

TROMS RESIDUAL OIL

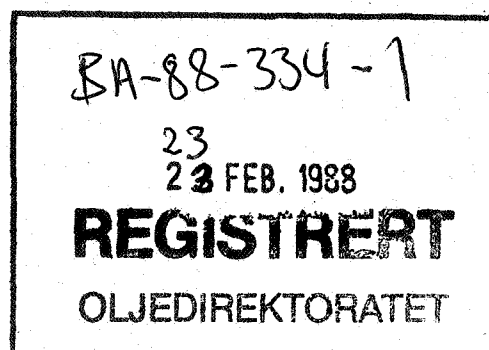
GEOCHEMICAL STUDY

Well NOCS 7119/12-1

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INTRODUCTION

This well is from the Troms I area of the Barents Sea and is situated in the area of the Troms/Finmark Fault Zone.

Samples were collected from the Norwegian Petroleum Directorate in Stavanger. A total of 243 samples covering the interval 2112 m to 3088 m (TD) were washed and described.

Samples were selected for screening analysis (TOC and Rock-Eval) on the basis of their lithology description and subsequent to this interesting samples were chosen for further analysis. The analysis program is as follows:

TOC and Rock-Eval	137 samples
Thermal extraction - pyrolysis - gas chromatography	30 samples
Extraction, MPLC fractionation, saturated and aromatic hydrocarbon gas chromatography	23 samples
Vitrinite reflectance microscopy	19 samples
Visual kerogen analysis	17 samples
Gas chromatography - mass spectrometry	10 samples
Hydrous pyrolysis	1 sample

