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| <p><b>Status:</b> suspended</p> <p><b>Hole Size:</b> 8½" to 8.5m<br/>6" to 72.0m<br/>CHD101 to 616m</p> <p><b>Casing &amp; Tubing Details:</b> 7" to 8.5m<br/>5" to 69.5m</p> <p><b>Perforations:</b> Nil</p> <p><b>Plugs:</b> Nil</p> | <p><b>Operator:</b> Pacific Oil &amp; Gas Pty Limited</p> <p><b>Participants:</b> Pacific Oil &amp; Gas Pty Limited</p> <p><b>Tenement:</b> EP5</p> <p><b>Location:</b> Lat 15°04'15" S<br/>Long: 133°45'25" N</p> <p><b>Basin:</b> AMG: 366300 mE 8334500 mN<br/>McArthur</p> <p><b>Elevation:</b> 130m AMSL</p> <p><b>Spudded:</b> 07/07/91</p> <p><b>Rig Released:</b> 25/07/91</p> <p><b>Rig:</b> 23</p> <p><b>Drilling Contractor:</b> Rockdril Contractors</p> |
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**Stratigraphy:**

| Age                              | Unit and Subunit              | KB (m)  | MSL (m) | Thickness (m) |
|----------------------------------|-------------------------------|---------|---------|---------------|
| Proterozoic                      | McMinn Formation              |         |         |               |
|                                  | - Bukalorkmi Sandstone Member | Surface | 130     | 20.0          |
|                                  | - Kyalla Member               | 20      | 110     | 225.0         |
|                                  | - Moroak Sandstone Member     | 245.4   | -115.4  | 39.47         |
|                                  | Velkerri Formation            |         |         |               |
|                                  | - Upper                       | 284.9   | -154.9  | 184.01        |
|                                  | - Middle                      | 468.9   | -338.9  | 140.1         |
| - Lower                          | 609.0                         | -479    | 7.0     |               |
| <b>Total Depth (Driller) (m)</b> |                               | 616     | -486    |               |
| <b>Total Depth (Logger) (m)</b>  |                               | 616     | -486    |               |

**Formation Tests:**

Choke:

| TEST | TIMES (min) |     |   |     | PRESSURES (psi) |     |     |    |     |     |     |     | RESULT |
|------|-------------|-----|---|-----|-----------------|-----|-----|----|-----|-----|-----|-----|--------|
|      | PF          | FSI | F | SSI | IHH             | IPP | FPP | BP | IFP | FFP | FBP | FHH |        |
|      |             |     |   |     |                 |     |     |    |     |     |     |     |        |

PF : Preflow Period

FSI : First Sheet In

F : Flow Period

SSI : Second Sheet In

IHH : Initial Hydrostatic Head

IPP : Initial Preflow Pressure

FPP : Final Preflow Pressure

BP : Build Up Pressure

IFP : Initial Flow Pressure

FFP : Final Flow Pressure

FBP : Final Build Up Pressure

FHH : Hydrostatic Head

LOGS:

CORES:

| Type Log                        | Run No | Interval (m) | Date     | No | Interval (m) | Recovery | No | Interval (m) | Recovery |
|---------------------------------|--------|--------------|----------|----|--------------|----------|----|--------------|----------|
| S.P.,<br>Dual Resistivity       | 1      | 616-70       | 25/07/91 |    |              |          |    |              |          |
| Sonic, Caliper                  | 2      | 616-60       | 25/07/91 |    |              |          |    |              |          |
| Gamma, Density,<br>Porosity Log | 3/4    | 616-Surface  | 25/07/91 |    |              |          |    |              |          |

Hole continuously cored from  
72.0m-616.0m (GL)

Chemical Analysis (water, oil, gas)

REFER DPO'S

Source Rock Analysis

68153

Reservoir Analysis

77701

**Summary & Conclusions:**

Drilling operations commenced at Shea 1 on July 11, 1991 with the drilling of 8½" hole to 8.5m in which a 7" conductor was cemented. A 6" hole was rotary mud drilled to 72m and 5" casing was run in and cemented. The hole was then continuously cored (CHD101) to the T.D. of 616m. S.P., Dual Resistivity, Gamma Ray, Bulk Density, Neutron Porosity, Caliper and Sonic Logs were run from 616m to the 5 inch casing shoe. The well was subsequently suspended prior to a testing programme carried out by the CSIRO.

The well spudded in the Proterozoic Bukalorkmi Member of the McMinn Formation, followed by the Kyalla and Moroak Sandstone Members also of the McMinn Formation. The "upper" Velkerri Formation was drilled prior to the zone of interest, the "middle" Velkerri Formation being intersected. The well was terminated at 616m when confident identification of the "lower" Velkerri Formation was possible.

Rehabilitation of the site and access tracks was post-poned and the well was suspended, retaining the option to re-enter the well during the 1992 field season. It is planned to plug and abandon the well at the close of the 1992 field season.

WELLSITE Shane Hibbird  
GEOLOGIST : John Torkington

CARD PREPARED  
BY : Shane Hibbird

APPROVED  
BY :

DATE: