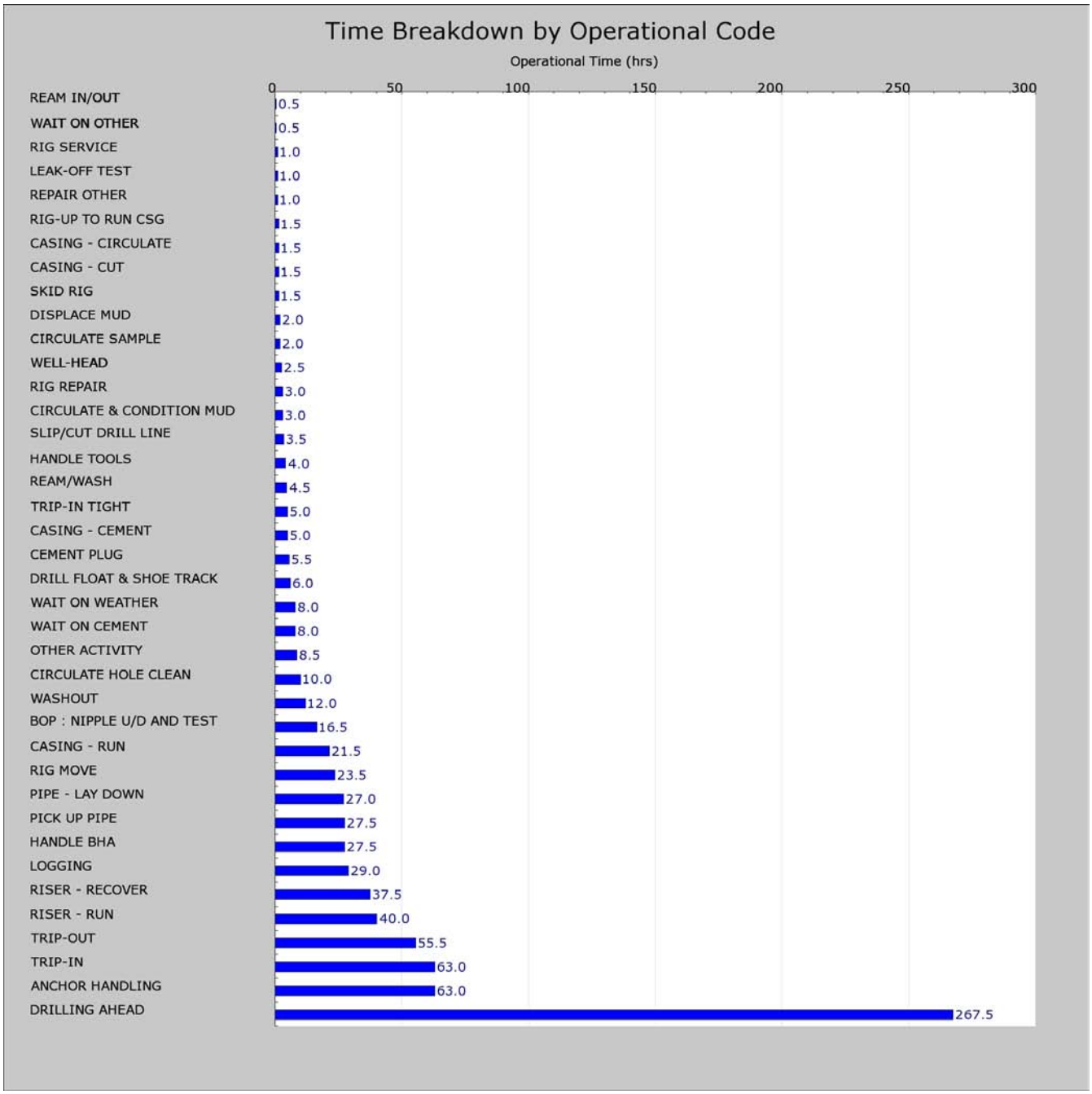
Date : 13 Jan 2006					Daily Cost : $ 461375	Report Number : 33
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	PA	P	TO		1	Continued POOH with guide base and 30" housing
3758.0	PA	P	TO		0.5	Landed out and secured guide base on trolley. Backed out cap screws on guidebase to 30" housing. Conducted 100m radius seabed survey with ROV after pulling PGB. Fugro documentation and DVD to follow.