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2112.00				224
	1.77	95 Sh/Clst: m gy to drk gy, slt, mic		224-1L
		5 Ca : brn gy		224-2L
		tr S/Sst : m gy, carb, mic		224-3L
		tr Other : pyr		224-4L
		tr Cont : fib		224-5L
2115.00				225
		80 Sh/Clst: m gy to drk gy, slt, mic		225-1L
		20 Sltst : ol gy, carb		225-5L
		tr Ca : brn gy		225-2L
		tr S/Sst : lt gy, carb, mic		225-3L
		tr Other : pyr		225-4L
2118.00				226
	1.81	75 Sh/Clst: m gy to drk gy, slt, mic		226-1L
		20 Sltst : m gy, carb		226-5L
		5 Ca : brn gy to drk gy		226-2L
		tr Other : pyr		226-4L
2121.00				227
		50 Sltst : ol gy, mic		227-5L
		50 Sh/Clst: m gy to drk gy, slt, mic		227-6L
		tr Ca : brn gy		227-2L
		tr S/Sst : lt gy, carb, mic		227-3L
		tr Other : pyr		227-4L
		tr Cont : fib		227-7L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2124.00				228
	1.96	50 Sltst : ol gy, mic		228-5L
		50 Sh/Clst: m gy to drk gy, slt, mic		228-6L
		tr Ca : brn gy		228-2L
		tr S/Sst : lt gy, carb, mic		228-3L
		tr Other : pyr		228-4L
		tr Cont : fib		228-7L
2127.00				229
		50 Sltst : ol gy, mic		229-5L
		50 Sh/Clst: m gy to drk gy, slt, mic		229-6L
		tr Ca : brn gy		229-2L
		tr S/Sst : lt gy, carb, mic		229-3L
		tr Other : pyr		229-4L
		tr Cont : fib		229-7L
2130.00				230
	1.81	50 Sltst : ol gy, carb, mic		230-5L
		50 Sh/Clst: m gy to drk gy, slt, mic		230-6L
		tr Ca : brn gy to m gy		230-2L
		tr S/Sst : lt gy, carb, mic		230-3L
		tr Cont : fib		230-8L
2133.00				231
		50 Sltst : ol gy, carb, mic		231-5L
		50 Sh/Clst: m gy to drk gy, slt, mic		231-6L
		tr Ca : brn gy to m gy		231-2L
		tr Cont : fib, prp		231-8L
		tr Other : pyr		231-9L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
2136.00				232
		1.21	45	Sh/Clst: m gy to drk gy, slt, mic
			45	Sltst : ol gy, carb, mic
			10	Ca : brn gy to m gy
			tr	Other : pyr
			tr	S/Sst : lt gy
				232-2L
				232-3L
				232-6L
				232-4L
				232-5L
2139.00				233
			50	Sh/Clst: m gy to drk gy, slt, mic, st
			50	Sltst : ol gy, s, mic
			tr	Ca : brn gy
			tr	S/Sst : lt gy, carb, mic
				233-2L
				233-6L
				233-1L
				233-5L
2142.00				234
			50	Sh/Clst: m gy to drk gy, slt, mic, st
			50	Sltst : ol gy, s, mic
			tr	Ca : brn gy
			tr	S/Sst : lt gy, carb, mic
				234-2L
				234-3L
				234-1L
				234-5L
2145.00				235
		1.34	50	Sh/Clst: m gy to drk gy, slt, mic, st
			50	Sltst : ol gy, s, mic
			tr	Ca : brn gy
			tr	S/Sst : lt gy, carb, mic
				235-2L
				235-3L
				235-1L
				235-5L
2148.00				236
			50	Sh/Clst: m gy to drk gy, slt, mic, st
			50	Sltst : ol gy, s, mic
			tr	Ca : brn gy to lt gy
			tr	Other : pyr
			tr	Cont : fib
				236-2L
				236-3L
				236-1L
				236-4L
				236-5L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2151.00				237
	1.50	50 Sh/Clst: m gy to drk gy, slt, mic, st 50 Sltst : ol gy, s, mic tr Ca : brn gy to lt gy tr Other : pyr tr Cont : fib		237-2L 237-3L 237-1L 237-4L 237-5L
2154.00				238
		50 Sh/Clst: m gy to drk gy, slt, mic 50 Sltst : ol gy, s, mic tr Other : pyr		238-2L 238-3L 238-4L
2157.00				016
		70 Sh/Clst: m gy to drk gy, slt, mic, st 30 Sltst : ol gy, carb, s, mic tr S/Sst : lt gy tr Ca : w		016-2L 016-1L 016-3L 016-4L
2160.00				017
	2.41	50 Sh/Clst: m gy to drk gy, slt, mic, st 50 Sltst : ol gy, carb, s, mic tr Other : pyr tr Ca : y gy		017-1L 017-2L 017-3L 017-4L
2163.00				018
	1.47	50 Sh/Clst: m gy to drk gy, slt, mic 50 Sltst : ol gy, carb, s, mic tr Other : pyr tr Ca : brn gy to drk gy		018-1L 018-2L 018-3L 018-4L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2166.00				019
		50 Sh/Clst: m gy to drk gy, slt, mic		019-1L
		50 Sltst : ol gy, carb, s, mic		019-2L
		tr Other : pyr		019-3L
2169.00				020
	2.32	50 Sh/Clst: m gy to drk gy, slt, mic		020-1L
		50 Sltst : ol gy, carb, s, mic		020-2L
		tr Other : pyr		020-3L
2172.00				021
		50 Sh/Clst: m gy to drk gy, slt, mic, st		021-1L
		50 Sltst : ol gy, carb, s, mic		021-2L
		tr Other : pyr		021-3L
		tr Cont : fib		021-4L
2175.00				022
	1.62	50 Sh/Clst: m gy to drk gy, slt, mic		022-1L
		50 Sltst : ol gy, pyr, s, mic		022-2L
		tr Other : pyr		022-3L
		tr Cont : prp, fib		022-4L
2178.00				023
		50 Sltst : ol gy, calc, s, mic		023-1L
		50 Sh/Clst: m gy to drk gy, slt, mic		023-2L
		tr Ca : w, carb, s		023-3L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2181.00				024
		50 Sltst : ol gy, calc, s, mic		024-1L
		50 Sh/Clst: m gy to drk gy, slt, mic		024-2L
		tr Ca : w to brn gy, s		024-3L
		tr Cont : fib		024-4L
2184.00				025
		50 Sh/Clst: m gy to drk gy, pyr, slt, mic		025-1L
		50 Sltst : ol gy, calc, s, mic		025-2L
		tr Cont : fib		025-3L
		tr Ca : w to y gy, s		025-4L
2187.00				026
	1.98	50 Sh/Clst: m gy to drk gy, pyr, slt, mic		026-1L
		50 Sltst : ol gy, calc, s, mic		026-2L
		tr Ca : brn gy to y gy		026-3L
		tr Other : pyr		026-4L
2190.00				027
	2.16	80 Sltst : ol gy, calc, s, mic		027-1L
		20 Sh/Clst: drk gy, pyr, slt, mic		027-2L
		tr Ca : lt ol gy		027-3L
		tr Other : pyr		027-4L
2193.00				028
		80 Sh/Clst: ol gy to drk gy, carb, slt, mic		028-2L
		20 Sltst : ol gy, calc, s, mic		028-1L
		tr Other : pyr		028-3L
		tr Cont : prp		028-4L
		tr S/Sst : lt gy		028-5L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2196.00				029
		80 Sh/Clst: ol gy to drk gy, carb, slt, mic		029-2L
		20 Sltst : ol gy, calc, s, mic		029-1L
		tr Other : pyr		029-3L
		tr Cont : prp		029-4L
		tr S/Sst : lt gy		029-5L
2199.00				030
		80 Sh/Clst: ol gy to drk gy, carb, slt, mic		030-2L
		20 Sltst : ol gy, calc, s, mic		030-1L
		tr Other : pyr		030-3L
		tr Cont : prp		030-4L
		tr S/Sst : lt gy		030-5L
		tr Ca : y gy to m gy		030-6L
2202.00				031
	1.57	80 Sh/Clst: ol gy to drk gy, calc, carb, slt, mic		031-2L
		20 Sltst : ol gy, calc, carb, mic		031-1L
		tr Ca : y gy to drk brn gy		031-3L
		tr Other : pyr		031-4L
2205.00				032
		90 Sh/Clst: ol gy to drk gy, calc, carb, slt, mic		032-1L
		10 Sltst : ol gy, calc, carb, s, mic		032-2L
		tr Other : pyr		032-3L
		tr Ca : y gy to drk brn gy		032-4L
		tr Cont : Coal-ad, fib		032-5L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
2208.00				033
			100	Sh/Clst: ol gy to drk gy, calc, carb, slt, mic
			tr	Sltst : ol gy, calc, carb, s, mic
			tr	Other : pyr
			tr	Cont : fib
			tr	Ca : brn gy to m y brn, y gy
				033-1L
				033-2L
				033-3L
				033-4L
				033-5L
2211.00				034
	1.54		95	Sh/Clst: ol gy to drk gy, carb, slt, mic
			5	Sltst : y gy to ol gy, calc, carb, mic
			tr	Ca : brn gy to drk gy
			tr	Other : pyr
				034-2L
				034-1L
				034-3L
				034-4L
2214.00				035
			95	Sh/Clst: ol gy to drk gy, carb, slt, mic
			5	Sltst : y gy to ol gy, calc, carb, mic
			tr	Ca : brn gy to drk gy
			tr	Other : pyr
				035-2L
				035-1L
				035-3L
				035-4L
2217.00				036
	1.50		80	Sh/Clst: ol gy to drk gy, slt, mic
			20	Sltst : ol gy, calc, carb, s, mic
			tr	Other : pyr
			tr	Ca : brn gy to drk gy
				036-2L
				036-1L
				036-3L
				036-4L
2220.00				037
	1.70		90	Sh/Clst: ol gy to drk gy, carb, slt, mic, st
			10	Sltst : ol gy, calc, s, mic
			tr	Ca : lt gy to drk gy
			tr	Other : pyr
				037-2L
				037-1L
				037-3L
				037-4L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2223.00				038
		90 Sh/Clst: ol gy to drk gy, carb, slt, mic, st		038-2L
		10 Sltst : ol gy, calc, s, mic		038-1L
		tr Ca : lt gy to drk gy		038-3L
		tr Other : pyr		038-4L
2226.00				039
	1.80	90 Sh/Clst: ol gy to drk gy, carb, slt, mic, st		039-2L
		10 Sltst : ol gy, calc, s, mic		039-1L
		tr Ca : brn gy to drk brn gy		039-3L
		tr Other : pyr		039-4L
2229.00				040
	1.70	95 Sh/Clst: drk gy to m drk gy, pyr, slt, mic		040-1L
		5 Sltst : ol gy to drk gy, calc, carb, s, mic		040-2L
		tr Ca : brn gy, m y brn to drk gy		040-3L
		tr Other : pyr		040-4L
2232.00				041
		95 Sh/Clst: drk gy to m drk gy, pyr, slt, mic		041-1L
		5 Sltst : ol gy to drk gy, calc, carb, s, mic		041-2L
		tr Ca : brn gy, m y brn to drk gy		041-3L
		tr Other : pyr		041-4L
2235.00				042
		95 Sh/Clst: drk gy to m drk gy, pyr, slt, mic		042-1L
		5 Sltst : ol gy to drk gy, calc, carb, s, mic		042-2L
		tr Ca : brn gy, m y brn to drk gy		042-3L
		tr Other : pyr		042-4L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2241.00				043
	2.02	95 Sh/Clst: drk gy to m drk gy, pyr, slt, mic		043-1L
		5 Sltst : ol gy to drk gy, calc, carb, s, mic		043-2L
		tr Ca : brn gy, m y brn to drk gy		043-3L
		tr Other : pyr		043-4L
2244.00				044
	2.38	70 Sh/Clst: drk gy to m drk gy, slt, mic		044-1L
		20 Sh/Clst: ol blk, carb, ang		044-5L
		10 Sltst : ol gy, s, mic		044-2L
		tr Ca : y gy to brn gy		044-3L
		tr Other : pyr		044-4L
2247.00				045
		70 Sh/Clst: drk gy to m drk gy, slt, mic		045-1L
		20 Sh/Clst: ol blk, carb, fis		045-5L
		10 Sltst : ol gy, s, mic		045-2L
		tr Ca : y gy to brn gy		045-3L
		tr Other : pyr		045-4L
2250.00				046
	1.59	50 Sltst : ol gy, calc, s, mic		046-1L
		50 Sh/Clst: drk gy to m drk gy, slt, mic		046-2L
		tr Ca : w to drk gy		046-3L
		tr Other : pyr		046-4L
		tr Cont : prp		046-5L
2253.00				047
		60 Sh/Clst: drk gy to m drk gy, slt, mic		047-2L
		30 Sltst : ol gy, calc, s, mic		047-1L
		10 Sh/Clst: ol blk, carb, fis		047-4L
		tr Ca : w to drk gy		047-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2256.00				048
	1.54	90 Sh/Clst: ol gy to drk gy, slt, mic 10 Sltst : ol gy, calc, mic tr Other : pyr tr Cont : prp		048-2L 048-1L 048-3L 048-4L
2259.00				049
		100 Sh/Clst: ol gy to drk gy, slt, mic tr Sltst : ol gy, calc, mic tr Other : pyr tr Ca : brn gy, dol tr Ca : w		049-2L 049-1L 049-3L 049-4L 049-5L
2262.00				050
	1.68	100 Sh/Clst: ol gy to drk gy, slt, mic tr Sltst : ol gy, calc, mic tr Sh/Clst: ol blk, carb, fis tr Cont : prp, fib		050-2L 050-1L 050-3L 050-4L
2265.00				051
		45 Sh/Clst: brn gy to brn blk, calc, carb, slt, mic 45 Sh/Clst: m gy to drk gy, slt, mic 10 Sltst : ol gy, calc, mic tr Cont : prp		051-2L 051-4L 051-1L 051-3L
2268.00				052
	0.81	40 Sh/Clst: m gy to drk gy, slt, mic 30 Ca : ol gy to lt ol gy, s, mic		052-3L 052-1L
	1.92	30 Sh/Clst: brn gy to brn blk, calc, carb, slt, mic		052-2L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2271.00				053
		40 Sh/Clst: m gy to drk gy, slt, mic		053-3L
		30 Ca : ol gy to lt ol gy, s, mic		053-1L
		30 Sh/Clst: brn gy to brn blk, calc, carb, slt, mic		053-2L
2274.00				054
	1.93	60 Sh/Clst: m gy to drk gy, slt, mic		054-3L
		30 Sh/Clst: brn gy to brn blk, calc, carb, slt, mic		054-2L
		10 Ca : ol gy to lt ol gy, s, mic		054-1L
		tr Other : pyr		054-4L
2277.00				055
		50 Sh/Clst: brn gy to brn blk, calc, mic		055-2L
		50 Sh/Clst: m gy to drk gy, mic		055-3L
		tr Ca : ol gy to lt ol gy		055-1L
		tr Other : pyr		055-4L
		tr Cont : prp, fib		055-5L
2280.00				056
	1.76	50 Sh/Clst: brn gy to brn blk, calc, mic		056-2L
		50 Sh/Clst: m gy to drk gy, mic		056-3L
		tr Ca : ol gy to lt ol gy		056-1L
		tr Other : pyr		056-4L
		tr Cont : prp, fib		056-5L
2286.00				057
	2.77	100 Sh/Clst: ol blk, carb, mic		057-1L
		tr Ca : m y brn		057-2L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2289.00				058
		100 Sh/Clst: ol blk, carb		058-1L
		tr Ca : brn gy, m y brn		058-2L
2292.00				059
	2.14	100 Sh/Clst: ol blk, carb		059-1L
		tr Ca : brn gy, m y brn		059-2L
		tr Sltst : ol blk, mic		059-3L
		tr Other : pyr		059-4L
2295.00				060
		100 Sh/Clst: ol blk, carb		060-1L
		tr Ca : brn gy, m y brn		060-2L
		tr Sltst : ol blk, mic		060-3L
		tr Other : pyr		060-4L
2298.00				061
	2.20	50 Sh/Clst: ol blk, carb		061-1L
		45 Sh/Clst: m drk gy, mic		061-5L
		5 Sltst : drk y brn		061-3L
		tr Ca : brn gy to drk brn gy, dol		061-2L
		tr Other : pyr		061-4L
2301.00				062
		50 Sh/Clst: ol blk, carb		062-1L
		50 Sh/Clst: m drk gy		062-4L
		tr Ca : drk y brn		062-2L
		tr Other : pyr		062-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
2304.00				063
	2.72	50	Sh/Clst: ol blk, carb	063-1L
		50	Sh/Clst: m drk gy	063-4L
		tr	Ca : drk y brn	063-2L
		tr	Other : pyr	063-3L
2307.00				064
		50	Sh/Clst: ol blk, carb	064-1L
		50	Sh/Clst: m drk gy	064-4L
		tr	Ca : drk y brn, s, mic	064-2L
		tr	Other : pyr	064-3L
		tr	Ca : ol blk, dol	064-5L
2310.00				065
	3.02	70	Sh/Clst: ol blk, carb	065-1L
		30	Sh/Clst: m drk gy	065-4L
		tr	Ca : w	065-2L
		tr	Other : pyr	065-3L
		tr	Ca : ol blk, dol	065-5L
2313.00				066
		70	Sh/Clst: ol blk, carb	066-1L
		30	Sh/Clst: m drk gy	066-4L
		tr	Ca : w	066-2L
		tr	Other : pyr	066-3L
		tr	Ca : ol blk, dol	066-5L
2316.00				067
	3.07	70	Sh/Clst: ol blk, carb	067-1L
		30	Sh/Clst: ol gy to drk gy	067-4L
		tr	Ca : brn gy to ol blk, dol	067-2L
		tr	Other : pyr	067-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2319.00				068
		70 Sh/Clst: ol blk, carb		068-1L
		30 Sh/Clst: ol gy to drk gy		068-4L
		tr Ca : brn gy to ol blk, dol		068-2L
		tr Other : pyr		068-3L
2322.00				069
	2.85	100 Sh/Clst: ol blk, carb		069-1L
		tr Ca : brn gy to ol blk, dol		069-2L
		tr Other : pyr		069-3L
		tr S/Sst : drk gy, mic		069-4L
		tr Ca : drk y brn		069-5L
2325.00				070
		80 Sh/Clst: ol blk, carb		070-2L
		20 Sh/Clst: ol gy to drk gy		070-1L
		tr Ca : brn gy to dsk y brn, dol		070-3L
		tr Ca : lt ol gy		070-4L
2328.00				071
	2.27	70 Sh/Clst: ol blk, carb		071-2L
		20 Sh/Clst: ol gy to drk gy		071-1L
		10 Ca : brn gy to dsk y brn, dol		071-3L
		tr Ca : drk y brn		071-4L
		tr Other : pyr		071-5L
2331.00				072
		75 Sh/Clst: ol blk, carb		072-2L
		20 Sh/Clst: ol gy to drk gy		072-1L
		5 Ca : brn gy to dsk y brn, dol		072-3L
		tr Ca : lt ol gy to drk y brn		072-4L
		tr Other : pyr		072-5L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2334.00				073
	1.94	70 Sh/Clst: ol blk, carb		073-2L
		20 Sh/Clst: ol gy to drk gy		073-1L
		5 Ca : dsk y brn, dol		073-3L
		5 Ca : drk y brn		073-4L
2337.00				074
		60 Sh/Clst: m drk gy		074-1L
		30 Sh/Clst: ol blk, carb		074-2L
		5 Ca : dsk y brn, dol		074-3L
		5 Ca : drk y brn		074-4L
2340.00				075
	1.83	80 Sh/Clst: ol blk, carb, mic		075-2L
		20 Sh/Clst: m drk gy		075-1L
		tr Ca : dsk y brn, dol		075-3L
		tr Ca : drk y brn		075-4L
		tr Other : pyr		075-5L
2343.00				076
		60 Sh/Clst: m drk gy		076-1L
		30 Sh/Clst: ol blk, mic		076-2L
		5 Ca : dsk y brn, dol		076-3L
		5 Ca : drk y brn		076-4L
		tr Other : pyr		076-5L
2346.00				077
	1.70	100 Sh/Clst: ol blk, mic		077-2L
		tr Ca : dsk y brn, dol		077-3L
		tr Ca : drk y brn		077-4L
		tr Other : pyr		077-5L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2349.00				078
		80 Sh/Clst: ol blk, mic		078-2L
		20 Sh/Clst: m drk gy		078-1L
		tr Ca : dsk y brn, dol		078-3L
		tr Ca : drk y brn		078-4L
		tr Other : pyr		078-5L
2355.00				080
	1.79	80 Sh/Clst: ol blk, mic		080-2L
		20 Sh/Clst: m drk gy		080-1L
		tr Other : pyr		080-3L
		tr Ca : dsk y brn, dol		080-4L
		tr Ca : drk y brn		080-5L
2356.00				081
	1.89	50 Sh/Clst: m drk gy		081-1L
		50 Sh/Clst: ol blk, mic		081-2L
		tr Other : pyr		081-3L
		tr Ca : dsk y brn, dol		081-4L
		tr Ca : drk y brn		081-5L
2361.00				082
		75 Sh/Clst: ol blk, mic		082-2L
		20 Sh/Clst: m drk gy		082-1L
		5 Ca : drk y brn		082-4L
		tr Ca : dsk y brn, dol		082-3L
2364.00				083
	2.03	50 Sh/Clst: ol blk, mic		083-1L
		50 Other : bar		083-3L
		tr Ca : m gy to drk gy		083-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2367.00				084
		80 Sh/Clst: ol blk, mic		084-1L
		20 Sh/Clst: m drk gy, mic		084-3L
		tr Ca : dsk y brn, dol		084-2L
2373.00				085
	1.51	70 Sh/Clst: drk gy to ol blk, pyr, mic		085-1L
		30 Other : bar		085-2L
		tr Ca : dsk y brn, dol		085-3L
		tr Sh/Clst: m drk gy, mic		085-4L
2376.00				086
	1.49	90 Sh/Clst: drk gy to ol blk, pyr, mic		086-1L
		10 Other : bar		086-2L
		tr Ca : dsk y brn, dol		086-3L
		tr Sh/Clst: m drk gy, mic		086-4L
2379.00				087
		90 Sh/Clst: drk gy to ol blk, pyr, mic		087-1L
		10 Other : bar		087-2L
		tr Ca : dsk y brn, dol		087-3L
		tr Sh/Clst: m drk gy, mic		087-4L
2382.00				088
	1.46	100 Sh/Clst: drk gy to ol blk, pyr, mic		088-1L
		tr Ca : dsk y brn, dol		088-2L
		tr Ca : w to drk y brn		088-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2385.00				089
		80 Sh/Clst: m drk gy		089-2L
		20 Sh/Clst: ol blk to drk gy, pyr, mic		089-1L
		tr Other : pyr		089-3L
		tr Ca : drk y brn, dol		089-4L
2388.00				090
	1.14	100 Sh/Clst: ol blk to drk gy, pyr, mic		090-1L
		tr Other : pyr, bar		090-2L
		tr Ca : brn gy to dsk y brn, carb, mic, dol		090-3L
2391.00				091
		90 Sh/Clst: ol blk to m drk gy, mic		091-1L
		10 Other : bar		091-2L
		tr Ca : brn gy to dsk y brn, dol		091-3L
2394.00				092
	0.90	95 Sh/Clst: ol blk to m drk gy, mic, pyr		092-1L
		5 Ca : lt ol gy to dsk y brn, dol		092-2L
2397.00				093
		100 Sh/Clst: ol blk to m drk gy, pyr, mic		093-1L
		tr Ca : lt ol gy to dsk y brn, dol		093-2L
		tr S/Sst : lt gy to m gy, calc, pyr		093-3L
2400.00				094
	0.86	95 Sh/Clst: ol blk to m drk gy, pyr, mic		094-1L
