

389037

ESSO

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CORE DESCRIPTION

BASIC DATA

Core No. 2
BASIC

WELL: PELICAN-3

Interval Cored 9397-9460 ft. Cut 60 ft. Recovered 63 ft. (100%) Fm. Eastern View

Bit Type CHRISTENSEN C-20, Bit Size 8 15/32 in., Desc. by Alan Partridge Bruce McKay Date May 22/23, 19

Depth & Coring Rate (min./ft.)	Graphic (1" = 5')	Shows	Interval (ft.)	Descriptive Lithology
5 10 9397			9397-9418 21'	SANDSTONE H.gy. - wh., f. - med. grained, hard, massive with very minor carbonaceous streaks and coaly wood frags. and partings. Grains qtz, accessory mica & carbonaceous flakes, sa. - sr., well sorted, some overgrowth on qtz. Matrix predom a white clay (?kaolinite) but is also sl. calcareous. Fair porosity and permeability, mud invasion ring 1/2"-1" deep through most of the sandst. Dull gold-brown flour. (in part possibly mineral flour) weak, pale cream cut with blue-wh. residue.
9400			9418'-9419 1/2'	1 1/2' SHALE dk. gy. carbonaceous with thin interbeds of v. f. sandstone.
9405			9419 1/2'-9425 1/2'	6' SANDSTONE as for 9397'-9418' with coalified wood frag. 1"-3" long, & shale streaks. Dull gold-brown flour, weak cut & res.
9410			9425 1/2'-9428 1/2'	3' SHALE dk. gy. carbonaceous with minor sst. interbeds.
9415			9428 1/2'-9430'	1 1/2' SANDSTONE, fine g. hard w/ shale streaks.
9420			9430'-9431 1/2'	1 1/2' SHALE dk. gry. to black, fissile, hard, carbonaceous & micaceous.
9425			9431 1/2'-33'	1 1/2' SANDSTONE f.g., gry-wh. hard, w/ shaly streaks.
			9433'-38'	5' SHALE dk. gry. to blk. fissil hard, carb. w/ sst. interbeds.
9430			9438'-9440 1/2'	2 1/2' SANDSTONE very fine, sub. with clay matrix, horizontal shaly & coaly streaks, & vertical root structures
9435			9440 1/2'-9442'	1 1/2' SHALE similar to above but not as fissile.
			9442'-9448'	6' SANDSTONE hard tighter than

REMARKS:

← 4-5" full diameter core: wax packed for EPRCo

← Samples for overburden ϕ /K determination

← P Palynology samples

60' marine core barrel used (3" diameter core) - drillers TD (9457') adjusted to 9460' since 63' of core recovered.

Discrepancy of 1 ft between base of Core #1 and top of Core #2 due to depth adjustment after first core.