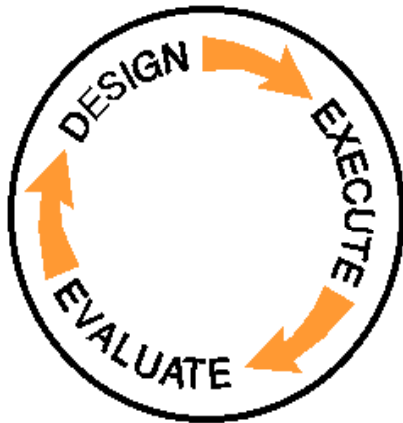


Schlumberger

Cementing End Of Well Report ***Culverin-1***



Rig : Ocean Patriot
Well Type : Exploration
Customer : Nexus
Prepared by : Pam Kosarek
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Date : 10 March 2006

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Well Summary

Client Representative		
No	Name	Position
1	W. Westman	Drilling Supervisor
2	B. Webb	Drilling Supervisor
3	R. King	Drilling Supervisor
4	S. Rodda	Drilling Supervisor

Dowell Supervisor		
No	Name	Position
1	R. Beresford	Field Specialist
2	P. Kosarek	Field Engineer
3	N. Macatangay	Cementing Assistant
4	E. Llagas	Field Specialist

Cement Job Summary

Date	Job Type	Material/Fluid Used			Cement Slurry		Displacement		Spacer	Cement Head	Plugs	
		Material	Con.	Quantity	Density	Volume	Fluid	Volume	Type	Volume	Top	Bottom
17-Dec-05	30" Casing	G Cement D047 S001 Dye	- 0.01 gal/sk 1.0% BWOC -	944 sx 15 gal 887 lb 2kg	15.8 ppg	200 bbl	SW	64 bbl	SW	20 bbl		
21-Dec-05	13.375" Casing	G Cement Dye D047 D075 D047	- - 0.01 gal/sk 0.42 gal/sk 0.01 gal/sk	1900 sx 3kg 10 gal 328 gal 10 gal	12.5 ppg 15.8 ppg	398 bbl 208 bbl	SW Rig	40 bbl 418 bbl	SW	40 bbl	1	1
9-Jan-06	Plug 1	HTB Cement D047 D110 D145A D193	- 0.01 gal/sk 0.01 gal/sk 0.095 gal/sk 0.75 gal/sk	375 sx 4 gal 4 gal 35 gal 290 gal	15.8 ppg	102 bbl	DW Rig	1.5 bbl 195 bbl	DW	10 bbl		
9-Jan-06	Plug 2	HTB Cement D047 D145A D193	- 0.01 gal/sk 0.095 gal/sk 0.50 gal/sk	236 sx 2 gal 22 gal 134 gal	15.8 ppg	65 bbl	DW Mud	1.5 bbl 149 bbl	DW	10 bbl		
9-Jan-06	Plug 3	HTB Cement D047	- 0.01 gal/sk	256 sx 3 gal	15.8 ppg	71 bbl	DW Mud	1.5 bbl 74 bbl	DW	10 bbl		
10-Jan-06	Plug 4	G Cement D047	- 0.01 gal/sk	238 sx 3 gal	15.8 ppg	50 bbl	DW Mud	1.5 bbl 30 bbl	DW	10 bbl		

Miscellaneous Pumping and Pressure Testing

Job	Job Started	Type of Fluid	Pressure Max, Psi	Job Finished
	Date			Date
BOP Test	22/12/2006	SW	7500	23/12/2006
Leak Off Test	24/12/2006	MUD	1662	24/12/2006

END WELL REPORT
Culverin-1
JOB DESIGN & EXECUTION SUMMARY

36" HOLE / 30" X 20" CASING

1.1 Drilling/Casing:

The 36" hole was drilled to a total depth of 650 m with seawater and Hi-vis sweeps. 30" Casing was run and set at 650 m with a 5" DP inner string.

1.2 Design

A single 15.8 ppg tail slurry was planned to provide strong cement at the 20" shoe:

Tail Slurry

G Cement: 944 sacks
Seawater: 5.313 gal/sk
D047 (antifoam): 0.01 gal/sk
S001 (accelerator): 1.0 % BWOC
Density – 15.8 ppg
Yield – 1.19 cuft/sk
Slurry Volume – 200 bbls
TOC - Seabed
Open Hole Excess – 200%

1.3 Execution

While circulating with seawater after the casing was landed, a Job Hazard Analysis with the Rig Crews and Barge Captain was performed to inform them of their job role and the potential hazards that may occur during execution.

Job Procedure:

- 1) Pump 5 bbl sea water with dye.
- 2) Pressure test surface lines to 2000psi.
- 3) Pump 15 bbl sea water with dye
- 4) Mix & pump 200 bbl of tail slurry @ 15.8ppg
- 5) Displace with 64 bbl seawater.
- 6) Bleed off pressure and check floats.

1.4 Evaluation

Job executed according to procedure.

17 1/2" HOLE / 13 3/8" CASING

2.1 Drilling/Casing:

The 17 1/2" hole was drilled to a total depth of 1525 m with seawater and Hi-vis sweeps. 13 3/8" casing was run and set at 1511 m. A DeepSea EXPRES* cement head was used for top and bottom plug release.

2.2 Design:

<u>Lead Slurry</u>	<u>Tail Slurry</u>
G Cement	G Cement
Sea water: 12.718 gal/sk	Sea water: 5.324 gal/sk
D047 (antifoam): 0.01 gal/sk	D047 (antifoam): 0.01 gal/sk
D075 (extender): 0.42 gal/sk	
Density – 12.5 ppg	Density – 15.8 ppg
Yield – 2.23 cuft/sk	Yield – 1.18 cuft/sk
Slurry Volume – 398 bbl	Slurry Volume – 208 bbl

2.3 Execution:

After the casing was landed and cement line rigged up, a Job Hazard Analysis with the Rig Crews and Barge Captain was performed to inform them of their job role and the potential hazards that may occur during execution.

