



DRILLING FLUID REPORT

| | | | |
|----------|------|--------|-------------|
| Report # | 33 | Date : | 3-Jul-2007 |
| Rig No | 11 | Spud : | 1-Jun-2007 |
| Depth | 1887 | to | 1887 Metres |

| | | | |
|--|--|--|------------------------------------|
| OPERATOR Petro Tech Pty Ltd | | CONTRACTOR Century Drilling Limited | |
| REPORT FOR Dave Hair | | REPORT FOR Cesar Miaco | |
| WELL NAME AND No Boola Boola#2 | | FIELD PEP 166 | LOCATION Gippsland Basin |
| | | STATE Victoria | |

| DRILLING ASSEMBLY | | JET SIZE | | CASING | | MUD VOLUME (BBL) | | CIRCULATION DATA | | | |
|---------------------------------|------------------|---------------------|----|--|--|-------------------------------|------|-----------------------------|---------------------|--------------------------------|-----------|
| BIT SIZE 8.50 | TYPE Rock-217 | 12 | 12 | 13 3/8 | SURFACE SET @ 49 ft 15 M | HOLE 413 | PITS | PUMP SIZE 5.5 X 7 Inches | | CIRCULATION PRESS (PSI) psi | |
| DRILL PIPE SIZE 4.5 | TYPE 16.6 # | Length 1840 Mtrs | | 9 5/8 | INTERMEDIATE SET @ 1870 ft 570 M | TOTAL CIRCULATING VOL. 413 | | PUMP MODEL GD-PZ-7 | ASSUMED EFF 97 % | BOTTOMS UP (min) min | |
| DRILL PIPE SIZE 4.50 | TYPE HW | Length 37 Mtrs | | PRODUCTION, or LINER Set @ ft M | | IN STORAGE | | BBL/STK 0.0499 | STK /MIN | TOTAL CIRC. TIME (min) min | |
| DRILL COLLAR SIZE (") 6.25 | | Length 8.00 | | MUD TYPE 10 Mtrs Gel/KCl/Polymer | | | | BBL/MIN | GAL /MIN | ANN VEL. (ft/min) | DP DCs |

| SAMPLE FROM | | MUD PROPERTIES | | MUD PROPERTY SPECIFICATIONS | | | | |
|--|--|----------------|---------|--|------------|--------------|------------|---------------|
| TIME SAMPLE TAKEN | | Suction | Suction | Mud Weight | 8.6 - 9.1 | API Filtrate | 8.0 - 15.0 | HPHT Filtrate |
| DEPTH (ft) - (m) | | | | Plastic Vis | ALAP | Yield Point | 4.0 - 10.0 | pH |
| FLOWLINE TEMPERATURE | | | | KCl | 1.0 - 2.0% | PHPA | | Sulphites |
| WEIGHT | | | | OBSERVATIONS | | | | |
| FUNNEL VISCOSITY (sec/qt) API @ | | | | Mud used for cement displacement. All tanks dumped and cleaned. | | | | |
| PLASTIC VISCOSITY cP @ | | | | | | | | |
| YIELD POINT (lb/100ft ²) | | | | | | | | |
| GEL STRENGTHS (lb/100ft ²) 10 sec/10 min | | | | | | | | |
| RHEOLOGY @ 600 / @ 300 | | | | | | | | |
| RHEOLOGY @ 200 / @ 100 | | | | | | | | |
| RHEOLOGY @ 6 / @ 3 | | | | | | | | |
| FILTRATE API (cc's/30 min) | | | | | | | | |
| HPHT FILTRATE (cc's/30 min) @ | | | | | | | | |
| CAKE THICKNESS API : HPHT (32nd in) | | | | | | | | |
| SOLIDS CONTENT (% by Volume) | | 4.8 | 4.8 | | | | | |
| LIQUID CONTENT (% by Volume) OIL/WATER | | | | OPERATIONS SUMMARY | | | | |
| SAND CONTENT (% by Vol.) | | | | Complete wireline logging. Conduct P & A cement job. Lay out drill pipe. | | | | |
| METHYLENE BLUE CAPACITY (ppb equiv.) | | | | | | | | |
| pH | | | | | | | | |
| ALKALINITY MUD (Pm) | | | | | | | | |
| ALKALINITY FILTRATE (Pf / Mf) | | | | | | | | |
| CHLORIDE (mg/L) | | | | | | | | |
| TOTAL HARDNESS AS CALCIUM (mg/L) | | | | | | | | |
| SULPHITE (mg/L) | | | | | | | | |
| K+ (mg/L) | | | | | | | | |
| KCl (% by Wt.) | | | | | | | | |
| PHPA (ppb) | | | | | | | | |

| Mud Accounting (bbls) | | | | Solids Control Equipment | | | | | | | |
|---------------------------|--|----------------|-----|--------------------------|-----|----------------|--------|-----------------|-----|-------------------|---------|
| FLUID BUILT & RECEIVED | | FLUID DISPOSED | | SUMMARY | | Type | Hrs | Cones | Hrs | Size | Hrs |
| Premix (drill water) | | Desander | | INITIAL VOLUME | 813 | Centrifuge | | Desander | 2 | Shaker #1 | 3 x 210 |
| Premix (recirc from sump) | | Desilter | | | | Degasser | Poorbo | Desilter | 12 | Shaker #2 | 3 x 210 |
| Drill Water | | Downhole | | + FLUID RECEIVED | | | | | | | |
| Direct Recirc Sump | | Dumped | 400 | - FLUID LOST | 400 | | | | | | |
| Other (eg Diesel) | | Other | | + FLUID IN STORAGE | | | | | | | |
| TOTAL RECEIVED | | TOTAL LOST | | FINAL VOLUME | 413 | Overflow (ppg) | | Underflow (ppg) | | Output (Gal/Min.) | |
| | | | | | | Desander | | 0 | | | |
| | | | | | | Desilter | | 0 | | | |

| Product | Price | Start | Received | Used | Close | Cost | Solids Analysis | | Bit Hydraulics & Pressure Data | | | |
|---------|-------|-------|----------|------|-------|------|-------------------|-----|--------------------------------|-----------------------|-----------|--|
| | | | | | | | % | PPB | Jet Velocity | | | |
| | | | | | | | High Grav solids | 4.8 | 71.11 | Impact force | | |
| | | | | | | | Total LGS | | | HHP | | |
| | | | | | | | Bentonite | | | HSI | | |
| | | | | | | | Drilled Solids | | | Bit Press Loss | | |
| | | | | | | | Salt | | | CSG Seat Frac Press | 500 psi | |
| | | | | | | | n @ Hrs | | | Equiv. Mud Wt. | 14.20 ppg | |
| | | | | | | | K @ Hrs | | | ECD | | |
| | | | | | | | | | | Max Pressure @ Shoe : | #VALUE! | |
| | | | | | | | DAILY COST | | CUMULATIVE COST | | | |
| | | | | | | | | | \$57,312.70 | | | |

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