

CORE ANALYSIS RESULTS

Company ESSO AUSTRALIA LTD. Formation _____ File WA-CA-18
Well SEAHORSE NO 1 Core Type CONVENTIONAL Date Report 14 AUG 78
Field WILDCAT Drilling Fluid _____ Analysts DS
County AUSTRALIA State VIC Elev. _____ Location BASS STRAIT

Lithological Abbreviations

SAND-SO SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SBY SHALY-SHY LIMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY-V/ WITH-W/
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SAMPLE NUMBER	DEPTH M	PERMEABILITY MILLIDARCS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	1425.5-1425.59m	82	24.2	14.1	42.7	SST:lt brnish gy,vf-f to occ med,grn firm-mod hd,mod sort,clay mtx, ang-subrnd,occ carb argill lams faint dull yell flu,instant milky wht yell cut.
2	1431.1-1431.27m	286	23.5	13.5	45.5	SST:lt brn,vf-med grn,mod hd,poor sort,silty cly mtx,ang-subrnd, mica,rare py,flu and cut a/a.
3	1435.54-1435.67m	112	21.4	9.1	32.6	SST:lt brnish gy,vf-crse grn,firm, poor sort,cly mtx silty in part, ang-rnd,occ carb argill lams, lenses of pl brn siltstone and v/crse sand,flu and cut a/a.
4	1457.2-1457.4m	79	19.1	1.2	72.4	SST:lt gy,f-v/crse grn,v/friable,poor sort,wht cly mtx silty in part, ang-rnd,v/faint dull yell flu, milky wht yell cut,probably flushed by drilling fluid.
5	1458-1458.15m	176	25.1	10.9	54.9	SST:v/lt gy,vf-fgrn rare v/crse grn friable,mod-well sort,clay mtx, dom subang,faint dull yell flu, instant milky wht yell cut.
6	1474.18-1474.38m	39	21.2	5.3	72.2	SST:med gy,silty-vf grn,firm,mod hd, silty cly mtx,subang-subrnd,abund silty argill carb lams,tr mica,v faint dull yell flu,milky wht yell cut.
7	1474.8-1474.96m	29	18.5	8.2	49.4	SST:med gy,silty-med grn occ crse, firm,v/poor sort,silty cly mtx, subang-subrnd,abund silty carb argill lams,tr mica,flu&cut a/a

NOTE:Porosity and Permeability determined at overburden pressure.

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Table II
Core Properties
Seahorse 1

Depth, m	Porosity % PV	Permeability, md $\frac{ka}{kw}$	Grain Density gm/cc	Test
1413.36	17.8	72	2.67	P & P*
1413.40V	17.4	63	2.65	P & P
1425.34				Reserved for possible W-0 Displacement, P & P
1425.37V	.55	.94	2.58	P & P
1430.13				Reserved for possible W-0 Displacement
1430.15				P & P
1430.17				Reserved for possible W-0 Displacement
1430.19				P & P
1430.77				Reserved for possible W-0 Displacement
1430.80				P & P
1430.83				Reserved for possible W-0 Displacement
1433.23				P & P
1433.28				Reserved for possible W-0 Displacement
1435.03				P & P
1435.07	25.0	870	2.59	Reserved for possible W-0 Displacement
1435.47	17.8	100	2.55	Reserved for possible W-0 Displacement
1435.52V	24.7	37	2.62	P & P
1435.84				P & P
1435.89	27.4	3500	2.66	Reserved for possible W-0 Displacement
1459.03	25.2	287	2.62	Reserved for possible W-0 Displacement
1459.07V	26.4	233	2.40	Reserved for possible W-0 Displacement
1459.13	26.4	340	2.64	P & P
1459.17				P & P
1459.46				Reserved for possible W-0 Displacement
1459.50	25.3	285	2.63	P & P
1465.64				Reserved for possible W-0 Displacement
1465.70	24.4	650	2.64	P & P
1465.78V	23.9	350	2.64	P & P

*Permeability and Porosity

Rec'd 2-8-79

VDME/PPY