Job Procedure:

- 1) Rig up DeepSea Express Surface Dart Launcher and Subsea Tool to landing string
- 2) Rig up cement lines
- 3) Conduct Job Hazard Analysis
- 4) Pump 5 bbl sea water ahead
- 5) Pressure test lines to 2000 psi
- 6) Pump 15 bbl sea water ahead
- 7) Pump 20 bbl sea water with dye
- 8) Release bottom dart
- 9) Mix & pump 398 bbl lead slurry @ 12.5 ppg
- 10) Mix & pump 208 bbl tail slurry @ 15.8 ppg
- 11) Release top dart
- 12) Displace with 40 bbl sea water to release top plug
- 13) Switch to rig pumps for final 418 bbl mud displacement
- 14) Bump plug and pressure test casing
- 15) Bleed off pressure and check floats ok.

2.4 Evaluation:

Job executed according to procedure.

12 1/4" HOLE / WELL ABANDONMENT

3.1 Well Abandonment

After completion of the 12 1/4" hole section and formation evaluation, the well was abandoned using cement plugs.

3.2 Design:

<u>Plug 1</u>	<u>Plug 2</u>	<u>Plug 3</u>	<u>Plug 4</u>
HTB Cement	HTB Cement	HTB Cement	G Cement
Drill water: 5.549 gal/sk	Drill water: 5.810 gal/sk	Sea water: 6.629 gal/sk	Sea water: 5.324 gal/sk
D047 (antifoam): 0.01 gal/sk	D047 (antifoam): 0.01 gal/sk	D047 (antifoam): 0.01 gal/sk	D047 (antifoam): 0.01 gal/sk
D145A (dispersant): 0.1 gal/sk	D145A (dispersant): 0.095 gal/sk	--	--
D110 (retrarder): 0.01 gal/sk	--	--	--
D193 (fluid loss): 0.75 gal/sk	D193 (fluid loss): 0.5 gal/sk	--	--
Density – 15.8 ppg	Density – 15.8 ppg	Density – 15.8 ppg	Density – 15.8 ppg
Yield – 1.53 cuft/sk	Yield – 1.53 cuft/sk	Yield – 1.56 cuft/sk	Yield – 1.18 cuft/sk
Slurry Volume – 102 bbl	Slurry Volume – 65 bbl	Slurry Volume – 71 bbl	Slurry Volume – 50 bbl

3.3 Execution:

Before each job a Job Hazard Analysis with the Rig Crews and Barge Captain was performed to inform them of their job role and the potential hazards that may occur during execution.

Job Procedure - Plug 1:

- 1) Pump 5 bbl drill water
- 2) Pressure test lines to 1000 psi
- 3) Pump 5 bbl drill water
- 4) Mix & Pump 102 bbl slurry @ 15.8 ppg
- 5) Pump 1.5 bbl drill water
- 6) Displace with 195 bbl mud

Job Procedure - Plug 2:

- 1) Pump 5 bbl drill water
- 2) Pressure test lines to 1000 psi
- 3) Pump 5 bbl drill water
- 4) Mix & Pump 65 bbl slurry @ 15.8 ppg
- 5) Pump 1.5 bbl drill water
- 6) Displace with 149 bbl mud

Job Procedure - Plug 3:

- 1) Pump 5 bbl sea water.
- 2) Pressure test lines to 1000 psi
- 3) Pump 5 bbl sea water
- 4) Mix & Pump 71 bbl slurry @ 15.8 ppg
- 5) Pump 1.5 bbl drill water
- 6) Displace with 74 bbl mud

Job Procedure - Plug 4:

- 1) Pump 5 bbl sea water.
- 2) Pressure test lines to 1000 psi
- 3) Pump 5 bbl sea water
- 4) Mix & Pump 50 bbl slurry @ 15.8 ppg
- 5) Pump 1.5 bbl sea water
- 6) Displace with 30 bbl mud

3.4 Evaluation

The jobs were performed as per design and procedure.

Laboratory Cement Test Report- Culverin-1 30" Conductor

Fluid No : AUPT 790001	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Dec-03-2005	Well Name : Culverin 1	Field : Portland	Brenton

Job Type	Conductor	Depth	607.0 m	TVD	607.0 m
BHST	8 degC	BHCT	20 degC	BHP	1196 psi
Starting Temp.	27 degC	Time to Temp.	00:16 hr:mn	Heating Rate	0.56 degF/min
Starting Pressure	300 psi	Time to Pressure	00:16 hr:mn	Schedule	9.3-3

Composition

Density	15.80 lb/gal	Yield	1.20 ft ³ /sk	Mix Fluid	5.313 gal/sk
Porosity	59.3 %	Solid Fraction	40.7 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
G		94 lb of BLEND	Blend	199.77 lb/ft ³	Rig
Sea water	5.303 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab
S001	2.000 %BWOC %95-%97		accelerator		Lab

Rheology (Average readings)

(rpm)	(deg)
300	190.0
200	169.0
100	128.0
60	111.0
30	95.0
6	34.0
3	24.0

10 sec Gel	24
10 min Gel	34
Temperature	20 degC

Pv : 108.391 cP
Ty : 88.69 lbf/100ft²

Thickening Time

Consistency	Time
40 Bc	03:00 hr:mn
70 Bc	04:02 hr:mn
100 Bc	04:40 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

1.5 mL/250mL	in 2 hrs
At 27 degC and 0 deg incl.	
Sedimentation	None

Water Analysis

Chloride	Calcium	Magnesium
>3000.00 mg/L	(lb/bbl)	(lb/bbl)

