WATER-BASED MUD REPORT No. 9

Date	27/09/2005	Depth/TVD	2058 m / 2058 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)	421.6	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	1849 m	9.625in @545m (545TVD)	454.4	Pump stk/min	91@97%	92@97%
Drill Pipe Size	Length	Intermediate	Total Circulating Vol	Flow Rate	554 gal/min	
4.5 in	38 m	in @m (TVD)	876	Bottoms Up	25.1 min	4592 stk
Drill Collar Size	Length	Production or Liner	In Storage	Total Circ Time	66.4 min	12153 stk
6.25 in	172 m		9	Circulating Pressure	2100 psi	

MUD PROPERTIES

Sample From		Pit@24:00	Pit@15:00
Flow Line Temp	°C	56	54
Depth/TVD	m	2058/2058	1943/1943
Mud Weight	sp.gr.	1.09@45°C	1.09@45°C
Funnel Viscosity	s/qt	65	77
Rheology Temp	°C	48	48
R600/R300		85/60	84/59
R200/R100		47/33	45/32
R6/R3		7/5	7/5
PV	cP	25	25
YP	lb/100ft²	35	34
10s/10m/30m Gel	lb/100ft²	7/10/13	7/10/12
API Fluid Loss	cc/30 min	5.1	5.5
HTHP FL Temp	cc/30 min		
Cake API/HTHP	1/32"	1/	1/
Solids	%Vol	10	10
Oil/Water	%Vol	/90	/90
Sand	%Vol	0.75	0.5
MBT	lb/bbl	7.5	7.5
pH		8.8	8.7
Alkal Mud (Pm)		0.3	0.2
Pf/Mf		0.1/0.4	0.1/0.4
Chlorides	mg/l	22000	22000
Hardness Ca	mg/l	420	400
KCl	%	4	4
PHPA	ppb.	1.5	1.5
Sulphite	mg/l	180	80

PRODUCTS USED LAST 24 HRS

Products	Size	Amt
SODIUM BICARBONATE	25 KG BG	5
POTASSIUM CHLORIDE	25 KG BG	196
GLUTE 25	25 LT CN	1
Polyplus Powder	25 KG BG	15
DUOTEC	25 KG BG	7
POLYPAC UL	25 KG BG	43
OS-1	25 KG BG	5

SOLIDS EQUIP	Size	Hr
DFE Shaker 1	140/140/110	24
DFE Shaker 2	140/140/110	24
D-Sander		2
D-Silter		15

MUD PROPERTY SPECIFICATIONS

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

REMARKS AND TREATMENT

Build replacement mud with recycled sump fluid. Increase PHPA concentration. Losses at shakers. Erroneous viscometer readings and funnel viscosity due to PHPA additions. Order material.

REMARKS

Drill ahead. Constantly change split shaker screens. Losses at shakers. Solids to mud pits - dump sandtrap regularly.

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	0.503/0.538
Drilling	24	Water Added	600	KCl	1.6/ 14.7	kp/ka (lb•s^n/100ft²)	2.788/2.218
Tripping		Mud Received	0	Low Gravity	4.5/ 40.7	Bit Loss (psi / %)	403 / 19.2
Non-Productive Tim		Dumped	150	Bentonite	.4/ 3.8	Bit HHP (hhp / HSI)	130 / 2.3
		Shakers	387	Drill Solids	3.9/ 32.9	Bit Jet Vel (m/s)	68
		Formation	0	Weight Material	NA/ NA	Ann. Vel DP (m/min)	79.59
		Desilter	60	Chemical Conc	- / 4.	Ann. Vel DC (m/min)	124.71
		Desander	25	Inert/React	3.897	Crit Vel DP (m/min)	136
				Average SG	2.4	Crit Vel DC (m/min)	168
				Carb/BiCarb (m mole/L)	2./ 15.8	ECD @ 2058 (sp.gr.)	1.19

M-I ENGR / PHONE	RIG PHONE	WAREHOUSE PHONE	DAILY COST	CUMULATIVE COST
Mike McKay	02-82118553		A$ 13,574.29	A$ 53,646.58

WELLSITE INVENTORY

DAILY REPORT

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

M-I Well No. :
Report No. : 9
Date : 27/09/2005

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		61	0	0	7	54	37	
GLUTE 25	25 LT CN		16	0	0	1	15	7	
KWIK SEAL COARSE	40 LB BG		60	0	0	0	60	0	
KWIK SEAL FINE	40 LB BG		24	0	0	0	24	34	
KWIK SEAL MEDIUM	40 LB BG		48	0	0	0	48	0	
M-I BAR	25 KG BG		1183	0	0	0	1183	0	
MIX II FINE	25 LB BG		24	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		20	0	0	5	15	9	
PIPE-LAX W	55 GA DM		4	0	0	0	4	0	
POLYPAC UL	25 KG BG		64	0	0	43	21	119	
Polyplus Powder	25 KG BG		66	0	0	15	51	45	
POTASSIUM CHLORIDE	25 KG BG		434	0	0	196	238	922	
SODA ASH	25 KG BG		22	0	0	0	22	3	
SODIUM BICARBONATE	25 KG BG		23	0	0	5	18	15	
Trugel 13A	25 KG BG		144	0	0	0	144	240	