		5 Ca : lt ol gy to dsk y brn, dol		094-2L
		tr Other : pyr		094-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2403.00				095
		95 Sh/Clst: m drk gy, pyr, mic		095-1L
		5 Ca : lt ol gy to dsk y brn, dol		095-2L
		tr Other : pyr		095-3L
2406.00				096
	0.84	100 Sh/Clst: m drk gy, pyr, mic		096-1L
		tr Other : pyr		096-2L
		tr Ca : lt ol gy		096-3L
		tr Ca : dsk y brn, dol		096-4L
2409.00				097
		100 Sh/Clst: m drk gy, pyr, mic		097-1L
		tr Other : pyr		097-2L
		tr Ca : lt ol gy to dsk y brn, dol		097-3L
2412.00				098
	0.99	100 Sh/Clst: m drk gy, pyr, mic		098-1L
		tr Other : pyr		098-2L
		tr Ca : lt ol gy to dsk y brn, dol		098-3L
2415.00				099
		100 Sh/Clst: m drk gy, pyr, mic		099-1L
		tr Other : pyr		099-2L
		tr Ca : drk y brn to dsk y brn, dol		099-3L
		tr Ca : lt ol gy		099-4L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
2418.00					100
	1.07	100	Sh/Clst: m drk gy, pyr, mic tr Other : pyr tr Ca : drk y brn to dsk y brn, dol tr Ca : lt ol gy to m gy, pyr		100-1L 100-2L 100-3L 100-4L
2421.00					101
		100	Sh/Clst: m drk gy, slt, mic		101-1L
2424.00					102
	1.17	100	Sh/Clst: drk gy to m drk gy, slt, mic tr Ca : drk y brn to dsk y brn, dol		102-1L 102-2L
2427.00					103
		100	Sh/Clst: drk gy to m drk gy, slt, mic tr Ca : drk y brn to dsk y brn, dol		103-1L 103-2L
2430.00					104
	1.11	100	Sh/Clst: drk gy to m drk gy, slt, mic tr Ca : ol gy to dsk y brn, dol tr Other : pyr		104-1L 104-2L 104-3L
2433.00					105
		90	Sh/Clst: drk gy to m drk gy, slt, mic		105-1L
		10	Ca : drk y brn to dsk y brn, dol		105-2L
			tr Cont : prp, dd, fib		105-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2436.00				106
	0.41	85 Sh/Clst: drk gy to m drk gy, slt, mic 15 Ca : dsk y brn to m drk gy, dol tr Cont : prp, dd tr Ca : drk y brn tr Other : pyr		106-1L 106-2L 106-3L 106-4L 106-6L
2439.00				107
		75 Sh/Clst: drk gy to m drk gy, slt, mic 15 Ca : dsk y brn to m drk gy, dol 10 Sh/Clst: ol blk, carb, fis tr Ca : drk y brn tr Cont : dd		107-1L 107-2L 107-5L 107-4L 107-6L
2442.00				108
	4.43	60 Sh/Clst: drk gy to m drk gy, slt, mic 30 Sh/Clst: ol blk, carb, fis 10 Ca : dsk y brn to m drk gy, dol tr Other : pyr tr Ca : drk y brn		108-1L 108-5L 108-2L 108-3L 108-4L
2445.00				109
		60 Sh/Clst: drk gy to m drk gy, slt, mic 30 Sh/Clst: ol blk, carb, fis 10 Ca : dsk y brn to m drk gy, dol tr Other : pyr tr Ca : drk y brn		109-1L 109-5L 109-2L 109-3L 109-4L
2448.00				110
	3.35	60 Sh/Clst: drk gy to m drk gy, slt, mic 30 Sh/Clst: ol blk, carb, fis 10 Ca : dsk y brn to m drk gy, dol tr Other : pyr tr Ca : drk y brn		110-1L 110-5L 110-2L 110-3L 110-4L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2451.00				111
		60 Sh/Clst: drk gy to m drk gy, slt, mic		111-1L
		30 Sh/Clst: ol blk, carb, fis		111-4L
		10 Ca : drk y brn to dsk y brn, dol		111-2L
		tr Other : pyr		111-5L
		tr Ca : drk y brn		111-6L
2454.00				112
	2.71	50 Sh/Clst: drk gy to m drk gy, slt, mic		112-1L
		50 Sh/Clst: ol blk, carb, fis		112-4L
		tr Ca : drk y brn to dsk y brn, dol		112-2L
		tr Cont : prp, fib		112-6L
2457.00				113
		80 Sh/Clst: ol blk, carb, mic		113-4L
		20 Sh/Clst: drk gy to m drk gy, slt, mic		113-1L
		tr Ca : drk y brn to dsk y brn, dol		113-2L
		tr Other : pyr		113-3L
		tr Ca : gy pi to m drk gy, pyr		113-5L
		tr Cont : dd, bar		113-6L
2460.00				114
	2.75	50 Sh/Clst: ol blk, carb, mic, fis		114-1L
		50 Sh/Clst: drk gy to m drk gy, slt, mic		114-2L
		tr Other : pyr		114-3L
		tr Ca : drk y brn to dsk y brn, dol		114-4L
		tr Ca : drk y brn		114-5L
		tr Cont : dd, bar		114-6L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2463.00				115
		80 Sh/Clst: drk gy to m drk gy, slt, mic		115-2L
		20 Sh/Clst: ol blk, carb, fis		115-1L
		tr Ca : drk y brn to dsk y brn, dol		115-3L
		tr Cont : dd		115-4L
		tr Ca : drk y brn		115-5L
2466.00				116
	1.03	90 Sh/Clst: drk gy to m drk gy, slt, mic		116-2L
		10 Sh/Clst: ol blk, carb, fis		116-1L
		tr Ca : drk y brn to dsk y brn, dol		116-3L
		tr Other : pyr		116-4L
2469.00				117
		60 Sh/Clst: drk gy to m drk gy, slt, mic		117-2L
		30 Sh/Clst: ol blk, carb, mic		117-1L
		10 Ca : dsk y brn, mic, dol		117-3L
		tr Other : pyr		117-4L
		tr Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		117-5L
2472.00				118
	1.10	75 Sh/Clst: drk gy to m drk gy, slt, mic		118-2L
		10 Sh/Clst: ol blk, carb, fis		118-1L
		10 Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		118-4L
		5 S/Sst : m drk gy, calc, carb, mic		118-5L
		tr Ca : dsk y brn, dol		118-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2475.00				119
		70 Sh/Clst: drk gy to m drk gy, slt, mic		119-2L
		20 Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		119-4L
		10 Sh/Clst: ol blk, carb, fis		119-1L
		tr Ca : dsk y brn, dol		119-3L
		tr Ca : brn gy to drk y brn		119-5L
		tr Other : pyr		119-6L
2478.00				120
	0.57	70 Sh/Clst: drk gy to m drk gy, slt, mic		120-2L
		20 Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		120-4L
		10 Sh/Clst: ol blk, carb, fis		120-1L
		tr Ca : dsk y brn, dol		120-3L
		tr Ca : brn gy to drk y brn		120-5L
		tr Other : pyr		120-6L
2481.00				121
		75 Sh/Clst: drk gy to m drk gy, slt, mic		121-2L
		20 Sltst : lt brn gy to m drk gy, carb, s, mic, dol		121-4L
		5 Sh/Clst: ol blk, carb, fis		121-1L
		tr Ca : dsk y brn, dol		121-3L
		tr Cont : bar		121-5L
		tr S/Sst : lt gy to m drk gy, calc, carb, mic		121-6L
2484.00				122
	0.31	70 Sh/Clst: drk gy to m drk gy, slt, mic		122-1L
		15 Ca : lt gy		122-2L
		15 Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		122-3L
		tr Other : pyr		122-4L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2487.00				123
		70 Sh/Clst: drk gy to m drk gy, slt, mic		123-1L
		15 Ca : lt gy		123-2L
		15 Sltst : lt brn gy to m drk gy, carb, s, mic, dol, glauc		123-3L
		tr Other : pyr		123-4L
2490.00				124
	1.29	75 Sh/Clst: m gy to drk gy, mic		124-1L
		15 Ca : lt gy to lt brn gy		124-2L
		10 Sltst : lt brn gy to m drk gy, carb, s, mic, dol		124-3L
		tr Other : pyr		124-4L
2493.00				125
		65 Sh/Clst: m gy to drk gy, slt, mic		125-1L
		20 Ca : lt gy to lt brn gy		125-2L
		10 Ca : dsk y brn, dol		125-4L
		5 Sltst : m drk gy, carb, mic, dol		125-3L
2496.00				126
	1.33	65 Sh/Clst: m gy to drk gy, slt, mic		126-1L
		20 Ca : lt gy to lt brn gy		126-2L
		10 Ca : dsk y brn, dol		126-4L
		5 Sltst : m drk gy, carb, mic, dol		126-3L
2499.00				127
		50 Sh/Clst: m gy to drk gy, mic		127-1L
		30 Sh/Clst: ol blk, carb, slt, mic		127-3L
		20 Ca : lt gy to lt brn gy		127-2L
		tr Ca : dsk y brn, dol		127-4L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2502.00				128
	2.04	60 Sh/Clst: ol blk, carb, slt, mic		128-3L
		30 Sh/Clst: m gy to drk gy, mic		128-1L
		10 Ca : lt gy to lt brn gy		128-2L
		tr Ca : dsk y brn, dol		128-4L
2505.00				129
		80 Sh/Clst: ol blk, carb, slt, mic		129-3L
		10 Sh/Clst: m gy to drk gy, mic		129-1L
		10 Ca : lt gy to lt brn gy		129-2L
		tr Ca : dsk y brn, dol		129-4L
		tr Other : pyr		129-5L
2508.00				130
	3.45	80 Sh/Clst: ol blk, carb, slt, mic		130-3L
		20 Sh/Clst: drk gy to m drk gy, mic		130-1L
		tr Ca : lt gy to lt brn gy		130-2L
		tr Ca : dsk y brn, dol		130-4L
		tr Other : pyr		130-5L
2511.00				131
		70 Sh/Clst: ol blk, carb, slt, mic		131-3L
		20 Sh/Clst: drk gy to m drk gy, mic		131-1L
		10 Ca : lt gy to lt brn gy, pyr, mic		131-2L
2514.00				132
	3.37	90 Sh/Clst: ol blk, carb, slt, mic		132-3L
		10 Sh/Clst: drk gy to m drk gy, mic		132-1L
		tr Ca : lt gy to lt brn gy		132-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int Cvd	TOC%	%			
2520.00					133
	2.10	80	Sh/Clst: ol blk, carb, slt, mic		133-3L
		10	Sh/Clst: drk gy to m drk gy, mic		133-1L
		10	Cont : cem		133-4L
		tr	Ca : lt gy to lt brn gy		133-2L
2523.00					134
		100	Sh/Clst: ol blk, carb, slt, mic		134-2L
		tr	Ca : lt gy to lt brn gy		134-1L
		tr	Cont : prp, fib		134-3L
		tr	Sh/Clst: drk gy to m drk gy, mic		134-4L
2526.00					135
	2.44	100	Sh/Clst: ol blk, carb, slt, mic		135-1L
		tr	Ca : lt gy to lt brn gy		135-2L
		tr	Cont : cem, prp, fib		135-3L
2529.00					136
		100	Sh/Clst: ol blk, carb, slt, mic		136-1L
		tr	Ca : lt gy to lt brn gy		136-2L
		tr	Cont : prp, fib		136-3L
2532.00					137
	2.79	100	Sh/Clst: ol blk, carb, slt, mic		137-1L
		tr	Ca : lt gy to lt brn gy		137-2L
		tr	Cont : prp, fib		137-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2535.00				138
		100 Sh/Clst: ol blk, carb, slt, mic tr Cont : cem, prp, fib		138-1L 138-2L
2538.00				139
	3.26	100 Sh/Clst: ol blk, carb, slt, mic tr Cont : cem, prp, fib		139-1L 139-2L
2541.00				140
		100 Sh/Clst: ol blk, carb, slt, mic tr Cont : cem, prp, fib		140-1L 140-2L
2544.00				141
	3.15	100 Sh/Clst: ol blk, carb, slt, mic tr Cont : cem, prp, fib		141-1L 141-2L
2547.00				142
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		142-1L 142-2L
2550.00				143
	2.67	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		143-1L 143-2L
2553.00				144
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		144-1L 144-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2556.00				145
	2.15	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		145-1L 145-2L
2559.00				146
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		146-1L 146-2L
2562.00				147
	2.17	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		147-1L 147-2L
2565.00				148
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		148-1L 148-2L
2568.00				149
	2.09	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		149-1L 149-2L
2571.00				150
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib tr Sltst : dsk y brn, calc, mic		150-1L 150-2L 150-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
2574.00					151
		2.73	100	Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib	151-1L 151-2L
2577.00					152
			100	Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib tr Sltst : dsk y brn, carb, mic, dol	152-1L 152-2L 152-3L
2580.00					260
			100	Sh/Clst: ol blk, carb, slt, mic, fis tr Sltst : dsk y brn, carb, mic, dol tr Cont : cem, prp, fib	260-1L 260-2L 260-3L
2583.00					153
		6.67	100	Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib tr Ca : dsk y brn, dol	153-1L 153-2L 153-4L
2586.00					154
		5.58	100	Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib tr Ca : dsk y brn, dol	154-1L 154-2L 154-3L
2589.00					155
			100	Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib	155-1L 155-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2592.00				156
	7.03	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		156-1L 156-2L
2595.00				157
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		157-1L 157-2L
2598.00				158
	8.32	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		158-1L 158-2L
2602.00				159
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib tr Ca : w to brn gy, slt, mic		159-1L 159-2L 159-3L
2605.00				160
	11.54	100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, fib		160-1L 160-2L
2608.00				161
		100 Sh/Clst: ol blk, carb, slt, mic, fis tr Cont : cem, prp, bar, fib tr Ca : w to brn gy to m gy, slt, mic		161-1L 161-2L 161-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2611.00			162
	5.28	100	Sh/Clst: ol blk, carb, slt, mic, fis tr Ca : w to dsk y brn, dol tr Cont : cem, prp, fib
			162-1L 162-2L 162-3L
2620.00			163
	0.80	50	Sh/Clst: ol blk, calc, carb, slt, mic, fis
	0.32	30	Ca : dsk y brn, slt, dol
		20	Ca : lt y brn, slt
			tr Cont : cem, prp, fib
			163-1L 163-4L 163-2L 163-3L
2623.00			164
		50	Cont : cem, prp, fib
		50	Sh/Clst: ol blk, calc, carb, slt, mic, fis
			164-1L 164-2L
2626.00			165
	1.95	80	Sh/Clst: ol blk, calc, carb, slt, mic, fis
		20	Cont : cem, prp, fib
		tr	Ca : lt y brn to dsk y brn, slt, dol
			165-2L 165-1L 165-3L
2629.00			166
		70	Sh/Clst: ol blk, calc, carb, slt, mic, fis
		20	Ca : lt y brn to dsk y brn, slt, dol
		10	Cont : cem, prp, fib
			166-2L 166-3L 166-1L
2632.00			167
	1.58	70	Sh/Clst: ol blk, calc, carb, slt, mic, fis
		20	Ca : lt y brn to dsk y brn, slt, dol
		10	Cont : cem, prp, fib
			167-2L 167-3L 167-1L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2635.00			168
		60	Sh/Clst: ol blk, calc, carb, slt, mic, fis 168-3L
		30	Cont : cem, prp, fib 168-2L
		10	Ca : lt y brn to dsk y brn, slt, dol 168-1L
2638.00			169
		50	Cont : cem, prp, fib 169-2L
	1.74	50	Sh/Clst: ol blk, calc, carb, slt, mic, fis 169-3L
		tr	Ca : lt y brn to dsk y brn, slt, dol 169-1L
2641.00			170
		50	Sh/Clst: ol blk, calc, carb, slt, mic, fis 170-3L
	2.10	30	Cont : cem, prp, fib 170-2L
		20	Ca : lt y brn to dsk y brn, slt, dol 170-1L
2644.00			171
		50	Cont : cem, prp, fib 171-1L
		50	Sh/Clst: ol blk, calc, carb, slt, mic, fis 171-2L
2647.00			172
		50	Cont : cem, prp, fib 172-1L
	1.06	50	Sh/Clst: ol blk, calc, carb, slt, mic, fis 172-2L
		tr	Ca : lt y brn to dsk y brn, slt, dol 172-3L
2650.00			173
		100	Cont : cem, prp, fib 173-1L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int	Cvd	TOC%	%		
2653.00					174
			80 Cont : cem, prp, fib		174-1L
			10 Sh/Clst: ol blk, calc, carb, slt, mic, fis		174-2L
			10 Ca : lt y brn to dsk y brn, slt, dol		174-3L
2656.00					175
			50 Cont : cem, prp, fib		175-1L
		3.27	50 Sh/Clst: ol blk, calc, carb, slt, mic, fis		175-2L
			tr S/Sst : w to lt gy, calc, carb, glauc		175-3L
2662.00					176
		0.07	50 S/Sst : lt y brn, calc, carb, glauc		176-3L
			30 Sh/Clst: ol blk, calc, carb, slt, mic, fis		176-2L
			20 Cont : cem, prp, fib		176-1L
2665.00					177
		0.17	70 S/Sst : lt y brn, carb, glauc, st		177-3L
			20 Cont : cem, prp, fib		177-1L
	cvd		10 Sh/Clst: ol blk, calc, carb, slt, mic, fis		177-2L
2676.00	ccp				259
			100 Sh/Clst: drk gy, carb, mic		259-1L
2676.90	ccp				240
		0.13	100 S/Sst : drk y brn to pl y brn, carb, mic, st		240-1L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
2681.80	ccp				239
	0.11	100	S/Sst : pl y brn, carb, st		239-1L
2689.00					178
	0.07	90	S/Sst : lt y brn, carb, glauc, crs, st, l		178-3L
		10	Sh/Clst: brn blk to m drk gy, carb		178-2L
			tr Cont : cem, prp, fib		178-1L
			tr Coal		178-4L
			tr Other : w, carb, kln		178-5L
2695.00					179
	0.10	90	S/Sst : lt y brn, carb, glauc, crs, st, l		179-3L
		10	Sh/Clst: brn blk to m drk gy, carb		179-2L
			tr Cont : cem, prp, fib		179-1L
			tr Coal		179-4L
			tr Other : w, carb, kln		179-5L
2698.00					180
	0.11	95	S/Sst : lt y brn, carb, glauc		180-2L
		5	Sh/Clst: brn blk to m drk gy, carb		180-1L
			tr Cont : cem, prp		180-3L
2705.40	ccp				241
	0.27	100	S/Sst : drk gy to pl y brn, carb, cly, mic, st		241-1L
2712.00	ccp				242
	2.59	100	Sh/Clst: drk gy, carb, pyr, mic		242-1L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2794.00				181
	0.07	80 S/Sst : lt y brn, carb, crs, st, l 20 Sh/Clst: drk gy to m drk gy, carb tr Other : w, carb, bar tr Cont : prp		181-2L 181-1L 181-3L 181-4L
2797.00				182
		80 Sh/Clst: drk gy, carb 10 S/Sst : lt y brn, carb, glauc, crs 10 Cont : cem, prp, fib		182-2L 182-1L 182-3L
2800.00				183
	0.09	80 S/Sst : y gy to ol gy, carb, crs, l 10 Sh/Clst: drk gy, carb 10 Cont : prp tr Other : w, carb, bar		183-1L 183-2L 183-3L 183-4L
2803.00				184
		80 S/Sst : y gy to ol gy, carb, crs, l 10 Sh/Clst: drk gy, carb 10 Cont : prp tr Other : w, carb, bar		184-1L 184-2L 184-3L 184-4L
2806.00				185
	2.38	80 S/Sst : y gy to ol gy, carb, glauc, crs, 1 20 Sh/Clst: drk gy, carb tr Cont : prp		185-1L 185-2L 185-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int Cvd	TOC%	%			
2822.00	ccp				250
	0.51	100	S/Sst : drk y brn to dsk y brn, carb, cly, mic, st		250-1L
2825.95	ccp				251
	16.82	100	Sh/Clst: ol blk, carb, mic		251-1L
2830.50	ccp				252
	0.96	100	S/Sst : dsk y brn, carb, mic, st		252-1L
2836.60	ccp				253
	0.25	100	S/Sst : ol gy to m drk gy, carb, cly, mic		253-1L
2848.00					186
			80 Cont : cem, prp, fib		186-1L
cvd			20 Sh/Clst: drk gy to m drk gy, carb, mic		186-2L
cvd			tr Coal		186-3L
2851.00					187
			90 Cont : cem, prp, fib		187-1L
cvd			10 Sh/Clst: drk gy to m drk gy, carb, mic		187-2L
2854.00					188
			90 Cont : cem, prp, fib		188-1L
cvd			10 Sh/Clst: drk gy to m drk gy, carb, mic		188-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth		Type		Lithology description	Trb	Sample
Int	Cvd	TOC%	%			
	2857.00					189
			100	Cont : cem, prp, fib		189-1L
	2860.00					190
			100	Cont : cem, prp, fib		190-1L
	2863.00					191
			100	Cont : cem, prp, fib		191-1L
	2866.00					192
			100	Cont : cem, prp, fib		192-1L
	2869.00					193
			100	Cont : cem, prp, fib		193-1L
	2872.00					194
			100	Cont : cem, prp, fib		194-1L
	2905.00					195
		0.24	70	S/Sst : y gy to m drk gy, carb, mic, crs, 1		195-1L
			20	Sh/Clst: drk gy, carb		195-3L
			10	Sltst : m gy to m drk gy, carb, mic		195-2L
			tr	Coal		195-4L
		cvd				

