

BHP OIL & GAS DIVISION
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EXPLORATION FILES

CORE DESCRIPTION

Core No. 3

BASIC DATA

WELL: PELICAN-3

Interval Cored 9460 - 9521 ft., Cut 61 ft., Recovered 61 ft., (100 %) Fr. Eastern Vic.

Bit Type CHRISTENSEN C-20, Bit Size 8 15/32 in Des. by Partridge/JAT/Kay Date 23/24 May

BASIC

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
5 10 9460			9460 - 9464	4' SHALE with minor interbedded sandstones, dark gy, fissile.
		← P	9464 - 9467	3' INTERBEDDED SHALE AND SANDS sandstone beds are 1/4 - 1/2" thick, m. 2" Bedding horizontal, continuous, subparallel → wavy
65			9467 - 9477	10' SANDSTONE with minor thin carbonaceous shale streaks less than thick. Light gy, v.f-f, silty, clay matrix, v. sl. calcareous, hard, v. tight subangular, fair-well sorted, carbonac some burrowing and disturbed bedd. minor small scale cross bedding. Gold-brn fluor (mineral?) slow wea pale: yellow cut fluor, cut residue blue white fluor, slight odour.
70		← P	9477 - 79	2' INTERBEDDED SHALE AND SANDSTONE minor burrowing.
75			9479 - 9486 1/2	7' SHALE with some thin (< 1/2" sandstone and siltstone laminae. Horizontal, slightly wavy bedding.
80		← P	9486 1/2 - 9504 1/2	18' SANDSTONE with shale laminations Silty in part, v.f-m, tight, hard but more permeable than sandstone above. Rare quartz overgrowths, carbonaceous, clay/ fine qtz matrix. Gold-brn fluor, slow weak cut, fair odour.
85				
90		← P		
95		← P		
9500				

cannot be really calcareous - a log 1/16/72

appears that the core may be laminated with some thin sandstone layers 1/16/72

REMARKS:

- ← 4-5" full diameter core wax packed for EPRCo
- ← Samples for overburden ϕ /K determination
- ← P Palynology samples

