



HALLIBURTON

Fluid Systems

BAROID FLUID SERVICES RECAP

**3D OIL AUSTRALIA PTY LTD
WEST TRITON
BASS STRAIT, VICTORIA**

Wardie 1

Prepared by:

B Auckram
G Lange
J Munford

Date:

May, 2008

Table of Contents

1. WELL SUMMARY
2. COST SUMMARY
3. PERFORMANCE SUMMARY
4. INTERVALS (36", 17 1/2" and 12 1/4" Hole, Plug and Abandon)
5. Evaluation
6. GRAPHS
 - Recap Mud Cost vs Depth
 - Recap Mud Density, Viscosity and Solids content vs Depth
 - Recap Mud Rheology and Gel Strengths vs Depth
 - Recap Mud Filtrate and Chemistry vs Depth
7. POST WELL AUDIT
 - Well Summary
 - Total Cost Breakdown
 - Net Well Cost Breakdown
 - Interval Summary
 - Interval Cost Breakdown
 - Interval Chemical Concentration Report
 - Fluid Volume Record
 - Fluid Property Recap
 - Fluid Program Exceptions Report
 - Operations Log Recap
 - Well Deviation (Actual)
 - Bit & Hydraulic Record
8. DAILY MUD REPORTS

1.

WELL SUMMARY

1.1 Well Data

Well Name	:	Wardie 1
Operator	:	3D Oil Australia Pty Ltd
Well Type	:	Vertical/Exploration
Bottom Hole Temperature	:	58° C
Maximum Inclination	:	28.5°
Location	:	VIC P57, Gippsland Basin, Victoria
Contractor/Rig	:	West Triton
Start Date (Rig)	:	09/05/2008
Baroid On Location	:	09/05/2008
Drill Out Date	:	11/05/2008
RT to Mudline	:	77.5 m
Total Depth	:	1766m
Date TD Reached	:	18/05/2008
Total Days Actual Drilling	:	6
Date Released	:	25/04/2008
Total Days on Well	:	17
Drilling Cuttings Volume	:	290m ³

Formation Tops

Formation	MDRT (m)	TVDRT (m)	Length (m MD)
Gippsland	77.5	77.5	
Lakes Entrance	982	903.3	904.5
Gurnard Formation	1523	1379.4	541
Top N1			
Top N2.3	1653	1506.6	130
Top N2.6	1677.5	1530.8	24.5
Top P1			
Total Depth	1766	1618.2	88.5

1.3 Casing Program

30	Conductor	@	132 m MDRT
13 ³ / ₈	Intermediate Casing	@	747 m MDRT

1.4 Personnel

Drilling Supervisors	:	Shaughan Corless	Rocco Moussow
	:		Stefan Schmidt
Baroid Field Service Reps.	:	Brian Auckram	Gerald Lange
		James Munford	

2. COST SUMMARY

2.1 Drilling Fluid Costs

	Drilling Fluid	Hole Size	MD From	MD To	Cost USD \$
1.	Seawater and Viscous Sweeps	36"	77.5m (36")	136m (36")	
	Pad Mud / Displacement Mud	x 17.5"	136m (17.5")	751 m (17.5")	13,197.52
3.	KCL/POLYMER	12 1/4"	751 m	1766 m	98,004.31
Mud Materials Used For Drilling					USD \$ 111,201.83
Mud Materials Used For Cementing					USD \$ 414.60
Mud Materials Used For Completion					USD \$ 0
Other Materials Used (Cleaning Pits & Rig Cleaning)					USD \$ 0
Products Lost / Damaged					USD \$ 0
Solids Control / Waste Management Cost					USD \$ 0
Total Materials					Total USD \$ 111,616.43

2.2 Engineering Costs

Service Representatives	From (date)	To (date)	Days
Brian Auckram	09/05/08	15/05/08	7
Gerald Lange	09/05/08	21/05/08	13
James Munford	15/05/08	25/05/08	10
Edwards Eugene	22/05/08	25/05/08	4
Total Days:			34
Service Cost	@ USD \$ 1250	USD \$	42,500
Total Cost of Materials & Engineering:			USD \$ 154,116.43

3. PERFORMANCE SUMMARY

3.1 Comments

The Jack-up West Triton was moved from the West Seahorse -3 location to Wardie - 1 location on the 9th May 2008.

3.2 Performance Indicators

Interval 1. (77.5m–751 m) – 36”x 17.5” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	676	673	Yes
• Volume Built, bbl	3967	3891	Yes
• Dilution Rate, bbl/m	NA	NA	NA
• Consumption Rate, bbl/m	5.87	5.78	Yes
• Mud Cost / bbl, US\$	7.14	3.39	No
• Mud Cost / m, US\$	41.89	19.61	No
• Interval Mud Cost, US\$	28,314.15	13,197.52	No
Interval 2. (751m – 1,766m) – 12.25 ” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	743	1015	No
• Volume Built, bbl	2704	2864	Yes
• Dilution Rate, bbl/m	1.75	1.95	No
• Consumption Rate, bbl/m	3.64	2.86	No
• Mud Cost / bbl, US\$	46.31	34.22	No
• Mud Cost / m, US\$	168.54	96.56	No
• Interval Mud Cost, US\$	125,222.76	98,004.31	No

3.3 Explanation of Non-Conformance

Interval 1: 36” and 17.5”

The volume of Pre-Hydrated Bentonite (PHB) mud built for sweeps and the cost was lower then programmed. This was due to amount of PHB built during the P & A of West Seahorse-3.

Drilling the 17.5” section, seawater was used with 30 bbls of flocculated PHB high viscosity sweeps pumped on every 15m drilled and 30 bbls of PHB spotted on bottom on connections. At TD 751m, two 100 bbls PHB sweep was pumped in an interval of 20 minutes and circulated out with two bottoms up. The hole was then displaced with KCL / Polymer mud from the previous well. All mud returns to sea floor.

Interval 2: 12.25”

Drilling in the 12.25” section of the hole was drilled at high ROPs. The time it took to drill 1015m was less than two days. This contributed to less dilution required for the mud and the smaller consumption rates. The overall cost per barrel and meter for this interval was well short of programmed specifications. This could also be attributed to the higher ROP and lessened contamination of the mud. Less than programmed amount of chemicals was used in this well.

4. INTERVAL - 1

4.1 SUMMARY

36" Hole From 77m To 136 m In 1 Day

Drilling Fluid Seawater and Viscous Sweeps, Spud Mud
Formations Gippsland.

Wardie 1 was spudded at 18:30 on 10/5/2008.

The 36" interval was drilled riser-less, using seawater and unweighted hi-vis flocculated spud mud sweeps from 76.8 m to 136 m. The spud mud used for sweeps was built from pre-hydrated bentonite at 40 ppb, cut back with seawater once hydrated and flocculated by the addition of lime prior to pumping. 75 bbl sweeps were pumped at each joint to clean the hole.

The Pre-hydrated gel used was from a previous well and had ample time to hydrate.

After drilling to 136m, a 200bbl flocculated PHB sweep was pumped to clean the hole and the open hole was displaced with 350 bbls, of unflocculated PHB.

The 30" conductor was run to bottom after a delay due to poor visibility on the sea floor making it difficult to locate the hole. It was then cemented as per program.

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, sg	ALAP	ALAP	1.04	1.06	Yes
6 rpm, lb/100 ft ²	>40		42	70	Yes
YP, lbs/100ft ²	>50		56	123	Yes
Viscosity, sec/qt	>100		100+	100+	Yes
pH	9	10	9	9.5	Yes
Plastic Viscosity, cp	ALAP		13	26	Yes

Maintenance

- The bentonite used was first prehydrated in drill water at a concentration of 35-40 ppb. This was then cut back to 20-30 ppb using seawater. Lime was added prior to use to enhance viscosity. Caustic soda was used to obtain required alkalinity.
- Pit # 6 was used for seawater for drilling. The hi-vis sweeps were contained in pits 4, 5, 6 and 8. All 1.1 sg weighted displacement mud, kept from the previous well was kept in pits 3 and 7.

INTERVAL – 2

4.2 SUMMARY

17.5" Hole From 136 m To 751 m In 2 Days

Drilling Fluid Flocculated Seawater/Bentonite
Formations Gippsland Limestone/Lakes Entrance

The 17.5" section was drilled using flocculated seawater / pre-hydrated bentonite fluid. Pre-hydrated Bentonite at 30-40ppb was prepared and pre-hydrated. The PHB was then cut back with seawater to approximately 15-20ppb, depending on viscosity requirements.

The sweep regime used was 2 x 30bbl sweeps while drilling each stand and a 30bbl unflocculated PHG pill spotted on bottom at connections.

Approximately 950bbl of 1.15sg inhibited mud mixed with some PHG for viscosity, retained from the previous well was spotted on bottom prior to pulling out of the hole to run casing.

The 13 3/8" casing was run and cemented with no problems.

Properties	Programmed		Actual		Conformance
	Min	Max	Min	Max	
Mud Weight, sg		<1.06	1.06	1.06	Yes
Viscosity, sec/qt	50	80	94	100+	No
pH	8	9.5	9.5	9.5	Yes

Explanation of Non-Conformance

- The Funnel Viscosity quoted is for the unflocculated PHG.

Maintenance

- The fluid for this interval consisted of prehydrated gel built at 35 ppb and blended with seawater once hydrated at approximately 2:1, depending on the funnel viscosity at the time of mixing dilution volume.
- The KCl / polymer mud used was from West Seahorse-3 well.

INTERVAL - 3

4.3 SUMMARY

12.25 " Hole From 751m To 1766m In 2 Days

Drilling Fluid KCL/Polymer/Clayseal
Formations Lakes Entrance/Latrobe Formations

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, sg	1	1.2	1.06	1.13	Yes
PV, cp	ALAP		10	15	Yes
YP, lbs/100 ft ²	20	30	18	33	Yes
6 rpm, lbs/100 ft ²	12	16	9	15	Partial
pH	8.8	9.5	8.5	9.5	Partial
KCL, wt%	6	8	7.5	8	Yes
API WL, mL/30 min		6	5.1	7.2	Yes
LGS, % vol		10	1.27	4.42	Yes

Explanation of Non-Conformance

- The initial 6 rpm was less than programmed. Due to the low concentration of polymers added, to the initial mud built to ensure a smooth displacement. Additional PHPA and **BARAZAN D+**, was added to bring the mud into specification, once it was sheared.

Maintenance

- The initial 6rpm readings were below the programmed 10 -15. The new mud was built between 0.8 and 1ppb, to enable circulation over the shakers while un-sheared. The 6rpm was raised by gradual additions to 13-14 lbs/100 ft² with 0.5ppb **BARAZAN D+** and 0.75 ppb EZ-Mud. The shaker screens size at displacement were 89 mesh screens. After mud sheared the screens were replaced with used 255 mesh screens. A total of 5 x 255 mesh, new screens were used on this well.
- The potassium concentration depletion was only 0.5% from the initial 8% mixed and the new premixes were built with higher concentration of KCl to maintain 8%.
- The initial mud made, did not include the 10ppb calcium carbonate, which was required to be added prior to drilling the Latrobe. At 100m above the Latrobe formation the 10 ppb of calcium carbonate was added. There was an increase in mud weight of 0.1 ppg after the calcium carbonate was added.
- No large cuttings, coal or shale were observed at the shakers/ gumbo box while drilling. The **BARABLOK** at 4 ppb added prior to entering the Latrobe formation, was successful in controlling the coal stringers encountered while drilling. At total depth, after logging and prior to spotting the first cement plug, the hole was circulated and large pieces 4" x 2" x 1" of coal was observed over the shakers.

- The inhibition provided by 8% KCL and 2% **CLAY SEAL+** was sufficient to prevent any obvious signs of bit balling and the cuttings over the shakers were soft but not sticky and able to be removed by the shakers. The last few meters of formation drilled to total depth at 1766m, and circulated out, the clay over the shakers were very sticky blinding the top 20 mesh screen causing mud losses over the shaker. The pumps strokes were reduced to 100 stks per minute from 200 strks, eliminating the mud loses. The pump strokes were increased to 200 strokes after the clay was removed from the system.
- Circulated the hole clean and a wiper trip was made to the casing shoe, having to circulate and back ream due to tight hole. Ran back to bottom slick. Circulate bottoms up, a considerable amount of small cavings were observed over the shakers. Circulated until the hole was clean and mud weight consistent at 1.13 SG (9.4 ppg). Pulled out of the hole with no problems.
- Ran wire line logs with no hole difficulties.
- P & A well.

Solids Control Equipment

- The 4 VSM 300 shakers were dressed with 89 mesh screens, for the initial displacement of un-sheared KCL /Polymer mud. Circulating rates were +/- 1000 gpm and the screens were replaced with 255 mesh as soon as possible.
- The scalper screens initially installed on the shakers were 20 mesh. During the drilling of the interval, with the addition of premix for volume and PHPA / **BARAZAN D+** additions to the active, the mud was covering 60% of the four shakers scalper screens.
- One centrifuge was run continuously to total depth to help maintain the mud weight below 1.13 sg (9.4 ppg). Mud returns from the centrifuge to the active system were below 8.9 ppg,
- consistently.

4.4 Plug and Abandon

The well was plugged back with 3 cement plugs, no testing was done. No 9 5/8" casing was set.

5.0 EVALUATION

Comments

The practice of spotting KCl polymer fluid salvaged from previous wells should be continued.

Problems, Causes, Remedial Action Taken or Recommended

5.1 RECOMMENDATIONS FOR IMPROVEMENT

Mud system

- Consideration should be given to running an **ACCOLADE** mud system on future drills in the area. It may be possible to eliminate the wiper trip prior to logging by using the invert mud.

Drilling Fluid

- The initial concentration of 1-1.5 ppb PHPA should be maintained at 1.5 ppb. At the top of the Latrobe formation the 8% Potassium, 1.5 ppb PHPA and 2% CLAYSEAL PLUS should be maintained and in particular the clay drilled below the last production sand. The clay was very water absorbent dissolving, breaking the clay up, very sticky blinding the top 20 mesh screens on the shakers and increasing the MBT of the mud.