Comments

General Comment : S001 is prehydrated
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ; ;

Laboratory Cement Test Report-Culverin-1 1338 Lead Slurry

Fluid No : AUPT 792001	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Nov-06-2005	Well Name : Culverin 1	Field : Portland	Brenton

Job Type	cond	Depth	1500.0 m	TVD	1500.0 m
BHST	33 degC	BHCT	24 degC	BHP	2500
Starting Temp.	27 degC	Time to Temp.	(00:20)	Heating Rate	(degF/min)
Starting Pressure	396	Time to Pressure	(00:20)	Schedule	()

Composition

Density	12.50 lb/gal	Yield	2.23 ft3/sk	Mix Fluid	13.148 gal/sk
Porosity	78.9 %	Solid Fraction	21.1 %	Slurry type	Conventional
Code	Concentration	Sack Reference	Component	Absolute Density	Lot Number
G		94 lb of Class G Cmt	Class G Cmt	199.77 lb/ft3	Rig
Sea water	12.718 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab
D075	0.420 gal/sk		extender		Lab

Rheology (Average readings)

(rpm)	(deg)
300	30.0
200	24.0
100	21.0
60	18.0
30	16.0
6	12.0
3	10.0
10 sec Gel	9
10 min Gel	15
Temperature	27 degC
	Pv : 15.227 cP
	Ty : 14.82 lbf/100ft2

Thickening Time

Consistency	Time
40 Bc	08:20 hr:mn
70 Bc	11:00 hr:mn
100 Bc	16:40 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

2.5 mL/250mL	in 2 hrs
At 27 degC and 0 deg incl.	
Sedimentation	None

Comments

General Comment :
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ; ;

Laboratory Cement Test Report-Culverin-1 1338Tail_Without CaCl2

Fluid No : AUPT 792003	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Nov-07-2005	Well Name : Culverin-1	Field : Casing	Paul

Job Type	Casing	Depth	1500.0 m	TVD	1500.0 m
BHST	33 degC	BHCT	24 degC	BHP	(2500psi)
Starting Temp.	(23degC)	Time to Temp.	00:20	Heating Rate	(degF/min)
Starting Pressure	(396psi)	Time to Pressure	00:20	Schedule	()

Composition

Density	15.80 lb/gal	Yield	1.18 ft3/sk	Mix Fluid	5.334 gal/sk
Porosity	60.2 %	Solid Fraction	39.8 %	Slurry type	Conventional
Code	Concentration	Sack Reference	Component	Absolute Density	Lot Number
G		94 lb of Class G Cmt	Class G Cmt	199.77 lb/ft3	Rig
Sea water	5.324 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab

Rheology (Average readings)

(rpm)	(deg)	(deg)
300	108.0	
200	89.5	
100	79.0	
60	67.0	
30	54.5	
6	24.5	
3	18.5	
10 sec Gel	19	
10 min Gel	25	
Temperature	27 degC	(degC)
	k : 1.42E-1 lb ¹ .s ⁿ /ft ² n : 0.325 Ty : 1.40 lb/100ft ²	k : (lb ¹ .s ⁿ /ft ²) n : () Ty : (lb/100ft ²)

Thickening Time

Consistency	Time
40 Bc	03:52 hr:mn
70 Bc	04:19 hr:mn
100 Bc	04:46 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

mL/250mL	in 2 hrs
At (degC) and (deg) incl.	
Sedimentation	

Water Analysis

Chloride	Calcium	Magnesium
(lb/bbl)	(lb/bbl)	(lb/bbl)

Fluid Loss

API Fluid Loss	mL
mL in 30 min at (degC)	and (psi)

Comments

General Comment :
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ;

Laboratory Cement Test Report-Culverin-1 HTB Plug 1 @ 3750m (Database Lab Test from Basker-2)

Fluid No : AAPT 756001	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Aug-25-2005	Well Name : Culverin-1	Field :	Brenton

Job Type	Plug	Depth	3750.0 m	TVD	3750.0 m
BHST	99 degC	BHCT	68 degC	BHP	6190 psi
Starting Temp.	27 degC	Time to Temp.	00:49 hr:mn	Heating Rate	0.84 degC/min
Starting Pressure	642 psi	Time to Pressure	00:49 hr:mn	Schedule	9.7-3

Composition

Density	15.80 lb/gal	Yield	1.53 ft ³ /sk	Mix Fluid	6.419 gal/sk
Porosity	56.2 %	Solid Fraction	43.8 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
G		94 lb of BLEND	Blend	199.77 lb/ft ³	
Fresh water	5.549 gal/sk		Base Fluid		
D066	35.000 %BWOC		silica		Rig
D193	0.750 gal/sk		fluid loss		Lab
D145A	0.100 gal/sk		dispersant		Lab
D110	0.010 gal/sk		retarder		Lab
D047	0.010 gal/sk		antifoam		Lab

Rheology (Average readings)

(rpm)	(deg)
300	63.0
200	43.5
100	27.5
60	22.5
30	17.0
6	10.5
3	9.5

10 sec Gel	9
-------------------	---

10 min Gel	15
-------------------	----

Temperature	68 degC
--------------------	---------

P_v : 50.460 cP
T_y : 11.43 lbf/100ft²

Thickening Time

Consistency	Time
40 Bc	04:06 hr:mn
70 Bc	04:30 hr:mn
100 Bc	04:45 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

1.0 mL/250mL	in 2 hrs
At 27 degC and 0 deg incl.	
Sedimentation	None

Water Analysis

Chloride	Calcium	Magnesium
0.11 lb/bbl	(lb/bbl)	(lb/bbl)

Fluid Loss

API Fluid Loss	56 mL
28 mL in 30 min at 68 degC	and 1000 psi

Comments

General Comment :
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ; ;