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int Cvd	TOC%	%			
2907.65	ccp				255
	0.43	100	S/Sst : ol gy to m drk gy, calc, carb, pyr, cly, mic		255-1L
2907.75	ccp				256
	2.09	100	Sh/Clst: drk gy, pyr, slt, mic		256-1L
2908.00					196
		50	Cont : cem, prp, fib		196-4L
		20	Sh/Clst: y gy to m drk gy, carb, mic		196-1L
		20	S/Sst : m gy to m drk gy, carb, slt, mic, crs, l		196-2L
cvd	60.99	10	Coal		196-3L
		tr	Other : w, carb, bar		196-5L
2920.00					197
		50	S/Sst : y gy to m drk gy, carb, mic, crs, l		197-1L
		20	Cont : Mica-ad, cem, prp, fib		197-3L
1.71		20	Sltst : m gy to m drk gy, mic		197-4L
		10	Sh/Clst: m drk gy, mic		197-2L
2988.00	ccp				257
	3.19	100	Sh/Clst: ol blk to drk gy, carb, mic		257-1L
3013.00					198
	2.92	60	Sh/Clst: drk gy to m drk gy, calc, carb, mic		198-2L
		40	S/Sst : y gy, calc, mic, crs, st, l		198-1L
		tr	Cont : prp		198-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3016.00				199
	2.36	80 S/Sst : y gy, calc, carb, mic, crs, l 15 Sh/Clst: drk gy to m drk gy, calc, carb, mic 5 Sltst : ol gy, carb, mic tr Cont : prp		199-1L 199-2L 199-4L 199-3L
3019.00				200
	2.70	50 S/Sst : y gy, calc, carb, mic, crs, l 50 Sh/Clst: drk gy to m drk gy, calc, carb, mic tr Cont : prp tr Sltst : ol gy, carb, mic		200-1L 200-2L 200-3L 200-4L
3022.00				201
		60 S/Sst : y gy, calc, carb, mic, crs, l 40 Sh/Clst: drk gy to m drk gy, calc, carb, mic tr Cont : cem, prp, fib tr Ca : dsk y brn, dol		201-1L 201-2L 201-3L 201-4L
3025.00				202
	0.10	80 S/Sst : y gy, calc, carb, mic, crs, l 20 Sh/Clst: drk gy to m drk gy, calc, carb, mic tr Cont : cem, prp, fib tr Sltst : ol gy, mic		202-1L 202-2L 202-3L 202-4L
3028.00				203
		90 S/Sst : y gy to lt ol gy, carb, mic, crs, l 5 Sltst : ol gy, mic 5 Coal tr Sh/Clst: drk gy to m drk gy, carb, mic		203-1L 203-3L 203-4L 203-2L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3031.00				204
	0.19	90 S/Sst : y gy, carb, pyr, mic, crs, st, l 10 Sh/Clst: drk gy, carb, mic tr Sltst : ol gy, mic tr Cont : prp, fib		204-1L 204-2L 204-3L 204-4L
3034.00				205
		90 S/Sst : y gy, carb, pyr, mic, crs, st, l 10 Sh/Clst: drk gy, carb, mic tr Sltst : ol gy, mic tr Cont : prp, fib		205-1L 205-2L 205-3L 205-4L
3037.00				206
	0.03	90 S/Sst : y gy, carb, pyr, mic, crs, st, l 10 Sh/Clst: drk gy to m drk gy, carb, slt, mic tr Cont : prp, fib		206-1L 206-2L 206-3L
3040.00				207
		90 S/Sst : y gy, carb, pyr, mic, crs, l 10 Sh/Clst: drk gy to m drk gy, carb, mic		207-1L 207-2L
3043.00				208
	0.02	95 S/Sst : y gy, carb, pyr, mic, crs, l 5 Sh/Clst: drk gy to m drk gy, carb, mic tr Cont : prp, fib		208-1L 208-2L 208-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3046.00				209
		95 S/Sst : y gy, carb, pyr, mic, crs, l		209-1L
		5 Sltst : ol gy, carb, pyr, mic		209-4L
		tr Sh/Clst: drk gy to m drk gy, carb, mic		209-2L
		tr Other : pyr		209-3L
3049.00				210
	0.01	85 S/Sst : y gy, carb, pyr, mic, crs, st		210-4L
		10 Sltst : ol gy, carb, pyr, mic		210-1L
		5 Sh/Clst: ol blk to drk gy, carb, mic		210-2L
		tr Coal		210-3L
		tr Other : w, carb, bar		210-5L
3052.00				211
	1.01	85 S/Sst : y gy, carb, pyr, mic, crs, st		211-3L
		15 Sltst : ol gy, carb, pyr, mic		211-1L
		tr Coal		211-2L
3055.00				212
	0.04	80 S/Sst : y gy, carb, pyr, mic, crs		212-3L
		10 Sh/Clst: ol blk to drk gy, carb, mic		212-4L
		5 Sltst : ol gy, carb, pyr, mic		212-1L
		5 Coal		212-2L
3058.00				213
	69.67	85 S/Sst : y gy, carb, pyr, mic, crs, st		213-3L
		10 Coal		213-2L
		5 Sltst : ol gy, carb, pyr, mic		213-1L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3061.00				214
		95 S/Sst : y gy, carb, pyr, mic, crs, st		214-2L
		5 Coal		214-1L
		tr Sh/Clst: ol blk to drk gy, carb, mic		214-3L
		tr Other : w, carb, bar		214-4L
3064.00				215
	0.11	95 S/Sst : y gy, carb, pyr, mic, crs, st		215-1L
		5 Sh/Clst: ol blk to drk gy, carb, mic		215-2L
		tr Other : w, carb, bar		215-3L
3067.00				216
		80 S/Sst : y gy, carb, pyr, mic, crs, st		216-1L
		10 Sh/Clst: ol blk to drk gy, carb, mic		216-2L
	1.73	10 Sltst : ol gy, carb, pyr, mic		216-4L
		tr Other : w, carb, bar		216-3L
3070.00				217
	0.08	90 S/Sst : y gy, carb, pyr, mic, crs, st		217-1L
		5 Sh/Clst: ol blk to drk gy, carb, mic		217-2L
		5 Sltst : ol gy, carb, pyr, mic		217-4L
		tr Other : w, carb, bar		217-3L
3073.00				218
		85 S/Sst : y gy, carb, pyr, mic, crs, st		218-1L
		10 Sltst : ol gy, carb, pyr, prp		218-4L
		5 Sh/Clst: ol blk to drk gy, carb, mic		218-2L
		tr Other : w, carb, bar		218-3L