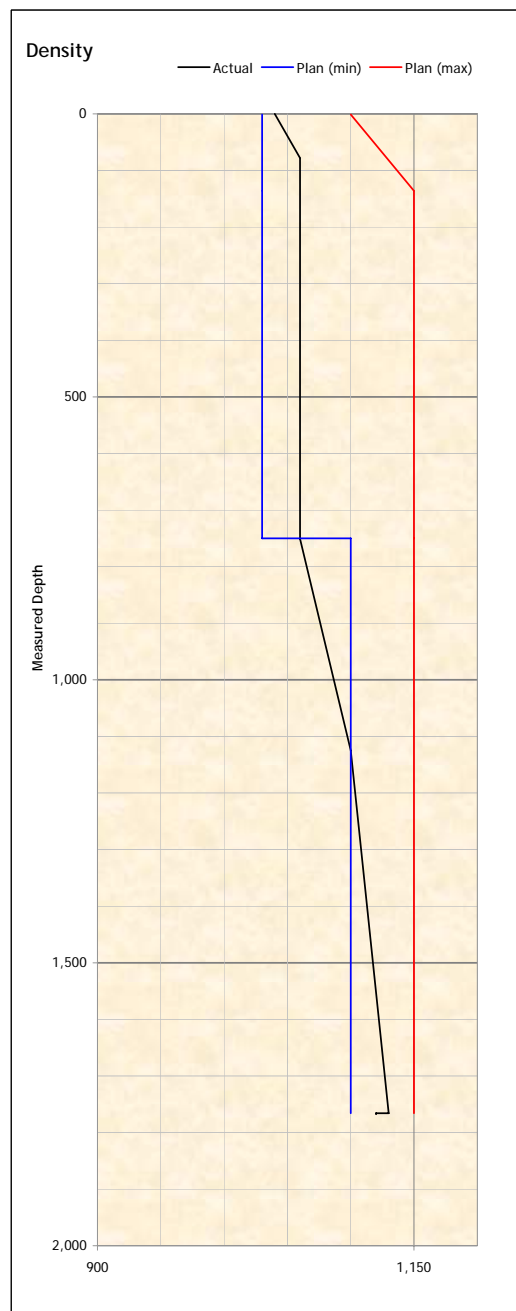
Solids Control and Mud Mixing Equipment

GRAPHS

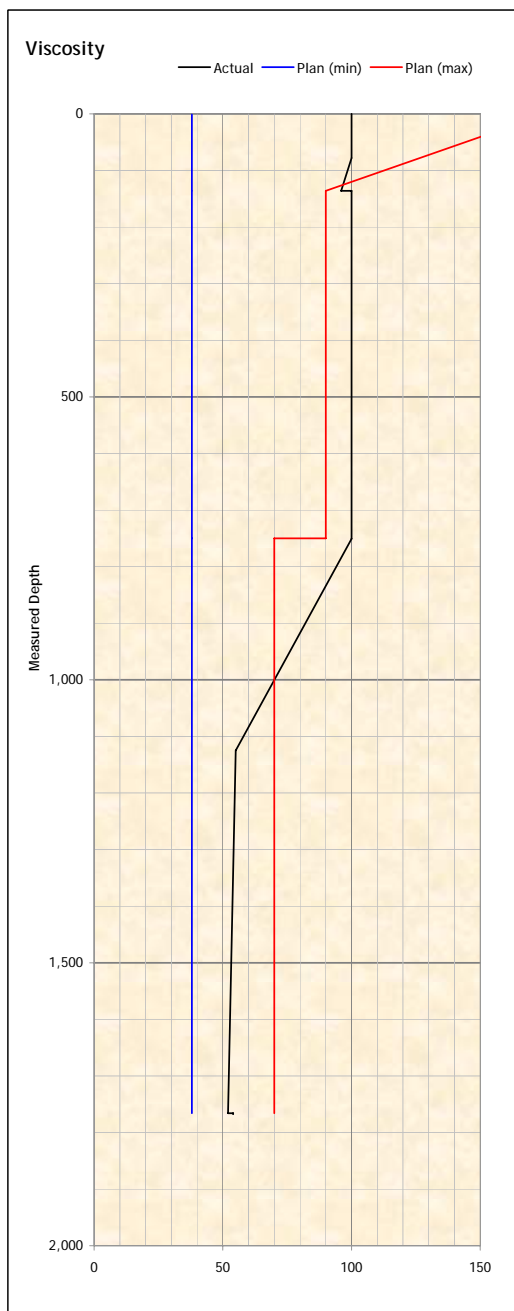
Cost vs Depth



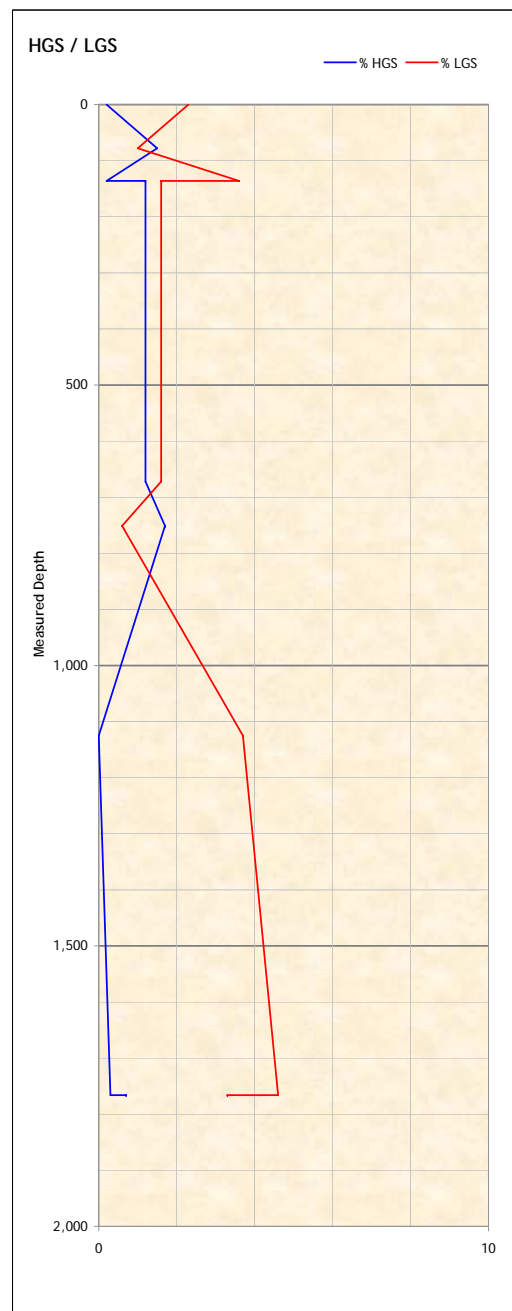
3D Oil



Wardie - 1



38o 12' 25.08"S Lat X 147o 37' 09.18"E Long

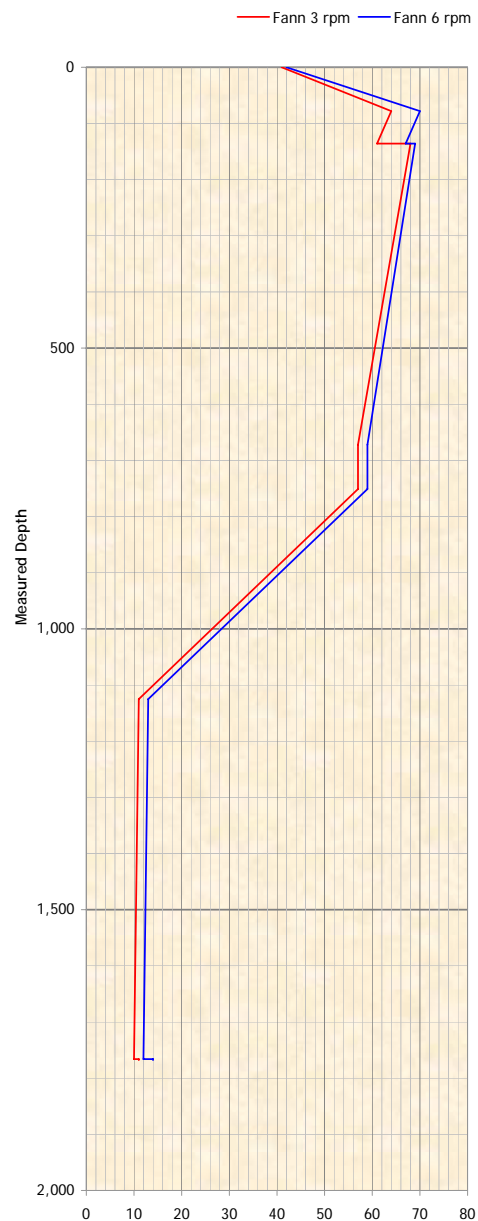


3D Oil

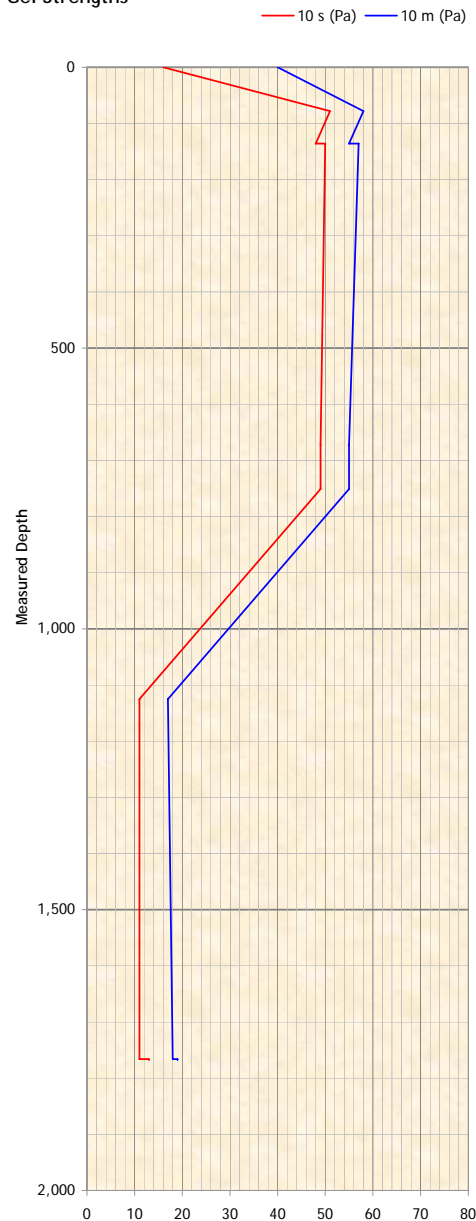
Wardie - 1

38o 12' 25.08"S Lat X 147o 37' 09.18"E Long

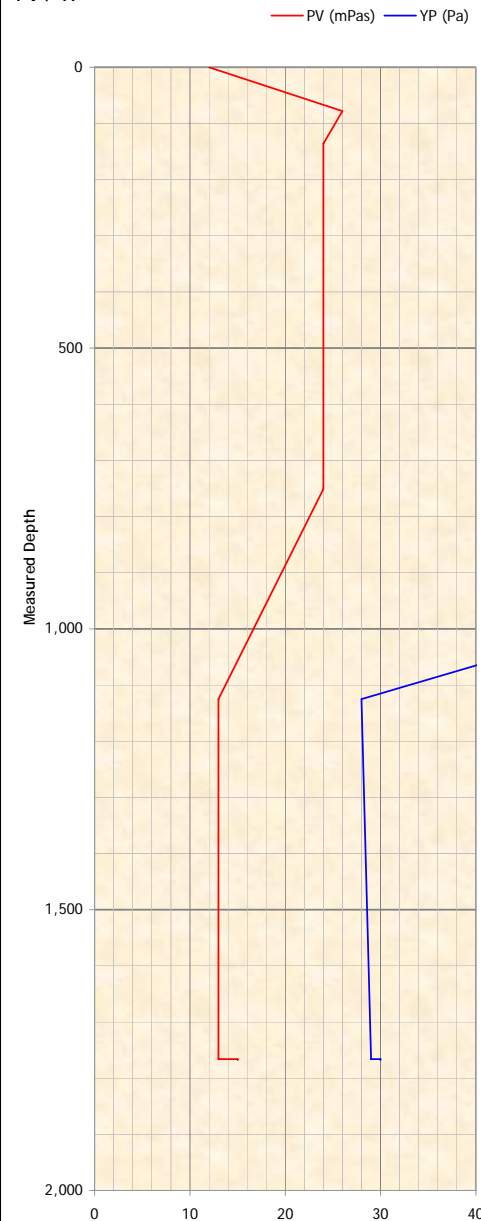
Fann 3/6 rpm



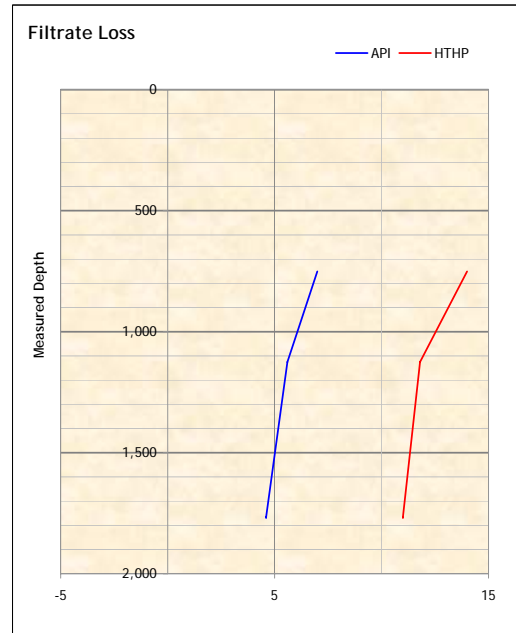
Gel Strengths



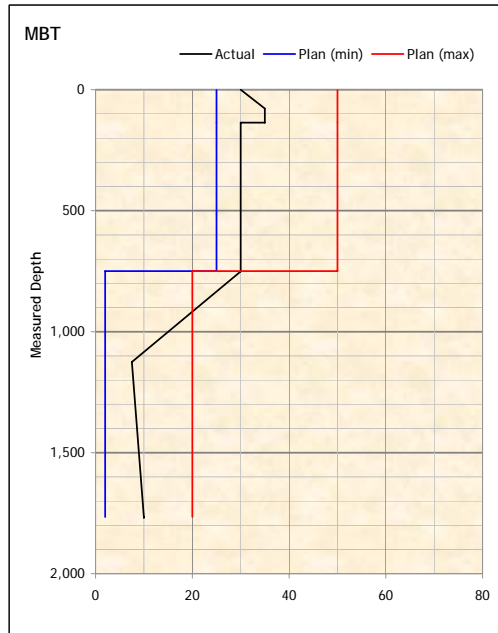
PV / YP



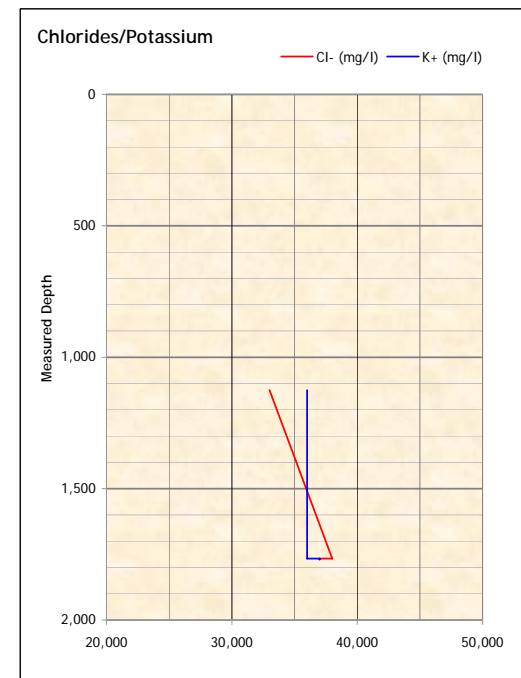
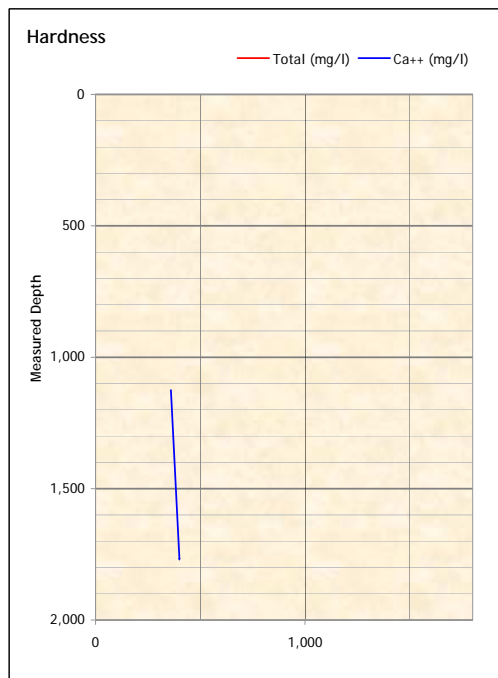
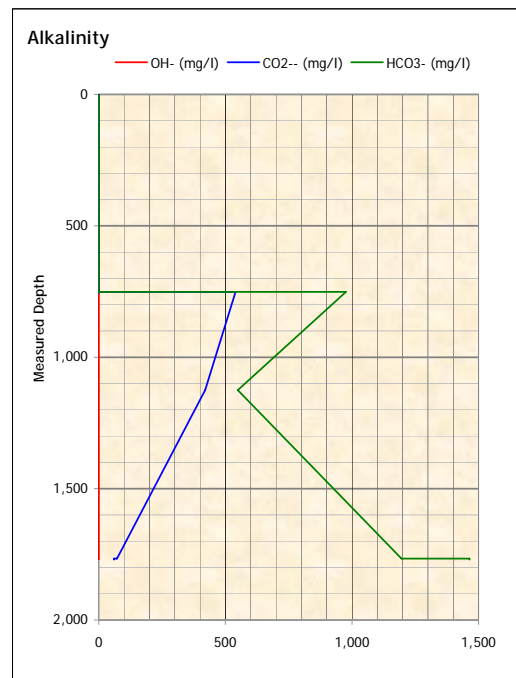
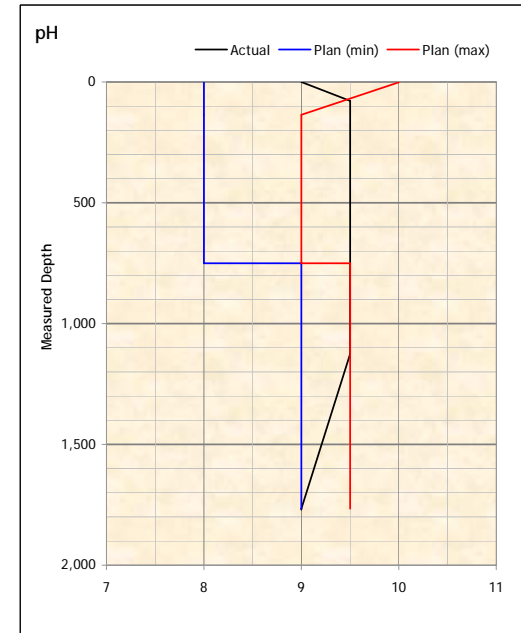
3D Oil



Wardie - 1



38o 12' 25.08"S Lat X 147o 37' 09.18"E Long



POSTWELL AUDIT

Well Name Wardie-1
 Operator 3D Oil Ltd
 Contractor Seadrill
 Rig No West Triton
 Unit System Apache

Well Summary Report

Well Data

Spud Date	05/10/2008	Fluids/Products: Drilling Cost	\$	111,201.83
TD Date	05/18/2008	Fluids/Products: Completion Cost	\$	0.00
Project		Solids Control/Waste Management Cost	\$	0.00
Days on Well	17	Fluids/Products: Cementing Cost	\$	414.60
From Date	05/09/2008	Prod Lost/Damaged Cost	\$	0.00
To Date	05/25/2008	Engineer Services Cost	\$	42,500.00
Drilling Days	8	Equipment Cost	\$	0.00
Rotating / Drilling Hours	62.5/61.5	Transport/Packaging	\$	0.00
Average ROP	m/hr 27.5	Other Cost	\$	0.00
Maximum Density	SG 1.13	Total Well Cost	\$	154,116.43
Total Measured Depth	m 1,766	Planned Cost	\$	0.00
True Vertical Depth	m 1,618	Fluid Cost Per Fluid Volume	\$/bbl	12.79
Distance Drilled	m 1,689	Fluid Cost Per Length Drilled	\$/m	65.84
Maximum Deviation	deg 34.90	Fluid Cost/Vol of Hole Drilled	\$/bbl	83.77
Max. Horz. Displacement	m 0	Total Additions/Hole Drilled	bbl/bbl	6.548
Bottom Hole Temp		Total Additions/Length Drilled	bbl/m	5.147

Casing Design

Description	Set Date & Time	Top MD m	Top TVD m	End MD m	End TVD m	CSG OD in	CSG ID in	Max. Hole Size in	Hole MD m	Hole TVD m
30 X52 457.0	05/11/2008 11:00	77	77	133	133	30.000	27.000	36.000	133	133
13.375 N-80 68.0	05/15/2008 11:00	0	0	747	704	13.375	12.415	17.500	747	704

Fluid Program

Int #	Fluid Type	Interval Days	BHT Deg C	Max. Dens SG	Whole fluid + Mix products	Other material charges	Other charges	Total Interval Cost \$		
								Plan	Actual	Variance
1	Spud Mud	3		1.06		386.96	7,500.00		7,886.96	
2	Spud Mud	4		1.06	13,197.52	0.00	10,000.00		23,197.52	
	KCl/Polymer									
	Seawater									
3	KCl/Polymer	10		1.13	98,004.31	27.64	25,000.00		123,031.95	
	Potassium Chloride brine									
	Seawater									

Well Name	Wardie-1
Operator	3D Oil ltd
Contractor	Seadrill
Rig No	West Triton
Unit System	Apache

Well Summary Report

Total Well Cost \$				111,201.83	414.60	42,500.00		154,116.43	154,116.43
--------------------	--	--	--	------------	--------	-----------	--	------------	------------

Total Cost Breakdown

	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	17.00	21,250.00
Drilling Fluids Engineer 2	day(s)	17.00	21,250.00
		SubTotal	\$ 42,500.00
Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	30.00	414.60
		SubTotal	\$ 414.60
Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	7.00	489.30
BARABLOK	50 lb bag	60.00	1,823.40
Baracide	25 kg can	2.00	174.74
BARA-DEFOAM W300	5 gal can	1.00	55.92
BARAZAN D PLUS	25 kg bag	85.00	12,940.40
barite	1000 kg bulk	8.700	4,131.46
bentonite	1000 kg bulk	26.000	12,866.88
caustic soda	25 kg pail	14.00	618.66
Circal 60/16	25 kg sack	60.00	607.80
Circal Y	25 kg sack	89.00	1,139.20
citric acid	25 kg bag	3.00	138.72
CLAYSEAL PLUS	216 kg drum	35.00	33,482.40
DEXTRID LTE	25 kg sack	118.00	4,786.08
EZ-MUD	25 kg pail	14.00	1,201.62
EZ-MUD DP	25 kg bag	26.00	2,231.58
KCL Tech Grade (bulk)	1000 kg bulk	16.000	12,016.00
lime	25 kg bag	10.00	65.50
Omyacarb 5	25 kg bulk	57.000	535.23
PAC-L	25 kg bag	71.00	5,812.77
potassium chloride	1000 kg bag	26.00	15,626.00
potassium hydroxide	25 kg bag	4.00	179.92
soda ash	25 kg bag	21.00	278.25
		SubTotal	\$ 111,201.83
		Total Well Cost:	\$ 154,116.43

Net Well Cost Breakdown

Cost Breakdown I \$	Interval 01	Interval 02	Interval 03	Total
Fluid/Product: Drilling		13,197.52	98,004.31	111,201.83
Fluid/Product: Comp/Filtration				
Solids Control/Waste Management Cost				
Fluids/Products: Cementing Cost	386.96		27.64	414.60
Engineering Services	7,500.00	10,000.00	25,000.00	42,500.00