Laboratory Cement Test Report-Culverin-1 HTB Plug 2

Fluid No : AUPT 803003	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Jan-04-2006	Well Name : Culverin-1	Field : Portland	Paul

Job Type	Plug	Depth	2900.0 m	TVD	2900.0 m
BHST	75 degC	BHCT	53 degC	BHP	5715 psi
Starting Temp.	27 degC	Time to Temp.	00:22 hr:mn	Heating Rate	2.77 degF/min
Starting Pressure	1227 psi	Time to Pressure	00:22 hr:mn	Schedule	()

Composition

Density	15.80 lb/gal	Yield	1.53 ft3/sk	Mix Fluid	6.415 gal/sk
Porosity	56.2 %	Solid Fraction	43.8 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
G		94 lb of BLEND	Blend	199.77 lb/ft3	Rig
Fresh water	5.810 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab
D066	35.000 %BWOC		silica		Lab
D193	0.500 gal/sk		fluid loss		Lab
D145A	0.095 gal/sk		dispersant		Lab

Rheology (Average readings)

(rpm)	(deg)	(deg)
300	68.0	60.0
200	46.5	44.0
100	26.0	27.0
60	16.0	20.0
30	9.5	15.0
6	4.0	4.5
3	2.0	2.0

10 sec Gel	3	2
10 min Gel	20	9
Temperature	27 degC	53 degC

Pv : 65.250 cP	Pv : 50.148 cP
Ty : 3.10 lbf/100ft2	Ty : 10.14 lbf/100ft2

Thickening Time

Consistency	Time
40 Bc	02:42 hr:mn
70 Bc	02:56 hr:mn
100 Bc	03:11 hr:mn
Remark : Thickening time do not include batch time	

Fluid Loss

API Fluid Loss	56 mL
28 mL in 30 min at 53 degC	and 1000 psi

Comments

General Comment :
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ;

Laboratory Cement Test Report-Culverin-1 HTB Plug 3

Fluid No : AUPT 798001	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Jan-04-2006	Well Name : Culverin-1	Field : Portland	Brenton

Job Type	Plug	Depth	1585.0 m	TVD	1585.0 m
BHST	35 degC	BHCT	24 degC	BHP	1100 psi
Starting Temp.	(degC)	Time to Temp.	00:18	Heating Rate	(degF/min)
Starting Pressure	(psi)	Time to Pressure	00:18	Schedule	()

Composition

Density	15.80 lb/gal	Yield	1.56 ft ³ /sk	Mix Fluid	6.639 gal/sk
Porosity	57.0 %	Solid Fraction	43.0 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
G		94 lb of BLEND	Blend	199.77 lb/ft ³	Rig
Sea water	6.629 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab
D066	35.000 %BWOC		silica		Rig

Rheology (Average readings)

(rpm)	(deg)	(deg)
300	159.0	
200	148.0	
100	123.5	
60	100.5	
30	83.5	
6	24.5	
3	19.0	

10 sec Gel	21	
10 min Gel	24	
Temperature	27 degC	(degC)
	Pv : 74.790 cP	k : (lb ³ .s ⁿ /ft ²)
	Ty : 91.41 lb/100ft ²	n : ()
		Ty : (lb/100ft ²)

Thickening Time

Consistency	Time
40 Bc	03:30 hr:mn
70 Bc	04:45 hr:mn
100 Bc	06:40 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

1.2 mL/250mL	in 2 hrs
At 27 degC and 0 deg incl.	
Sedimentation	None

Water Analysis

Chloride	Calcium	Magnesium
>3000.00 mg/L	(lb/bbl)	(lb/bbl)

Comments

General Comment :
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ; ;

Laboratory Cement Test Report- Culverin-1 Plug 4

Fluid No : AUPT 790001	Client : Nexus	Location / Rig : Ocean Patriot	Signatures
Date : Dec-03-2005	Well Name : Culverin 1	Field : Portland	Brenton

Job Type	Plug	Depth	750.0 m	TVD	750.0 m
BHST	10 degC	BHCT	20 degC	BHP	1196 psi
Starting Temp.	27 degC	Time to Temp.	00:16 hr:mn	Heating Rate	0.56 degF/min
Starting Pressure	300 psi	Time to Pressure	00:16 hr:mn	Schedule	9.3-3

Composition

Density	15.80 lb/gal	Yield	1.20 ft ³ /sk	Mix Fluid	5.313 gal/sk
Porosity	59.3 %	Solid Fraction	40.7 %	Slurry type	Conventional

Code	Concentration	Sack Reference	Component	Blend Density	Lot Number
G		94 lb of BLEND	Blend	199.77 lb/ft ³	Rig
Sea water	5.303 gal/sk		Base Fluid		Rig
D047	0.010 gal/sk		antifoam		Lab
S001	2.000 %BWOC %95-%97		accelerator		Lab

Rheology (Average readings)

(rpm)	(deg)
300	190.0
200	169.0
100	128.0
60	111.0
30	95.0
6	34.0
3	24.0

10 sec Gel	24
10 min Gel	34
Temperature	20 degC

Pv : 108.391 cP
Ty : 88.69 lbf/100ft ²

Thickening Time

Consistency	Time
40 Bc	03:00 hr:mn
70 Bc	04:02 hr:mn
100 Bc	04:40 hr:mn
Remark : Thickening time do not include batch time	