3758.0	PA	P	TO		1.5	Picked up 30" housing and 30" casing cut off to rig floor. Unlatched spear and laid out 30" housing. Broke down and laid out 30" spear and casing cutting BHA
3758.0	PA	P	TO		1.5	Removed guidelines from guidebase. Moved guidebase on trolley to starboard side of moonpool
3758.0	PA	P	PLD		5.5	RIH with 8" DC's and 5" HWDP from derrick. Laid out same
3758.0	PA	P	PLD		4	RIH with 20 stands 5" DP and laid down same
3758.0	PA	P	PLD		3.5	RIH with 20 stands 5" DP and laid out same
3758.0	PA	P	PLD		4.5	RIH with 20 stands 5" DP and laid out same. Used rig tongs to break out over-torqued pipe
3758.0	PA	P	PLD		2	RIH with 20 stands 5" DP and laid out 10 singles

Date : 14 Jan 2006					Daily Cost : $ 489283	Report Number : 34
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	PA	TP	WO	OTH	0.5	Waited on Medivac helicopter to depart to re-commence crane operations for laying out drillpipe. (Medivac required due to sick person - no injury or safety incident occured)

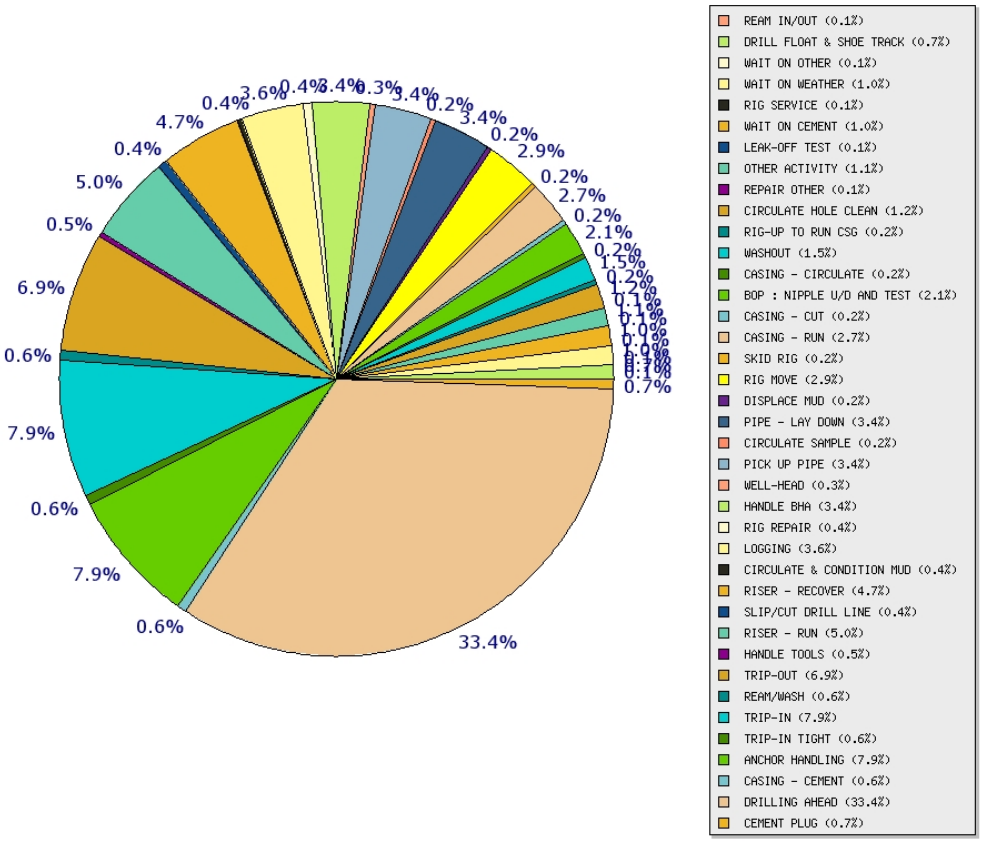
Date : 14 Jan 2006					Daily Cost : $ 489283	Report Number : 34
3758.0	PA	P	PLD	3	Continued to lay down 5" DP	
3758.0	AR	P	OA	5.5	De-ballast rig. Work on Elmago brake while de-ballasting rig.	
3758.0	AR	P	AH	15	De-ballasting completed at 09:15 Commenced Pulling anchors as follows: Boat-------Anchor--- PCC to Boat---Off Bottom----Anchor Racked-----PCC to Rig Grip---------#6----------06:45----------07:35----------10:40----------10:47 Wrangler---#2----------08:11----------10:00----------13:06----------13:21 Grip---------#3----------11:09----------11:48----------13:42----------14:03 Wrangler---#7----------13:35----------14:30----------16:22----------16:31 Grip---------#1----------14:21----------19:30---------- 21:38----------21:58 Grip---------#5----------22:16----------23:05 Wrangler on put on tow bridle @ 18:20 hrs	

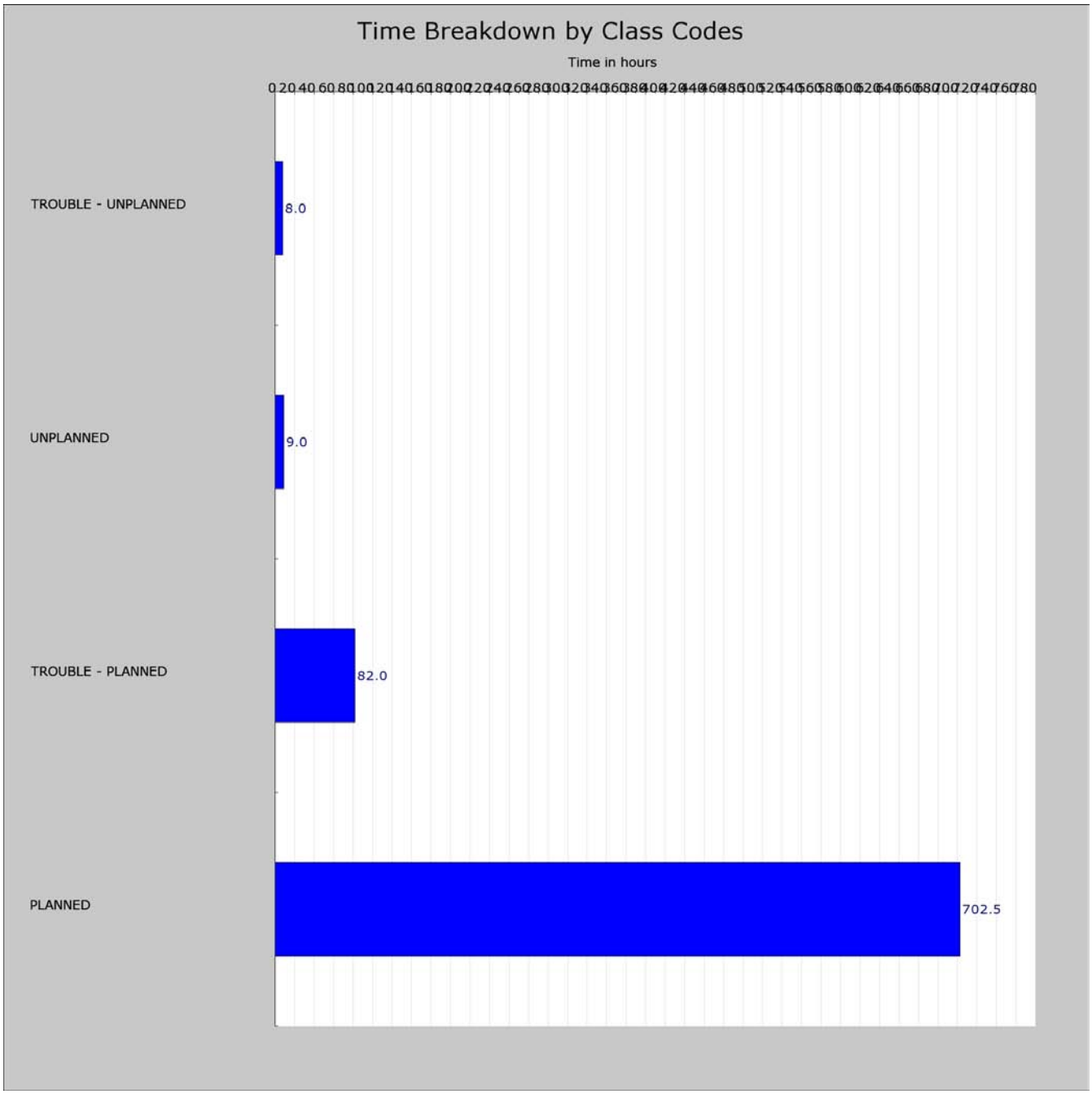
Date : 15 Jan 2006					Daily Cost : $ 680037	Report Number : 35
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
3758.0	AR	P	AH		2.5	Far Grip pulling bight of chain back to rig to release tension @ 0020hrs. Tension dropping on #5 anchor, commence to heave in @ 0050hrs. Anchor #5 @ 1350m chain out, tension dropping @ 0130hrs. Far Grip reports work wire inadvertently paid out 700m @ 0215hrs
3758.0	AR	TP	AH	OTH	3.5	Trouble shooted Far grip winch problems. Far Grip reported damage to low gear and only able to work with high gear. Prepared to move vessel to acertain tonnage available in high gear
3758.0	AR	P	AH		9	Pulling anchors as follows: Boat-------Anchor--- PCC to Boat---Off Bottom----Anchor Racked-----PCC to Rig Grip---------#5----------08:18----------08:41 Grip---------#8----------08:52----------09:25----------11:25----------11:40 Grip---------#4----------11:57----------12:50----------14:53----------N/A Wrangler put on tow bridle @ 18:20 hrs Jan 14, 2006 Ocean Patriot on tight tow @ 15:00 Jan 15, 2006 Ocean Patriot handed over to Anzon Australia Limited @ 15:00 Jan 15, 2006 Statement of facts obtained from Ocean Patriot, Wrangler and Far Grip

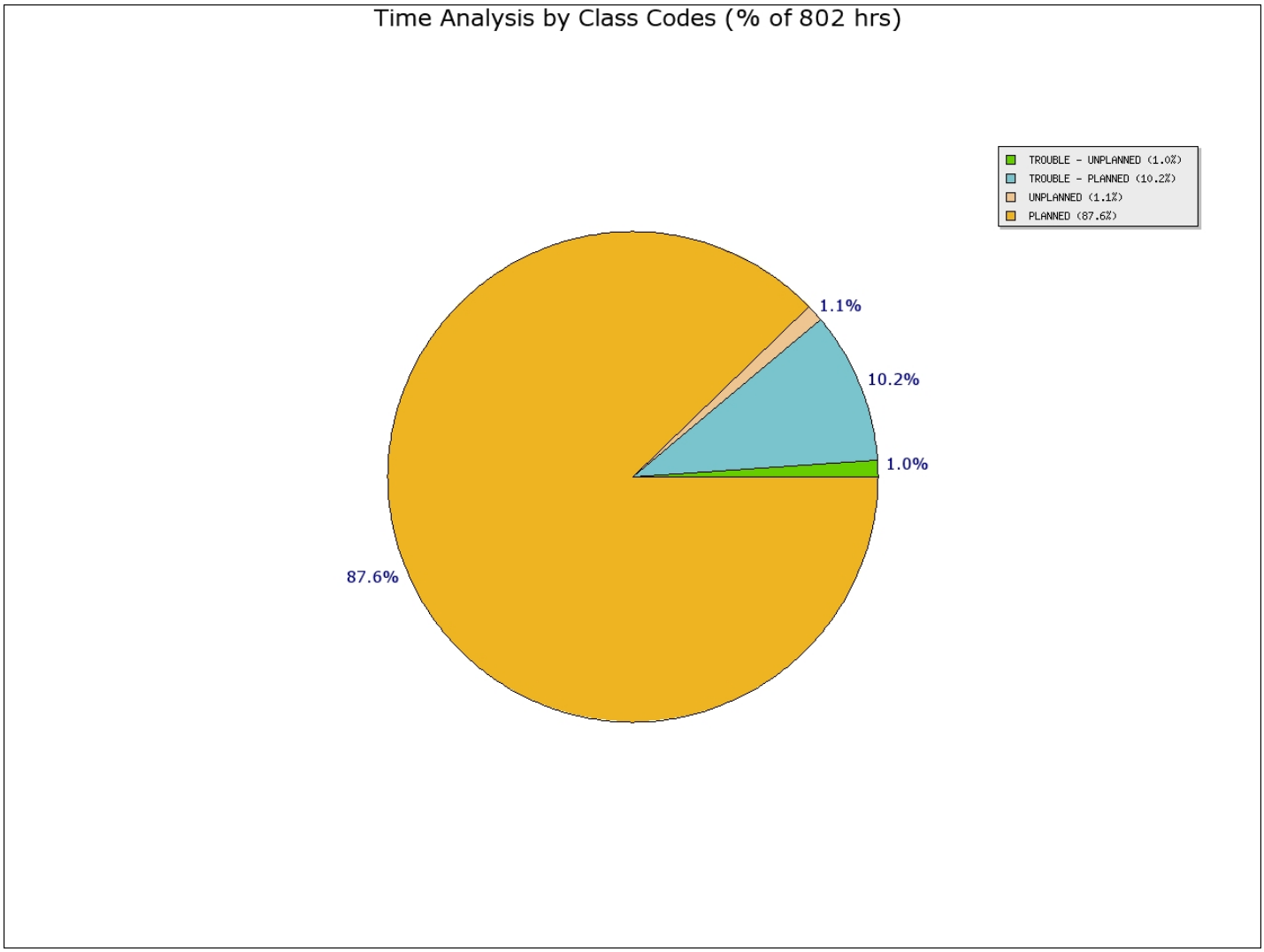
Time Analysis



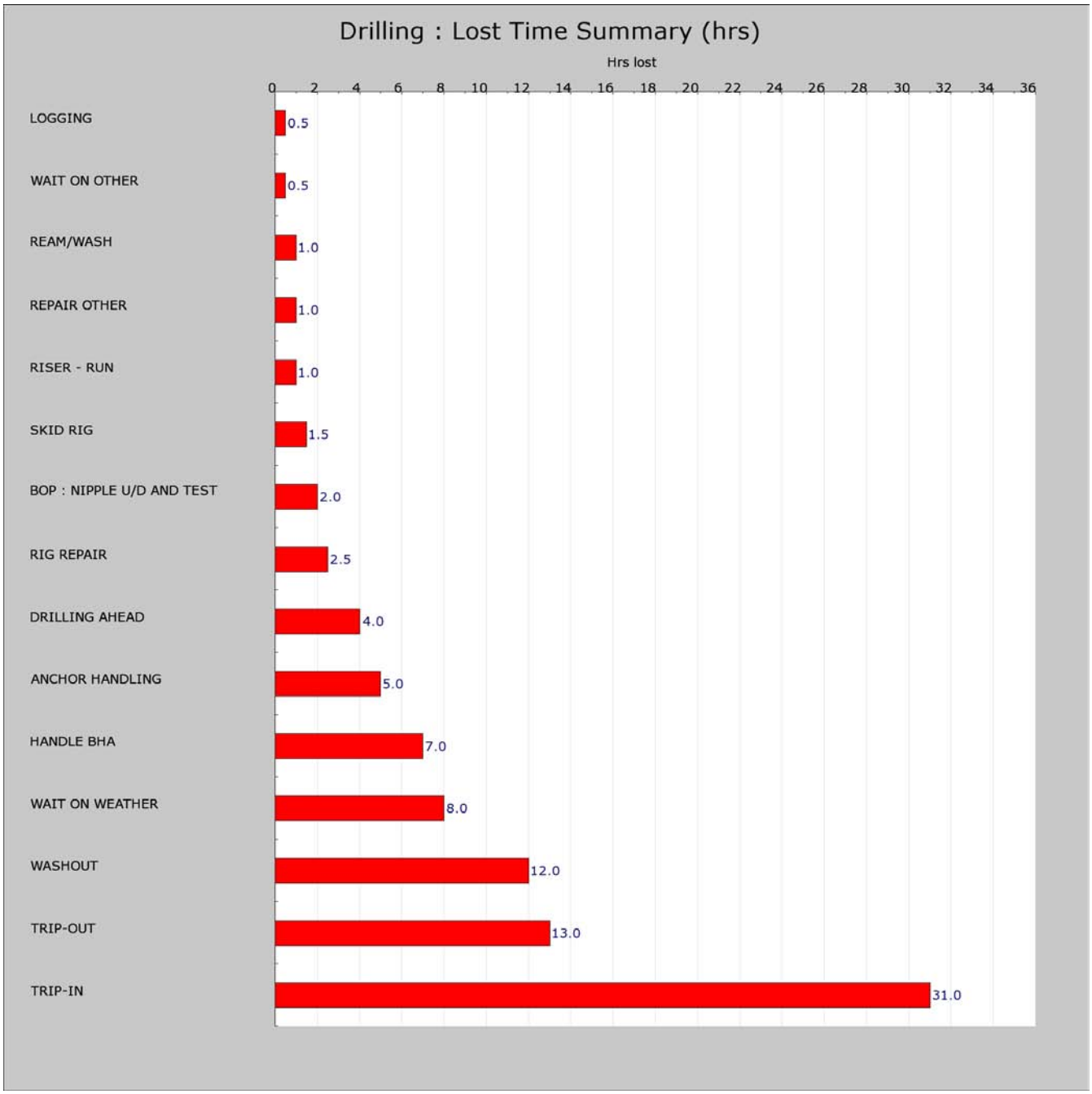
Time Analysis by Operational Code (% of 802 hrs)

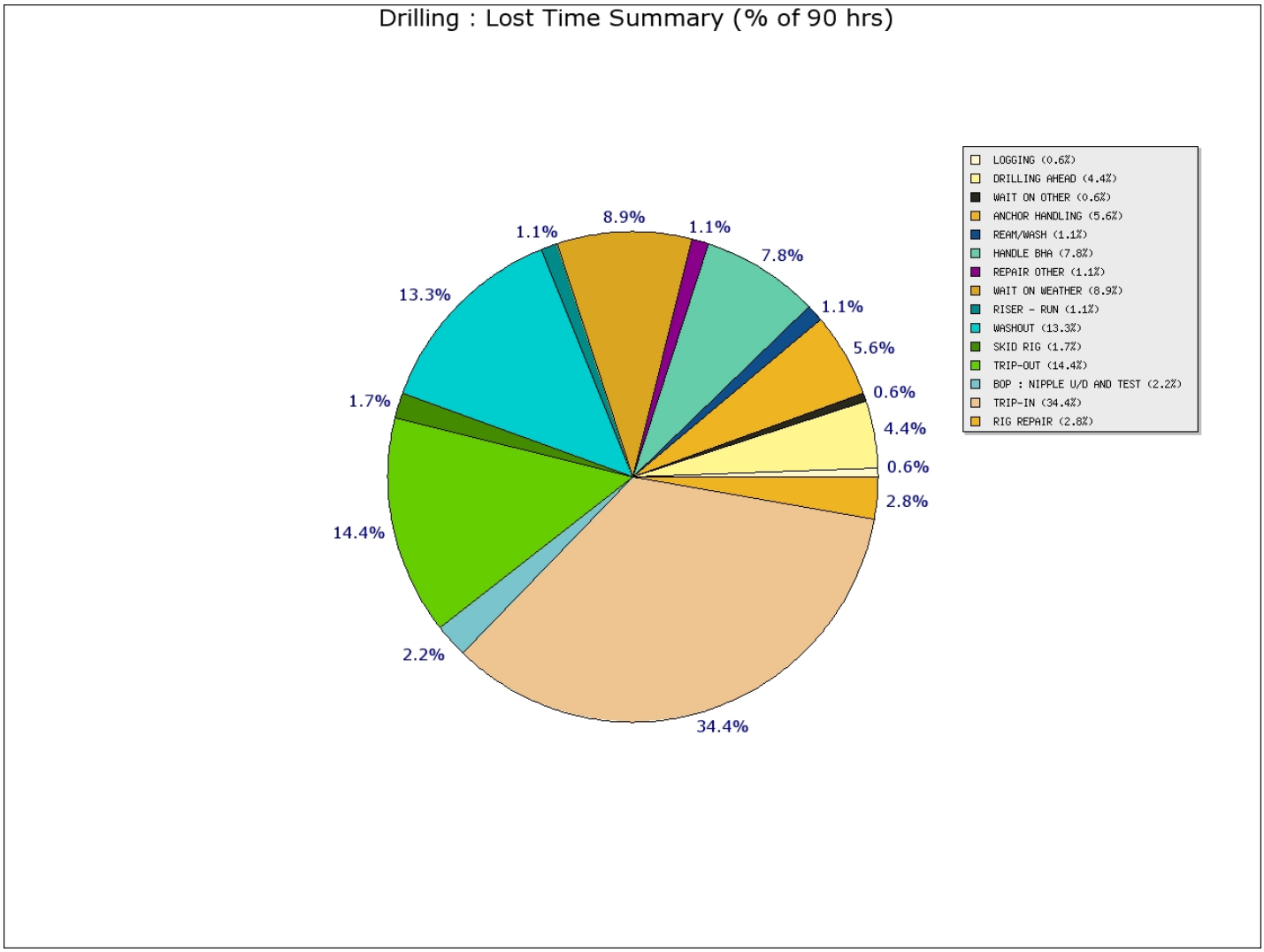


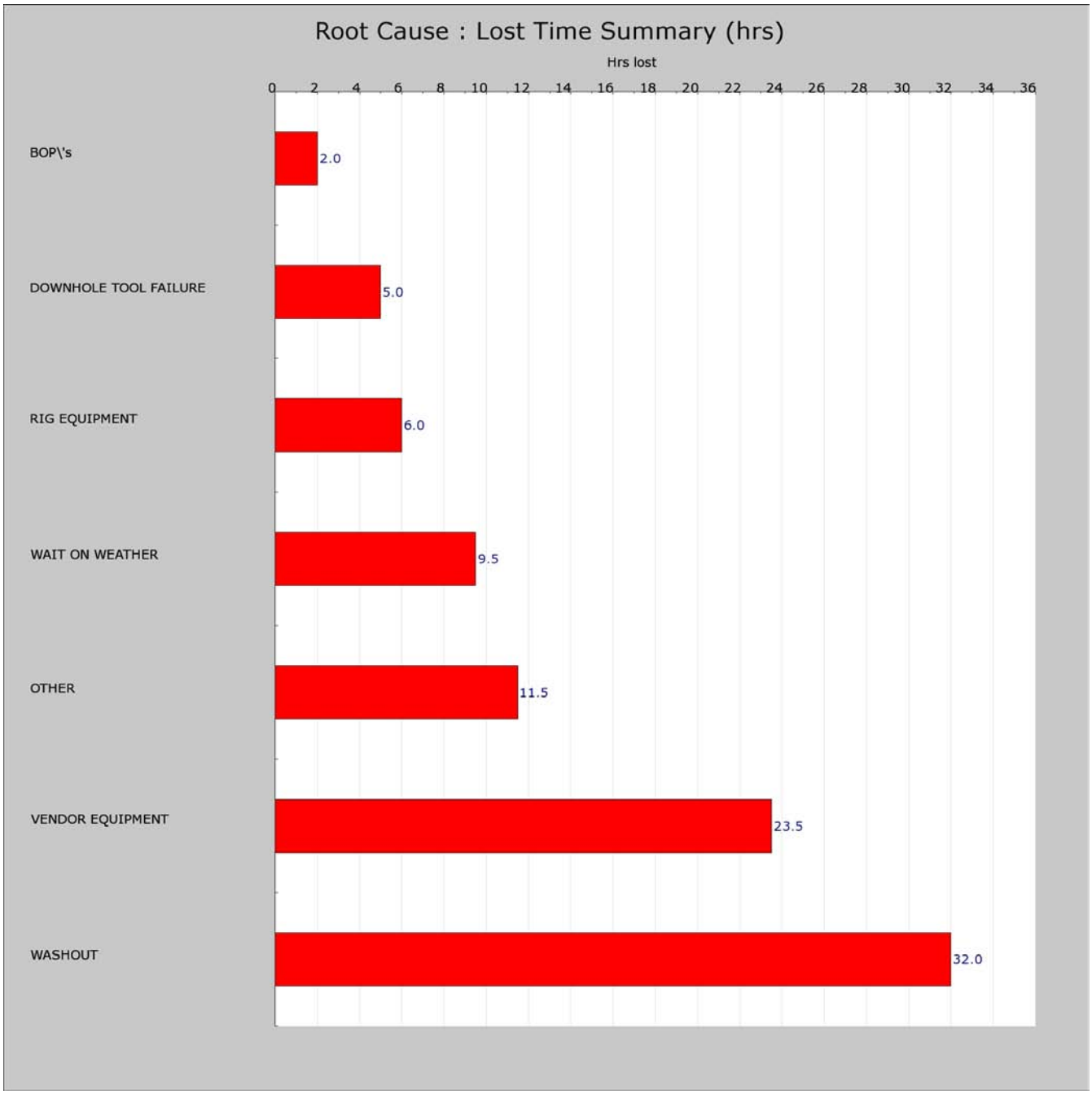


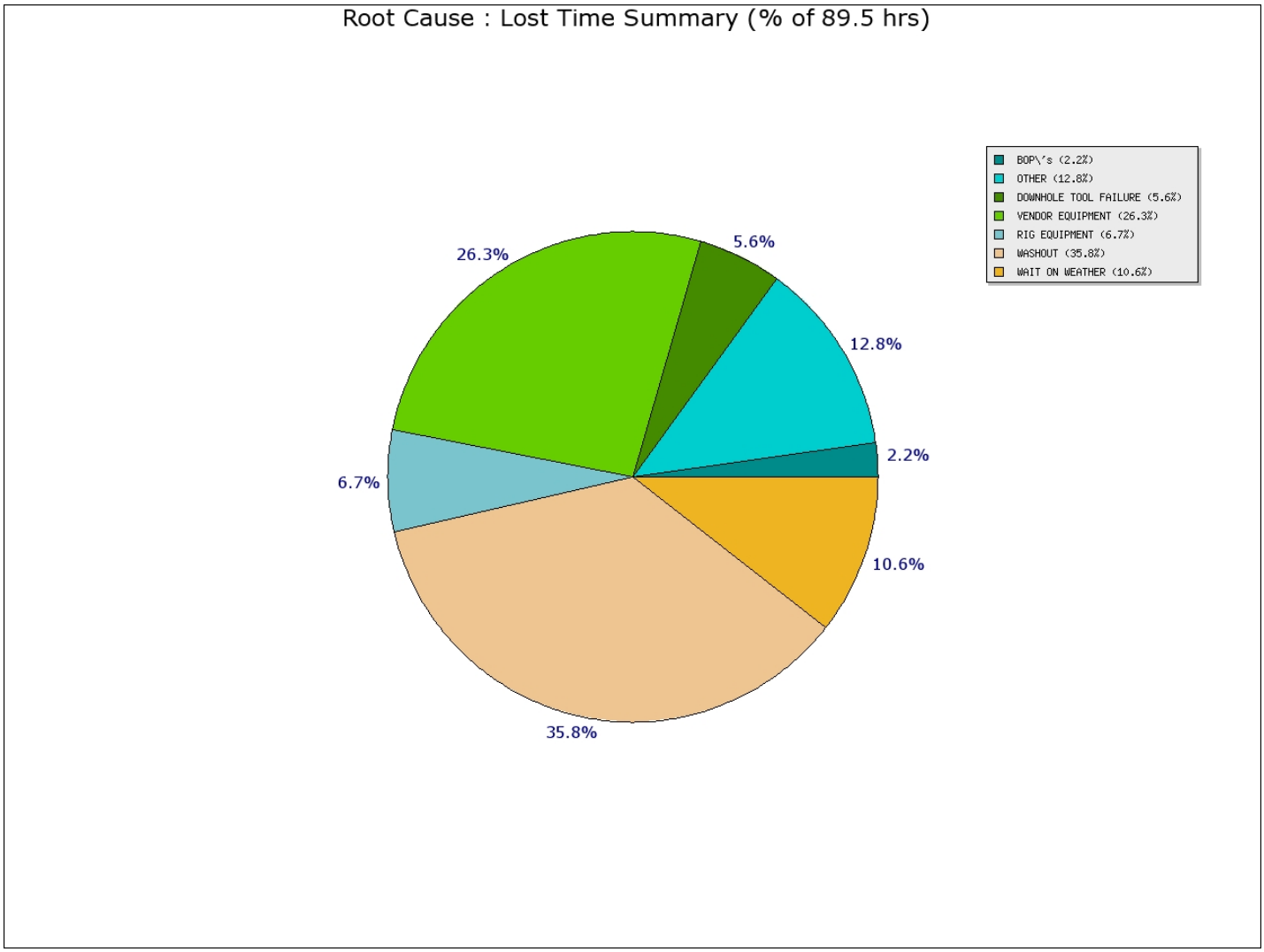


Trouble Time Analysis









NPT During Programmed Time

Date	PHS	Operation	NPT	Depth	Description of Programmed Trouble Time
16 Dec 2005	SC	REPAIR OTHER	1	650.0	Had rig welder manufacture 2 x "C" plates due to #1 & #2 guide line spears releasing and not latching correctly.
17 Dec 2005	SC	SKID RIG	1.5	650.0	Stabbed casing in open hole with ROV assistance and by moving the rig 4m stbd aft.
18 Dec 2005	IH	HANDLE BHA	1.5	650.0	Attempt to test MWD tools. Failure to produce survey information. Gamma ok. Change out stand pipe sensor after discussing with Sperry Sun in Perth. Re-test down hole tools, still not transmitting survey data
