



30 September 2005

Manager Petroleum Operations, Safety and Environment  
Minerals and Petroleum Division  
Department of Primary Industry  
1 Spring Street  
MELBOURNE VIC 3000

Attention: Mr Terry McKinley

Dear Mr McKinley

**Application to Plug and Abandon Childers Cove 1, Exploration Well in PEP154**

Origin Energy Resources Limited, as operator of PEP 154, advises that Childers Cove 1 reached a depth of 2536 metres on September 30 and wireline logs have been acquired. The evaluation of cuttings samples, mud log data and wireline logs indicates that the target Waarre Formation is water bearing and poor reservoir quality at this location. OERL therefore requests approval to plug and abandon Childers Cove 1.

The following information is attached with respect to the proposed operations:

**Abandonment Programme - Childers Cove 1**

Plug No.	Formation (Top)	Depth	Sacks of Cement
6	Surface	Surface to 10 m	15
5** ** test for position	Surface Casing Shoe (544.5m) /Gellibrand Marl	515 m to 575 m	70
4	Pebble Point Fm (1225m)	1195 m to 1255 m	70
3	Paaratte Fm (1287m)	1260 m to 1320 m	70
2	Nullawarre Greensand (1919.5 m)	1890 m to 1950 m	70
1	Flaxman / Waarre Fm (2335 m)	2305 m to 2365 m	70

Note - Formation tops are mudlog picks. Cement quantity to be calculated from caliper log. A P&A schematic is attached.

Following the setting of the P&A plugs the surface casing will be cut approximately 1 metre below Ground Level and a plate welded onto the casing stub. Rehabilitation in accordance with the landowner requirements, including but not limited to the removal or retention of sheeting material and adequate topsoil depth, will be undertaken as soon as possible. The timing of the rehabilitation will be dependent on weather conditions and will most likely be in the coming summer.

Please contact myself on (07) 3858 0622 to discuss the details of this letter or any matters pertaining to our operations.

Yours faithfully,  
**Origin Energy Resources Limited**



Dave Jones  
Manager, Conventional Drilling

Attached: Childers Cove 1 P&A graphic

# Childers Cove 1 P&A Programme

Bradenhead removed & plate welded over casing  
Well name, TD & spud date noted on well sign on pipe

15 sacks of "G", neat

**10m surface cement plug**

244 mm (9 5/8") Surface Casing at 544.5m

70 sacks of "G", neat

**Plug No. 5: 515 – 575m**

70 sacks of "G", neat

Pebble Point

**Plug No. 4: 1195 – 1255m**

70 sacks of "G", neat

Paaratte

**Plug No. 3: 1260 – 1320m**

70 sacks of "G", neat

Nullawarre

**Plug No. 2: 1890 – 1950m**

70 sacks of "G", neat

Flaxman/  
Waarre

**Plug No. 1: 2305 – 2365m**

TD 2536m Childers Cove 1