Fluid/Product: Lost Damage				
Other Cost				
Equipment Cost				
Transport/Packaging Cost				
Total Cost	7,886.96	23,197.52	123,031.95	154,116.43

Cost Breakdown II \$	Interval 01	Interval 02	Interval 03	Total
Total Products Cost	386.96	13,197.52	98,031.95	111,616.43
Total Fluids Cost				
Total Charges Cost	7,500.00	10,000.00	25,000.00	42,500.00
Allocated To / From Other Interval				
Total Cost	7,886.96	23,197.52	123,031.95	154,116.43
Planned Cost				
Variance				

Volume Breakdown bbl	Interval 01	Interval 02	Interval 03	Total
Total Base Fluids Addition				
Total Chemical Addition		66.6	253.1	319.7
Total Barite Addition			13.0	13.0
Total Water Addition	1,735.5	1,219.8	3,108.6	6,063.9
Total Fluid Built	1,735.5	1,286.3	3,374.8	6,396.6
Total Fluid Received	2,040.0			2,040.0
Total Influx Addition				
Not Used In Interval	-1,016.0			
Total Fluid Volume	2,759.5	4,275.8	4,195.6	8,436.6

Australia

VIC P57
Victoria

Baroid Fluid Services

Interval Summary

Interval #	1	Max Bit Size: 26.000 in	Hole Size Avg/Max	36.000 / 36.000 in
Interval Start Date	05/09/2008	Planned Cost	\$	0.00
Interval End Date	05/11/2008	Total Interval Cost	\$	7,886.96
Interval TD Date	05/11/2008	Program Variance	\$	7,886.96
Drilling Days	2.00	Other material charges	\$	386.96
Rotating/Hours	5.00 / 5.00	Total Fluids Cost		
Interval Top MD/TVD	m 77.0 / 77.0	Total Charges Cost	\$	7,500.00
Interval End MD/TVD	m 136.0 / 136.0	Total Cementing Cost	\$	386.96
Footage	m 59.0	Fluid Cost Per Vol Unit	\$/bbl	0.00
Average ROP	m/hr 11.8	Fluid Cost/Hole Drilled	\$/m	0.00
Max Hole Angle	degrees 0.00	Fluid Cost/Vol Drilled	\$/bbl	0.00
Casing Size	in 30.000	Fluid Built	bbl	1,735.5
Casing Shoe MD	m 133.0	Total Additions/Vol Drilled	bbl/bbl	11.32
Casing Length	m 56.0	Total Additions/Hole Drilled	bbl/m	46.77
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	2.68
Max Fluid Density	SG 1.060	Fluid Loss/Hole Drilled	bbl/m	11.05

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Weighting Material				
calcium chloride flake 77%	No Fluid	25 kg bag	28.000	386.96
			Total	\$ 386.96

Interval Summary

Interval #	2	Max Bit Size: 17.500 in	Hole Size Avg/Max	17.472 / 17.500 in
------------	---	-------------------------	-------------------	--------------------

Interval Start Date	05/12/2008	Planned Cost	\$	0.00
Interval End Date	05/15/2008	Total Interval Cost	\$	23,197.52
Interval TD Date	05/13/2008	Program Variance	\$	23,197.52
Drilling Days	2.00	Other material charges	\$	0.00
Rotating/Hours	15.50 / 15.00	Total Fluids Cost	\$	13,197.52
Interval Top MD/TVD	m 136.0 / 136.0	Total Charges Cost	\$	10,000.00
Interval End MD/TVD	m 751.0 / 706.8	Total Cementing Cost	\$	0.00
Footage	m 615.0	Fluid Cost Per Vol Unit	\$/bbl	3.09
Average ROP	m/hr 41.0	Fluid Cost/Hole Drilled	\$/m	21.46
Max Hole Angle	degrees 34.90	Fluid Cost/Vol Drilled	\$/bbl	22.06
Casing Size	in 0.000	Fluid Built	bbl	1,542.3
Casing Shoe MD	m 136.0	Total Additions/Vol Drilled	bbl/bbl	7.15
Casing Length	m 136.0	Total Additions/Hole Drilled	bbl/m	6.95
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	5.65
Max Fluid Density	SG 1.060	Fluid Loss/Hole Drilled	bbl/m	5.50

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Viscosifier/Suspension Agent				
bentonite	Spud Mud	1000 kg bulk	26.000	12,866.88
			Total	\$ 12,866.88
Alkalinity Control				
caustic soda	Spud Mud	25 kg pail	6.000	265.14
lime	Spud Mud	25 kg bag	10.000	65.50
			Total	\$ 330.64

Interval Summary

Interval #	3	Max Bit Size: 12.250 in	Hole Size Avg/Max	12.250 / 12.250 in
Interval Start Date	05/16/2008	Planned Cost	\$	0.00
Interval End Date	05/25/2008	Total Interval Cost	\$	123,031.95
Interval TD Date	05/19/2008	Program Variance	\$	123,031.95
Drilling Days	4.00	Other material charges	\$	27.64
Rotating/Hours	42.00 / 41.50	Total Fluids Cost	\$	98,004.31
Interval Top MD/TVD	m 751.0 / 706.8	Total Charges Cost	\$	25,000.00
Interval End MD/TVD	m 1,766.0 / 1,618.2	Total Cementing Cost	\$	27.64
Footage	m 1,015.0	Fluid Cost Per Vol Unit	\$/bbl	23.36
Average ROP	m/hr 24.5	Fluid Cost/Hole Drilled	\$/m	96.56
Max Hole Angle	degrees 32.34	Fluid Cost/Vol Drilled	\$/bbl	201.89
Casing Size	in 0.000	Fluid Built	bbl	3,374.8
Casing Shoe MD	m 136.0	Total Additions/Vol Drilled	bbl/bbl	8.64
Casing Length	m 136.0	Total Additions/Hole Drilled	bbl/m	4.13
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	3.56
Max Fluid Density	SG 1.130	Fluid Loss/Hole Drilled	bbl/m	1.70