Free Fluid

1.5 mL/250mL	in 2 hrs
At 27 degC and 0 deg incl.	
Sedimentation	None

Water Analysis

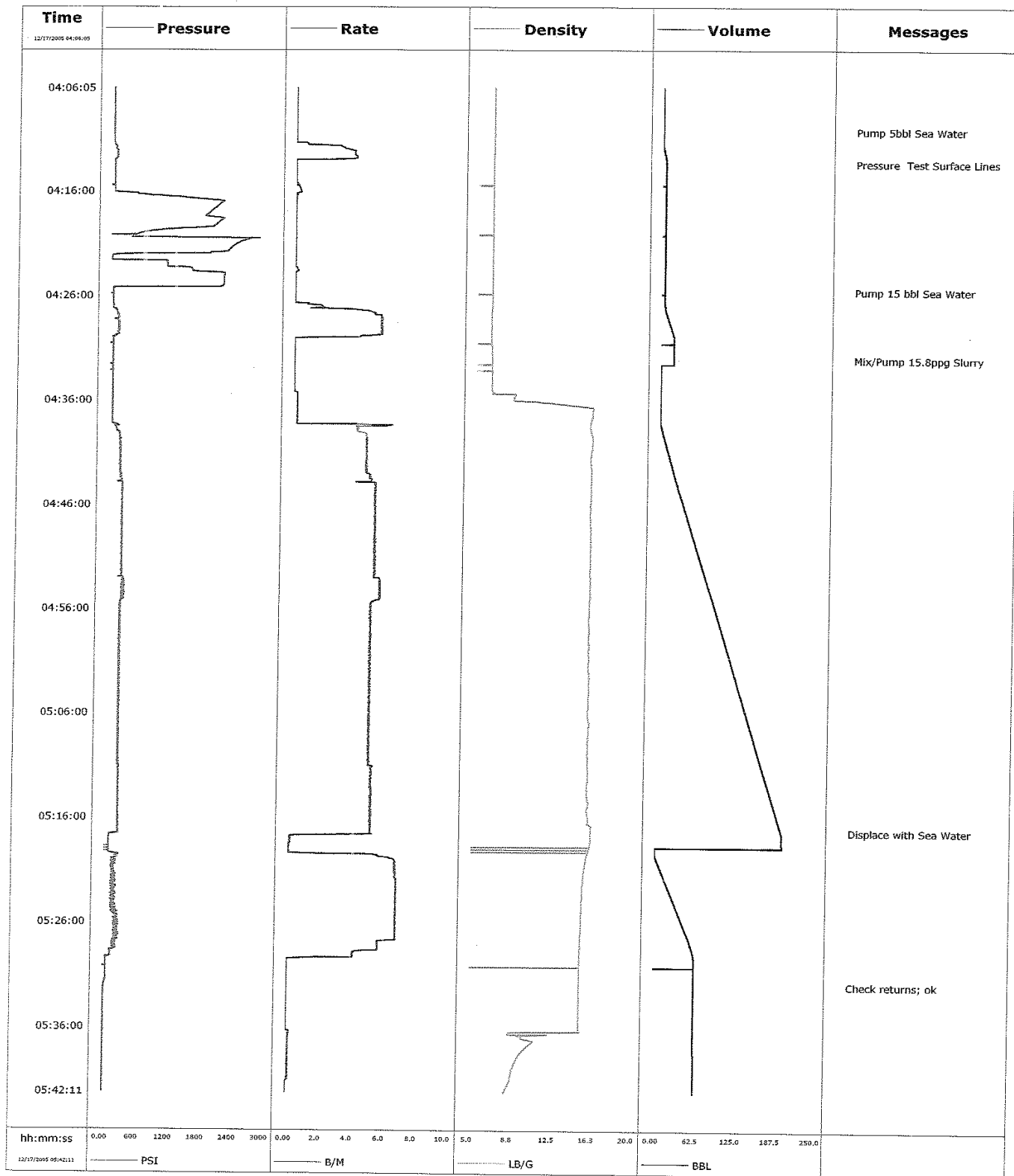
Chloride	Calcium	Magnesium
>3000.00 mg/L	(lb/bbl)	(lb/bbl)

Comments

General Comment : S001 is prehydrated
Fann Reading Comment :
Thickening Time Comment :
Other test Comment : ; ; ; ;

