

TROMS RESIDUAL OIL

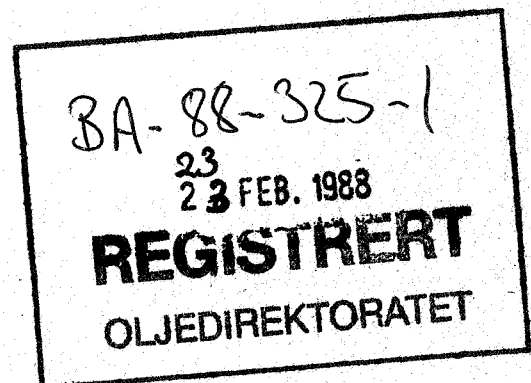
GEOCHEMICAL STUDY

Well NOCS 7120/12-2

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## INTRODUCTION

This well is in the Troms Area of the Barents Sea. The well lies to the south of the Askeladd Field.

A total of 294 samples was collected from the Norwegian Petroleum Directorate (NPD) in Stavanger. All of the samples were washed and described (1200 - 4680 m RKB). The whole of the sampling interval was analysed. The sample intervals are 5 m down to 2075 m, 15 m down to 2975 m and finally 30 m down to TD (4680 m RKB).

A careful selection was made of suitable samples for screening analysis, i.e. TOC and Rock-Eval analyses. 180 samples were selected for screening analysis and from the data obtained a number were chosen for further analysis as follows:

Thermal extraction - pyrolysis -  
gas chromatography 21 samples

Extraction, MPLC fractionation,  
saturated and aromatic hydrocarbon  
gas chromatography 14 samples

Vitrinite reflectance microscopy 28 samples

Visual kerogen analysis 11 samples

Gas chromatography - mass spectrometry 12 samples

Tables listing in detail which samples were analysed and  
results from the analyses, are shown in the appendix.

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
1200.00				001
	1.36	90		001-1
		10	Sh/Clst: m gy to drk gy, mic	001-2
			Cont : dd	
1205.00				002
		90	Sh/Clst: m gy to drk gy, mic	002-1
		10	Cont : dd	002-2
		tr	Ca : drk brn gy, dol	002-3
1210.00				003
	1.63	90	Sh/Clst: m gy to drk gy, mic	003-1
		10	Cont : dd	003-2
		tr	Ca : drk brn gy, dol	003-3
1215.00				004
		90	Sh/Clst: m gy to drk gy, mic	004-1
		10	Cont : dd	004-2
		tr	Ca : drk brn gy, dol	004-3
1220.00				005
	1.54	90	Sh/Clst: m gy to drk gy, mic	005-1
		10	Cont : dd	005-2
		tr	Ca : drk brn gy, dol	005-3
1225.00				006
		90	Sh/Clst: m gy to drk gy, mic	006-1
		10	Cont : dd	006-2
		tr	Ca : drk brn gy, dol	006-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1230.00				007
	1.59		90 Sh/Clst: m gy to drk gy, mic	007-1
			10 Cont : dd	007-2
			tr Ca : drk brn gy, dol	007-3
1235.00				008
			90 Sh/Clst: m gy to drk gy, mic	008-1
			10 Cont : dd	008-2
			tr Ca : drk brn gy, dol	008-3
1240.00				009
	1.42		90 Sh/Clst: m gy to drk gy, mic	009-1
			10 Cont : dd	009-2
			tr Ca : drk brn gy, dol	009-3
1245.00				010
			90 Sh/Clst: m gy to drk gy, mic	010-1
			10 Cont : dd	010-2
			tr Ca : drk brn gy, dol	010-3
1250.00				011
	1.54		90 Sh/Clst: m gy to drk gy, mic	011-1
			10 Cont : dd	011-2
			tr Ca : drk brn gy, dol	011-3
1255.00				012
			90 Sh/Clst: m gy to drk gy, mic	012-1
			10 Cont : dd	012-2
			tr Ca : drk brn gy, dol	012-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample		
Int	Cvd	TOC%	%	Lithology description		
1260.00						013
	1.52	90	Sh/Clst:	m gy to drk gy, mic		013-1
		10	Cont	: dd		013-2
		tr	Ca	: drk brn gy, dol		013-3
1265.00						014
		90	Sh/Clst:	m gy to drk gy, mic		014-1
		10	Cont	: dd		014-2
		tr	Ca	: drk brn gy, dol		014-3
1270.00						015
	1.44	90	Sh/Clst:	m gy to drk gy, mic		015-1
		10	Cont	: dd		015-2
		tr	Ca	: drk brn gy, dol		015-3
1275.00						016
		90	Sh/Clst:	m gy to drk gy, mic		016-1
		10	Cont	: dd		016-2
		tr	Ca	: drk brn gy, dol		016-3
1280.00						017
	0.63	60	Sh/Clst:	drk gy to m drk gy, slt, mic		017-1
		40	Ca	: w, brn gy, brn blk, drk brn gy		017-2
1285.00						018
		50	Sh/Clst:	drk gy to m drk gy, slt, mic		018-1
		45	Ca	: w, brn gy, brn blk, drk brn gy, dol		018-2
		5	Other	: pyr		018-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1290.00				019
	0.44	70 Sh/Clst: drk gy to m drk gy, slt, mic		019-1
		20 Ca : blk, brn gy, brn blk, drk brn gy, dol, sid		019-2
		10 Cont : dd		019-3
1295.00				020
		80 Sh/Clst: drk gy to m drk gy, slt, mic		020-1
		10 Ca : blk, brn gy, brn blk, drk brn gy, dol, sid		020-2
		10 Cont : dd		020-3
1300.00				021
	1.79	80 Sh/Clst: drk gy to m drk gy, slt, mic		021-1
		10 Ca : blk, brn gy, brn blk, drk brn gy, dol, sid		021-2
		10 Cont : dd		021-3
1305.00				022
		90 Sh/Clst: drk gy to m drk gy, slt, mic		022-1
		5 Ca : blk, brn gy, brn blk, drk brn gy, dol, sid		022-2
		5 Cont : dd		022-3
1310.00				023
	1.72	60 Sh/Clst: drk gy to m drk gy, slt, mic		023-1
		30 Ca : blk, brn gy, brn blk, drk brn gy, m y brn to drk y brn, dol		023-2
		5 Cont : dd		023-3
		5 S/Sst : w, f, crs, l		023-4
		tr Sh/Clst: gn gy		023-5

