# WATER-BASED MUD REPORT No. 17

| | | | |
|---|---|---|---|
| Date | 05/10/2005 | Depth/TVD | 2658 m / 2658 m |
| Spud Date | 19/09/2005 | Mud Type | KCl/PHPA/Polymer |
| Water Depth | | Activity | P&A Final DMR |

**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 | | Surface | Hole | Pump Make | National 8P-80 | National 8P-80 |
| Nozzles 1/32" | | 20in @16m (16TVD) | 617.5 | Pump Size | 6 X 8.5in | 6 X 8.5in |
| Drill Pipe Size | Length | Intermediate | Active Pits | Pump Cap | gal/stk | gal/stk |
| in | m | 9.625in @545m (545TVD) | -.5 | Pump stk/min | | |
| Drill Pipe Size | Length | Intermediate | Total Circulating Vol | Flow Rate | gal/min | |
| in | m | in @2545m (2545TVD) | -.5 | Bottoms Up | | |
| Drill Collar Size | Length | Production or Liner | In Storage | Total Circ Time | | |
| in | m | | | Circulating Pressure | | |

## MUD PROPERTIES

| | | | |
|---|---|---|---|
| Sample From | | | |
| Flow Line Temp | °C | | |
| Depth/TVD | m | | |
| Mud Weight | sp.gr. | | |
| Funnel Viscosity | s/qt | | |
| Rheology Temp | °C | | |
| R600/R300 | | | |
| R200/R100 | | | |
| R6/R3 | | | |
| PV | cP | | |
| YP | lb/100ft² | | |
| 10s/10m/30m Gel | lb/100ft² | | |
| API Fluid Loss | cc/30 min | | |
| HTHP FL Temp | cc/30 min | | |
| Cake API/HTHP | 1/32" | | |
| Solids | %Vol | | |
| Oil/Water | %Vol | | |
| Sand | %Vol | | |
| MBT | lb/bbl | | |
| pH | | | |
| Alkal Mud (Pm) | | | |
| Pf/Mf | | | |
| Chlorides | mg/l | | |
| Hardness Ca | mg/l | | |
| | | | |
| KCl | % | | |
| PHPA | ppb. | | |
| Sulphite | mg/l | | |

## PRODUCTS USED LAST 24 HRS

| Products | Size | Amt |
|---|---|---|
| M-I BAR | 25 KG BG | 13 |

| SOLIDS EQUIP | Size | Hr |
|---|---|---|
| DFE Shaker 1 | 140/140/110 | 0 |
| DFE Shaker 2 | 175/175/175 | 0 |
| D-Sander | | 0 |
| D-Silter | | 0 |

## MUD PROPERTY SPECIFICATIONS

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

## REMARKS AND TREATMENT

Assume all mud as dumped (317 bbls.) or left-in-hole (507 bbls.).

## REMARKS

E-log. RIH with stinger. Circulate b/u - no caving returns. Plug and abandon.

| TIME DISTR | Last 24 Hrs | MUD VOL ACCTG | (bbl) | SOLIDS ANALYSIS (%/lb/bbl) | | MUD RHEOLOGY & HYDRAULICS | |
|---|---|---|---|---|---|---|---|
| Rig Up/Service | | Oil Added | 0 | NaCl | / | np/na Values | |
| Drilling | | Water Added | 0 | KCl | / | kp/ka (lb•s^n/100ft²) | |
| Tripping | | Mud Received | 0 | Low Gravity | / | Bit Loss (psi / %) | |
| Non-Productive Tim | | Shakers | 0 | Bentonite | / | Bit HHP (hhp / HSI) | |
| Condition Hole | | Formation | 0 | Drill Solids | / | Bit Jet Vel (m/s) | |
| Wireline Logs | 7 | Desilter | 0 | Weight Material | / | Ann. Vel DP (m/min) | |
| Plug and Abandon | 17 | Desander | 0 | Chemical Conc | - / | Ann. Vel DC (m/min) | |
| | | Dumped | 317 | Inert/React | | Crit Vel DP (m/min) | |
| | | Left in Hole | 507 | Average SG | | Crit Vel DC (m/min) | |
| | | | | Carb/BiCarb (m mole/L) | / | | |

| M-I ENGR / PHONE | RIG PHONE | WAREHOUSE PHONE | DAILY COST | CUMULATIVE COST |
|---|---|---|---|---|
| Mike McKay | 02-82118553 | | A$ 101.92 | A$ 76,147.78 |

# WELLSITE INVENTORY

## DAILY REPORT

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

**M-I Well No. :**
**Report No. :** 17
**Date :** 05/10/2005

## 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 | | 28 | 0 | 0 | 0 | 28 | 6 | |
| 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 | | 38 | 0 | 0 | 0 | 38 | 53 | |
| GLUTE 25 | 25 LT CN | | 5 | 0 | 0 | 0 | 5 | 17 | |
| 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 | | 678 | 0 | 0 | 13 | 665 | 518 | |
| 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 | | 3 | 0 | 0 | 0 | 3 | 21 | |
| PIPE-LAX W | 55 GA DM | | 4 | 0 | 0 | 0 | 4 | 0 | |
| POLYPAC UL | 25 KG BG | | 96 | 0 | 0 | 0 | 96 | 156 | |
| Polyplus Powder | 25 KG BG | | 42 | 0 | 0 | 0 | 42 | 54 | |
| POTASSIUM CHLORIDE | 25 KG BG | | 73 | 0 | 0 | 0 | 73 | 1247 | |
| SODA ASH | 25 KG BG | | 22 | 0 | 0 | 0 | 22 | 3 | |
| SODIUM BICARBONATE | 25 KG BG | | 13 | 0 | 0 | 0 | 13 | 20 | |
| Trugel 13A | 25 KG BG | | 144 | 0 | 0 | 0 | 144 | 240 | |