Table 1 : Lithology description for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
3076.00				219
			90 S/Sst	: y gy, carb, pyr, mic, crs, st 219-1L
			10 Sh/Clst	: ol blk to drk gy, carb, mic 219-2L
			tr Other	: w, carb, bar 219-3L
			tr Sltst	: ol gy, carb, pyr, mic 219-5L
3079.00				220
			70 S/Sst	: y gy, carb, pyr, mic, crs 220-1L
			20 Sltst	: ol gy, carb, pyr, mic 220-5L
			10 Sh/Clst	: ol blk to drk gy, carb, mic 220-6L
			tr Other	: w, carb, bar 220-3L
3082.00				221
	0.08		95 S/Sst	: y gy, carb, pyr, mic, crs 221-1L
			5 Sh/Clst	: ol blk to drk gy, carb, mic 221-2L
			tr Sltst	: ol gy, carb, pyr, mic 221-3L
			tr Other	: w, carb, mic 221-4L
3085.00				222
			80 S/Sst	: y gy to m gy, carb, pyr, mic, crs 222-1L
			20 Coal	: blk, mic 222-4L
			tr Sh/Clst	: ol blk to drk gy, carb, mic 222-2L
			tr Other	: w, carb, mic 222-3L
3088.00				223
	23.31		60 S/Sst	: y gy to m gy, carb, pyr, mic, crs 223-1L
			40 Coal	: blk, mic 223-4L
			tr Sh/Clst	: ol blk to drk gy, carb, mic 223-2L
			tr Other	: w, carb, mic 223-3L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2112.00	cut	Sh/Clst: m gy to drk gy	0.15	0.83	0.20	4.15	1.77	47	11	1.0	0.15	441	224-1L
2118.00	cut	Sh/Clst: m gy to drk gy	0.15	0.89	0.26	3.42	1.81	49	14	1.0	0.14	443	226-1L
2124.00	cut	Sltst : ol gy	0.29	1.60	0.81	1.98	1.96	82	41	1.9	0.15	440	228-5L
2130.00	cut	Sh/Clst: m gy to drk gy	0.15	0.86	0.24	3.58	1.81	48	13	1.0	0.15	441	230-6L
2136.00	cut	Ca : brn gy to m gy	0.23	1.08	3.17	0.34	1.21	89	262	1.3	0.18	432	232-6L
2145.00	cut	Sh/Clst: m gy to drk gy	0.29	1.12	0.28	4.00	1.34	84	21	1.4	0.21	430	235-2L
2151.00	cut	Sh/Clst: m gy to drk gy	1.32	1.27	0.31	4.10	1.50	85	21	2.6	0.51	435	237-2L
2160.00	cut	Sltst : ol gy	0.62	3.20	0.79	4.05	2.41	133	33	3.8	0.16	431	017-2L
2163.00	cut	Sh/Clst: m gy to drk gy	0.28	1.13	0.25	4.52	1.47	77	17	1.4	0.20	434	018-1L
2169.00	cut	Sltst : ol gy	0.63	3.00	0.77	3.90	2.32	129	33	3.6	0.17	430	020-2L
2175.00	cut	Sh/Clst: m gy to drk gy	0.34	1.43	0.31	4.61	1.62	88	19	1.8	0.19	432	022-1L
2187.00	cut	Sh/Clst: m gy to drk gy	0.43	2.33	0.49	4.76	1.98	118	25	2.8	0.16	433	026-1L
2190.00	cut	Sltst : ol gy	0.48	2.94	0.77	3.82	2.16	136	36	3.4	0.14	433	027-1L
2202.00	cut	Sh/Clst: ol gy to drk gy	0.34	1.57	0.43	3.65	1.57	100	27	1.9	0.18	435	031-2L
2211.00	cut	Sh/Clst: ol gy to drk gy	0.32	1.60	0.56	2.86	1.54	104	36	1.9	0.17	434	034-2L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2217.00	cut	Sh/Clst: ol gy to drk gy	0.32	1.55	0.36	4.31	1.50	103	24	1.9	0.17	433	036-2L
2220.00	cut	Sh/Clst: ol gy to drk gy	0.42	1.97	0.36	5.47	1.70	116	21	2.4	0.18	434	037-2L
2226.00	cut	Sh/Clst: ol gy to drk gy	0.45	2.37	0.59	4.02	1.80	132	33	2.8	0.16	433	039-2L
2229.00	cut	Sh/Clst: drk gy to m drk gy	0.45	2.13	0.41	5.20	1.70	125	24	2.6	0.17	433	040-1L
2241.00	cut	Sh/Clst: drk gy to m drk gy	0.57	3.22	0.54	5.96	2.02	159	27	3.8	0.15	432	043-1L
2244.00	cut	Sh/Clst: ol blk	0.32	1.64	0.64	2.56	2.38	69	27	2.0	0.16	439	044-5L
2250.00	cut	Sh/Clst: drk gy to m drk gy	0.44	1.71	0.35	4.89	1.59	108	22	2.2	0.20	433	046-2L
2256.00	cut	Sh/Clst: ol gy to drk gy	0.48	1.88	0.39	4.82	1.54	122	25	2.4	0.20	434	048-2L
2262.00	cut	Sh/Clst: ol gy to drk gy	0.56	2.20	0.34	6.47	1.68	131	20	2.8	0.20	434	050-2L
2268.00	cut	Ca : ol gy to lt ol gy	0.78	1.70	0.96	1.77	0.81	210	119	2.5	0.31	418	052-1L
2268.00	cut	Sh/Clst: brn gy to brn blk	1.16	3.84	0.68	5.65	1.92	200	35	5.0	0.23	432	052-2L
2274.00	cut	Sh/Clst: brn gy to brn blk	0.98	3.38	1.10	3.07	1.93	175	57	4.4	0.22	432	054-2L
2280.00	cut	Sh/Clst: brn gy to brn blk	0.85	3.19	0.76	4.20	1.76	181	43	4.0	0.21	431	056-2L
2286.00	cut	Sh/Clst: ol blk	1.52	6.59	0.49	13.45	2.77	238	18	8.1	0.19	429	057-1L
2292.00	cut	Sh/Clst: ol blk	1.11	5.06	0.42	12.05	2.14	236	20	6.2	0.18	432	059-1L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2298.00	cut	Sh/Clst: ol blk	1.04	4.02	0.37	10.86	2.20	183	17	5.1	0.21	434	061-1L
2304.00	cut	Sh/Clst: ol blk	1.24	4.57	0.44	10.39	2.72	168	16	5.8	0.21	434	063-1L
2310.00	cut	Sh/Clst: ol blk	1.35	5.52	0.40	13.80	3.02	183	13	6.9	0.20	434	065-1L
2316.00	cut	Sh/Clst: ol blk	1.20	4.69	0.40	11.73	3.07	153	13	5.9	0.20	435	067-1L
2322.00	cut	Sh/Clst: ol blk	0.56	2.35	0.31	7.58	2.85	82	11	2.9	0.19	441	069-1L
2328.00	cut	Sh/Clst: ol blk	0.79	3.66	0.43	8.51	2.27	161	19	4.5	0.18	436	071-2L
2334.00	cut	Sh/Clst: ol blk	0.60	2.68	0.34	7.88	1.94	138	18	3.3	0.18	436	073-2L
2340.00	cut	Sh/Clst: ol blk	0.52	2.01	0.28	7.18	1.83	110	15	2.5	0.21	434	075-2L
2346.00	cut	Sh/Clst: ol blk	0.49	1.99	0.30	6.63	1.70	117	18	2.5	0.20	438	077-2L
2355.00	cut	Sh/Clst: ol blk	0.65	1.97	0.39	5.05	1.79	110	22	2.6	0.25	434	080-2L
2356.00	cut	Sh/Clst: ol blk	0.54	2.39	0.22	10.86	1.89	126	12	2.9	0.18	439	081-2L
2364.00	cut	Sh/Clst: ol blk	2.16	3.40	0.26	13.08	2.03	167	13	5.6	0.39	434	083-1L
2373.00	cut	Sh/Clst: drk gy to ol blk	0.51	1.67	0.31	5.39	1.51	111	21	2.2	0.23	435	085-1L
2376.00	cut	Sh/Clst: drk gy to ol blk	0.40	1.60	0.38	4.21	1.49	107	26	2.0	0.20	436	086-1L
2382.00	cut	Sh/Clst: drk gy to ol blk	0.31	1.32	0.29	4.55	1.46	90	20	1.6	0.19	438	088-1L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2388.00	cut	Sh/Clst: ol blk to drk gy	0.17	0.66	0.28	2.36	1.14	58	25	0.8	0.20	440	090-1L
2394.00	cut	Sh/Clst: ol blk to m drk gy	0.11	0.46	0.22	2.09	0.90	51	24	0.6	0.19	443	092-1L
2400.00	cut	Sh/Clst: ol blk to m drk gy	0.11	0.39	0.23	1.70	0.86	45	27	0.5	0.22	441	094-1L
2406.00	cut	Sh/Clst: m drk gy	0.10	0.37	0.23	1.61	0.84	44	27	0.5	0.21	439	096-1L
2412.00	cut	Sh/Clst: m drk gy	0.11	0.44	0.27	1.63	0.99	44	27	0.6	0.20	438	098-1L
2418.00	cut	Sh/Clst: m drk gy	0.19	0.64	0.19	3.37	1.07	60	18	0.8	0.23	438	100-1L
2424.00	cut	Sh/Clst: drk gy to m drk gy	0.21	0.77	0.17	4.53	1.17	66	15	1.0	0.21	439	102-1L
2430.00	cut	Sh/Clst: drk gy to m drk gy	0.20	0.72	0.15	4.80	1.11	65	14	0.9	0.22	436	104-1L
2436.00	cut	Ca : dsk y brn to m drk gy	0.05	0.23	2.70	0.09	0.41	56	659	0.3	0.18	454	106-2L
2442.00	cut	Sh/Clst: ol blk	1.12	7.07	0.12	58.92	4.43	160	3	8.2	0.14	442	108-5L
2448.00	cut	Sh/Clst: ol blk	0.80	5.19	0.09	57.67	3.35	155	3	6.0	0.13	443	110-5L
2454.00	cut	Sh/Clst: ol blk	0.72	3.72	0.05	74.40	2.71	137	2	4.4	0.16	444	112-4L
2460.00	cut	Sh/Clst: ol blk	0.76	3.87	0.15	25.80	2.75	141	5	4.6	0.16	444	114-1L
2466.00	cut	Sh/Clst: drk gy to m drk gy	0.23	0.84	0.18	4.67	1.03	82	17	1.1	0.21	436	116-2L
2472.00	cut	Sh/Clst: drk gy to m drk gy	0.29	0.97	0.19	5.11	1.10	88	17	1.3	0.23	435	118-2L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2478.00	cut	Sltst : lt brn gy to m drk gy	0.16	0.50	0.55	0.91	0.57	88	96	0.7	0.24	447	120-4L
2484.00	cut	Ca : lt gy	0.07	0.12	0.26	0.46	0.31	39	84	0.2	0.37	396	122-2L
2490.00	cut	Sh/Clst: m gy to drk gy	0.37	1.09	0.21	5.19	1.29	84	16	1.5	0.25	435	124-1L
2496.00	cut	Sh/Clst: m gy to drk gy	0.37	1.33	0.19	7.00	1.33	100	14	1.7	0.22	437	126-1L
2502.00	cut	Sh/Clst: ol blk	0.97	3.60	0.13	27.69	2.04	176	6	4.6	0.21	443	128-3L
2508.00	cut	Sh/Clst: ol blk	2.20	8.26	0.14	59.00	3.45	239	4	10.5	0.21	441	130-3L
2514.00	cut	Sh/Clst: ol blk	2.31	8.52	0.28	30.43	3.37	253	8	10.8	0.21	443	132-3L
2520.00	cut	Sh/Clst: ol blk	1.39	3.77	0.26	14.50	2.10	180	12	5.2	0.27	444	133-3L
2526.00	cut	Sh/Clst: ol blk	1.65	5.21	0.29	17.97	2.44	214	12	6.9	0.24	447	135-1L
2532.00	cut	Sh/Clst: ol blk	1.81	5.57	0.58	9.60	2.79	200	21	7.4	0.25	448	137-1L
2538.00	cut	Sh/Clst: ol blk	1.93	6.37	0.88	7.24	3.26	195	27	8.3	0.23	447	139-1L
2544.00	cut	Sh/Clst: ol blk	1.80	5.82	1.06	5.49	3.15	185	34	7.6	0.24	448	141-1L
2550.00	cut	Sh/Clst: ol blk	1.60	4.92	1.47	3.35	2.67	184	55	6.5	0.25	448	143-1L
2556.00	cut	Sh/Clst: ol blk	1.33	3.43	1.51	2.27	2.15	160	70	4.8	0.28	450	145-1L
2562.00	cut	Sh/Clst: ol blk	1.22	3.12	1.33	2.35	2.17	144	61	4.3	0.28	448	147-1L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2568.00	cut	Sh/Clst: ol blk	1.22	3.20	1.26	2.54	2.09	153	60	4.4	0.28	451	149-1L
2574.00	cut	Sh/Clst: ol blk	1.41	3.92	1.27	3.09	2.73	144	47	5.3	0.26	447	151-1L
2583.00	cut	Sh/Clst: ol blk	2.56	7.27	2.23	3.26	6.67	109	33	9.8	0.26	451	153-1L
2586.00	cut	Sh/Clst: ol blk	2.18	7.02	1.26	5.57	5.58	126	23	9.2	0.24	449	154-1L
2592.00	cut	Sh/Clst: ol blk	2.37	7.43	2.33	3.19	7.03	106	33	9.8	0.24	451	156-1L
2598.00	cut	Sh/Clst: ol blk	2.71	8.68	2.67	3.25	8.32	104	32	11.4	0.24	450	158-1L
2605.00	cut	Sh/Clst: ol blk	3.42	15.28	2.35	6.50	11.54	132	20	18.7	0.18	453	160-1L
2611.00	cut	Sh/Clst: ol blk	2.00	6.88	1.52	4.53	5.28	130	29	8.9	0.23	450	162-1L
2620.00	cut	Ca : lt y brn	0.08	0.21	0.76	0.28	0.32	66	238	0.3	0.28	448	163-2L
2620.00	cut	Ca : dsk y brn	0.18	0.36	2.76	0.13	0.80	45	345	0.5	0.33	452	163-4L
2626.00	cut	Sh/Clst: ol blk	0.56	1.87	0.30	6.23	1.95	96	15	2.4	0.23	449	165-2L
2632.00	cut	Sh/Clst: ol blk	0.45	1.49	0.31	4.81	1.58	94	20	1.9	0.23	448	167-2L
2638.00	cut	Sh/Clst: ol blk	0.51	1.70	0.34	5.00	1.74	98	20	2.2	0.23	445	169-3L
2641.00	cut	Sh/Clst: ol blk	0.70	2.32	0.46	5.04	2.10	110	22	3.0	0.23	448	170-3L
2647.00	cut	Sh/Clst: ol blk	0.31	1.12	0.30	3.73	1.06	106	28	1.4	0.22	448	172-2L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2656.00	cut	Sh/Clst: ol blk	1.54	4.86	0.47	10.34	3.27	149	14	6.4	0.24	447	175-2L
2662.00	cut	S/Sst : lt y brn	0.15	0.07	0.28	0.25	0.07	100	400	0.2	0.68	390	176-3L
2665.00	cut	S/Sst : lt y brn	0.84	0.31	0.38	0.82	0.17	182	224	1.1	0.73	395	177-3L
2676.90	ccp	S/Sst : drk y brn to pl y brn	0.78	0.28	0.14	2.00	0.13	215	108	1.1	0.74	401	240-1L
2681.80	ccp	S/Sst : pl y brn	0.68	0.27	0.11	2.45	0.11	245	100	1.0	0.72	409	239-1L
2689.00	cut	S/Sst : lt y brn	0.30	0.14	0.19	0.74	0.07	200	271	0.4	0.68	410	178-3L
2695.00	cut	S/Sst : lt y brn	0.37	0.24	0.18	1.33	0.10	240	180	0.6	0.61	421	179-3L
2698.00	cut	S/Sst : lt y brn	0.24	0.15	0.23	0.65	0.11	136	209	0.4	0.62	409	180-2L
2705.40	ccp	S/Sst : drk gy to pl y brn	0.79	0.51	0.08	6.38	0.27	189	30	1.3	0.61	373	241-1L
2712.00	ccp	Sh/Clst: drk gy	0.39	2.22	0.11	20.18	2.59	86	4	2.6	0.15	448	242-1L
2718.00	ccp	S/Sst : drk y brn to dsk y brn	0.82	0.29	0.25	1.16	0.23	126	109	1.1	0.74	431	243-1L
2720.10	ccp	S/Sst : dsk y brn	1.04	0.18	0.25	0.72	0.20	90	125	1.2	0.85	446	244-1L
2729.00	ccp	Sh/Clst: drk gy	0.37	2.20	0.26	8.46	2.14	103	12	2.6	0.14	451	245-1L
2752.70	ccp	S/Sst : drk y brn to dsk y brn	2.12	0.56	0.12	4.67	0.49	114	24	2.7	0.79	439	246-1L
2755.50	ccp	S/Sst : drk y brn to dsk y brn	2.45	0.85	0.17	5.00	0.86	99	20	3.3	0.74	359	247-1L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2758.20	ccp	S/Sst : dsk y brn	2.49	0.47	0.28	1.68	0.43	109	65	3.0	0.84	364	254-1L
2770.50	ccp	S/Sst : drk gy	0.77	0.26	0.34	0.76	0.22	118	155	1.0	0.75	436	248-1L
2780.00	ccp	S/Sst : drk y brn	2.07	0.44	0.23	1.91	0.37	119	62	2.5	0.82	404	249-1L
2794.00	cut	S/Sst : lt y brn	0.15	0.14	0.06	2.33	0.07	200	86	0.3	0.52	430	181-2L
2800.00	cut	S/Sst : y gy to ol gy	0.14	0.14	0.08	1.75	0.09	156	89	0.3	0.50	431	183-1L
2806.00	cut	Sh/Clst: drk gy	2.15	3.34	0.15	22.27	2.38	140	6	5.5	0.39	447	185-2L
2822.00	ccp	S/Sst : drk y brn to dsk y brn	0.93	0.72	0.16	4.50	0.51	141	31	1.7	0.56	446	250-1L
2825.95	ccp	Sh/Clst: ol blk	2.65	44.97	0.56	80.30	16.82	267	3	47.6	0.06	449	251-1L
2830.50	ccp	S/Sst : dsk y brn	0.86	1.46	0.54	2.70	0.96	152	56	2.3	0.37	455	252-1L
2836.60	ccp	S/Sst : ol gy to m drk gy	0.81	0.37	0.44	0.84	0.25	148	176	1.2	0.69	433	253-1L
2905.00	cut	S/Sst : y gy to m drk gy	0.28	0.32	0.18	1.78	0.24	133	75	0.6	0.47	443	195-1L
2907.65	ccp	S/Sst : ol gy to m drk gy	0.36	0.36	1.35	0.27	0.43	84	314	0.7	0.50	437	255-1L
2907.75	ccp	Sh/Clst: drk gy	0.35	1.74	0.53	3.28	2.09	83	25	2.1	0.17	446	256-1L
2908.00	cut	Coal	13.77	124.66	2.66	46.86	60.99	204	4	138.4	0.10	452	196-3L
2920.00	cut	Sltst : m gy to m drk gy	1.07	2.88	0.35	8.23	1.71	168	20	4.0	0.27	451	197-4L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2988.00	ccp	Sh/Clst: ol blk to drk gy	0.80	5.57	0.16	34.81	3.19	175	5	6.4	0.13	450	257-1L
3013.00	cut	Sh/Clst: drk gy to m drk gy	1.87	3.85	0.20	19.25	2.92	132	7	5.7	0.33	447	198-2L
3016.00	cut	Sh/Clst: drk gy to m drk gy	1.46	2.72	0.32	8.50	2.36	115	14	4.2	0.35	448	199-2L
3019.00	cut	Sh/Clst: drk gy to m drk gy	1.99	4.14	0.60	6.90	2.70	153	22	6.1	0.32	448	200-2L
3025.00	cut	S/Sst : y gy	0.40	0.15	0.37	0.41	0.10	150	370	0.6	0.73	390	202-1L
3031.00	cut	S/Sst : y gy	1.35	0.44	0.38	1.16	0.19	232	200	1.8	0.75	410	204-1L
3037.00	cut	S/Sst : y gy	0.13	0.07	0.18	0.39	0.03	233	600	0.2	0.65	391	206-1L
3043.00	cut	S/Sst : y gy	0.11	0.08	0.10	0.80	0.02	400	500	0.2	0.58	360	208-1L
3049.00	cut	S/Sst : y gy	0.08	0.02	0.08	0.25	0.01	200	800	0.1	0.80	-	210-4L
3052.00	cut	Sltst : ol gy	0.39	0.94	0.12	7.83	1.01	93	12	1.3	0.29	453	211-1L
3055.00	cut	S/Sst : y gy	0.09	0.06	0.17	0.35	0.04	150	425	0.2	0.60	405	212-3L
3058.00	cut	Coal	7.14	69.68	1.58	44.10	69.67	100	2	76.8	0.09	459	213-2L
3064.00	cut	S/Sst : y gy	0.07	0.07	0.16	0.44	0.11	64	145	0.1	0.50	420	215-1L
3067.00	cut	Sltst : ol gy	0.58	1.79	0.23	7.78	1.73	103	13	2.4	0.24	456	216-4L
3070.00	cut	S/Sst : y gy	0.13	0.11	0.11	1.00	0.08	138	138	0.2	0.54	395	217-1L