18 Dec 2005	IH	HANDLE BHA	3.5	650.0	POOH and Rack back BHA from 103m to access MWD internals at rotary table. Remove faulty unit and install back up unit. Run in hole to 103m. Shallow test OK. Battery module is the suspected faulty item.
18 Dec 2005	IH	TRIP-IN	1	650.0	Move rig to assist with stabbing drill string in 30" housing. Initialy guide ropes ok but due to excess current and movement 2 broke then the remaining 2. Skid rig to assist with stabbing, due to 5-6m seas and 42knot winds the winch tension was excessive before sea bed movement was achieved.
18 Dec 2005	IH	TRIP-IN	3.5	650.0	POOH from 604m to surface, install new soft line guide ropes to assist in stabbing. RIH to PGB at 605m, stab and continue RIh to top of cement at 644m.
23 Dec 2005	BOP	RISER - RUN	1	1525.0	ROV camera system problems while on bottom monitoring BOP/PGB. Camera's were cutting out and all visibility was lost. Topside black and white camera still working. Recover ROV and move top side black and white camera to front pan tilt for landing bops'. Water had ingressed into camera electrics cannister. Gain use of 2 cameras and dive ROV
24 Dec 2005	IH	BOP : NIPPLE U/D AND TEST	2	1525.0	Attempt function test on blue pod, Run-away observed on open function for upper annular. Function several times and uncontroled flow stopped. Change back to yellow pod and upper annular functions ok. Proceed with operations after discussing equipment failure. Signs made for all BOP panels stating not to operate upper annular on blue pod. Currently drilling on Yellow pod.
27 Dec 2005	IH	DRILLING AHEAD	0.5	2787.0	Backed out saver sub on Top Drive during routine connection. Layed out single, installed new saver sub on Top Drive and picked up a replacement single of 127mm (5") dp.
27 Dec 2005	IH	DRILLING AHEAD	0.5	2991.0	Top Drive pipe handler failed to break out drill pipe during routine connection, change out front carrier die while circulating down string.