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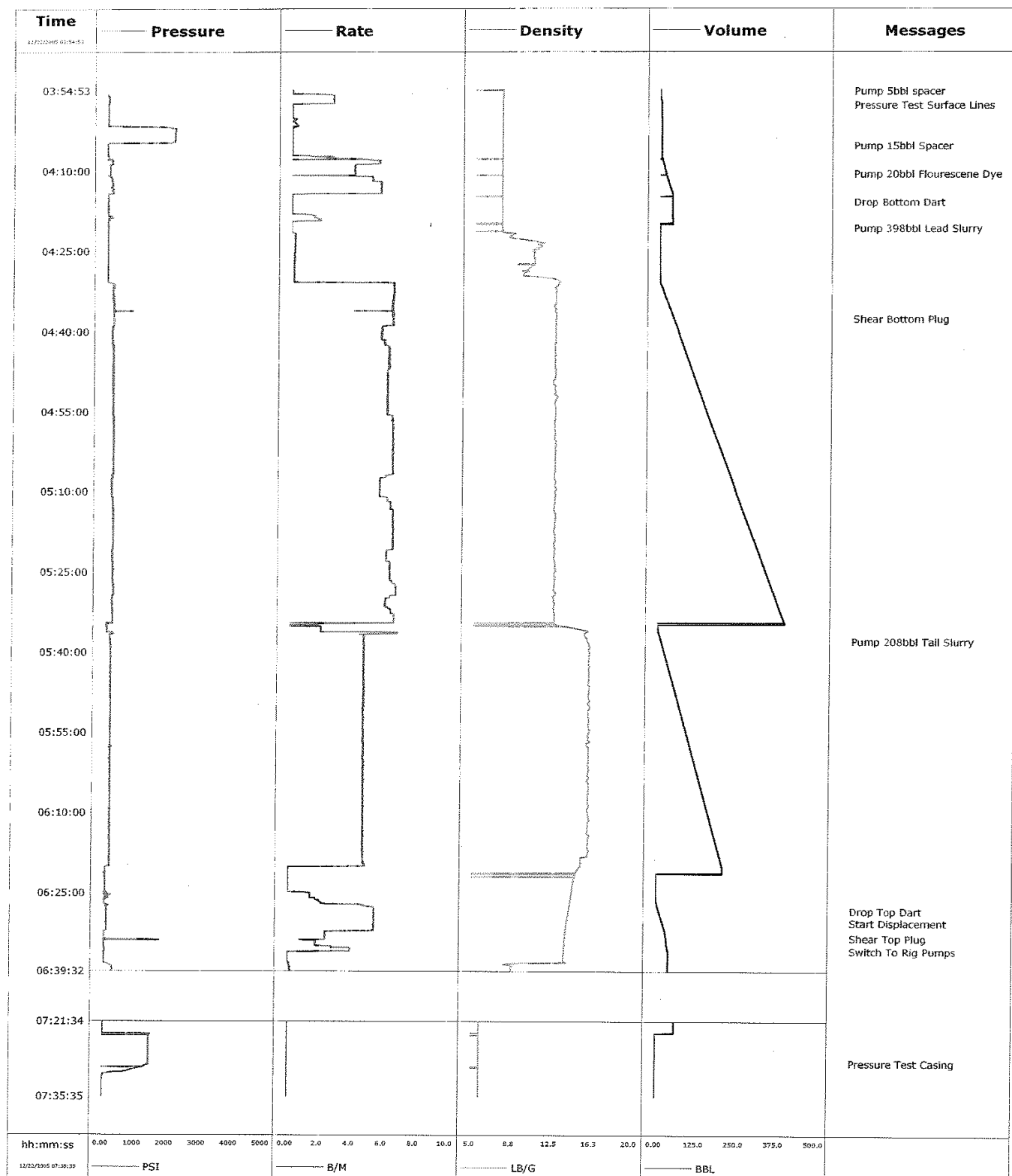
Well	Culverin 1	Client	Nexus
Field	Gippsland Basin	SIR No.	
Engineer	Reece Beresford	Job Type	30" Conductor
Country	Australia	Job Date	12-18-2005



12/18/2005 08:09:25

DISTRICT APG		STATION		TYPE SERVICE 13 3/8" Casing Job		COMPANY Nexus Energy		Schlumberger			
RIG Ocean Patriot		TYPE OF WELL Exploration		FIELD Gippsland Basin		WELL No. Culverin #1		SERVICE REPORT			
TIME AND DATE JOB STARTED 00:15PM 21/12/05		TOTAL DEPTH 1525m		SIZE HOLE 17.5"		DEVIATION 33 deg		BHST 25 deg		INVOICE NUMBER	
TIME & DATE JOB COMPLETED 7:35AM 21/12/2005		DRILL FLUID SW + Hi-Vis Type		8.6ppg Wt.		Vis		FORMATION Gippsland Limestone		SIR NUMBER	
Casing 13 3/8" Size		1511m Depth		N52 Type		72# Wt.		Volume		1485m Collar at	
Completion Size		Depth		Type		Wt.		Packer @		Shoe Depth	
Previous Casing Sea Bed TOP		650m Bottom		30x20" Size							
BRIDGE PLUG Type		Depth		Type		Depth					
CEMENT HEAD Deep Sea Express®		Time - Min.		Vol. BBLs		Press - PSI					
CASING EQUIPMENT USED		PLUGS		CENT.		Qty.		Type			
WASH		SPACER		12.5ppg		398bbl		303bbl		15.8ppg	
Wt.		Vol. BBLs		Fill		Wt.		Vol.		Mix Water	
EQUIPMENT		LAS LPJ		Pump Unit		Batch Mixer		Compressor RCM		Pump Unit S/N	
DURING JOB WAS PIPE		Rotated		Reciprocated		PARAMETERS RECORDED		ON: Press Rate Vol Dty		FROM Recorder	
LEAD SLURRY		TAIL SLURRY		MATERIALS USED		81MT Cement		1 - 13 3/8" DSE Top Plug			
Class "G" neat + 0.42gps D75 + 0.01gps D47 + Sea water @ 12.5ppg w/ 2.23cf/sk yield		Class "G" neat + 0.01gps D47 + Sea water @ 15.8ppg w/ 1.18cf/sk yield		328 gal D75		1 - 13 3/8" DSE Bottom Plug					
20 gal D47				Flourescene Dye							
TIME		PRESSURE		VOLUME		LT		RECORD OF SERVICE			
		Low High		BBL BPM		MIN					
00:15								Rig up Sub Sea Tool to running tool			
02:40								Hold Safety meeting			
02:45								Rig up hydraulic lines and Cement hose to SDL			
03:53				5 3				Pump 5 bbl spacer			
03:55		2,000						Pressure test lines to 2000 psi			
04:05				15 6				pump 15bbl spacer			
04:10				20 6				Pump 20bbl spacer with flourescene dye.			
04:15		1,700						Release bottom dart. Shear bottom plug at 37bbl			
04:20				395 6				Mix and pump 398bbl of Lead Slurry @ 12.5ppg			
05:30								Mix and pump 208bbl of Tail Slurry @ 15.8ppg			
06:20		1,800						Release Top Dart. Shear top plug at 35bbl			
06:25								Displace Slurry with 40bbl of seawater			
06:35								Switch to Rig Pumps and displace 418bbl			
07:25		1,474						Bump Plug. Pressure test Casing to 1474psi			
07:30								Bleed Off Check returns: ok			
No. OF DS PERSONNEL ON JOB		STEM1 DONE? YES X NO		TOTAL LOST TIME		H		TOTAL OPERATING TIME		7 1/4 H	
SUP <input type="checkbox"/>		S.S. <input type="checkbox"/>		F.E. <input type="checkbox"/>		HEL <input type="checkbox"/>		CUSTOMER COMMENTS		DS REPRESENTATIVE	
MECH <input type="checkbox"/>		F.E. <input type="checkbox"/>		HEL <input type="checkbox"/>						R. Beresford/ P. Kosarek	
QUALITY OF SERVICE		GOOD <input checked="" type="checkbox"/>		SATISFACTORY <input type="checkbox"/>		POOR <input type="checkbox"/>				CUSTOMER REPRESENTATIVE	
										B. Webb/ W. Westman	