Table 2 : Rock-Eval table for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3082.00	cut	S/Sst : y gy	0.08	0.12	0.03	4.00	0.08	150	38	0.2	0.40	409	221-1L
3088.00	cut	Coal : blk	5.78	37.54	0.52	72.19	23.31	161	2	43.3	0.13	458	223-4L

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC(e) (%)	Sample
2514.00	cut	Sh/Clst: ol blk	10.9	37.4	15.3	14.1	2.9	5.0	29.5	7.9	3.19	132-3
2538.00	cut	Sh/Clst: ol blk	9.6	43.6	9.4	1.3	2.4	30.5	10.7	32.9	3.84	139-1
2583.00	cut	Sh/Clst: ol blk	5.5	30.7	1.4	1.4	6.6	21.2	2.9	27.8	8.18	153-1
2605.00	cut	Sh/Clst: ol blk	9.0	60.1	3.1	6.1	20.8	30.1	9.2	50.9	12.50	160-1
2656.00	cut	Sh/Clst: ol blk	8.1	36.4	10.1	4.2	2.0	20.1	14.3	22.1	3.10	175-2
2662.00	cut	S/Sst : lt y brn	3.7	4.0	0.7	0.1	0.1	3.1	0.8	3.2	0.33	176-3
2665.00	cut	S/Sst : lt y brn	3.7	7.4	1.1	0.4	0.4	5.6	1.4	6.0	0.57	177-3
2676.90	ccp	S/Sst : drk y brn to pl y brn	9.7	12.8	3.1	1.6	0.8	7.3	4.7	8.1	0.37	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	9.8	16.3	6.7	1.8	1.0	6.8	8.5	7.8	0.42	243-1
2720.10	ccp	S/Sst : dsk y brn	11.1	25.9	10.7	2.8	0.9	11.6	13.4	12.5	0.45	244-1
2729.00	ccp	Sh/Clst: drk gy	10.1	10.3	1.6	2.0	2.1	4.6	3.6	6.7	2.09	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	10.6	51.1	14.6	5.4	1.0	30.1	20.0	31.1	0.97	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	10.1	29.9	19.7	3.6	1.5	5.1	23.3	6.6	1.07	247-1
2758.20	ccp	S/Sst : dsk y brn	9.0	25.2	10.8	1.9	0.9	11.6	12.7	12.5	0.75	254-1

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC(e) (%)	Sample
2780.00	ccp	S/Sst : drk y brn	9.4	31.6	19.0	3.6	0.9	8.2	22.6	9.0	0.58	249-1
2822.00	ccp	S/Sst : drk y brn to dsk y brn	9.6	18.6	6.6	2.0	0.5	9.5	8.6	10.0	0.66	250-1
2825.95	ccp	Sh/Clst: ol blk	10.0	85.1	3.5	7.9	56.0	17.7	11.4	73.7	13.60	251-1
2830.50	ccp	S/Sst : dsk y brn	10.3	16.3	6.0	1.6	2.6	6.1	7.6	8.7	0.69	252-1
2908.00	cut	Coal	2.6	117.4	7.1	9.4	1.8	99.1	16.5	100.9	45.50	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	10.6	11.6	1.4	0.4	6.0	3.8	1.8	9.8	1.82	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	3.3	25.2	7.4	3.5	1.4	12.9	10.9	14.3	2.93	200-2
3031.00	cut	S/Sst : y gy	7.1	19.9	5.3	1.7	0.2	12.7	7.0	12.9	0.50	204-1
3058.00	cut	Coal	0.4	12.2	0.4	0.8	9.3	1.7	1.2	11.0	38.60	213-2

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2514.00	cut	Sh/Clst: ol blk	3447	1411	1303	267	464	2715	731	132-3
2538.00	cut	Sh/Clst: ol blk	4522	970	136	248	3165	1107	3414	139-1
2583.00	cut	Sh/Clst: ol blk	5561	260	260	1195	3844	521	5039	153-1
2605.00	cut	Sh/Clst: ol blk	6662	345	678	2305	3332	1024	5638	160-1
2656.00	cut	Sh/Clst: ol blk	4521	1252	521	248	2499	1773	2747	175-2
2662.00	cut	S/Sst : lt y brn	1075	193	32	26	822	225	849	176-3
2665.00	cut	S/Sst : lt y brn	2016	294	98	108	1514	392	1623	177-3
2676.90	ccp	S/Sst : drk y brn to pl y brn	1322	322	161	82	756	483	838	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	1670	688	184	102	694	872	797	243-1
2720.10	ccp	S/Sst : dsk y brn	2322	957	247	80	1036	1205	1117	244-1
2729.00	ccp	Sh/Clst: drk gy	1021	154	202	208	456	357	664	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	4802	1375	507	93	2825	1883	2919	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	2963	1950	356	148	507	2307	656	247-1
2758.20	ccp	S/Sst : dsk y brn	2809	1204	214	100	1290	1418	1391	254-1
2780.00	ccp	S/Sst : drk y brn	3347	2008	381	95	862	2389	957	249-1

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2822.00	ccp	S/Sst : drk y brn to dsk y brn	1929	684	211	51	981	896	1033	250-1
2825.95	ccp	Sh/Clst: ol blk	8493	347	790	5588	1766	1137	7355	251-1
2830.50	ccp	S/Sst : dsk y brn	1576	580	150	251	593	731	845	252-1
2908.00	cut	Coal	44469	2704	3553	681	37530	6257	38212	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	1096	136	34	567	359	170	926	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	7659	2261	1057	425	3914	3319	4340	200-2
3031.00	cut	S/Sst : y gy	2814	746	237	28	1801	984	1830	204-1
3058.00	cut	Coal	30500	900	2100	23250	4249	3000	27500	213-2

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2514.00	cut	Sh/Clst: ol blk	108.06	44.26	40.85	8.38	14.56	85.12	22.94	132-3
2538.00	cut	Sh/Clst: ol blk	117.78	25.29	3.57	6.48	82.45	28.85	88.93	139-1
2583.00	cut	Sh/Clst: ol blk	67.99	3.19	3.19	14.62	47.00	6.38	61.61	153-1
2605.00	cut	Sh/Clst: ol blk	53.30	2.77	5.43	18.45	26.66	8.20	45.11	160-1
2656.00	cut	Sh/Clst: ol blk	145.86	40.39	16.83	8.01	80.63	57.22	88.64	175-2
2662.00	cut	S/Sst : lt y brn	325.84	58.65	9.78	8.15	249.27	68.43	257.41	176-3
2665.00	cut	S/Sst : lt y brn	353.75	51.63	17.21	19.12	265.79	68.84	284.91	177-3
2676.90	ccp	S/Sst : drk y brn to pl y brn	357.38	87.11	43.56	22.34	204.38	130.67	226.71	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	397.64	163.93	43.91	24.40	165.40	207.85	189.79	243-1
2720.10	ccp	S/Sst : dsk y brn	516.19	212.86	55.01	17.94	230.39	267.86	248.33	244-1
2729.00	ccp	Sh/Clst: drk gy	48.89	7.40	9.68	9.97	21.83	17.09	31.80	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	495.12	141.85	52.32	9.69	291.26	194.17	300.95	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	276.95	182.28	33.34	13.89	47.42	215.63	61.32	247-1
2758.20	ccp	S/Sst : dsk y brn	374.58	160.54	28.54	13.38	172.13	189.07	185.51	254-1
2780.00	ccp	S/Sst : drk y brn	577.15	346.29	65.75	16.44	148.67	412.04	165.11	249-1

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
2822.00	ccp	S/Sst : drk y brn to dsk y brn	292.34	103.73	32.06	7.86	148.69	135.80	156.54	250-1
2825.95	ccp	Sh/Clst: ol blk	62.45	2.55	5.81	41.09	12.99	8.37	54.08	251-1
2830.50	ccp	S/Sst : dsk y brn	228.46	84.10	21.87	36.44	86.06	105.96	122.50	252-1
2908.00	cut	Coal	97.74	5.94	7.81	1.50	82.48	13.75	83.98	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	60.24	7.48	1.87	31.16	19.73	9.35	50.89	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	261.42	77.18	36.10	14.52	133.61	113.28	148.14	200-2
3031.00	cut	S/Sst : y gy	562.94	149.36	47.52	5.66	360.40	196.89	366.05	204-1
3058.00	cut	Coal	79.02	2.33	5.44	60.23	11.01	7.77	71.24	213-2

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
2514.00	cut	Sh/Clst: ol blk	40.96	37.81	7.75	13.48	78.77	21.23	108.35	371.03	132-3
2538.00	cut	Sh/Clst: ol blk	21.47	3.03	5.50	70.00	24.50	75.50	709.09	32.44	139-1
2583.00	cut	Sh/Clst: ol blk	4.69	4.69	21.50	69.12	9.38	90.62	100.00	10.35	153-1
2605.00	cut	Sh/Clst: ol blk	5.19	10.18	34.61	50.02	15.37	84.63	50.98	18.17	160-1
2656.00	cut	Sh/Clst: ol blk	27.69	11.54	5.49	55.27	39.23	60.77	240.00	64.56	175-2
2662.00	cut	S/Sst : lt y brn	18.00	3.00	2.50	76.50	21.00	79.00	600.00	26.58	176-3
2665.00	cut	S/Sst : lt y brn	14.59	4.86	5.41	75.14	19.46	80.54	300.00	24.16	177-3
2676.90	ccp	S/Sst : drk y brn to pl y brn	24.38	12.19	6.25	57.19	36.56	63.44	200.00	57.64	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	41.23	11.04	6.13	41.60	52.27	47.73	373.33	109.51	243-1
2720.10	ccp	S/Sst : dsk y brn	41.24	10.66	3.47	44.63	51.89	48.11	386.96	107.87	244-1
2729.00	ccp	Sh/Clst: drk gy	15.15	19.81	20.39	44.66	34.95	65.05	76.47	53.73	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	28.65	10.57	1.96	58.83	39.22	60.78	271.11	64.52	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	65.82	12.04	5.02	17.12	77.86	22.14	546.67	351.66	247-1
2758.20	ccp	S/Sst : dsk y brn	42.86	7.62	3.57	45.95	50.48	49.52	562.50	101.92	254-1