28 Dec 2005	IH	DRILLING AHEAD	1.5	3266.0	Drilling operations suspended due to riser flex joint bullseye reading exceeding "GEM's" guidelines. Circulate while trying to maneouver rig with anchor winches. Wind 35-40 knots, Seas 1.5m WSW, Swell 1.5m NE
29 Dec 2005	IH	DRILLING AHEAD	1	3356.0	Change out piston on #3 mud pump. fault find and repair blower motor fault.
30 Dec 2005	IH	DRILLING AHEAD	0.5	3390.0	Elmagco auxillary brake problems. fault find and make repairs. Continue with 50% power available to Elmagco
02 Jan 2006	IH	WASHOUT	6.5	3571.0	Continued POOH checking for washout. Visually inspect tool joint seal faces of each stand for wear. Flow checked at casing shoe and at HWDP. Downloaded sources from LWD tools. POOH and inspected BHA for washout. Broke off bit and laid out motor
02 Jan 2006	IH	TRIP-IN	2	3571.0	Made up 12 1/4" rotary BHA with Smith GF30BOVCPS (c/w 3 X 18 nozzles), install new HOC.
02 Jan 2006	IH	TRIP-IN	2	3571.0	Initailized MWD and install sources in tool.
02 Jan 2006	IH	TRIP-IN	6.5	3571.0	Picked up additional 8" DC's & RIH with 12 1/4" BHA, changed out drilling jar, continued RIH. Shallow pulse tested MWD with 850 GPM @ 2000psi, OK. RIH with 5" DP from derrick to 2134m MDRT, filled drillstring each 20 stands
02 Jan 2006	IH	TRIP-OUT	2	3571.0	Flow checked 15 minutes, good. POOH for LWD failure and potential washout from 2593m MDRT to 2020m MDRT. 60klbs overpull @ 2326m MDRT, worked drill string free
03 Jan 2006	IH	TRIP-OUT	1.5	3571.0	Continued POOH for LWD failure (also POH wet looking for washout) from 2020m MDRT to 1510m MDRT

NPT During Programmed Time

Date	PHS	Operation	NPT	Depth	Description of Programmed Trouble Time
03 Jan 2006	IH	TRIP-OUT	1	3571.0	Installed top drive and pump through drill string at 1510m MDRT to verify pump pressure loss. 220 SPM, 940 GPM, 3600 psi, no pressure loss noted. Presure test Pumps #1, #2 & #3 10 minutes each to 3800 psi against standpipe manifold to verify mud pump and mudline integrity. Observed average pressure loss of 91psi over 10 minutes
03 Jan 2006	IH	TRIP-OUT	2.5	3571.0	Continued POOH for LWD failure (also POOH wet looking for washout) from 1510m MDRT to 271m MDRT
03 Jan 2006	IH	TRIP-OUT	4	3571.0	POOH with 12 1/4" BHA. Removed sources from LWD tools. Laid out LWD string. Downloaded data and diagnostics information (Pulser falure).
03 Jan 2006	IH	TRIP-IN	3	3571.0	Lined up Dowel cementing unit and pressure tested mud pumps and surface mud lines to 4200 psi. Calibrated gauges between rig floor, mud loggers, MWD, and Dowell. Picked up new 12 1/4" rotary BHA while pressure testing
03 Jan 2006	IH	TRIP-IN	4	3571.0	Continued to pick up 12 1/4" BHA. Initialized LWD and installed sources. RIH and shallow pulse tested LWD with 850 GPM @ 200 SPM and 1700 psi, good
03 Jan 2006	IH	TRIP-IN	2.5	3571.0	RIH with 5" DP and filled drillstring each 20 stands to 1510m MDRT
03 Jan 2006	IH	WAIT ON WEATHER	3.5	3571.0	Waiting on Weather to RIH. Excessive flex joint and riser angles Winds: 40-45knts WSW Seas; 3m Swells; 4m Pitch 0.7 - 0.9 Roll; 0.8 - 0.9 Perform General rig maintenance and PM's
04 Jan 2006	IH	WAIT ON WEATHER	3.5	3571.0	Waiting on Weather to RIH. Excessive flex joint and riser angles Winds: 30-22knts WSW Seas; 2.5m - 1.5m Swells; 4m - 3m Pitch 0.6 Roll; 0.8 Perform General rig maintenance and PM's
04 Jan 2006	IH	WAIT ON WEATHER	1	3571.0	Repositioned rig to bring flex joint angle to < 1 degree
04 Jan 2006	IH	TRIP-IN	4.5	3571.0	Continued to RIH with 5" DP from 1510m MDRT to 3487m MDRT
04 Jan 2006	IH	REAM/WASH	1	3571.0	Washed and reamed from 3487m MDRT to 3571m MDRT
07 Jan 2006	IH	RIG REPAIR	1	3758.0	Repaired hose on racking arm
08 Jan 2006	IH	LOGGING	0.5	3758.0	Troubleshot network cabling problem with computer hardware in logging unit
09 Jan 2006	PA	RIG REPAIR	0.5	3758.0	Worked on mud pump SCRs. Rotated and reciprocated drillstring during repairs
12 Jan 2006	PA	TRIP-OUT	2	3758.0	POOH with wellhead and 20" casing stub. Laid out same
12 Jan 2006	BOP	HANDLE BHA	2	3758.0	Held JSA. Changed out casing cutters blades, grapple, spacer sub and centralizer on casing cutter assembly
12 Jan 2006	PA	TRIP-IN	2	3758.0	RIH with casing cutter to 30" housing
14 Jan 2006	PA	WAIT ON OTHER	0.5	3758.0	Waited on Medivac helicopter to depart to re-commence crane operations for laying out drillpipe. (Medivac required due to sick person - no injury or safety incident occured)
15 Jan 2006	AR	ANCHOR HANDLING	3.5	3758.0	Trouble shooted Far grip winch problems. Far Grip reported damage to low gear and only able to work with high gear. Prepared to move vessel to acertain tonnage available in high gear