



374054

CORE DESCRIPTION

Core No. 1

WELL: AROO - 1

Interval Cored 9515 - 9545 ft., Cut 30 ft., Recovered 30 ft., (100%) Fm. Eastern View C.M.

Bit Type C 20, Bit Size 8 15/32 in., Desc. by E. A. Hodgson Date 24 March 1974

Depth & Coring Rate (Feet/hr.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
9515			SAMPLE	
4 8 12 16 20		4	9515' - 9518' SANDSTONE, white, fine to medium, well sorted, sub angular to rounded; quartz overgrowths. 1-10 mm coaly beds 1-100 mm apart	
		4		
		6		
		3	9518' - 9520' SANDSTONE as above with less interbedded coal	
9520				
		1	9520' - 9524' SANDSTONE as above	
		7		
9525				
		2	9524' - 9525' 3" SANDSTONE as above with minor thin coal stringers.	
			9525' 3" - 9527 SANDSTONE as above, thin coal stringers cross bedded at 10°	
		2	9527' - 9529' 4" COAL and SHALE, chocolate, v. carbonaceous, hard.	
9530			SANDSTONE in washout breccia at 9528' 6" has spotty fluorescence. Fractures in shale brilliant yellow-green fluorescence.	
		4	9529' 4" - 9534' SANDSTONE, white, carbonaceous, firm, moderately well cemented, medium grained with minor 1/2 - 2mm coal beds	
9535				
		7	9534' - 9539' 6" SANDSTONE, white, fine, clean, thinly interbedded with light to dark grey SILTSTONE, tight, some festoon cross bedding, carbonaceous, slightly micaceous	
		8		
9540				
		7	9539' 6" - 9545' SANDSTONE fine to medium grading to very coarse (> 1mm) at top, with minor siltstone and shale. Sandstone is white, firm, hard, sub to well rounded quartz grains, mainly clear, some milky; slightly micaceous. Minor festoon cross bedding towards top	
		6		
9545				
		5		

KEY TO FLUORESCENCE and CUT

1. Bright yellow fluorescence, strong fast cut
2. Bright yellow-green fluorescence, fast cut
3. Yellow fluorescence, strong fast cut
4. Greenish-white fluorescence, good cut
5. Brilliant yellow-green fluorescence, good cut
6. Mottled yellow and golden fluorescence, good cut
7. Dull golden fluorescence, very slow weak cut
8. Dull red to golden fluorescence, no cut.

REMARKS:

⊙ - Sample for Palynology

SAMPLES FOR CORE ANALYSIS

- ⊙ A 9515' 6" - 9516'
 - ⊙ B 9520' 8" - 9521'
 - ⊙ C 9543' 8" - 9544'
- To BMR.

⊙ D 9520' 4" - 9520' 8" - To Baroid $\phi = 15\%$ $S_{oi} = 3.075\%$ $S_w = 44.593\%$ $S_g = 52.331$ $K = 3.281$ md

* fluorescence in fractures only