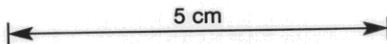


THE BROKEN HILL PROPRIETARY CO. LTD.

OIL AND GAS DIVISION
(H. MATITE PETROLEUM PTY. LTD.)

CORE DESCRIPTION



Core No. 2 (pg 1)

WELL: Pelican #4

Interval Cored 9563 - 9606 ft.* Cut 43 ft., Recovered 43 ft., (100 %) Fm. E.V.C.M.
Bit Type C-20, Bit Size 8 ¹⁵/₃₂ in., Desc. by B.N. Atkins, Date 10/2/79.

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
9560				
9565		Faint odour. Br. yell. fl. Strong wh. fl. on rapid cut.	9563'-9564'7"; Sst - buff - lt gy, mod. firm, med. clean, mod. std. massive, grease with minor mica, carb. mat and feldspar - wh. weathered. Indistinct bedding - flat.	Minor wavy coal stringers towards base. Low to med ϕ . Ab. wh. clay. Abrupt base at 20°.
9570			9564'7"-9566'4"; Coal - blk, shiny, brittle, non-fissile, sub-fissile near top & base where silty. Rare v. contorted siltst beds - lt gy.	
9575		v. weak yell. wh. fl. Rapid cut, mod. strong yell. wh. fl. on cut.	9566'4"-9568'5"; Sh - blk, firm, non- to sub-fissile. Ab. coal stringers.	
9580			9568'5"-9571'; Coal - a. a. silty, esp. towards base where transition to siltst.	
9585		Patchy strong blue wh. fl. Rapid cut with wh. fl.	9571'-9572'; Siltst - mid gy, v. firm, thinly bedded approx 15° mainly subll. minor v.f. sst. Grades to	
9590			9572'-9575'7"; Sst - mid gy - buff, grading v.f. to med. med. std. v. firm top to mod. firm base. Top with thin siltst beds, mod. bioturbated. Bedding 10°-15°. Becomes massive, cleaner to base. Minor siltst, carb. mat. Low - med ϕ , tight with wh. clay. Abrupt sl. undulose base.	
9595			9575'7"-9577'11"; Sst - Grades from 1" sh. through v.f. - f. sst beds \leq 2cm to med. sst. buff - lt gy. Extensively bioturbated. v. firm, low ϕ . Dip \approx 10°. Abrupt contact. Flame structure	
9600		Faint to mod. odour. weak yell. fl. slow cut, weak wh. fl.	9577'11"-9580'4"; Siltst/v.f. Sst - mid-dk gy, v. firm. Beds up to 4cm. subll. wavy, common carb. laminae. Rare burrows, sl. bioturbated. Dip \approx 10°. Transition to sh.	
			9580'4"-9582'; Sh - dk gy-blk, sub-fissile, common coaly stringers. Minor siltst v.f. ss.	
			9582'-9585'9"; Sst - lt bn, firm, med. coarse, mod. std. Mod. clean, grease but with ab. wh. clay matrix. Minor carb. mat, mica flakes up to 2mm, + silty laminae.	
			9585'9"-9588'; Siltst/v.f. Sst. - mid-dk gy, firm, thinly (\leq 2mm) bedded, wavy, subll. 10°. Minor small-scale ripple X-bedding. tr. carb. mat.	
			9588'-9593'; Sh - blk, firm, sub-fissile at top, non-fissile at base. Homogeneous.	
			9593'-9594'10"; Siltst - dk gy, firm, interbedded with v.f. sst - mid gy, increasing in abundance to base. Common burrows.	
			9594'10"-9600'4"; Sst - lt gy - bn, v.f. at top interbedded with siltst, firm, grading to med. at base, cleaner, massive. Minor foreset X-bedding, burrowing. Some scouring of sst into siltst beds. Mod. std. med. ϕ , ab. wh-gy clay matrix. Abrupt contact on siltst.	

REMARKS: (Cont.)
Gas was noticed popping from parts of the core as it was being recovered. Common yellow-white fluorescence - mineral.

* NOTE: THESE DEPTHS HAVE SUBSEQUENTLY BEEN ADJUSTED DOWN 10 ft (i.e. 9573' - 9616') TO MATCH LOGS.