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
			EOM	EOM	EOM	EOM	EOM	EOM	EOM	Aro	
2780.00	ccp	S/Sst : drk y brn	60.00	11.39	2.85	25.76	71.39	28.61	526.67	249.56	249-1
2822.00	ccp	S/Sst : drk y brn to dsk y brn	35.48	10.97	2.69	50.86	46.45	53.55	323.53	86.75	250-1
2825.95	ccp	Sh/Clst: ol blk	4.09	9.31	65.80	20.80	13.40	86.60	43.94	15.47	251-1
2830.50	ccp	S/Sst : dsk y brn	36.81	9.57	15.95	37.67	46.38	53.62	384.62	86.50	252-1
2908.00	cut	Coal	6.08	7.99	1.53	84.40	14.07	85.93	76.12	16.38	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	12.41	3.10	51.72	32.76	15.52	84.48	400.00	18.37	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	29.52	13.81	5.56	51.11	43.33	56.67	213.79	76.47	200-2
3031.00	cut	S/Sst : y gy	26.53	8.44	1.01	64.02	34.97	65.03	314.29	53.79	204-1
3058.00	cut	Coal	2.95	6.89	76.23	13.93	9.84	90.16	42.86	10.91	213-2

Table 4 : Saturated Hydrocarbon Ratios for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2514.00	cut	Sh/Clst: ol blk	1.24	1.21	1.13	1.01	1.58	132-3
2538.00	cut	Sh/Clst: ol blk	0.98	2.21	0.75	0.49	1.12	139-1
2583.00	cut	Sh/Clst: ol blk	1.09	1.82	0.85	0.61	1.21	153-1
2605.00	cut	Sh/Clst: ol blk	0.83	1.94	0.65	0.46	1.02	160-1
2656.00	cut	Sh/Clst: ol blk	0.82	1.97	0.64	0.45	1.25	175-2
2662.00	cut	S/Sst : lt y brn	0.73	1.21	0.55	0.42	1.48	176-3
2665.00	cut	S/Sst : lt y brn	0.70	1.43	0.61	0.52	0.84	177-3
2676.90	ccp	S/Sst : drk y brn to pl y brn	0.74	1.62	0.53	0.36	1.13	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	0.64	1.38	0.47	0.35	1.15	243-1
2720.10	ccp	S/Sst : dsk y brn	0.71	1.53	0.51	0.36	1.07	244-1
2729.00	ccp	Sh/Clst: drk gy	0.48	2.38	0.37	0.23	1.15	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	0.83	1.53	0.56	0.37	1.19	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	0.90	1.48	0.68	0.50	1.12	247-1
2758.20	ccp	S/Sst : dsk y brn	0.90	1.52	0.64	0.45	1.22	254-1

Table 4 : Saturated Hydrocarbon Ratios for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
2780.00	ccp	S/Sst : drk y brn	0.90	1.47	0.67	0.49	1.18	249-1
2822.00	ccp	S/Sst : drk y brn to dsk y brn	0.66	2.18	0.50	0.33	1.22	250-1
2825.95	ccp	Sh/Clst: ol blk	0.55	1.90	0.46	0.35	0.92	251-1
2830.50	ccp	S/Sst : dsk y brn	0.88	1.75	0.65	0.44	1.21	252-1
2908.00	cut	Coal	0.38	2.09	0.30	0.20	1.23	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	0.61	2.19	0.44	0.28	1.06	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	0.74	1.32	0.66	0.57	1.29	200-2
3031.00	cut	S/Sst : y gy	0.81	1.15	0.78	0.76	1.51	204-1
3058.00	cut	Coal	0.58	1.48	0.50	0.42	1.14	213-2

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
2514.00	cut	Sh/Clst: ol blk	-	-	-	0.63	0.79	0.63	0.20	0.31	0.20	132-3
2538.00	cut	Sh/Clst: ol blk	-	1.83	-	0.69	0.64	0.64	0.13	21.95	1.25	139-1
2583.00	cut	Sh/Clst: ol blk	-	1.55	-	0.69	0.64	0.67	0.20	23.63	1.66	153-1
2605.00	cut	Sh/Clst: ol blk	1.22	2.46	0.21	0.78	0.65	0.70	0.25	17.00	2.41	160-1
2656.00	cut	Sh/Clst: ol blk	0.85	2.58	0.10	0.78	0.71	0.71	0.15	10.59	1.24	175-2
2676.90	ccp	S/Sst : drk y brn to pl y brn	-	-	-	0.93	0.78	0.77	-	-	-	240-1
2718.00	ccp	S/Sst : drk y brn to dsk y brn	-	-	-	1.00	0.93	0.91	0.37	-	-	243-1
2720.10	ccp	S/Sst : dsk y brn	-	-	-	1.02	1.05	1.00	0.48	-	-	244-1
2729.00	ccp	Sh/Clst: drk gy	1.62	-	0.22	1.07	0.75	0.85	0.16	29.92	4.90	245-1
2752.70	ccp	S/Sst : drk y brn to dsk y brn	-	-	-	0.93	0.93	0.92	0.28	13.99	3.22	246-1
2755.50	ccp	S/Sst : drk y brn to dsk y brn	-	-	-	1.02	0.84	0.89	0.23	21.16	3.73	247-1
2758.20	ccp	S/Sst : dsk y brn	-	-	-	0.53	0.74	0.53	0.36	-	-	254-1
2780.00	ccp	S/Sst : drk y brn	-	-	-	1.00	0.98	0.96	0.38	10.62	2.39	249-1
2822.00	ccp	S/Sst : drk y brn to dsk y brn	-	-	-	1.03	0.88	0.89	0.42	17.17	2.73	250-1
2825.95	ccp	Sh/Clst: ol blk	1.45	-	0.12	0.96	0.70	0.82	0.14	24.26	4.23	251-1

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
2830.50	ccp	S/Sst : dsk y brn	-	1.90	-	0.93	0.86	0.90	0.37	12.27	2.94	252-1
2908.00	cut	Coal	1.59	3.78	0.08	1.08	0.81	0.88	-	9.79	3.23	196-3
2988.00	ccp	Sh/Clst: ol blk to drk gy	1.24	-	0.10	1.26	0.84	0.92	0.12	-	-	257-1
3019.00	cut	Sh/Clst: drk gy to m drk gy	-	3.75	-	0.99	0.90	0.85	0.29	8.35	1.20	200-2
3058.00	cut	Coal	-	-	0.10	1.26	0.77	0.84	0.14	12.90	3.46	213-2

Table 6 : Thermal Maturity Data for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2160.00	cut Sltst : ol gy	-	-	-	-	4	431	017-2
2163.00	cut bulk	0.42	29	0.04	5	-	-	018-0
2190.00	cut Sltst : ol gy	-	-	-	-	4.5-5	433	027-1
2211.00	cut bulk	0.50	48	0.09	4+5	-	-	034-0
2241.00	cut Sh/Clst: drk gy to m drk gy	-	-	-	-	NDP	432	043-1
2262.00	cut bulk	0.54	27	0.05	4+5	-	-	050-0
2268.00	cut Sh/Clst: brn gy to brn blk	-	-	-	-	5	432	052-2
2286.00	cut Sh/Clst: ol blk	-	-	-	-	4.5	429	057-1
2295.00	cut bulk	0.55	38	0.07	5+6	-	-	060-0
2346.00	cut bulk	0.60	30	0.07	0	-	-	077-0
2364.00	cut Sh/Clst: ol blk	-	-	-	-	NDP	434	083-1
2397.00	cut bulk	0.64	21	0.07	6	-	-	093-0
2442.00	cut Sh/Clst: ol blk	-	-	-	-	6.5	442	108-5
2448.00	cut bulk	0.66	37	0.09	5+6	-	-	110-0

Table 6 : Thermal Maturity Data for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2460.00	cut	Sh/Clst: ol blk	-	-	-	-	7	444	114-1
2499.00	cut	bulk	0.52	40	0.06	6	-	-	127-0
2514.00	cut	Sh/Clst: ol blk	-	-	-	-	NDP	443	132-3
2538.00	cut	Sh/Clst: ol blk	-	-	-	-	NDP	447	139-1
2550.00	cut	bulk	0.52	24	0.07	0	-	-	143-0
2568.00	cut	Sh/Clst: ol blk	-	-	-	-	NDP	451	149-1
2595.00	cut	bulk	0.68	36	0.07	0	-	-	157-0
2611.00	cut	Sh/Clst: ol blk	-	-	-	-	NDP	450	162-1
2635.00	cut	bulk	0.67	27	0.07	0	-	-	168-0
2656.00	cut	Sh/Clst: ol blk	-	-	-	-	7	447	175-2
2676.00	ccp	bulk	NDP	-	-	0	-	-	259-0
2712.00	ccp	Sh/Clst: drk gy	-	-	-	-	7-7.5	448	242-1
2729.00	ccp	bulk	0.71	26	0.07	6+7+8	-	-	245-0
2729.00	ccp	Sh/Clst: drk gy	-	-	-	-	NDP	451	245-1

Table 6 : Thermal Maturity Data for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
2797.00	cut bulk	0.68	31	0.06	6+7+8	-	-	182-0
2830.50	ccp S/Sst : dsk y brn	-	-	-	-	NDP	455	252-1
2836.60	ccp bulk	NDP	-	-	0	-	-	253-0
2907.75	ccp bulk	0.75	20	0.05	7+8	-	-	256-0
2988.00	ccp bulk	0.81	25	0.06	0	-	-	257-0
2988.00	ccp Sh/Clst: ol blk to drk gy	-	-	-	-	NDP	450	257-1
3037.00	cut bulk	0.90	37	0.11	0	-	-	206-0
3085.00	cut bulk	0.92	35	0.08	0	-	-	222-0

Table 7 : Visual Kerogen Composition Data for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	LIP %	Al	LS	C	R	A	D	A	B	I	N	F	S	I	M	S	B	V	C	V	A	B	Sample
			%	L	t	l	n	e	f	l	t	R	%	n	s	t	n	o	I	%	n	n	t	V	
2160.00	cut	Sltst : ol gy	10	**	*							40	*	*					50		*	**			017-2
2190.00	cut	Sltst : ol gy	10	*	**							50	?	**	*				40		*	*			027-1
2241.00	cut	Sh/Clst: drk gy to m drk gy	10	**	*							30	*	*					60	*	**	*			043-1
2268.00	cut	Sh/Clst: brn gy to brn blk	5	*	*							25	*	*					70	*	**	*			052-2
2286.00	cut	Sh/Clst: ol blk	20	**	*							20	*	**					60		*	**			057-1
2364.00	cut	Sh/Clst: ol blk	10	*								15	*	**					75		**	*			083-1
2442.00	cut	Sh/Clst: ol blk	5	**	*							10	?	*					85		*	*			108-5
2460.00	cut	Sh/Clst: ol blk	5	*	*							10		*					85		*	*			114-1
2514.00	cut	Sh/Clst: ol blk	10	*								10	*	*					80		*	**			132-3
2538.00	cut	Sh/Clst: ol blk	5	*								5		*					90	*	*	**			139-1
2568.00	cut	Sh/Clst: ol blk	5	*								10	*	*					85	*	**	*			149-1
2611.00	cut	Sh/Clst: ol blk	TR	?								30	**	*					70		*	**			162-1
2656.00	cut	Sh/Clst: ol blk	10	**	*							10		*					80	*	*	*			175-2

Table 7 : Visual Kerogen Composition Data for well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	L I P T %	A m o r L t	L i p p o r D e l	S p / P o l	C u t P i c l	R e s i n e	A l g a l	D i n o f l	A c r i t L	I N E R T %	F u s i n	S e m F u s	I n t D r e t	M i c r o i n	S c l e r o i	V I T R %	T e l l i n	C o l l i n	V i t D r e t	A m o r B i t	V V	Smple
2712.00	ccp	Sh/Clst: drk gy	5	*	?							60	*	**	*			35		*	*			242-1
2729.00	ccp	Sh/Clst: drk gy	5	*								30	*	**	*			65		*	*	*		245-1
2830.50	ccp	S/Sst : dsk y brn	TR	*								10		*	*			90		*	*	*		252-1
2988.00	ccp	Sh/Clst: ol blk to drk gy	TR	*								10		*	*			90		*	*	*		257-1

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2292.00	cut	Sh/Clst: ol blk	5.23	17.82	40.08	36.87	5.06	059-1L
2448.00	cut	Sh/Clst: ol blk	10.15	23.08	34.32	32.45	5.19	110-5L
2508.00	cut	Sh/Clst: ol blk	7.58	22.92	34.42	35.08	8.26	130-3L
2514.00	cut	Sh/Clst: ol blk	5.26	17.20	34.04	43.50	8.52	132-3L
2538.00	cut	Sh/Clst: ol blk	6.39	20.57	33.76	39.28	6.37	139-1L
2583.00	cut	Sh/Clst: ol blk	9.46	23.09	32.93	34.51	7.27	153-1L
2605.00	cut	Sh/Clst: ol blk	20.03	16.04	29.32	34.61	15.28	160-1L
2626.00	cut	Sh/Clst: ol blk	8.01	25.80	36.71	29.48	1.87	165-2L
2656.00	cut	Sh/Clst: ol blk	6.96	19.17	33.41	40.47	4.86	175-2L
2662.00	cut	S/Sst : lt y brn	6.06	34.35	48.95	10.64	0.07	176-3L
2665.00	cut	S/Sst : lt y brn	3.89	34.06	51.98	10.05	0.31	177-3L
2676.90	ccp	S/Sst : drk y brn to pl y brn	2.99	19.18	34.45	43.38	0.28	240-1L
2705.40	ccp	S/Sst : drk gy to pl y brn	3.80	22.36	39.09	34.76	0.51	241-1L
2712.00	ccp	Sh/Clst: drk gy	10.49	31.25	43.84	14.43	2.22	242-1L
2718.00	ccp	S/Sst : drk y brn to dsk y brn	5.53	28.20	40.58	25.69	0.29	243-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7119/12-1