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1315.00				024
		70 Sh/Clst: drk gy to m drk gy, slt, mic		024-1
		20 Ca : brn blk, m y brn to drk y brn, dol		024-2
		5 Cont : dd		024-3
		5 S/Sst : w, f, crs, l		024-4
		tr Other : pyr		024-5
1320.00				025
	1.55	90 Sh/Clst: drk gy to m drk gy, slt, mic		025-1
		10 Cont : dd		025-2
1325.00				026
		95 Sh/Clst: ol blk, drk gy to m drk gy, calc, pyr, mic, wx		026-1
		5 Ca : brn blk, m y brn to drk y brn, dol		026-2
1330.00				027
	2.06	95 Sh/Clst: ol blk, drk gy to m drk gy, calc, pyr, mic, wx		027-1
		5 Ca : brn blk, m y brn to drk y brn, dol		027-2
1335.00				028
		95 Sh/Clst: ol blk, drk gy to m drk gy, calc, pyr, mic, wx		028-1
		5 Ca : brn blk, m y brn to drk y brn, dol		028-2



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1340.00				029
	2.44	95 Sh/Clst: ol blk, drk gy to m drk gy, calc, pyr, mic, wx		029-1
		5 Ca : brn blk, m y brn to drk y brn, dol		029-2
1345.00				030
		95 Sh/Clst: ol blk, drk gy to m drk gy, calc, pyr, mic, wx		030-1
		5 Ca : brn blk, m y brn to drk y brn, dol		030-2
		tr Sh/Clst: red brn		030-3
1350.00				031
	2.88	95 Sh/Clst: ol blk, drk gy to m drk gy, calc, mic, wx		031-1
		5 Ca : brn blk, m y brn to drk y brn, dol		031-2
1355.00				032
		90 Sh/Clst: blk, ol blk, drk gy to m drk gy		032-1
		5 Ca : brn blk, m y brn to drk y brn, dol		032-2
		5 Sh/Clst: m gy, calc, slt, mic		032-3
1360.00				033
	3.14	80 Sh/Clst: blk, ol blk, drk gy to m drk gy		033-1
		15 Sh/Clst: m gy, calc, slt, mic		033-3
		5 Ca : brn blk, m y brn to drk y brn, dol		033-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1365.00				034
		90 Sh/Clst: blk, brn blk, ol blk, drk gy to m drk gy		034-1
		10 Sh/Clst: m gy, calc, slt, mic		034-3
1370.00				035
	2.63	90 Sh/Clst: blk, brn blk, ol blk, drk gy to m drk gy		035-1
		5 Ca : brn blk, m y brn to drk y brn, dol		035-2
		5 Sh/Clst: m gy, calc, slt, mic		035-3
1375.00				036
		80 Sh/Clst: blk, brn blk, ol blk, drk gy to m drk gy		036-1
		10 Sh/Clst: m gy, calc, slt, mic		036-3
		5 Ca : brn blk, m y brn to drk y brn, dol		036-2
		5 Cont : dd		036-4
1380.00				037
	2.55	90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		037-1
		5 Ca : brn blk, m y brn to drk y brn, dol		037-2
		5 Sh/Clst: m gy, calc, slt, mic		037-3
		tr Cont : dd		037-4
1385.00				038
		90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		038-1
		5 Ca : brn blk, m y brn to drk y brn, dol		038-2
		5 Sh/Clst: m gy, calc, slt, mic		038-3
		tr Cont : dd		038-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
1390.00					039
	2.65	90	Sh/Clst:	blk, ol blk, drk gy to m drk gy, pyr	039-1
		5	Ca	: brn blk, m y brn to drk y brn, dol	039-2
		5	Sh/Clst:	m gy, calc, slt, mic	039-3
			tr Cont	: dd	039-4
1395.00					040
		90	Sh/Clst:	blk, ol blk, drk gy to m drk gy, pyr	040-1
		5	Ca	: brn blk, m y brn to drk y brn, dol	040-2
		5	Sh/Clst:	m gy, calc, slt, mic	040-3
			tr Cont	: dd	040-4
1400.00					041
	2.29	90	Sh/Clst:	blk, ol blk, drk gy to m drk gy, pyr	041-1
		5	Ca	: brn blk, m y brn to drk y brn, dol	041-2
		5	Sh/Clst:	m gy, calc, slt, mic	041-3
			tr Cont	: dd	041-4
1405.00					042
		90	Sh/Clst:	blk, ol blk, drk gy to m drk gy, pyr	042-1
		5	Ca	: brn blk, m y brn to drk y brn, dol	042-2
		5	Sh/Clst:	m gy, calc, slt, mic	042-3
			tr Cont	: dd	042-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type	Trb	Sample	
Int Cvd	TOC%	%	Lithology description	
1410.00			043	