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Bactericides				
ALDACIDE G	KCl/Polymer	5 gal can	7.000	489.30
Baracide	KCl/Polymer	25 kg can	2.000	174.74
			Total	\$ 664.04
Defoamer				
BARA-DEFOAM W300	KCl/Polymer	5 gal can	1.000	55.92
			Total	\$ 55.92
Filtration Control				
BARABLOK	KCl/Polymer	50 lb bag	60.000	1,823.40
DEXTRID LTE	KCl/Polymer	25 kg sack	118.000	4,786.08
PAC-L	KCl/Polymer	25 kg bag	71.000	5,812.77
			Total	\$ 12,422.25
Weighting Material				
barite	KCl/Polymer	1000 kg bulk	8.700	4,131.46
calcium chloride flake 77%	No Fluid	25 kg bag	2.000	27.64
			Total	\$ 4,159.10
Viscosifier/Suspension Agent				
BARAZAN D PLUS	KCl/Polymer	25 kg bag	85.000	12,940.40
			Total	\$ 12,940.40
Alkalinity Control				
caustic soda	KCl/Polymer	25 kg pail	8.000	353.52
citric acid	KCl/Polymer	25 kg bag	3.000	138.72
potassium hydroxide	KCl/Polymer	25 kg bag	4.000	179.92
soda ash	KCl/Polymer	25 kg bag	21.000	278.25
			Total	\$ 950.41
Shale Control				
EZ-MUD	KCl/Polymer	25 kg pail	14.000	1,201.62
EZ-MUD DP	KCl/Polymer	25 kg bag	26.000	2,231.58

Interval Summary

potassium chloride	KCl/Polymer	1000 kg bag	20.000	12,020.00
potassium chloride	Potassium Chloride brine	1000 kg bag	6.000	3,606.00
KCL Tech Grade (bulk)	KCl/Polymer	1000 kg bulk	11.000	8,261.00
KCL Tech Grade (bulk)	Potassium Chloride brine	1000 kg bulk	5.000	3,755.00
CLAYSEAL PLUS	KCl/Polymer	216 kg drum	35.000	33,482.40
			Total	\$ 64,557.60
Lost Circulation/Bridging Agent				
Circal Y	KCl/Polymer	25 kg sack	89.000	1,139.20
Circal 60/16	KCl/Polymer	25 kg sack	60.000	607.80
Omyacarb 5	KCl/Polymer	25 kg bulk	57.000	535.23
			Total	\$ 2,282.23

Well Name	Wardie-1
Operator	3D Oil Ltd
Contractor	Seadrill
Rig No	West Triton
Unit System	Apache

Interval Cost Breakdown

Interval # 01	From Date	05/09/2008	Top of Interval	77.0 m
Max. Hole Size / Bit Size 36.000 / 26.000 in	To Date	05/11/2008	Bottom of Interval	136.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	3.00	3750.00
Drilling Fluids Engineer 2	day(s)	3.00	3750.00
		SubTotal	\$ 7,500.00

Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	28.00	386.96
		SubTotal	\$ 386.96
		Interval Total Cost	\$ 7,886.96

Charged To/From Other Interval	\$	
Net Description Total Cost	\$	7,886.96
Programmed Cost	\$	0.00
Program Variance	\$	7,886.96

Well Name	Wardie-1
Operator	3D Oil Ltd
Contractor	Seadrill
Rig No	West Triton
Unit System	Apache

Interval Cost Breakdown

Interval # 02	From Date	05/12/2008	Top of Interval	136.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Date	05/15/2008	Bottom of Interval	751.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	4.00	5000.00
Drilling Fluids Engineer 2	day(s)	4.00	5000.00
		SubTotal	\$ 10,000.00
Fluids/Products: Drilling Cost			
bentonite	1000 kg bulk	26.000	12866.88
caustic soda	25 kg pail	6.00	265.14
lime	25 kg bag	10.00	65.50
		SubTotal	\$ 13,197.52
		Interval Total Cost	\$ 23,197.52
Charged To/From Other Interval			\$
Net Description Total Cost			\$ 23,197.52
Programmed Cost			\$ 0.00
Program Variance			\$ 23,197.52

Well Name	Wardie-1
Operator	3D Oil Ltd
Contractor	Seadrill
Rig No	West Triton
Unit System	Apache

Interval Cost Breakdown

Interval # 03	From Date	05/16/2008	Top of Interval	751.0 m
Max. Hole Size / Bit Size 12.250 / 12.250 in	To Date	05/25/2008	Bottom of Interval	1,766.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	10.00	12500.00
Drilling Fluids Engineer 2	day(s)	10.00	12500.00
SubTotal			\$ 25,000.00

Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	2.00	27.64
SubTotal			\$ 27.64

Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	7.00	489.30
BARABLOK	50 lb bag	60.00	1823.40
Baracide	25 kg can	2.00	174.74
BARA-DEFOAM W300	5 gal can	1.00	55.92
BARAZAN D PLUS	25 kg bag	85.00	12940.40
barite	1000 kg bulk	8.700	4131.46
caustic soda	25 kg pail	8.00	353.52
Circal 60/16	25 kg sack	60.00	607.80
Circal Y	25 kg sack	89.00	1139.20
citric acid	25 kg bag	3.00	138.72
CLAYSEAL PLUS	216 kg drum	35.00	33482.40
DEXTRID LTE	25 kg sack	118.00	4786.08
EZ-MUD	25 kg pail	14.00	1201.62
EZ-MUD DP	25 kg bag	26.00	2231.58
KCL Tech Grade (bulk)	1000 kg bulk	16.000	12016.00
Omyacarb 5	25 kg bulk	57.000	535.23
PAC-L	25 kg bag	71.00	5812.77
potassium chloride	1000 kg bag	26.00	15626.00
potassium hydroxide	25 kg bag	4.00	179.92
soda ash	25 kg bag	21.00	278.25

SubTotal	\$ 98,004.31
Interval Total Cost	\$ 123,031.95

Charged To/From Other Interval	\$	
Net Description Total Cost	\$	123,031.95
Programmed Cost	\$	0.00
Program Variance	\$	123,031.95

Baroid Fluid Services

Well Name
Operator
Contractor
Rig No
Unit System

Wardie-1
3D Oil Ltd
Seadrill
West Triton
Apache

Interval Chemical Concentration

Interval # 01	From Report Date	05/09/2008	Top of Interval	77.0 m
Max. Hole Size / Bit Size 36.000 / 26.000 in	To Report Date	05/11/2008	Bottom of Interval	136.0 m

Australia

VIC P57
Victoria

Baroid Fluid Services

Interval Chemical Concentration

Interval # 02	From Report Date 05/12/2008	Top of Interval 136.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Report Date 05/15/2008	Bottom of Interval 751.0 m

Fluid Name: Spud Mud			
Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	17.16	12.62	18.75
caustic soda	0.11	0.11	0.11
lime	0.18	0.18	0.18

Fluid Name: Seawater			
Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	11.36	2.84	14.46
caustic soda	0.08	0.08	0.08
lime	0.14	0.13	0.14

Interval Chemical Concentration

Interval # 03	From Report Date 05/16/2008	Top of Interval 751.0 m
Max. Hole Size / Bit Size 12.250 / 12.250 in	To Report Date 05/25/2008	Bottom of Interval 1,766.0 m

Fluid Name: Spud Mud			
Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	18.51	18.51	18.51
caustic soda	0.11	0.11	0.11
lime	0.18	0.18	0.18

Fluid Name: KCl/Polymer			
Material	Average ppb	Minimum ppb	Maximum ppb
ALDACIDE G	0.12	0.03	0.17
BARABLOK	1.29	1.22	1.32
Baracide	0.04	0.04	0.07
BARA-DEFOAM W300	0.02	0.02	0.02
BARAZAN D PLUS	1.67	1.50	1.78
barite	8.22	7.82	8.41
caustic soda	0.17	0.15	0.26
Circal 60/16	1.42	1.35	1.45
Circal Y	2.10	2.00	2.15
citric acid	0.06	0.06	0.06
CLAYSEAL PLUS	6.17	5.32	6.76
DEXTRID LTE	2.34	1.96	2.55
EZ-MUD	0.28	0.16	0.31
EZ-MUD DP	0.49	0.26	0.53
KCL Tech Grade (bulk)	8.84	8.38	9.03
Omyacarb 5	1.35	1.26	1.39
PAC-L	1.43	1.35	1.47
potassium chloride	20.02	17.95	26.07
potassium hydroxide	0.08	0.08	0.08
soda ash	0.41	0.12	0.55

Fluid Name: Potassium Chloride brine			
Material	Average ppb	Minimum ppb	Maximum ppb
KCL Tech Grade (bulk)	21.61	21.61	21.61
potassium chloride	15.96	9.47	32.18

Fluid Name: Seawater			
----------------------	--	--	--

Well Name
Operator
Contractor
Rig No
Unit System

Wardie-1
3D Oil ltd
Seadrill
West Triton
Apache

Interval Chemical Concentration

Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	19.37	19.37	19.37
caustic soda	0.11	0.11	0.11
lime	0.19	0.19	0.19

Fluid Volume Record Report

			Additions								Losses						Volumes			
Report No	Date	Initial Volume	Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl

Interval # 01

Fluid Name: Spud Mud

001	05/09/08		1,248.0							1,248.0									1,248.0	1,248.0
002	05/10/08	1,248.0				650.3				650.3				250.0		250.0	217.3		1,431.0	1,648.3
003	05/11/08	1,648.3				721.2				721.2			652.0			652.0	244.5		1,575.0	1,819.5
Cumulative Volume			1,248.0			1,371.5				2,619.5			652.0	250.0		902.0				

Fluid Name: KCl/Polymer

001	05/09/08		792.0							792.0									792.0	792.0
003	05/11/08	792.0											123.0			123.0			669.0	669.0
Cumulative Volume			792.0							792.0			123.0			123.0				

Fluid Name: Seawater

002	05/10/08			250.0		364.0				614.0			250.0			250.0		364.0		364.0
003	05/11/08	364.0											17.0			17.0		347.0		347.0
Cumulative Volume				250.0		364.0				614.0			267.0			267.0				

Fluid Volume Record Report

			Additions								Losses						Volumes			
Report No	Date	Initial Volume	Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl

Interval # 02

Fluid Name: Spud Mud

004	05/12/08	1,819.5				419.0		32.7		451.7				101.0		101.0	143.1		2,027.1	2,170.2
005	05/13/08	2,170.2				786.0		33.8		819.8				2,760.1		2,760.1			229.9	229.9
007	05/15/08	229.9											74.0			74.0			155.9	155.9
Cumulative Volume						1,205.0		66.5		1,271.5			74.0	2,861.1		2,935.1				

Fluid Name: KCl/Polymer

005	05/13/08	669.0												539.0		539.0			130.0	130.0
007	05/15/08	130.0									130.0					130.0				
Cumulative Volume											130.0			539.0		669.0				

Fluid Name: Seawater

004	05/12/08	347.0		101.0						101.0			101.0			101.0		347.0		347.0
005	05/13/08	347.0		3,299.1						3,299.1			2,483.1			2,483.1	718.5	444.6		1,163.1
006	05/14/08	1,163.1				14.8				14.8							733.3	444.5		1,177.8
007	05/15/08	1,177.8									104.7		306.2			410.9	360.9	406.0		766.9
Cumulative Volume				3,400.1		14.8				3,414.9	104.7		2,890.3			2,995.0				

Fluid Name: Water

005	05/13/08					256.0				256.0									256.0	256.0
007	05/15/08	256.0									256.0					256.0				
Cumulative Volume						256.0				256.0	256.0					256.0				

Fluid Volume Record Report

			Additions								Losses						Volumes			
Report No	Date	Initial Volume	Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl

Interval # 03

Fluid Name: Spud Mud

008	05/16/08	155.9									155.9					155.9				
Cumulative Volume											155.9					155.9				

Fluid Name: KCl/Polymer

008	05/16/08					1,577.6		113.4		1,691.0									1,691.0	1,691.0
009	05/17/08	1,691.0		127.0		800.0		66.6		993.6	386.0		22.9			408.9	628.7	522.0	1,125.0	2,275.7
010	05/18/08	2,275.7		134.0			13.0	31.0		178.0	604.4					604.4	846.4	479.0	524.0	1,849.4
011	05/19/08	1,849.4						1.7		1.7	112.0		40.0			152.0	839.4	594.0	265.7	1,699.1
012	05/20/08	1,699.1									55.5		18.0			73.5	831.5	510.0	284.0	1,625.5
013	05/21/08	1,625.5						0.4		0.4	352.8					352.8	841.1	400.0	32.0	1,273.1
016	05/24/08	1,273.1													426.7	426.7	846.4			846.4
Cumulative Volume				261.0		2,377.6	13.0	213.1		2,864.7	1,510.7		80.9		426.7	2,018.3				

Fluid Name: Potassium Chloride brine

009	05/17/08					392.0		19.0		411.0				127.0		127.0			284.0	284.0
010	05/18/08	284.0												134.0		134.0			150.0	150.0
011	05/19/08	150.0				339.0		21.0		360.0									510.0	510.0
016	05/24/08	510.0													510.0	510.0				
Cumulative Volume						731.0		40.0		771.0				261.0	510.0	771.0				

Fluid Name: Seawater

008	05/16/08	766.9									136.3					136.3	321.7	309.0		630.7
009	05/17/08	630.7											630.7			630.7				
Cumulative Volume											136.3		630.7			767.0				

Fluid Property Recap : Water-Based Fluid

Date	Depth	FL Temp	Density	Funn Visc	Rheology 49 Deg C				Filtration					Filtrate Analysis							MBT	Sand	Retort Analysis				Rheometer Dial Readings																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
					PV	lbs/100 ft2			API	HTHP	Cake API	Cake HTHP	Temp	pH	Pm	Pf	Mf	Cl	Total Hardness	ppb Eq.			% by vol	% by vol				600	300	200	100	6	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
						YP	10S	10M																30M	Corr Solid	LGS	NAP Base							Water																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		m	Deg C	SG	sec/qt	cP					ml/30 min	ml/30 min	32nd in	Deg C		ml	ml	ml	mg/l	mg/l																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Fluid Property Recap : Water-Based Fluid

