WATER-BASED MUD REPORT No. 8

Date	26/09/2005	Depth/TVD	1742 m / 1742 m
Spud Date	19/09/2005	Mud Type	KCl/PHPA/Polymer
Water Depth		Activity	Drill 8-1/2" hole.

Operator : Origin Energy
Report For : Seton Porter / Bryan Webb
Well Name : Childer's Cove-1
Contractor : Century Drilling Ltd.
Report For : Ben Hale

Field/Area : PEP 154
Description : Vertical Exploration
Location : Onshore Otway Basin
M-I Well No. :

DRILLING ASSEMBLY		CASING	MUD VOLUME (bbl)	CIRCULATION DATA		
Bit Size 8.5 in HC 605s		Surface	Hole	Pump Make	National 8P-80	National 8P-80
Nozzles 14 /5x13 / 1/32"		20in @16m (16TVD)	355.5	Pump Size	6 X 8.5in	6 X 8.5in
Drill Pipe Size	Length	Intermediate	Active Pits	Pump Cap	3.027 gal/stk	3.027 gal/stk
4.5 in	1533 m	9.625in @545m (545TVD)	439.5	Pump stk/min	105@97%	103@97%
Drill Pipe Size	Length	Intermediate	Total Circulating Vol	Flow Rate	630 gal/min	
4.5 in	38 m	in @m (TVD)	795	Bottoms Up	18.6 min	3876 stk
Drill Collar Size	Length	Production or Liner	In Storage	Total Circ Time	53 min	11024 stk
6.25 in	172 m		89	Circulating Pressure	1800 psi	

MUD PROPERTIES

Sample From		Pit@24:00	Pit@11:50
Flow Line Temp	°C	53	50
Depth/TVD	m	1742/1742	1568/1568
Mud Weight	sp.gr.	1.08@40°C	1.08@40°C
Funnel Viscosity	s/qt	61	52
Rheology Temp	°C	48	40
R600/R300		77/54	58/42
R200/R100		45/32	33/22
R6/R3		8/6	8/6
PV	cP	23	16
YP	lb/100ft²	31	26
10s/10m/30m Gel	lb/100ft²	9/13/15	7/10/12
API Fluid Loss	cc/30 min	5.5	6.2
HTHP FL Temp	cc/30 min		
Cake API/HTHP	1/32"	1/	1/
Solids	%Vol	8	8
Oil/Water	%Vol	/92	/92
Sand	%Vol	0.5	0.3
MBT	lb/bbl	5	5
pH		8.7	8.7
Alkal Mud (Pm)		0.22	0.2
Pf/Mf		0.1/0.4	0.1/0.3
Chlorides	mg/l	22000	21000
Hardness Ca	mg/l	200	180
KCl	%	4.2	4
PHPA	ppb.	1.4	0.6
Sulphite	mg/l	200	0

PRODUCTS USED LAST 24 HRS

Products	Size	Amt
SODIUM BICARBONATE	25 KG BG	3
POTASSIUM CHLORIDE	25 KG BG	128
GLUTE 25	25 LT CN	1
Polyplus Powder	25 KG BG	13
DUOTEC	25 KG BG	2
POLYPAC UL	25 KG BG	35
OS-1	25 KG BG	4

SOLIDS EQUIP	Size	Hr
DFE Shaker 1	110/110/110	24
DFE Shaker 2	110/110/110	24
D-Sander		0
D-Silter		24

MUD PROPERTY SPECIFICATIONS

Weight	1.08-1.13
Viscosity	35 - 50
Filtrate	5.0 - 7.0

REMARKS AND TREATMENT

Build replacement volume. Temperature increasing. Increase PHPA concentration. Adjust LCM inventory. Erroneous viscometer readings due to PHPA additions. Dump sandtrap.

REMARKS

Drill ahead.

TIME DISTR	Last 24 Hrs	MUD VOL ACCTG	(bbl)	SOLIDS ANALYSIS (%/lb/bbl)		MUD RHEOLOGY & HYDRAULICS	
Rig Up/Service		Oil Added	0	NaCl	./ .6	np/na Values	0.512/0.477
Drilling	24	Water Added	414	KCl	1.6/ 34.1	kp/ka (lb•s^n/100ft²)	2.367/2.939
Tripping		Mud Received	0	Low Gravity	3.7/ 34.1	Bit Loss (psi / %)	517 / 28.7
Non-Productive Tim		Dumped	55	Bentonite	.2/ 1.9	Bit HHP (hhp / HSI)	190 / 3.3
		Shakers	147	Drill Solids	3.4/ 28.2	Bit Jet Vel (m/s)	77
		Formation	0	Weight Material	NA/ NA	Ann. Vel DP (m/min)	90.51
		Desilter	60	Chemical Conc	- / 4.	Ann. Vel DC (m/min)	141.81
		Desander	0	Inert/React	5.0184	Crit Vel DP (m/min)	136
				Average SG	2.4	Crit Vel DC (m/min)	162
				Carb/BiCarb (m mole/L)	2./ 19.9	ECD @ 1742 (sp.gr.)	1.18

M-I ENGR / PHONE	RIG PHONE	WAREHOUSE PHONE	DAILY COST	CUMULATIVE COST
Mike McKay	02-82118553		A$ 9,571.52	A$ 40,072.29

WELLSITE INVENTORY

DAILY REPORT

Operator : Origin Energy
Well Name : Childer's Cove-1
Location : Onshore Otway Basin

M-I Well No. :
Report No. : 8
Date : 26/09/2005

COST SUMMARY

INVENTORY

Product Name	Unit	Unit Price	Begin Invent	Recvd Today	Return Today	Used Today	Final Invent	Total Used	Daily Cost
CALCIUM CHLORIDE	25 KG BG		42	0	0	0	42	0	
CAUSTIC SODA (DRY)	25 KG DM		32	0	0	0	32	2	
CITRIC ACID	25 KG BG		29	0	0	0	29	0	
CONQOR 303A	55 GA DM		4	0	0	0	4	0	
DEFOAM A	25 LT CN		26	0	0	0	26	2	
DUOTEC	25 KG BG		63	0	0	2	61	30	
GLUTE 25	25 LT CN		17	0	0	1	16	6	
KWIK SEAL COARSE	40 LB BG		60	0	0	0	60	0	
KWIK SEAL FINE	40 LB BG		0	0	0	0	24	34	
KWIK SEAL MEDIUM	40 LB BG		39	0	0	0	48	0	
M-I BAR	25 KG BG		1183	0	0	0	1183	0	
MIX II FINE	25 LB BG		23	0	0	0	24	0	
MIX II MEDIUM	25 LB BG		40	0	0	0	40	0	
Omnycarb40	25 KG BG		40	0	0	0	40	0	
OS-1	25 KG BG		24	0	0	4	20	4	
PIPE-LAX W	55 GA DM		4	0	0	0	4	0	
POLYPAC UL	25 KG BG		99	0	0	35	64	76	
Polyplus Powder	25 KG BG		79	0	0	13	66	30	
POTASSIUM CHLORIDE	25 KG BG		562	0	0	128	434	726	
SODA ASH	25 KG BG		22	0	0	0	22	3	
SODIUM BICARBONATE	25 KG BG		26	0	0	3	23	10	
Trugel 13A	25 KG BG		144	0	0	0	144	240	