ORIGIN ENERGY RESOURCES LIMITED

DUNBAR 1/DW1 - COMPOSITE LOG

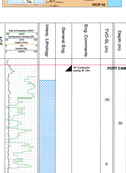
Operator:	Origin Energy Resources Ltd.
Partners:	100.00% Origin Energy Resources Ltd.
Datum:	GDA 94
Longitude:	127°46'29.1"E
Latitude:	16°52'15.71"S
Easting:	485.74
Northing:	8133647.00 mN
Spudding:	04/07/2.2004
Area:	Ottway Basin - Nicholls
Basin:	Ottway
Permit/ Location:	PEP 155
Depth (m/tr):	Measure Of Datums Survey (1993)
Elevations:	RT: 17.2m AHD
Total Depth Drillers (mRT):	1410.0m
Total Depth Loggers (mRT):	1410.4m
Bottom Hole Temperature (°C):	60
Spud Date:	7 March 2005 (1535hrs)
Rig Released:	24 March 2005 (0730hrs)
Completion Status:	Completed as a gas producer - 1
Rig:	106 Rig 30
Well Site Geologists:	Greg Gould

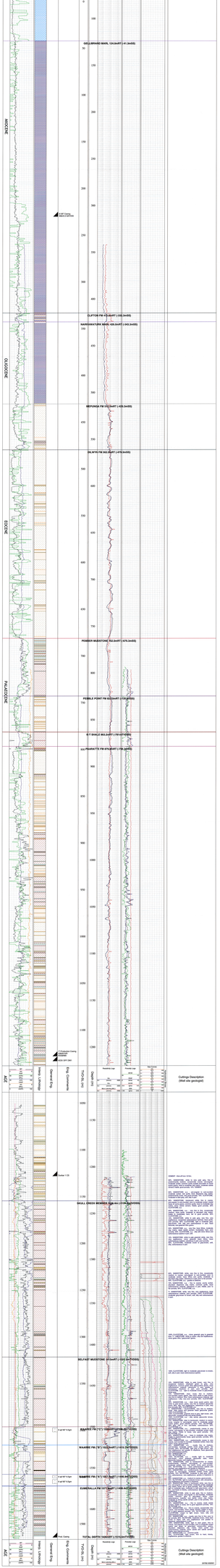
SUMMARY:

COMMENTS:

Dunbar-1 DW1 was drilled as a development well in PPL 6, 8 km north-west of Port Campbell in the onshore Otway Basin. The primary objective for the well was to establish the gas potential of an Upper Cretaceous Waarre Formation (Unit 'A' sand) up-dip of the Dunbar-1 field. The well was directionally drilled from immediately below the existing 7" casing shoe in Dunbar-1 which is about 125m to the south-east of the target Waarre Unit 'A' sand reservoir. Dunbar-1 DW1 was drilled to a total depth of 1410m in Campbell embayment stratigraphic sequence. The primary objectives, the Waarre Unit 'C' & 'A' sandstone were intersected 5.8 and 3.4 metres true to prognosis respectively. Dunbar-1 DW1 encountered 3.4 metres of net gas pay in the Waarre Unit 'A' sand. The gas-water contact in Dunbar-1 was drilled just 3m (TVD SS) and 2.4 metres deviated hole was then drilled to a total depth of 1636.8 mMD (mRT) (1409m TVD SS). Total depth was reached on 23 March 2005. Both the Waarre Unit 'C' and Unit 'A' sandstones were intersected with good gas shows and wireline logs indicate a gas-water contact in the Unit 'C' sand at a true vertical depth of 1406m (-1408.2m subsea).

The gas-water contact in the Unit 'A' sand was not encountered. After logging and evaluation, the well was cased (7mm) to 1424.5m and the rig released on 24 March 2005. The completion rig, Rig 106, moved back to Dunbar-1 on 28 March 2005 to run the 3½" tubing choke. The well was subsequently completed as a gas producer from the Waarre 'A' sand.



Prepared by: Bronwyn Carlisle

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