Date	Depth	FL Temp	Density	Funn Visc	Rheology 49 Deg C				Filtration					Filtrate Analysis						MBT	Sand	Retort Analysis				Rheometer Dial Readings						
					PV	lbs/100 ft2				API	HTHP	Cake API	Cake HTHP	Temp	pH	Pm	Pf	Mf	Cl			Total Hardness	ppb Eq.	% by vol	% by vol				600	300	200	100
	cP	YP	10S	10M		30M	ml/30 min	ml/30 min	32nd in											Deg C	Corr Solid				LGS	NAP Base	Water					
												m	Deg C															SG				
05/20/2008	1,766		1.120	57	13	27	13	20	23	5.2	11.6	1	2	121	9.00	1.20	0.04	1.10	38,000	480	10.0	0.50	4.53	4.423		92.4	53.0	40.0	35.0	28.0	14.0	12.0
05/20/2008	1,766		1.120	58	13	27	14	19	22	5.1	11.7	1	2	121	9.00	1.00	0.07	1.30	39,000	480	10.0	0.50	4.45	4.335		92.4	53.0	40.0	34.0	26.0	14.0	12.0
05/21/2008	1,766		1.120	55	12	28	13	20	23	5.3	11.6	1	2	121	9.20	1.00	0.04	1.50	38,000	480	10.0	0.50	4.53	4.423		92.4	52.0	40.0	35.0	28.0	14.0	12.0
05/21/2008	1,766		1.120	55	13	27	13	20	22	5.3	11.8	1	2	121	9.50	1.20	0.08	1.70	38,000	480	10.0	0.50	4.53	4.423		92.4	53.0	40.0	35.0	28.0	14.0	12.0
05/22/2008	1,766		1.120	55	13	27	13	20	22	5.3	11.8	1	2	121	9.00	1.00	0.03	1.70	38,000	480	10.0	0.50	4.53	4.423		92.4	53.0	40.0	35.0	28.0	14.0	12.0
05/23/2008	1,766		1.120	55	14	26	13	20	22	5.3	11.8	1	2	121	9.00	1.00	0.03	1.70	38,000	480	10.0	0.50	4.53	4.423		92.4	54.0	40.0	35.0	28.0	14.0	12.0

Fluid Program Exception Report

Report No	Date	Time	Depth m	Property Name	Unit System	Actual Value	Exception	Program Min	Program Max
008	05/16/2008	22:00	751	API Filtrate	ml/30 min	7.0	High	1.0	6.0
008	05/16/2008	16:00	751	API Filtrate	ml/30 min	7.2	High	1.0	6.0
008	05/16/2008	22:00	751	HTHP Filtrate	ml/30 min	14.0	High	1.0	12.0
008	05/16/2008	16:00	751	HTHP Filtrate	ml/30 min	14.6	High	1.0	12.0
009	05/17/2008	4:30	770	API Filtrate	ml/30 min	7.0	High	1.0	6.0
009	05/17/2008	4:30	770	HTHP Filtrate	ml/30 min	14.0	High	1.0	12.0
009	05/17/2008	9:52	968	HTHP Filtrate	ml/30 min	12.2	High	1.0	12.0
009	05/17/2008	9:52	968	pH	-	10.00	High	8.80	9.50
010	05/18/2008	9:50	1,664	pH	-	8.50	Low	8.80	9.50
013	05/21/2008	12:00	1,766	KCL %	% by vol	9.0	High	6.0	8.0

Operations Log Recap

Interval	01	From Date	001	Top of Interval	77.0 m
Max. Hole Size / Bit Size	36.000 / 26.000 in	To Date	003	Bottom of Interval	136.0 m
For Report	# 001	On	05/09/2008	Operation at Depth	.0 m
Rig Activity	Skidded rig from West Seahorse-3 well at 16:30 hours.				
Activity	Rigging up to spud.				
Fluid Treatment	Rig up and rig down				
Fluid Treatment	Received 792 bbls of KCl/Polymer/Clayseal plus mud from West Seahorse 3 well. Received 1248 bbls of PHB (spud mud) from West Seahorse 3 well.				
For Report	# 002	On	05/10/2008	Operation at Depth	132.0 m
Rig Activity	Continue to rig up and place Abandonment Cap on West Seahorse 3. Make up BHA and drill string and RIH. Tag seabed at 76.8m and spud Wardie 1 well at 18:30 hours drilling to 78m. ROV check string clearance and drill ahead to 132m at midnight with 75bbls floculated PHG sweeps every single and backream each stand.				
Activity	Drilling				
Fluid Treatment	Returned to Geelong marine terminal and deducted from inventory, 8 drums of XLR-RATE mud chemical.				
For Report	# 003	On	05/11/2008	Operation at Depth	136.0 m
Rig Activity	Continue to drill 36" hole from 132 to 136m. Pump 200bbl of Flocculated PHB and then displace hole with 350bbls of PHB and POOH. Lay out 2 x 8 1/4 DCs and 26" bit then run conductor. Attempts to stab into hole frustrated by poor visibility on the sea floor. Stab in and run to 132m, install anti-rotation wire and landing ring. Install ICON 30" gripper conductor clamp and attempt to torque up. Trouble shooting at midnight.				
Activity	Run casing and cement				
Fluid Treatment	Mixed pit of spud mud.				

Operations Log Recap

Interval	02	From Date	004	Top of Interval	136.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	007	Bottom of Interval	751.0 m
For Report	# 004	On	05/12/2008	Operation at Depth	161.0 m
Rig Activity	Level CTU and install ICON clamp. Cut 30" above icon clamp and lay out 30" above cut. Rig down 30" handling equipment, make up cement stinger and RIH. Cement as per programme with ROV observing returns to sea floor. Rig down cement lines and pick up and make up well head. Make up 17 1/2" BHA and RIH. Tag TOC at 131m and drill out to 132.8m then drill new formation to 161m at midnight with seawater and sweeps.				
Activity	Drilling				
Fluid Treatment	Received Mud Chemicals. Current sweep regime 2 x 30 bbls flocculated PHG while drilling and 30 bbls unflocculated PHG on connections.				
For Report	# 005	On	05/13/2008	Operation at Depth	751.0 m
Rig Activity	Continue to drill 17 1/2" hole from 161m to 751m with Seawater and Sweeps. Sweep regime 2 x 30bbls flocculated PHG while drilling and 30bbl PHG spotted at the BHA on connections. At TD sweep the hole with 2 x 100bbl Hi Visc pills and circulate 2 x bottoms up. Then displace hole with 950bbls of Viscosified KCl/polymer mud and POOH. Working BHA and breaking out bit at midnight.				
Activity	Run casing and cement				
Fluid Treatment	Returned to Geelong marine terminal and deducted from inventory, 8 drums of XLR-RATE mud chemical.				
For Report	# 006	On	05/14/2008	Operation at Depth	751.0 m
Rig Activity	Make up landing ring and RIH with Jet Sub. POOH with Jet Sub and run 13 3/8 casing. RIH to 113m and hang up. Skid rig to clear obstruction and RIH to 166m. Hang up and unable to clear obstruction. POOH and remove centralizers. RIH. Running Casing at midnight.				
Activity	Run casing and cement				
Fluid Treatment	Mixing mud for next section (12 1/4" hole). Chemicals to be charged off on first report of the new section.				
For Report	# 007	On	05/15/2008	Operation at Depth	751.0 m
Rig Activity	Rig down elevators, pick up wellhead. Install cement plug, pressure test surface lines to 4000psi. Pumped 90 bbl seawater, 30 bbl, Tuned Spacer, and mix & pump cement as per programme. Set 13 3/8" casing at MD 747.2m TVD 703.8m. Release running tool and install choke line. Rig up handling equipment and nipple up BOPs.				
Activity	Nipple up B.O.P.				
Fluid Treatment	KCl / Polymer mud mixed: 1683 bbls Total KCl / Polymer mud mixed: 1683 bbls. Continue mixing KCl polymer mud for displacement.				

Operations Log Recap

Interval	03	From Date	008	Top of Interval	751.0 m
Max. Hole Size / Bit Size	12.250 / 12.250 in	To Date	017	Bottom of Interval	1,766.0 m
For Report	# 008	On	05/16/2008	Operation at Depth	751.0 m
Rig Activity	Pressure test BOP's, Make up bit and BHA, RIH and test MWD. Continue to RIH and tag float collar 732.5m. Fault with TDS, service same. Drill top of cement at from 732.5m to 736m with seawater.				
Activity	Drilling out cement				
Fluid Treatment	KCI / Polymer mud mixed: 8 bbls Total KCI / Polymer mud mixed: 1691 bbls. Mixed 50 bbls of Hi-Vis KCI/Polymer/ Clayseal plus mud with Barazan D+. Continue mixing KCI polymer mud for dilution and volume.				
For Report	# 009	On	05/17/2008	Operation at Depth	1,446.0 m
Rig Activity	Cont. drill out shoe track and rat hole @ 747m, wash rat hole to 751m. Displaced seawater with 8.9 ppg with 8.9 ppg KCI/Polymer/Clayseal mud. Circ. & cond. mud to 8.9 in/out. Conducted FIT as per programme to EMW of 13.13 ppg. Continued drilling 12 1/4" hole fro 751 m to 1397m. Driller chair system crashed, troubleshoot. Cont. drilling from 1397m to 1446m as per Directional drillers instructions.				
Activity	Drilling				
Fluid Treatment	KCI / Polymer mud mixed: 993.6 bbls Total KCI / Polymer mud mixed: 2684.6 bbls. Continue mixing KCI polymer mud for dilution and volume. Mixed BARAZAN D+ to the active to increase and maintain the 6 RPM at 13. Cont. to bring up EZ MUD concentration via premix. Began running centrifuge at 950m to maintain MW. Begin adding 5ppb Circal Y & 5 ppb Circal 60/16 into active at 1425m, 100m above top of LaTrobe formation as per programme.				
For Report	# 010	On	05/18/2008	Operation at Depth	1,766.0 m
Rig Activity	Cont. drilling from 1446 m to 1520m as per Directional drillers instructions. Control ROP drilling from 1520m to 1766m. Survey every connection. Circulate hole clean @ 1075gpm. Trip tank remote valve not functioned, change out valve. Flow check, static. POOH wet from 1766m to 1530m, working tight spot at 1540m to 1530m.				
Activity	Tripping				
Fluid Treatment	KCI / Polymer mud mixed: 178 bbls Total KCI / Polymer mud mixed: 2862.6 bbls. Cont. adding 5ppb Circal Y & 5 ppb Circal 60/16 into active at 1425m, 100m above top of LaTrobe formation as per programme. Added 4 ppb BARABLOK into active @ 1515m. Continue to add EZ Mud to the active to increase and maintain concentration above 1 ppb.				
For Report	# 011	On	05/19/2008	Operation at Depth	1,766.0 m
Rig Activity	Cont. POOH wet from 1530m, ream tight spot at 1178m to 919m. Hole not taking proper displacement. Pump out of hole from 919m to casing shoe at 744m. Circ. bottoms up. RIH from 744m to 1737m pumping last single. Wash down last stand to 1766m. Circ. hole clean and condition mud. Flow check static. POOH wet from 1766m to 1412m. Pump slug and POOH from 1412m to shoe @ 747m. Flow check static. Cont. POOH and lay out BHA.				
Activity	Tripping				
Fluid Treatment	KCI / Polymer mud mixed: 1.7 bbls Total KCI / Polymer mud mixed: 2864.3 bbls.				

Operations Log Recap

Interval	03		From Date	008	Top of Interval	751.0	m
Max. Hole Size / Bit Size	12.250 / 12.250	in	To Date	017	Bottom of Interval	1,766.0	m
			Made KCL brine for contingency purposes. Note: Some chemicals charged off today was due to an inventory reconciliation				
For Report	# 012	On	05/20/2008	Operation at Depth	1,766.0 m		
Rig Activity			Cont. Lay down BHA. Rig up Schlumberger, Sonic pex tool string and install radio active sources. RIH with tools to commence logging as per logging programme. POOH recover RA sources and lay down tools. RIH MDT tools string to 1680m, checking pressure points as per programme, monitoring well via trip tanks. POH wireline MDT tools and make up 5 1/2" mule shoe on DP. RIH to 416m.				
Activity			Tripping				
Fluid Treatment			KCl / Polymer mud mixed: 0 bbls Total KCl / Polymer mud mixed: 2864.3 bbls.				
For Report	# 013	On	05/21/2008	Operation at Depth	1,766.0 m		
Rig Activity			RIH with mule show on 5 1/2" DP from 414m to 1761m. Circ. bottoms up. Test surface lines to 1000psi. Cement plug with Halliburton as per cementing programme. Set Plug #1A from 1761m - 1616m. Pull out to 1613m. Circ. 1.5X bottoms up. Pump cement plug #1B as per cement programme from 1613m - 1406m. Circ. 1.5X bottoms up. POOH & lay down DP from 1406m to 842m. Tag cement plug #1B @ 1407m. POH from 903m to 805m. Mix & pump plug #2 as per programme. POH from 805m to 599m. Circ. 1.5X bottoms up @ 180spm, 300psi. POOH from 599m to 148m.				
Activity			P&A				
Fluid Treatment			Dump 170 bbls of cement contaminated mud on first plug Dump 170 bbls of cement contaminated mud on second plug				
For Report	# 014	On	05/22/2008	Operation at Depth	1,766.0 m		
Rig Activity			Cont. lay down DP. Flush BOP diverter line. Line up Halliburton unit to test cement plug #2 to 1000psi. Remove choke line, flow line, prepare for skid. Pick up 13 3/8" casing cutter. Make up casing cutter as per Weatherford. RIH to 126m cut casing as per programme. Retrieve wellhead, 20X13 3/8" wedge, 8 joints of 13 3/8" casing. Pick up well head b/out running tool. Lay down same. Prepare to RIH with mule shoe.				
Activity			Cut casing				
Fluid Treatment			.				
For Report	# 015	On	05/23/2008	Operation at Depth	1,766.0 m		
Rig Activity			Make up mule show and RIH with 5 1/2" DP to 207m. Spot 25 bbl Hi-Vis pill. Pull back to 157m. R/up cement line and test to 500psi. Mix and pump cement plug #3. POOH to 95m to circulate hole clean. POOH and lay down mule shoe. RIH with 30" casing cutter to 78m. Attempt cut. POH to change knives. RIH to 78m, attempt again, no return torque. Break out TDS without hydraulic power. POH to surface. Change knives and attempt again as per weatherford. POH lay down cutter assembly. Pickup casing spear. Prepare & moved work platform.				
Activity			Rig up and rig down				
Fluid Treatment			.				
For Report	# 016	On	05/24/2008	Operation at Depth	1,766.0 m		
Rig Activity			RIH with 30" CSG spear latch onto conductor, attempt to free csg, no success. Remove icon clamp from conductor, pull CTU inserts. Pull 30" csg to rig floor and lay down same. Prepare for rig move. Skid rig in 15ft. R/up BOP sling, pick up work platform from t/deck place on main deck. Prepare to skid out to lower deck to boat. Lock in pin not released, pin damaged, cut off lock pin assembly. Skid out rig. P/up & L/dn DC from derrick. P/up HWDP. RIH to open slots to lay down.				