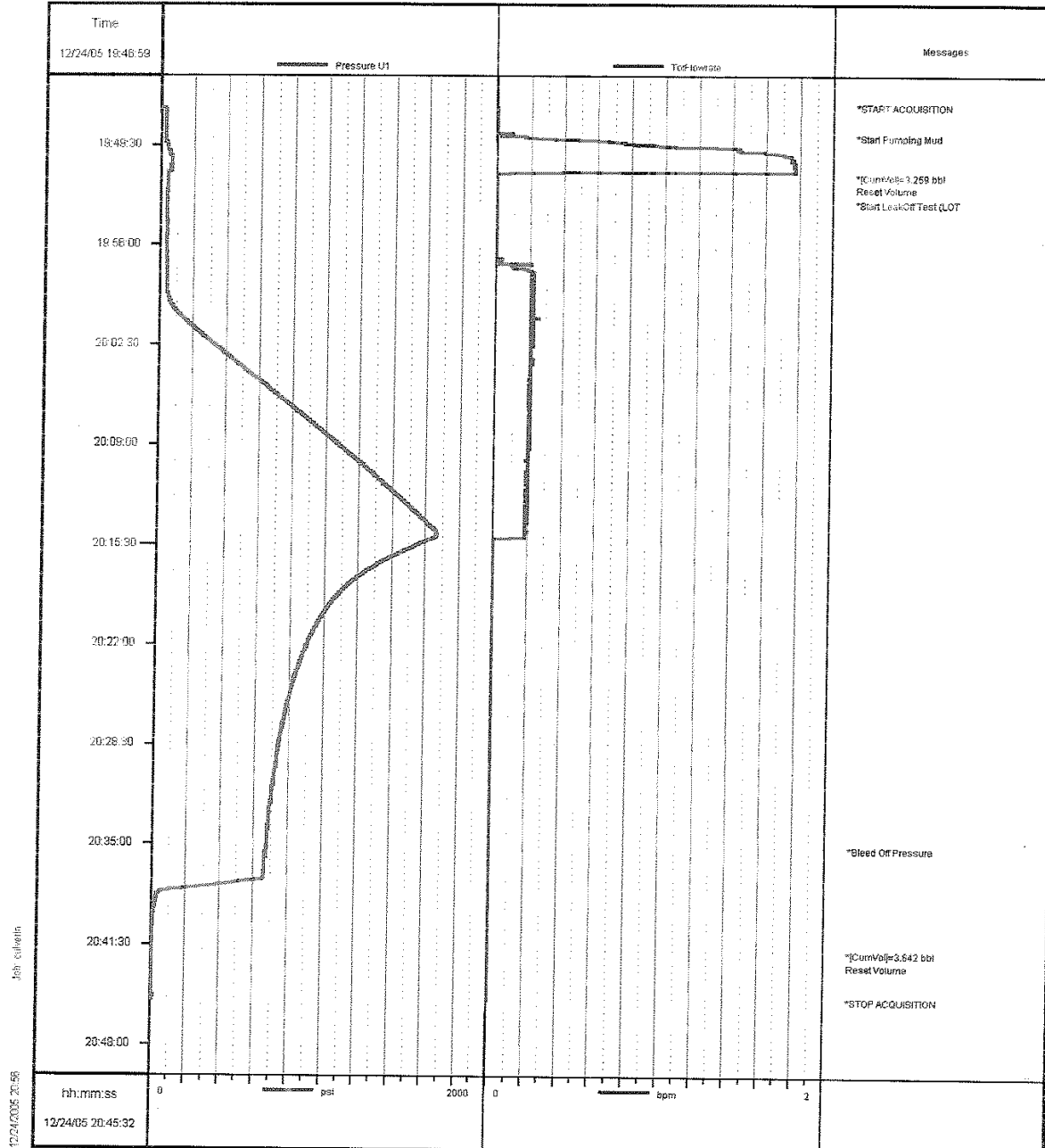
Well	Culverin 1	Client	Nexus
Field	Gippsland Basin	SIR No.	
Engineer	Reece Beresford	Job Type	13 3/8" Casing
Country	Australia	Job Date	12-22-2005



