

5 cm

389035

ESSO STANDARD OIL (AUSTRALIA) LTD.

CORE DESCRIPTION

ESSO
BHP OIL & GAS DIVISION
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EXPLORATION AFTER

Core No. 1
BASIC

WELL: PELICAN-3

Interval Cored 9351-9398 ft., Cut 47 ft., Recovered 47 ft. (100%) Fm. Eastern View

Bit Type CHRISTENSEN C-20, Bit Size 8 15/32 in., Desc. by Alan Partridge Bruce Mackay Date 20th May 1972

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
5 10 15 9351			9351-52'	1' SHALE, grey, slightly silty, finely laminated, carbonaceous, continuous subparallel to parallel bedding with some swale and fill structures with coarse quartz grains at base of fill. Churned in part: burrowing and/or roots.
55			9352'-53'6"	1'6" SANDSTONE (Greywacke) med. + very coarse grains of qtz, feldspar, poss. ch in shaly carbonaceous matrix; with SHALE and COAL laminae (partings) with wavy bedding and a single subvertical coaly fracture in last 6" inches.
60			9353'6" - 9361'	7'6" SANDSTONE, lt grey clay choked, siliceous, hard, tight subang. - sub qtz, vf - f grained, slight to fair odour, dull gold brn. flour. (maybe mineral) no visible cut, possible yellow white cut residue fluoresce. Minor cross-bedding, generally massive with some carbonaceous material, minor shaly streaks, and rare sub-vertical coal filled fractures. Matrix of sst. sl. calcareous.
65			9361' - 9364'	3' SANDSTONE & SHALE, sst as above, more silty, shale dk. grey. carbonaceous. Sandstone, shale interbeds from fract ⁿ of inch to max 3" thick, some small scale cross-bedding in sst; laminations often wavy or disturbed due to borrowing.
70			9364' - 9366'	2' SHALE with thin silty SANDSTONE laminae, lithology and sed. character. same as for 9361'-64'.
75			9366' - 9368'	2' Same as for 9361'-64'.
80				
85				
90				

REMARKS:

- ← 4-5" FULL DIAM. WAX PACKED CORE FOR EPRCo.
- ← SAMPLE FOR OVERBURDEN, PORO. & PERM. ANALYSIS
- ← SAMPLE FOR PALAEO.

Leaf and plant fragments observed in shales throughout core.