Operations Log Recap

Interval	03		From Date	008	Top of Interval	751.0	m
Max. Hole Size / Bit Size	12.250 / 12.250	in	To Date	017	Bottom of Interval	1,766.0	m
Activity			Rig up and rig down				
Fluid Treatment			Backloaded 400 bbl KCL/Polymer mud and 500 bbl KCL brine for the next hole onto boat.				
For Report	# 017	On	05/25/2008	Operation at Depth	1,766.0 m		
Rig Activity			Cont. to lay down 5" DP. Rig up BOP slings and ext sling for lift up texas deck. Move DP and DC from cantilever to main before skid. Skid rig, secure BOP. Seafastened TDS & other loose items. Jack down rig to 2m draft. Conducted water integrity test. Cont. jacking down to complete draft, moved the rig 1km away from Wardie -1 drilling location.				
Activity			Move to location				
Fluid Treatment			.				

Deviation Actual

Survey Date	MD m	TVD m	Angle	Direction	Horiz Displ. m
05/13/2008	92	92	1.80	317.0	
05/13/2008	349	244	11.70	243.6	
05/14/2008	674	643	33.96	240.5	
05/14/2008	704	668	34.90	240.0	
05/14/2008	722	683	34.35	239.8	
05/14/2008	751	707	34.35	239.5	
05/18/2008	862	801	31.64	238.2	
05/18/2008	1,009	927	31.56	240.5	
05/18/2008	1,126	1,026	32.34	241.7	
05/21/2008	1,274	1,152	29.50	243.7	
05/21/2008	1,421	1,284	23.40	245.9	
05/21/2008	1,719	1,571	7.67	235.2	
05/21/2008	1,766	1,618	7.36	234.2	

Bit Record Report

Run No	Bit No	Bit Size in	Bit Manufacturer	Bit Type	Bit Style	IADC Code	Serial Number	Jet or TFA sq-in	Depth Out m	Run Length m	ROP m/hr	WOB lb	Bit RPM	Pump Press psi	Pump OutPut gpm	Fluid Type	Fluid Weight SG	Hole Angle	Bit Grading	Reason Pulled
1	1RR	26.000	RTC	Y11C	MT	111	34406	3x22 1x16	136.0	59.0	25.7	5,500.0	120	950.0	1,000	Spud Mud	1.030	2.03	1-1-WT-A-NB-I-RR-TD	TD - Total/Casing Depth
2	2	17.500	HUGHES	MXL-T1V	IN		606589	3x20	751.0	615.0	91.8	22,000.0	217	1,635.0	960	Seawater	1.060	34.9	1-1-NO-A-O-I-NO-TD	TD - Total/Casing Depth
3	3	12.250	REEDHYC	RSX616MA16	FC		218629	3x15 3x16	1,766.0	1,015.0	52.3	19,000.0	241	2,100.0	1,077	KCl/Polymer	1.120	7.36	1-1-NO-A-E-I-NO-TD	TD - Total/Casing Depth

DAILY MUD REPORTS

Date	05/09/2008	Depth	0.0 m
Spud Date	05/10/2008	Rig Activity	Rig up and rig down

HALLIBURTON | Fluid Systems

This report, the software, any data contained in this report and any interpretations based on this report are offered "AS-IS" and "WHERE-IS." THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS AND/OR FITNESS FOR A PARTICULAR PURPOSE AND OR NON-INFRINGEMENT. IN NO EVENT WILL HALLIBURTON OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, PROFITS OR USE OF HARDWARE OR SOFTWARE). Customer uses at their own risk.

Date	05/10/2008	Depth	132.0 m
Spud Date	05/10/2008	Rig Activity	Drilling

HALLIBURTON | **Fluid Systems**

Daily Drilling Fluid Report

Daily Drilling Fluid Report										Date		05/11/2008		Depth		136.0 m							
										Spud Date		05/10/2008		Rig Activity		Wait on cement							
Operator					Report For					Well Name													
3D Oil ltd					Shaughan Corless					Wardie-1													
Contractor					Report For					Rig Name			Unit System										
Seadrill					Micheal Barry					West Triton			Apache										
Country				State/Province/Region				Geographic Area/County				Field or Block											
Australia				Victoria				Bass Strait				VIC P57											
Bit Information				Drill String (in) / (m)				in Casing m		Circulation/Hydraulics Data													
Bit Size		in		OD		ID		Length		OD		Set		MD		Model		Nat-14-P-220		Nat-14-P-220		Nat-14-P-220	
Make/Type																Bore in		6.500		6.500		6.500	
Jets																Strokes in		14.000		14.000		14.000	
TFA		sq-in														Eff(%)		97		97		97	
Jets Velocity		m/sec														bbl/strk		0.139		0.139		0.139	
Jet Impact Force		lbf														SPM		0		0		0	
Bit HHSI		hhp/in2														gpm/bbl/min							
Press Drop @ Bit		psi														Total GPM		AV, Riser		Circ Press psi			
Bit Depth		m		Open Hole		36.000		59.2								Total Circ Time		AV min DP		Tot Pres Loss			
ECD @ Csg Shoe		SG														BU Time , min		AV max DC		Press Drop DP			
ECD @ Bit		SG														Total Strokes		BU Strokes		Press Drop An			
Properties				1		2		3		4		Targets		Program		Fluid Treatments							
Source				Pit #1		Pit #1										Fluid Type Spud Mud							
Time				4:35		13:45										Mixed pit of spud mud.							
Depth				m		136		136															
FL Temp				Deg C																			
Density @				Deg C		SG		1.060 @ 22		1.060 @ 22													
FV @				Deg C		sec/qt		98 @ 22		96 @ 22													
PV @				Deg C		cP		25 @ 22		24 @ 22													
YP				lbs/100 ft2		123		121															
GELS				lbs/100 ft2		50/56/65		48/55/63															
600/300						173.0/148.0		169.0/145.0															
200/100						139.0/118.0		137.0/116.0															
6/3						68.0/63.0		67.0/61.0															
API Filt				ml/30 min																			
HTHP @				Deg C		ml/30 min																	
Cake API/HTHP				32nd in																			
Corr Solid				% by Vol		3.8		3.8															
NAP/Water				% by Vol		-96.0		-96.0															
Sand				% by vol																			
MBT				ppb Eq.		35.0		35.0															
pH @				Deg C		9.50 @ 23		9.50 @ 23															
ALK Mud				Pm																			
ALK Filt				Pf/Mf																			
Chlorides				mg/l																			
Tot. Hardness				mg/l																			
LGS/HGS				% by Vol		3.6/0.2		3.6/0.2															
LGS/HGS				ppb		32.73/2.51		32.73/2.51															
ASG				SG		2.673		2.673															
Additional Properties																							

Daily Drilling Fluid Report

Date05/12/2008				Depth161.0 m			
Spud Date05/10/2008				Rig ActivityDrilling			
Operator3D Oil ltd				Report ForShaughan Corless			
ContractorSeadrill				Well NameWardie-1			
CountryAustralia				Rig NameWest Triton			
State/Province/RegionVictoria				Unit SystemApache			
Geographic Area/CountryBass Strait				Field or BlockVIC P57			
Bit Information				Drill String (in) / (m)			
Bit Size17.500 in				in Casing m			
Make/TypeHUGHES/MXL-T1V				Circulation/Hydraulics Data			
Jets3x20				Nat-14-P-220			
TFA0.920 sq-in				Nat-14-P-220			
Jets Velocity101.8 m/sec				Nat-14-P-220			
Jet Impact Forcelbf				Nat-14-P-220			
Bit HHShhp/in2				Nat-14-P-220			
Press Drop @ Bitpsi				Nat-14-P-220			
Bit Depth158.0 m				Nat-14-P-220			
ECD @ Csg ShoeSG				Nat-14-P-220			
ECD @ BitSG				Nat-14-P-220			
Properties				Targets			
Source				Program			
Time				Fluid Treatments			
Depthm				Fluid Type			
FL TempDeg C				Spud Mud			
Density @ Deg C				Received Mud Chemicals.			
FV @ Deg C				Charged off Bulk Bentonite used and remainder of PHG transferred over from West Seahorse 3.			
PV @ Deg C				Current sweep regime 2 x 30 bbls flocculated PHG while drilling and 30 bbls unflocculated PHG on connections.			
YP				Rig Activity			
GELS				Level CTU and install ICON clamp. Cut 30" above icon clamp and lay out 30" above cut. Rig down 30" handling equipment, make up cement stinger and RIH. Cement as per programme with ROV observing returns to sea floor. Rig down cement lines and pick up and make up well head.			
600/300				Make up 17 1/2" BHA and RIH.			
200/100				Tag TOC at 131m and drill out to 132.8m then drill new formation to 161m at midnight with seawater and sweeps.			
6/3				Additional Properties			
API Filt				Product Name			
HTHP @ Deg C				Units			
Cake API/HTHP				Start			
Corr Solid				Rec			
NAP/Water				Used			
Sand				End			
MBT				Cost			
pH @ Deg C				Solids Control Equipment			
ALK Mud				Time			
ALK Filt				Shaker			
Chlorides				Screens			
Tot. Hardness				Hrs			
LGS/HGS				Drilling			
LGS/HGS				Circulating			
ASG				Trips			
Additional Properties				Rig			
				Surveys			
				Fishing			
				Run Casing			
				Coring			
				Reaming			
				Testing			
				Logging			
				Dir Work			
				Repair			
				Other			
				Total			
				Rotating			
				ROP			
				Dil Rate			
				Fluid Volume Breakdown			
				Spud Mud			
				Active			
				bbl			
				Additions			
				bbl			
				Losses			
				bbl			
				Annulus			
				Pipe Cap			
				Active Pits			
				Total Hole			
				Total Circ			
				Reserve			
				Prev Vol			
				Net Change			
				Total Vol			
				Fluid Types			
				Vol bbl			
				Deviation Information			
				Survey MD			
				Survey TVD			
				Angle			
				Direction			
				Horiz Displ.			
Daily Products Cost				KCl/Polymers			
Cumulative Products Cost				Seawater			
Baroid Representatives				Telephone			
Office				61-03-9581-7555			
Warehouse				61-3-56-881-445			

Date	05/13/2008	Depth	751.0 m
Spud Date	05/10/2008	Rig Activity	Run casing and cement

HALLIBURTON | **Fluid Systems**

This report, the software, any data contained in this report and any interpretations based on this report are offered "AS-IS" and "WHERE-IS." THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE AND/OR NON-INFRINGEMENT. IN NO EVENT WILL HALLIBURTON OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER ANY DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, PROFITS OR USE OF HARDWARE OR SOFTWARE). *Copyright © 2015 Halliburton Energy Services, Inc.*

Date	05/14/2008	Depth	751.0 m
Spud Date	05/10/2008	Rig Activity	Run casing and cement

HALLIBURTON | Fluid Systems

This report, the software, any data contained in this report and any interpretations based on this report are offered "AS-IS" and "WHERE-IS." THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS AND/OR FITNESS FOR A PARTICULAR PURPOSE AND OR NON-INFRINGEMENT. IN NO EVENT WILL HALLIBURTON OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, PROFITS OR USE OF HARDWARE OR SOFTWARE). Customer uses at their own risk.

Date	05/15/2008	Depth	751.0 m
Spud Date	05/10/2008	Rig Activity	Nipple up B.O.P.

HALLIBURTON | Fluid Systems

Date	05/16/2008	Depth	751.0 m
Spud Date	05/10/2008	Rig Activity	Drilling out cement

HALLIBURTON | **Fluid Systems**

Date	05/15/2008	Depth	751.0 m
Spud Date	05/10/2008	Rig Activity	Nipple up B.O.P.