	1.53	90	Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr 5 Ca : brn blk, m y brn to drk y brn, dol 5 Sh/Clst: m gy, calc, slt, mic tr Cont : dd	043-1 043-2 043-3 043-4
1415.00			044	
		90	Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr 5 Ca : brn blk, m y brn to drk y brn, dol 5 Sh/Clst: m gy, calc, slt, mic tr Cont : dd	044-1 044-2 044-3 044-4
1420.00			045	
	1.39	90	Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr 5 Ca : brn blk, m y brn to drk y brn, dol 5 Sh/Clst: m gy, calc, slt, mic tr Cont : dd	045-1 045-2 045-3 045-4
1425.00			046	
		90	Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr 5 Ca : brn blk, m y brn to drk y brn, dol 5 Sh/Clst: m gy, calc, slt, mic tr Cont : dd	046-1 046-2 046-3 046-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1430.00				047
	1.61	90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		047-1
		5 Ca : brn blk, m y brn to drk y brn, dol		047-2
		5 Sh/Clst: m gy, calc, slt, mic		047-3
		tr Cont : dd		047-4
1435.00				048
		90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		048-1
		5 Ca : brn blk, m y brn to drk y brn, dol		048-2
		5 Sh/Clst: m gy, calc, slt, mic		048-3
		tr Cont : dd		048-4
1440.00				049
		90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		049-1
	1.29	5 Ca : brn blk, m y brn to drk y brn, dol		049-2
		5 Sh/Clst: m gy, calc, slt, mic		049-3
		tr Cont : dd		049-4
1445.00				050
		90 Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr		050-1
		5 Ca : brn blk, m y brn to drk y brn, dol		050-2
		5 Sh/Clst: m gy, calc, slt, mic		050-3
		tr Cont : dd		050-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
1450.00			051
	1.65	90	Sh/Clst: blk, ol blk, drk gy to m drk gy, pyr 051-1
		5	Ca : brn blk, m y brn to drk y brn, dol 051-2
		5	Sh/Clst: m gy, calc, slt, mic 051-3
		tr	Cont : dd 051-4
1458.00			052
		50	Sh/Clst: ol blk, drk gy to m drk gy, mic 052-1
		30	Sh/Clst: blk, carb, mic 052-3
		10	Ca : w, brn gy to lt gy, m y brn to drk y brn, dol 052-2
		10	Cont : dd 052-4
1460.00			053
	5.92	50	Sh/Clst: ol blk, drk gy to m drk gy, mic 053-1
		45	Sh/Clst: blk, carb, mic 053-3
		5	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol 053-2
1463.00			054
		50	Sh/Clst: blk, carb, mic 054-3
		40	Sh/Clst: ol blk, drk gy to m drk gy, mic 054-1
		10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol 054-2
1470.00			055
	5.48	70	Sh/Clst: blk, carb, mic 055-3
		20	Sh/Clst: ol blk, drk gy to m drk gy, mic 055-1
		10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol 055-2
		tr	Cont : prp 055-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
1475.00				056	
			50	Sh/Clst: blk, carb, mic	056-3
			40	Sh/Clst: ol blk, drk gy to m drk gy, mic	056-1
			10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol	056-2
1480.00				057	
			50	Sh/Clst: blk, carb, mic	057-3
			40	Sh/Clst: ol blk, drk gy to m drk gy, mic	057-1
		3.22	10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol	057-2
1485.00				058	
			60	Sh/Clst: ol blk, drk gy to m drk gy, mic	058-1
			30	Sh/Clst: blk, carb, mic	058-3
			10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol	058-2
1490.00				059	
			80	Sh/Clst: ol blk, drk gy to m drk gy, mic	059-1
			20	Sh/Clst: blk, carb, mic	059-3
		1.45	tr	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol	059-2
1495.00				060	
			50	Sh/Clst: ol blk, drk gy to m drk gy, mic	060-1
			30	Sh/Clst: blk, carb, mic	060-3
			15	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol	060-2
			5	S/Sst : brn gy, m gy, slt, cly, f	060-4
			tr	Other : pyr	060-5