12/22/2005 20:05:00

DISTRICT APG	STATION	TYPE SERVICE Leak Off Test (LOT)	COMPANY Nexus Energy			Schlumberger			
RIG Ocean Patriot		TYPE OF WELL Exploration		FIELD Gippsland Basin		WELL No. Culverin-1		SERVICE REPORT	
TIME AND DATE JOB STARTED 24/12/2005 19:45 hrs		TOTAL DEPTH 1528m		SIZE HOLE 12 1/4		DEVIATION		BHST	
TIME & DATE JOB COMPLETED 24/12/2005 20:45 hrs		DRILL FLUID WBM Type		10.0 ppg Wt.		Vis		FORMATION Gippsland Limestone	
Size		Depth		Type		Wt.		Volume	
Completion		Casing		Allowable Press.		Collar at		Previous Casing	
Size		Depth		Type		Wt.		Seabed TOP	
Packer @		top		Shoe Depth		Type		1525m Bottom	
Type		Depth		Type		Depth		13 3/8" Size	
SHOE		COLLAR		PLUGS		CENT.		CEMENT HEAD	
Float Stab		Float Stab		Top Bottom		Qty Type		Time - Min	
WASH		SPACER		MUD CIRCULATION PRIOR TO JOB		Vol. BBLs		Press - PSI	
Wt.		Vol. BBLs		Fill		Wt.		Vol. BBLs	
EQUIPMENT		LAS LPJ		Pump Unit		Batch Mixer		Compressor RCM	
DURING JOB WAS PIPE		Rotated		Reciprocated		PARAMETERS RECORDED:		ON: Tri-Scan Recorder	
Press		Rate		Vol		Dty		MUD RETURNS LOST DURING JOB BBLs	
MATERIALS USED		WBM		NO					
TIME		PRESSURE		VOLUME		LT		RECORD OF SERVICE	
Low		High		BBL		BPM		MIN	
19:45				3.3		1.5		Pump 10.0 ppg WBM mud ahead to break circulation	
19:54		1662		3.6		0.22		Start LeakOff Test (LOT)	
20:35								Bleed off. Check returns - full returns	
20:45								End of LOT	
No. of DS PERSONNEL ON JOB		STEM1 DONE?		YES X NO		TOTAL LOST TIME		H	
SUP		S.S		1		TOTAL OPERATING TIME		1 H	
MECH		F.E		1		CUSTOMER COMMENTS		DS REPRESENTATIVE	
QUALITY OF SERVICE		GOOD		SATISFACTORY		POOR		R. Bejesford / P. Kosarek	
								CUSTOMER REPRESENTATIVE	
								R. King / B. Webb	

Well	Culverin1	Client	Nexus Exploration
Field		SIR No.	
Country	Australia	Job Date	24/12/2005 19:46:59



DISTRICT APG		STATION Plug and Abandon 1,2		TYPE SERVICE Plug and Abandon 1,2		COMPANY Nexus Energy		Schlumberger					
RIG Ocean Patriot		TYPE OF WELL Exploration		FIELD Gippsland Basin		WELL No. Culverin-1							
TIME AND DATE JOB STARTED 09/01/2006 05:16 hrs		TOTAL DEPTH 12 1/4		SIZE HOLE 12 1/4		DEVIATION 		BMST 		BMCT 		INVOICE NUMBER 	
TIME & DATE JOB COMPLETED 09/01/2006 11:41 hrs		DRILL FLUID WBM Type 		10.0 ppg Wt 		Vis 		FORMATION Gippsland Limestone		SIR NUMBER 			
Size		Depth		Type		Wt		Volume		Allowable Press.		Casing st	
Size		Depth		Type		Wt		Packer @		top		Shoe Depth	
SHOE		COLLAR		PLUGS		CENT.		CEMENT HEAD		MUD CIRCULATION PRIOR TO JOB			
WASH		First Stage		Top		Bottom		Qty		Type		Time - Min.	
Wt		Vol. BBLs		FIR		Wt		Vol. BBLs		FIR		Time - Min.	
LAB		Pump Unit		Batch Mixer		Compressor		Pump Unit B/No		DURING JOB WAS PIPE		PARAMETERS RECORDED	
LPI		Pump Unit		Batch Mixer		Compressor		Pump Unit B/No		Rotagrip		CN:	
Plug # 1		Plug # 2		MATERIALS USED		D047 Antifoam = 6 gals		D145A Dispersant = 57 gals		D193 Fluid Loss = 424 gals		D110 Retarder = 4 gals	
HTB + 0.01ggs D047 + 0.095ggs D145A + 0.50ggs D193 + 0.01 ggs D110 + 5.81ggs		HTB + 0.01ggs D047 + 0.095ggs D145A + 0.50ggs D193 + 5.81ggs		Drill water @ 15.8ppg w/ 1.53c/sk yield		Drill water @ 15.8ppg w/ 1.53 c/sk yield		Drill water @ 15.8ppg w/ 1.53 c/sk yield		Drill water @ 15.8ppg w/ 1.53 c/sk yield		Drill water @ 15.8ppg w/ 1.53 c/sk yield	
TIME		PRESSURE		VOLUME		LT		RECORD OF SERVICE					
		Low		High		BBL		BPM		MIN			
05:16						5		3				Plug # 1 @ 3750m - 3660m	
05:20				1000								Pump 5bbls of water ahead	
05:26						5		3				Pressure test line to 1000psi	
05:30						102		4.7				Pump 5bbls of water ahead	
05:56						1.5		2				Mix and pump 102bbls of cement slurry @ 15.8ppg (57bbls of mix fluid)	
05:57						195		7				Pump 1.5bbls of water behind	
06:28												Displace with 195bbls of mud	
06:28												Bleed off and check return	
												CIP. End of job	
10:49						5						Plug # 2 @ 2865m - 2745m	
10:53				1000								Pump 5bbls of water	
10:56						5						Pressure test line to 1000psi	
10:59						64.3						Pump 5bbls of water	
11:17						1.5						Mix and pump 64.3bbls of cement slurry @ 15.8ppg (36bbls of mix fluid)	
11:18						75						Pump 1.5bbls of water behind	
11:39												Displace with 75bbls of mud	
11:41												Bleed off and check return	
												CIP. End of job	
NO. OF DS PERSONNEL ON JOB		STEM1 DONE?		YES X NO		TOTAL LOST TIME		H		TOTAL OPERATING TIME		Z H	
CUP		SS		F.E		MEL		CUSTOMER COMMENTS		DS REPRESENTATIVE		Edgar I. Iagao / Nori Macatangay	
QUALITY OF SERVICE		GOOD		SATISFACTORY		POOR		CUSTOMER REPRESENTATIVE		Simon Woodley		Sme	

TOTAL P.02