HALLIBURTON | **Fluid Systems**

Date	05/17/2008	Depth	1,446.0 m
Spud Date	05/10/2008	Rig Activity	Drilling

HALLIBURTON | Fluid Systems

Daily Drilling Fluid Report

Date05/18/2008		Depth1,766.0 m	
Spud Date05/10/2008		Rig ActivityTripping	
Operator3D Oil Ltd		Report ForShaughan Corless /Stefan Schmidt	
ContractorSeadrill		Well NameWardie-1	
CountryAustralia		Report ForMicheal Barry	
State/Province/RegionVictoria		Rig NameWest Triton	
Geographic Area/CountryBass Strait		Unit SystemApache	
Field or BlockVIC P57			
Bit Information		Drill String (in) / (m)	
Bit Size12.250 in		in Casing m	
Make/TypeREEDHYC/R SX616MA16		Circulation/Hydraulics Data	
Jets3x15 3x16		Model	
TFA1.107 sq-in		Bore in	
Jets Velocity94.9 m/sec		Strokes in	
Jet Impact Force1621.7 lbf		Eff(%)	
Bit HHSI4.31 hhp/in2		bbl/stk	
Press Drop @ Bit809 psi		SPM	
Bit Depth1,530.0 m		gpm bbl/min	
ECD @ Csg Shoe1.127 SG		Total GPM	
ECD @ BitSG		Total Circ Time	
		BU Time , min	
		Total Strokes	
		Leak Off SG	
Properties		Targets	
Source		Program	
Time		Fluid Treatments	
Depth		Fluid Type	
FL Temp		KCI / Polymer mud mixed: 178 bbls	
Density @ Deg C		Total KCI / Polymer mud mixed: 2862.6 bbls.	
FV @ Deg C		Cont. adding 5ppb Circal Y & 5 ppb Circal 60/16	
PV @ Deg C		into active at 1425m, 100m above top of LaTrobe	
YP		formation as per programme.	
GELS		Added 4 ppb BARABLOK into active @ 1515m.	
600/300		Continue to add EZ Mud to the active to increase	
200/100		and maintain concentration above 1 ppb.	
6/3			
API Filt		Rig Activity	
HTHP @ Deg C		Cont. drilling from 1446 m to 1520m as per	
Cake API/HTHP		Directional drillers instructions. Control ROP	
Corr Solid		drilling from 1520m to 1766m. Survey every	
NAP/Water		connection. Circulate hole clean @ 1075gpm.	
Sand		Trip tank remote valve not functioned, change	
MBT		out valve. Flow check, static. POOH wet from	
pH @ Deg C		1766m to 1530m, working tight spot at 1540m to	
ALK Mud		1530m.	
ALK Filt			
Chlorides			
Tot. Hardness			
LGS/HGS			
LGS/HGS			
ASG			
Additional Properties			
KCL %			
PPHA Concentration			
Product Name		Units	
Drilling Fluids Engineer 2		Start	
Drilling Fluids Engineer		Rec	
CLAYSEAL PLUS		Used	
barite		End	
BARABLOK		Cost	
BARAZAN D PLUS		Solids Control Equipment	
Circal Y		Shaker	
DEXTRID LTE		Screens	
Circal 60/16		Hrs	
Omyacarb 5		Drilling	
EZ-MUD		Circulating	
PAC-L		Trips	
soda ash		Rig	
ALDACIDE G		Surveys	
Amodrill 1235		Fishing	
BARACOR 100		Run Casing	
BARA-DEFOAM W300		Coring	
BAROFIBRE FINE		Reaming	
bentonite		Testing	
calcium chloride flake 77%		Logging	
caustic soda		Dir Work	
citric acid		Repair	
CON DET		Other	
CON DET		Total	
EZ SPOT		Rotating	
EZ-MUD DP		ROP	
KCL Tech Grade (bulk)		Dil Rate	
Kwikseal Fine			
lime			
Daily Products Cost		Fluid Volume Breakdown	
Cumulative Products Cost		KCI/Polymer	
Baroid Representatives		Active	
Office		bbl	
Warehouse		Additions	
		bbl	
		Losses	
		bbl	
		Fluid Types	
		Vol bbl	
		Deviation Information	
		Survey MD	
		Survey TVD	
		Angle	
		Direction	
		Horiz Displ.	

Daily Drilling Fluid Report

Daily Drilling Fluid Report										Date		05/19/2008		Depth		1,766.0 m							
										Spud Date		05/10/2008		Rig Activity				Tripping					
Operator					Report For					Well Name													
3D Oil Ltd					Shaughan Corless /Stefan Schmidt					Wardie-1													
Contractor					Report For					Rig Name			Unit System										
Seadrill					Micheal Barry					West Triton			Apache										
Country				State/Province/Region				Geographic Area/Country				Field or Block											
Australia				Victoria				Bass Strait				VIC P57											
Bit Information				Drill String (in) / (m)				in Casing m				Circulation/Hydraulics Data											
Bit Size		12.250 in		OD		ID		Length		OD		Set		MD		Model		Nat-14-P-220		Nat-14-P-220		Nat-14-P-220	
Make/Type		REEDHYC/RXS616MA16		Other		8.250		0.000		20.6		30.000		@ 133.0		Bore in		6.500		6.500		6.500	
Jets		3x15 3x16		Other		9.250		0.000		9.4		13.375		@ 136.0		Strokes in		14.000		14.000		14.000	
TFA		1.107 sq-in														Eff(%)		97		97		97	
Jets Velocity		82.5 m/sec														bbl/strk		0.139		0.139		0.139	
Jet Impact Force		1226.2 lbf														SPM		80		80		0	
Bit HHSI		2.83 hhp/in2														gpm bbl/min		468 11.15		468 11.15		0	
Press Drop @ Bit		611 psi														Total GPM		936		AV, Riser		Circ Press psi	
Bit Depth		30.0 m														Total Circ Time		26		AV min DP		Tot Pres Loss	
ECD @ Csg Shoe		1.123 SG														BU Time , min		0		AV max DC		Press Drop DP	
ECD @ Bit		SG														Leak Off SG		1.576		Total Strokes		4.203	
																				55		Press Drop An	
Properties		1		2		3		Hyd 4		Targets		Program		Fluid Treatments									
Source		Flow Line		Pit #6		Pit #6		Pit #6						Fluid Type									
Time		3:00		10:30		14:45		20:00						KCI/Polymer									
Depth		m		1,766		1,766		1,766						Made KCL brine for contingency purposes.									
FL Temp		Deg C												Note: Some chemicals charged off today was									
Density @ Deg C		SG		1.120		1.120 @ 30		1.120 @ 35				1.000		1.150		due to an inventory reconciliation							
FV @ Deg C		sec/qt		54		56 @ 30		56 @ 35															
PV @ Deg C		cP		15 @ 49		13 @ 49		13 @ 49															
YP		lbs/100 ft2		30		33		27				1		45									
GELS		lbs/100 ft2		13/19/23		14/19/23		13/20/24															
600/300				60.0/45.0		59.0/46.0		53.0/40.0															
200/100				39.0/31.0		40.0/31.0		35.0/28.0															
6/3				14.0/11.0		15.0/13.0		14.0/12.0															
API Filt		ml/30 min		5.0		5.0		5.2				1.0		6.0									
HTHP @ Deg C		ml/30 min		11.5 @ 121		11.4 @ 121		11.6 @ 121				1.0		12.0									
Cake API/HTHP		32nd in		1/2		1/2		1/2															
Corr Solid		% by Vol		4.0		4.5		4.5															
NAP/Water		% by Vol		-93.0		-92.4		-92.4															
Sand		% by vol		0.50		0.25		0.50															
MBT		ppb Eq.		10.0		10.0		10.0															
pH @ Deg C				9.00 @ 25		9.00 @ 25		9.00 @ 25				8.80		9.50									
ALK Mud		Pm		0.70		1.00		1.20															
ALK Filt		Pf/Mf		0.03/0.90		0.06/1.00		0.05/1.30															
Chlorides		mg/l		37,000		38,000		38,000															
Tot. Hardness		mg/l		400		440		480															
LGS/HGS		% by Vol		3.3/0.7		4.4/0.1		4.4/0.1															
LGS/HGS		ppb		29.99/10.34		40.31/1.56		40.31/1.56															
ASG		SG		2.881		2.637		2.637															
								</															

Daily Drilling Fluid Report

Daily Drilling Fluid Report										Date	05/20/2008	Depth	1,766.0 m							
										Spud Date	05/10/2008	Rig Activity		Tripping						
Operator					Report For					Well Name										
3D Oil ltd					Shaughan Corless /Stefan Schmidt					Wardie-1										
Contractor					Report For					Rig Name		Unit System								
Seadrill					Micheal Barry					West Triton		Apache								
Country			State/Province/Region			Geographic Area/Country			Field or Block											
Australia			Victoria			Bass Strait			VIC P57											
Bit Information			Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data											
Bit Size			5.500 in			OD Set MD			Model											
Make/Type			REEVES/Mule Shoe			Drill Pipe			30.000 @ 133.0		Bore in		Nat-14-P-220		Nat-14-P-220		Nat-14-P-220			
Jets			1x32			5.500 4.670 416.0			13.375 @ 136.0		Strokes in		6.500		6.500		6.500			
TFA			0.785 sq-in									14.000		14.000		14.000				
Jets Velocity			m/sec									97		97		97				
Jet Impact Force			lbf									0.139		0.139		0.139				
Bit HHSI			hhp/in2									0		0		0				
Press Drop @ Bit			psi									Total GPM		AV, Riser		Circ Press psi				
Bit Depth			416.0 m									Total Circ Time		AV min DP		Tot Pres Loss				
ECD @ Csg Shoe			SG									BU Time , min		AV max DC		Press Drop DP				
ECD @ Bit			SG						Leak Off SG 1.576			Total Strokes		BU Strokes		Press Drop An				
Properties			1		2		3		4		Targets		Program		Fluid Treatments					
Source			Pit #6		Pit #6										Fluid Type					
Time			10:05		20:00										KCl/Polymer					
Depth			1,766		1,766										KCl / Polymer mud mixed: 0 bbls					
FL Temp			Deq C												Total KCl / Polymer mud mixed: 2864.3 bbls.					
Density @ Deq C			SG		1.120 @ 28		1.120 @ 28						1.000 1.150							
FV @ Deq C			sec/qt		57 @ 28		58 @ 28													
PV @ Deq C			cP		13 @ 49		13 @ 49													
YP			lbs/100 ft2		27		27						1 45							
GELS			lbs/100 ft2		13/20/23		14/19/22													
600/300					53.0/40.0		53.0/40.0													
200/100					35.0/28.0		34.0/26.0													
6/3					14.0/12.0		14.0/12.0													
API Filt			ml/30 min		5.2		5.1						1.0 6.0							
HTHP @ Deq C			ml/30 min		11.6 @ 121		11.7 @ 121						1.0 12.0							
Cake API/HTHP			32nd in		1/2		1/2													
Corr Solid			% by Vol		4.5		4.4													
NAP/Water			% by Vol		-92.4		-92.4													
Sand			% by vol		0.50		0.50													
MBT			ppb Eq.		10.0		10.0													
pH @ Deq C					9.00 @ 25		9.00 @ 25						8.80 9.50							
ALK Mud			Pm		1.20		1.00													
ALK Filt			Pt/Mf		0.04/1.10		0.07/1.30													
Chlorides			mg/l		38,000		39,000													
Tot. Hardness			mg/l		480		480													
LGS/HGS			% by Vol		4.4/0.1		4.3/0.1													
LGS/HGS			ppb		40.31/1.56		39.50/1.64													
ASG			SG		2.637		2.640													
Additional Properties																				
KCL %			% by vol		8.0		8.0						6.0 8.0							
PHPA Concentration			ppb		1.00		1.00													
Product Name			Units		Start		Rec		Used		End		Cost		Solids Control Equipment				Time	
Drilling Fluids Engineer 2			day(s)						1				\$1,250.00		Shaker		Screens		Hrs	
Drilling Fluids Engineer			day(s)						1				\$1,250.00		VSM-300				Drilling	
ALDACIDE G			5 gal can		26						26				VSM-300				Circulating	
Amodrill 1235			1500 l drum		2						2				VSM-300				Trips	
BARACOR 100			55 gal drum		4						4				VSM-300				Rig	
BARA-DEFOAM W300			5 gal can		17						17				VSM-300				Surveys	
BARAZAN D PLUS			25 kg bag		45						45								Fishing	
barite			1000 kg bulk		125.300						125.300								Run Casing	
BAROFIBRE FINE			25 lb bag		50						50								Coring	
bentonite			1000 kg bulk		41.000						41.000								Reaming	
calcium chloride flake 77%			25 kg bag		21						21				Hydrocyclone		Cones		Screens	
caustic soda			25 kg pail		49						49				D 16		16 4		Hrs	
Circal 60/16			25 kg sack		48						48								Testing	
Circal Y			25 kg sack		49						49								Logging	
citric acid			25 kg bag		37						37								Dir Work	
CON DET			55 gal drum		8						8				Centrifuge		Speed		Feed Rate	
CON DET			5 gal can		32						32				Centrifuge		3,000		40.00	
DEXTRID LTE			25 kg sack		22						22				Centrifuge		3,000		40.00	
EZ SPOT			55 gal drum		8						8								Hrs	
EZ-MUD			25 kg pail		96						96								Total	
EZ-MUD DP			25 kg bag		14						14								Rotating	
KCL Tech Grade (bulk)			1000 kg bulk		11.000						11.000								ROP	
Kwikseal Fine			40 lb bag		38						38								Dil Rate	
lime			25 kg bag		74						74								0.00	
N-DRIL HT PLUS			50 lb bag		55						55									
NO-SULF			17 kg pail		48						48									
Omyacarb 5			25 kg bulk		33.000						33.000									
PAC-L			25 kg bag		55						55									
potassium chloride			1000 kg bag		10						10									
							</													

