

**WATER-BASED MUD REPORT No. 3**

Date	21/09/2005	Depth/TVD	550 m / 550 m
Spud Date	19/09/2005	Mud Type	Spud mud
Water Depth		Activity	Nipple-up

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	12.25 in	Surface		Hole	Pump Make	National 8P-80	National 8P-80
Nozzles	1/32"	20in @16m (16TVD)		348.9	Pump Size	6 X 8.5in	6 X 8.5in
Drill Pipe Size	Length	Intermediate		Active Pits	Pump Cap	gal/stk	gal/stk
	m	9.625in @547m (547TVD)		.1	Pump stk/min		
Drill Pipe Size	Length	Intermediate		Total Circulating Vol	Flow Rate		gal/min
	m			.1	Bottoms Up		
Drill Collar Size	Length	Production or Liner		In Storage	Total Circ Time		
	m				Circulating Pressure		

MUD PROPERTIES		
Sample From		Pit@01:00
Flow Line Temp	°C	37
Depth/TVD	m	550/550
Mud Weight	sp.gr.	1.06@35°C
Funnel Viscosity	s/qt	43
Rheology Temp	°C	35
R600/R300		53/43
R200/R100		32/21
R6/R3		9/7
PV	cP	10
YP	lb/100ft ²	33
10s/10m/30m Gel	lb/100ft ²	10/18/33
API Fluid Loss	cc/30 min	n/c
HTHP FL Temp	cc/30 min	
Cake API/HTHP	1/32"	
Solids	%Vol	3
Oil/Water	%Vol	/97
Sand	%Vol	0.5
MBT	lb/bbl	
pH		8.5
Alkal Mud (Pm)		
Pf/Mf		
Chlorides	mg/l	
Hardness Ca	mg/l	
KCl	%	2.2

PRODUCTS USED LAST 24 HRS		
Products	Size	Amt

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

REMARKS AND TREATMENT			REMARKS		
Prior to TD add brine dilution to moderate viscosities and gels strengths for tripping, casing run and cement job. Sub-surface loss while tripping - 42 bbls; running casing - 27 bbls. Cement returns to surface. Assume all mud as dumped for accounting purposes.			Drill to TD at 550 m. Circulate hole clean. Wiper trip. Fill 5 m. circulate with large blocky slough returns. POOH. Run and set 9-5/8" casing at 547 m. No fill. Work casing through tight hole from 203 - 239 m. (Gellibrand Marl top at 213 m.). Displace cement with drillwater.		

TIME DISTR	Last 24 Hrs	MUD VOL ACCTG (bbl)	SOLIDS ANALYSIS (%/lb/bbl)	MUD RHEOLOGY & HYDRAULICS		
Rig Up/Service	2	Oil Added	0	NaCl	np/na Values	
Drilling	0.5	Water Added	0	KCl	kp/ka (lb•s ⁿ /100ft ²)	
Tripping	7	Mud Received	0	Low Gravity	4.3/ 39.	Bit Loss (psi / %)
Non-Productive Tim		Dumped	743	Bentonite	./.	Bit HHP (hhp / HSI)
Condition Hole	4.5	Shakers	10	Drill Solids	5.2/ 43.6	Bit Jet Vel (m/s)
Running Casing	9	Formation	69	Weight Material	NA/ NA	Ann. Vel DP (m/min)
Cementing	1	Desilter	18	Chemical Conc	- / .2	Ann. Vel DC (m/min)
		Desander	8	Inert/React	-	Crit Vel DP (m/min)
				Average SG	2.4	Crit Vel DC (m/min)
				Carb/BitCarb (m mole/L)	./ -1	

M-I ENGR / PHONE	RIG PHONE	WAREHOUSE PHONE	DAILY COST	CUMULATIVE COST
Mike McKay	02-82118553		A\$ 0.00	A\$ 5,849.15



WELLSITE INVENTORY

DAILY REPORT

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

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Report No. : 3
Date : 21/09/2005

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		28	0	0	0	28	0	
DUOTEC	25 KG BG		35	0	0	0	35	0	
GLUTE 25	25 LT CN		22	0	0	0	22	0	
KWIK SEAL COARSE	40 LB BG		60	0	0	0	60	0	
KWIK SEAL FINE	40 LB BG		34	0	0	0	34	0	
KWIK SEAL MEDIUM	40 LB BG		39	0	0	0	39	0	
M-I BAR	25 KG BG		920	0	0	0	920	0	
MIX II FINE	25 LB BG		23	0	0	0	23	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	0	24	0	
PIPE-LAX W	55 GA DM		4	0	0	0	4	0	
POLYPAC UL	25 KG BG		84	0	0	0	84	0	
Polyplus Powder	25 KG BG		66	0	0	0	66	0	
POTASSIUM CHLORIDE	25 KG BG		477	0	0	0	477	203	
SODA ASH	25 KG BG		22	0	0	0	22	3	
SODIUM BICARBONATE	25 KG BG		33	0	0	0	33	0	
Trugel 13A	25 KG BG		144	0	0	0	144	240	