Depth unit of measure: m

Depth	Typ Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2720.10	ccp S/Sst : dsk y brn	6.02	30.76	41.40	21.82	0.18	244-1L
2729.00	ccp Sh/Clst: drk gy	7.11	24.79	42.79	25.31	2.20	245-1L
2752.70	ccp S/Sst : drk y brn to dsk y brn	4.39	21.22	37.51	36.88	0.56	246-1L
2755.50	ccp S/Sst : drk y brn to dsk y brn	5.11	25.33	41.65	27.92	0.85	247-1L
2758.20	ccp S/Sst : dsk y brn	2.12	24.86	35.44	37.57	0.47	254-1L
2780.00	ccp S/Sst : drk y brn	3.28	25.68	31.87	39.17	0.44	249-1L
2822.00	ccp S/Sst : drk y brn to dsk y brn	3.34	25.35	33.36	37.95	0.72	250-1L
2825.95	ccp Sh/Clst: ol blk	5.52	19.51	30.33	44.64	44.97	251-1L
2830.50	ccp S/Sst : dsk y brn	9.45	27.91	33.23	29.41	1.46	252-1L
2908.00	cut Coal	7.75	22.58	25.08	44.59	124.66	196-3L
2920.00	cut Sltst : m gy to m drk gy	7.99	26.09	32.28	33.62	2.88	197-4L
2988.00	ccp Sh/Clst: ol blk to drk gy	7.07	43.18	29.80	19.95	5.57	257-1L
3019.00	cut Sh/Clst: drk gy to m drk gy	4.64	16.76	37.09	41.51	4.14	200-2L
3031.00	cut S/Sst : y gy	1.94	22.81	47.65	27.60	0.44	204-1L
3058.00	cut Coal	6.91	27.42	29.73	35.94	69.68	213-2L

Table 9: Variation in Triterpane Distribution for Well NOCS 7119/12-1

Depth unit of measure: m

Depth	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
2605.00	Sh/Clst	0.50	0.34	0.22		0.51	0.34	0.79	-	-	-	0.18	0.92	0.35	0.11	57.88	160-1	
2676.90	S/Sst	0.29	0.22	0.21		0.70	0.41	0.69	-	-	-	0.17	0.89	0.40	0.10	67.58	240-1	
2718.00	S/Sst	0.37	0.27	0.20		0.73	0.42	0.58	-	-	-	0.14	0.88	0.41	0.11	65.64	243-1	
2729.00	Sh/Clst	1.07	0.52	0.29		0.66	0.40	0.69	-	-	-	0.15	0.88	0.40	0.14	59.47	245-1	
2752.70	S/Sst	0.33	0.25	0.17		0.75	0.43	0.40	-	-	-	0.16	0.94	0.43	0.07	64.13	246-1	
2780.00	S/Sst	0.31	0.23	0.17		0.76	0.43	0.38	-	-	-	0.16	0.93	0.43	0.07	63.30	249-1	
2822.00	S/Sst	0.31	0.24	0.14		0.65	0.39	0.24	-	-	-	0.23	0.92	0.40	0.11	62.60	250-1	
2825.95	Sh/Clst	1.33	0.57	0.27		0.61	0.38	0.69	-	-	-	0.07	0.89	0.41	0.18	59.53	251-1	
2830.50	S/Sst	0.35	0.26	0.15		0.84	0.46	0.29	-	-	-	0.19	0.92	0.45	0.09	62.39	252-1	
2988.00	Sh/Clst	1.11	0.53	0.45		0.83	0.45	1.41	-	-	-	0.28	0.91	0.55	0.34	58.18	257-1	

Table 10: Variation in Sterane Distribution for Well NOCS 7119/12-1

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Sample
2605.00	Sh/Clst	0.81	57.45	79.08	1.07	0.77	0.45	0.39	160-1
2676.90	S/Sst	0.68	47.46	78.06	0.76	0.79	0.21	0.17	240-1
2718.00	S/Sst	0.72	27.38	82.04	0.75	0.89	0.18	0.15	243-1
2729.00	Sh/Clst	0.59	47.51	79.80	0.84	0.81	0.24	0.20	245-1
2752.70	S/Sst	0.68	51.44	79.13	0.77	0.79	0.22	0.19	246-1
2780.00	S/Sst	0.60	55.37	76.93	0.61	0.75	0.21	0.18	249-1
2822.00	S/Sst	0.67	55.09	79.01	0.62	0.77	0.18	0.15	250-1
2825.95	Sh/Clst	0.52	49.03	73.43	0.44	0.74	0.15	0.14	251-1
2830.50	S/Sst	0.69	51.81	77.50	0.68	0.77	0.18	0.15	252-1
2988.00	Sh/Clst	0.69	53.03	80.85	0.82	0.80	0.33	0.29	257-1

Ratio1: $a / a + j$ Ratio2: $q / q + t * 100\%$ Ratio3: $2(r + s) / (q + t + 2(r + s)) * 100\%$ Ratio4: $a + b + c + d / h + k + l + n$ Ratio5: $r + s / r + s + q$ Ratio6: $u + v / u + v + q + r + s + t$ Ratio7: $u + v / u + v + i + m + n + q + r + s + t$

Table 11: Aromatisation of Steranes for Well NOCS 7119/12-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
2605.00	Sh/Clst	0.69	0.35	160-1
2718.00	S/Sst	0.64	0.73	243-1
2718.00	S/Sst	0.67	0.80	243-1
2729.00	Sh/Clst	0.89	0.50	245-1
2752.70	S/Sst	0.77	0.60	246-1
2780.00	S/Sst	0.76	0.64	249-1
2822.00	S/Sst	0.67	0.56	250-1
2825.95	Sh/Clst	0.87	1.00	251-1
2830.50	S/Sst	0.74	0.70	252-1
2988.00	Sh/Clst	0.88	1.00	257-1

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 12: Variation in Triaromatic Sterane Distribution for Well NOCS 7119/12-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
2605.00	Sh/Clst	0.95	0.96	0.87	0.86	0.89	160-1
2676.90	S/Sst	0.91	0.93	0.70	0.71	0.72	240-1
2718.00	S/Sst	0.89	0.93	0.75	0.68	0.73	243-1
2729.00	Sh/Clst	0.95	0.97	0.85	0.81	0.85	245-1
2752.70	S/Sst	0.96	0.97	0.86	0.85	0.89	246-1
2780.00	S/Sst	0.95	0.97	0.90	0.86	0.92	249-1
2822.00	S/Sst	0.92	0.94	0.79	0.75	0.82	250-1
2825.95	Sh/Clst	0.93	0.97	0.89	0.78	0.91	251-1
2830.50	S/Sst	0.93	0.95	0.85	0.82	0.87	252-1
2988.00	Sh/Clst	0.96	0.86	0.69	0.81	0.90	257-1

Ratio1: $a1 / a1 + g1$ Ratio2: $b1 / b1 + g1$ Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$ Ratio4: $a1 / a1 + e1 + f1 + g1$ Ratio5: $a1 / a1 + d1$

Table 13: Variation in Monoaromatic Sterane Distribution for Well NOCS 7119/12-1

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Sample</u>
2605.00	Sh/Clst	0.14	0.25	0.10	0.08	160-1
2718.00	S/Sst	0.47	0.63	0.31	0.35	243-1
2718.00	S/Sst	0.85	0.70	0.74	0.62	243-1
2729.00	Sh/Clst	0.17	0.28	0.10	0.07	245-1
2752.70	S/Sst	0.73	0.73	0.57	0.43	246-1
2780.00	S/Sst	0.74	0.80	0.56	0.50	249-1
2822.00	S/Sst	0.67	0.73	0.49	0.43	250-1
2825.95	Sh/Clst	0.18	0.18	0.12	0.07	251-1
2830.50	S/Sst	0.53	0.65	0.37	0.35	252-1
2988.00	Sh/Clst	0.14	0.39	0.11	0.12	257-1

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+Cl+D1+E1+F1+G1+H1+I1

Table 14: Sample Characterization of the hydrously pyrolysed sediment samples of the Troms residual Oil Project

Well: 7119/12-1

Depth (m)	Formation	Lithology	Temp (°C)	Sampno	Free HC (mg/grock) (mg/mgasph)	Pyrolysate (mg/grock) (mg/mgasph)	Tot. Pyrol (mg/grock) (mg/mgasph)	Tot. Gas (ml/grock) (ml/mgasph)
2758.00	STOE	Sst	310	Z13	-	0.27	0.27	0
+		(Asph)						
2780.00			370	Z12	-	0.09	0.09	0

Table 16a: Weight of EOM and Chromatographic Fraction for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	Rock Extracted (g)	EOM (mg)	Sat (mg)	Aro (mg)	Asph (mg)	NSO (mg)	HC (mg)	Non-HC (mg)	TOC(e) (%)	Sample
310	STOE Sst (Asph)	11.9	3.2	0.9	0.2	1.0	1.1	1.1	2.1	-	001-0B
370	2758.00+2780.00	10.9	1.5	0.8	0.2	0.2	0.3	1.0	0.5	-	002-0B

Table 16b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
310	STOE Sst (Asph)	268	75	16	84	92	92	176	001-0B
370	2758.00+2780.00	137	73	18	18	27	91	45	002-0B

Table 16c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (° C)	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
310	STOE	-	-	-	-	-	-	-	001-0B
	Sst (Asph)								
370	2758.00+2780.00	-	-	-	-	-	-	-	002-0B

Table 16d: Composition of material extracted from the rock (%) for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	Sat	Aro	Asph	NSO	HC	Non-HC	Sat	HC	Sample
		EOM	EOM	EOM	EOM	EOM	EOM	Aro	Non-HC	
310	STOE	28.13	6.25	31.25	34.37	34.38	65.63	450.00	52.38	001-0B
	Sst (Asph)									
370	2758.00+2780.00	53.33	13.33	13.33	20.00	66.67	33.33	400.00	200.00	002-0B

Table 17: Saturated Hydrocarbon Ratios for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
		nC17	Phytane	nC17 + nC18	nC18		
310	STOE	0.53	1.09	0.48	0.44	1.14	001-0B
370	Sst (Asph) 2758.00+2780.00	0.11	1.34	0.09	0.08	0.98	002-0B

Table 18: Aromatic Hydrocarbon Ratios for well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
310	STOE	-	-	-	-	-	-	-	-	-	001-0B
	Sst (Asph)										
370	2758.00+2780.00	-	-	-	-	-	-	-	-	-	002-0B

Table 20 Variation in Triterpane Distribution for Well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	B/A	B/B+A	B		C/E	C/C+E	X/E	Z/E	Z/C	Z/Z+E	Q/E	E/E+F	C+D		J1		Sample
				B+E+F										C+D+E+F	D+F/C+E	J1+J2%		
310	STOE Sst (Asph)	1.13	0.53	0.17	0.62	0.38	0.06	-	-	-	0.16	0.88	0.38	0.14	52.63			001-0
370	2758.00 + 2780.00	1.25	0.56	0.14	0.57	0.36	0.09	-	-	-	0.06	0.91	0.37	0.11	61.76			002-0

Table 21: Variation in Sterane Distribution for Well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Sample
310	STOE Sst (Asph)	0.57	41.57	69.62	1.06	0.73	0.42	0.38	001-0
370	2758.00 + 2780.00	0.51	49.02	68.09	0.58	0.69	0.10	0.09	002-0

Ratio1: $a / a + j$

Ratio2: $q / q + t * 100\%$

Ratio3: $2(r + s) / (q + t + 2(r + s)) * 100\%$

Ratio4: $a + b + c + d / h + k + l + n$

Ratio5: $r + s / r + s + q$

Ratio6: $u + v / u + v + q + r + s + t$

Ratio7: $u + v / u + v + i + m + n + q + r + s + t$

Table 22: Aromatisation of Steranes for Well 7119/12-1 HYPY

Depth unit of measure: m

<u>Temp (°C)</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
310	STOE Sst (Asph)	0.89	-	001-0
370	2758.00 + 2780.00	0.72	0.53	002-0

$$\text{Ratio1: } \frac{\text{C1+D1+E1+F1+G1+H1+I1}}{\text{C1+D1+E1+F1+G1+H1+I1} + \text{c1+d1+e1+f1+g1}}$$

$$\text{Ratio2: } \text{g1} / \text{g1} + \text{I1}$$

Table 23: Variation in Triaromatic Sterane Distribution for Well 7119/12-1 HYPY

Depth unit of measure: m

<u>Temp (°C)</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Ratio3</u>	<u>Ratio4</u>	<u>Ratio5</u>	<u>Sample</u>
310	STOE	1.00	1.00	0.89	1.00	0.89	001-0
	Sst (Asph)						
370	2758.00 + 2780.00	0.61	0.45	0.38	0.42	0.62	002-0

Ratio1: $a1 / a1 + g1$

Ratio2: $b1 / b1 + g1$

Ratio3: $a1 + b1 / a1 + b1 + c1 + d1 + e1 + f1 + g1$

Ratio4: $a1 / a1 + e1 + f1 + g1$

Ratio5: $a1 / a1 + d1$

Table 24: Variation in Monoaromatic Sterane Distribution for Well 7119/12-1 HYPY

Depth unit of measure: m

Temp (°C)	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Sample
310	STOE Sst (Asph)	0.52	0.40	0.31	0.22	001-0
370	2758.00 + 2780.00	0.37	0.26	0.16	0.13	002-0

Ratio1: A1 / A1 + E1
Ratio2: B1 / B1 + E1

Ratio3: A1 / A1 + E1 + G1
Ratio4: A1+B1 / A1+B1+C1+D1+E1+F1+G1+H1+I1