Daily Drilling Fluid Report

Operator 3D Oil Ltd		Report For Shaughan Corless /Stefan Schmidt		Well Name Wardie-1	
Contractor Seadrill		Report For Micheal Barry		Rig Name West Triton	
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait	
Date 05/21/2008		Depth 1,766.0 m		Spud Date 05/10/2008	
				Rig Activity P&A	
Bit Information		Drill String (in) / (m)		in Casing m	
Bit Size 5.500 in		OD ID Length		OD Set MD	
Make/Type REEVES/Mule Shoe		Drill Pipe 5.500 4.670 148.0		30.000 @ 133.0	
Jets 1x32				13.375 @ 136.0	
TFA 0.785 sq-in					
Jets Velocity 130.9 m/sec					
Jet Impact Force lbf					
Bit HHSI hhp/in2					
Press Drop @ Bit psi					
Bit Depth 148.0 m					
ECD @ Csg Shoe SG					
ECD @ Bit SG					
Properties		1	2	3	4
Source		Pit #6	Pit #6		
Time		12:00	18:00		
Depth		1,766	1,766		
FL Temp		Deq C			
Density @ Deq C		SG			
FV @ Deq C		sec/qt	55 @ 28	55	
PV @ Deq C		cP	12 @ 49	13 @ 49	
YP		lbs/100 ft2	28	27	
GELS		lbs/100 ft2	13/20/23	13/20/22	
600/300			52.0/40.0	53.0/40.0	
200/100			35.0/28.0	35.0/28.0	
6/3			14.0/12.0	14.0/12.0	
API Filt		ml/30 min	5.3	5.3	
HTHP @ Deq C		ml/30 min	11.6 @ 121	11.8 @ 121	
Cake API/HTHP		32nd in	1/2	1/2	
Corr Solid		% by Vol	4.5	4.5	
NAP/Water		% by Vol	-92.4	-92.4	
Sand		% by vol	0.50	0.50	
MBT		ppb Eq.	10.0	10.0	
pH @ Deq C			9.20 @ 25	9.50 @ 25	
ALK Mud		Pm	1.00	1.20	
ALK Filt		Pf/Mf	0.04/1.50	0.08/1.70	
Chlorides		mg/l	38,000	38,000	
Tot. Hardness		mg/l	480	480	
LGS/HGS		% by Vol	4.4/0.1	4.4/0.1	
LGS/HGS		ppb	40.31/1.56	40.31/1.56	
ASG		SG	2.637	2.637	
Additional Properties					
KCL %		% by vol	9.0	8.0	
PHPA Concentration		ppb	1.00	1.00	
Product Name		Units	Start	Rec	Used
Drilling Fluids Engineer 2		day(s)			1
Drilling Fluids Engineer		day(s)			1
BARAZAN D PLUS		25 kg bag	45		3
ALDACIDE G		5 gal can	26		1
Amodrill 1235		1500 l drum	2		2
BARACOR 100		55 gal drum	4		4
BARA-DEFOAM W300		5 gal can	17		17
barite		1000 kg bulk	125.300		125.300
BAROFIBRE FINE		25 lb bag	50		50
bentonite		1000 kg bulk	41.000		41.000
calcium chloride flake 77%		25 kg bag	21		21
caustic soda		25 kg pail	49		49
Circal 60/16		25 kg sack	48		48
Circal Y		25 kg sack	49		49
citric acid		25 kg bag	37		37
CON DET		55 gal drum	8		8
CON DET		5 gal can	32		32
DEXTRID LTE		25 kg sack	22		22
EZ SPOT		55 gal drum	8		8
EZ-MUD		25 kg pail	96		96
EZ-MUD DP		25 kg bag	14		14
KCL Tech Grade (bulk)		1000 kg bulk	11.000		11.000
Kwikseal Fine		40 lb bag	38		38
lime		25 kg bag	74		74
N-DRIL HT PLUS		50 lb bag	55		55
NO-SULF		17 kg pail	48		48
Omyacarb 5		25 kg bulk	33.000		33.000
PAC-L		25 kg bag	55		55
potassium chloride		1000 kg bag	10		10
Daily Products Cost		\$526.62	Total Daily Cost		\$3,026.62
Cumulative Products Cost		\$111,588.79	Total Cumulative Cost		\$144,088.79
Baroid Representatives		Gerald Lange	James Munford		
Office		90 Talinga Rd Melbourne	Telephone 61-03-9581-7555		
Warehouse		c/o of Esso Australia Ltd	Telephone 61-3-56-881-445		
Solids Control Equipment		Shaker	Screens	Hrs	Time
Drilling Fluids Engineer 2					Drilling
Drilling Fluids Engineer					Circulating
BARAZAN D PLUS					Trips
ALDACIDE G					Rig
Amodrill 1235					Surveys
BARACOR 100					Fishing
BARA-DEFOAM W300					Run Casing
barite					Coring
BAROFIBRE FINE					Reaming
bentonite					Testing
calcium chloride flake 77%					Logging
caustic soda					Dir Work
Circal 60/16					Repair
Circal Y					Other
citric acid					Total
CON DET					Rotating
CON DET					ROP
DEXTRID LTE					Dil Rate
EZ SPOT					0.00
EZ-MUD					
EZ-MUD DP					
KCL Tech Grade (bulk)					
Kwikseal Fine					
lime					
N-DRIL HT PLUS					
NO-SULF					
Omyacarb 5					
PAC-L					
potassium chloride					
Fluid Volume Breakdown		Active	bbl	Additions	bbl
Drilling Fluids Engineer 2		Annulus	52.5	Base	Fluid Dumped
Drilling Fluids Engineer		Pipe Cap	10.2	Drill Water	Transferred
BARAZAN D PLUS		Active Pits	400.0	Dewatering	SCE
ALDACIDE G		Total Hole	62.8	Sea Water	Evaporation
Amodrill 1235		Total Circ	462.8	Whole Mud	Trips
BARACOR 100		Reserve	32.0	Barite	Other
BARA-DEFOAM W300		Prev Vol	875.3	Chemicals	Total Surface
barite		Net Change	-352.4	Other	Downhole
BAROFIBRE FINE		Total Vol	494.8	Total	Total Losses
bentonite					-352.8
calcium chloride flake 77%					
caustic soda					
Circal 60/16					
Circal Y					
citric acid					
CON DET					
CON DET					
DEXTRID LTE					
EZ SPOT					
EZ-MUD					
EZ-MUD DP					
KCL Tech Grade (bulk)					
Kwikseal Fine					
lime					
N-DRIL HT PLUS					
NO-SULF					
Omyacarb 5					
PAC-L					
potassium chloride					
Fluid Types		Vol	bbl	Deviation Information	
Drilling Fluids Engineer 2		Potassium Chloride brine	510.0	Survey MD	1,766.0 m
Drilling Fluids Engineer				Survey TVD	1,618.2 m
BARAZAN D PLUS				Angle	7.36 Deg
ALDACIDE G				Direction	234
Amodrill 1235				Horiz Displ.	m

Daily Drilling Fluid Report

Operator 3D Oil Ltd		Report For Shaughan Corless /Stefan Schmidt		Well Name Wardie-1	
Contractor Seadrill		Report For Micheal Barry		Rig Name West Triton	
Country Australia		State/Province/Region Victoria		Field or Block VIC P57	
Date 05/22/2008		Depth 1,766.0 m		Spud Date 05/10/2008	
				Rig Activity Cut casing	
Bit Information		Drill String (in) / (m)		in Casing m	
Bit Size in		OD ID Length		OD Set MD	
Make/Type				30.000 @ 133.0	
Jets				13.375 @ 136.0	
TFA sq-in					
Jets Velocity m/sec					
Jet Impact Force lbf					
Bit HHSI hhp/in2					
Press Drop @ Bit psi					
Bit Depth m					
ECD @ Csg Shoe SG					
ECD @ Bit SG					
Circulation/Hydraulics Data					
Model					
Bore in					
Strokes in					
Eff(%)					
bbl/stk					
SPM					
gpm/bbl/min					
Total GPM					
Total Circ Time					
BU Time , min					
Total Strokes					
Leak Off SG					
1.576					
Properties		1		2	
Source		Pit #6			
Time		18:00			
Depth m		1,766			
FL Temp Deg C					
Density @ Deg C		1.120			
FV @ Deg C sec/qt		55			
PV @ Deg C cP		13 @ 49			
YP lbs/100 ft2		27			
GELS lbs/100 ft2		13/20/22			
600/300		53.0/40.0			
200/100		35.0/28.0			
6/3		14.0/12.0			
API Filt ml/30 min		5.3			
HTHP @ Deg C ml/30 min		11.8 @ 121			
Cake API/HTHP 32nd in		1/2			
Corr Solid % by Vol		4.5			
NAP/Water % by Vol		-92.4			
Sand % by vol		0.50			
MBT ppb Eq.		10.0			
pH @ Deg C		9.00 @ 25			
ALK Mud Pm		1.00			
ALK Filt Pf/Mf		0.03/1.70			
Chlorides mg/l		38,000			
Tot. Hardness mg/l		480			
LGS/HGS % by Vol		4.4/0.1			
LGS/HGS ppb		40.31/1.56			
ASG SG		2.637			
Additional Properties					
KCL % % by vol		8.0			
PHPA Concentration ppb		1.00			
Product Name		Units		Start	
Drilling Fluids Engineer 2		day(s)			
Drilling Fluids Engineer		day(s)			
calcium chloride flake 77%		25 kg bag		21	
ALDACIDE G		5 gal can		25	
Amodrill 1235		1500 l drum		2	
BARACOR 100		55 gal drum		4	
BARA-DEFOAM W300		5 gal can		17	
BARAZAN D PLUS		25 kg bag		42	
barite		1000 kg bulk		125.300	
BAROFIBRE FINE		25 lb bag		50	
bentonite		1000 kg bulk		41.000	
caustic soda		25 kg pail		49	
Circal 60/16		25 kg sack		48	
Circal Y		25 kg sack		49	
citric acid		25 kg bag		37	
CON DET		55 gal drum		8	
CON DET		5 gal can		32	
DEXTRID LTE		25 kg sack		22	
EZ SPOT		55 gal drum		8	
EZ-MUD		25 kg pail		96	
EZ-MUD DP		25 kg bag		14	
KCL Tech Grade (bulk)		1000 kg bulk		11.000	
Kwikseal Fine		40 lb bag		38	
lime		25 kg bag		74	
N-DRIL HT PLUS		50 lb bag		55	
NO-SULF		17 kg pail		48	
Omyacarb 5		25 kg bulk		33.000	
PAC-L		25 kg bag		55	
potassium chloride		1000 kg bag		10	
Daily Products Cost		\$27.64		Total Daily Cost	
Cumulative Products Cost		\$111,616.43		Total Cumulative Cost	
Baroid Representatives		Eugene Edwards		James Munford	
Office		90 Talinga Rd Melbourne		Telephone	
Warehouse		c/o of Esso Australia Ltd		Telephone	
				61-03-9581-7555	
				61-3-56-881-445	
Solids Control Equipment		Shaker		Screens	
VSM-300					
VSM-300					
VSM-300					
VSM-300					
VSM-300					
Hydrocyclone		Cones		Screens	
D 16		16 4			
Centrifuge		Speed		Feed Rate	
Centrifuge		3,000		40.00	
Centrifuge		3,000		40.00	
Fluid Volume Breakdown		KCI/Polymer			
Active		bbl		Additions	
Annulus				Base	
Pipe Cap				Drill Water	
Active Pits				Dewatering	
Total Hole		66.8		Sea Water	
Total Circ				Whole Mud	
Reserve		426.7		Barite	
Prev Vol		494.8		Chemicals	
Net Change				Other	
Total Vol		493.5		Total	
Fluid Types		Vol bbl		Deviation Information	
Potassium Chloride brine		510.0		Survey MD	
				Survey TVD	
				Angle	
				Direction	
				Horiz Displ.	
				1,766.0 m	
				1,618.2 m	
				7.36 Deg	
				234	
				m	

Daily Drilling Fluid Report

Date05/23/2008		Depth1,766.0 m	
Spud Date05/10/2008		Rig ActivityRig up and rig down	
Operator3D Oil Ltd		Report ForShaughan Corless /Stefan Schmidt	
ContractorSeadrill		Well NameWardie-1	
CountryAustralia		Report ForMicheal Barry	
State/Province/RegionVictoria		Rig NameWest Triton	
Geographic Area/CountryBass Strait		Unit SystemApache	
Field or BlockVIC P57			
Bit Information		Drill String (in) / (m)	
Bit Sizein		in Casing m	
Make/Type		Circulation/Hydraulics Data	
Jets		Model	
TFA		Nat-14-P-220	
Jets Velocitysq-in		Nat-14-P-220	
Jet Impact Forcem/sec		Nat-14-P-220	
Bit HHShhp/in2		Nat-14-P-220	
Press Drop @ Bitpsi		Nat-14-P-220	
Bit Depth1,766.0 m		Nat-14-P-220	
ECD @ Csg ShoeSG		Nat-14-P-220	
ECD @ BitSG		Nat-14-P-220	
Properties		Fluid Treatments	
Source		Fluid Type	
Time		KCI/Polymer	
Depthm			
FL TempDeg C			
Density @ Deg C			
FV @ Deg Csec/qt			
PV @ Deg CcP			
YPlbs/100 ft2			
GELSlbs/100 ft2			
600/300			
200/100			
6/3			
API Filtml/30 min			
HTHP @ Deg Cml/30 min			
Cake API/HTHP			
Corr Solid% by Vol			
NAP/Water% by Vol			
Sand% by vol			
MBTppb Eq.			
pH @ Deg C			
ALK MudPm			
ALK FiltPf/Mf			
Chloridesmg/l			
Tot. Hardnessmg/l			
LGS/HGS% by Vol			
LGS/HGSppb			
ASGSG			
Additional Properties			
KCL %% by vol			
PHPA Concentrationppb			
Product Name		Fluid Treatments	
Units		Fluid Type	
Start		KCI/Polymer	
Rec			
Used			
End			
Cost			
Drilling Fluids Engineer 2			
Drilling Fluids Engineer			
ALDACIDE G			
Amodrill 1235			
BARACOR 100			
BARA-DEFOAM W300			
BARAZAN D PLUS			
barite			
BAROFIBRE FINE			
bentonite			
calcium chloride flake 77%			
caustic soda			
Circal 60/16			
Circal Y			
citric acid			
CON DET			
CON DET			
DEXTRID LTE			
EZ SPOT			
EZ-MUD			
EZ-MUD DP			
KCL Tech Grade (bulk)			
Kwikseal Fine			
lime			
N-DRIL HT PLUS			
NO-SULF			
Omyacarb 5			
PAC-L			
potassium chloride			
Daily Products Cost			
Cumulative Products Cost			
Baroid Representatives			
Office			
Warehouse			
Eugene Edwards			
James Munford			
90 Talinga Rd Melbourne			
c/o of Esso Australia Ltd			
Telephone			
61-03-9581-7555			
Telephone			
61-3-56-881-445			
Solids Control Equipment			
Shaker			
Screens			
Hrs			
Drilling			
Circulating			
Trips			
Rig			
Surveys			
Fishing			
Run Casing			
Coring			
Reaming			
Testing			
Logging			
Dir Work			
Repair			
Other			
Total			
Rotating			
ROP			
Dil Rate			
Fluid Volume Breakdown			
KCI/Polymer			
Active			
bbl			
Additions			
bbl			
Losses			
bbl			
Annulus			
Pipe Cap			
Active Pits			
Total Hole			
Total Circ			
Reserve			
Prev Vol			
Net Change			
Total Vol			
Fluid Types			
Vol			
bbl			
Deviation Information			
Survey MD			
Survey TVD			
Angle			
Direction			
Horiz Displ.			
Potassium Chloride brine			
510.0			
Survey MD			
Survey TVD			
Angle			
Direction			
Horiz Displ.			
1,766.0 m			
1,618.2 m			
7.36 Deg			
234			
m			

Date	05/24/2008	Depth	1,766.0 m
Spud Date	05/10/2008	Rig Activity	Rig up and rig down

HALLIBURTON | Fluid Systems

This report, the software, any data contained in this report and any interpretations based on this report are offered "AS-IS" and "WHERE-IS." THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS AND/OR FITNESS FOR A PARTICULAR PURPOSE AND OR NON-INFRINGEMENT. IN NO EVENT WILL HALLIBURTON OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, PROFITS OR USE OF HARDWARE OR SOFTWARE). Customer uses at their own risk.

Date	05/25/2008	Depth	1,766.0 m
Spud Date	05/10/2008	Rig Activity	Move to location

HALLIBURTON | Fluid Systems

This report, the software, any data contained in this report and any interpretations based on this report are offered "AS-IS" and "WHERE-IS." THERE ARE NO REPRESENTATIONS OR WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR FITNESS AND/OR FITNESS FOR A PARTICULAR PURPOSE AND OR NON-INFRINGEMENT. IN NO EVENT WILL HALLIBURTON OR ITS AFFILIATES OR SUPPLIERS BE LIABLE FOR ANY DAMAGES, WHATSOEVER, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR EXEMPLARY DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF DATA, PROFITS OR USE OF HARDWARE OR SOFTWARE). Customer uses at their own risk.