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample		
Int	Cvd	TOC%	%	Lithology description		
1500.00						061
		0.40	50	Sh/Clst: red brn		061-1
			50	Sh/Clst: ol blk, drk gy to m drk gy, mic		061-2
1505.00						062
			55	Sh/Clst: ol blk, drk gy to m drk gy, mic		062-1
			30	Sh/Clst: blk, carb, s, mic		062-2
			10	Ca : w, brn gy, lt gy, m y brn to drk y brn, dol		062-3
			5	S/Sst : w, f		062-4
			tr	Coal : blk		062-5
			tr	Other : pyr		062-6
1510.00						063
		0.26	70	S/Sst : w, gy brn, carb, pyr, mic, f, crs, l, kln		063-1
			15	Sh/Clst: blk		063-2
		71.80	10	Coal : blk		063-3
			5	Ca : w, m y brn to drk y brn		063-4
1515.00						064
			60	Sh/Clst: ol blk, drk gy to m drk gy, mic		064-1
			20	S/Sst : w, gy brn, carb, pyr, mic, f, crs, l, kln		064-2
			10	Ca : w, m y brn to drk y brn		064-3
			10	Other : pyr		064-4
1520.00						065
		2.04	80	Sh/Clst: ol blk, m gy, drk gy to m drk gy, mic		065-1
			10	S/Sst : w, gy brn, pyr, mic, f		065-2
			10	Ca : brn gy, dol		065-3
			tr	Sh/Clst: blk, carb, mic		065-4



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
1525.00				066	
			50	Sh/Clst: ol blk, m gy, drk gy to m drk gy, mic	066-1
			20	S/Sst : w, gy brn, pyr, mic, f, crs	066-2
			20	Sh/Clst: blk, carb, mic	066-4
			10	Ca : brn gy, m y brn to drk y brn, dol	066-3
1535.00				067	
			45	Sh/Clst: ol blk, m gy, drk gy to m drk gy, mic	067-1
	3.35		45	Sh/Clst: blk, carb, mic	067-3
			10	Ca : brn gy, dol	067-2
1540.00				068	
	2.64		45	Sh/Clst: m gy, m drk gy, slt, mic	068-3
			40	Sh/Clst: blk, carb, pyr, mic	068-2
			10	Ca : pl y brn, dol	068-1
			5	S/Sst : w, gy brn, lt gy, pyr, f	068-4
1545.00				069	
			30	Ca : brn gy, pl y brn, dol	069-1
			30	Sh/Clst: m gy, m drk gy, slt, mic	069-3
			20	Sh/Clst: blk, carb, pyr, mic	069-2
			20	S/Sst : w, gy brn, lt gy, f	069-4
1550.00				070	
	1.47		50	Ca : brn gy, m y brn to pl y brn, dol	070-1
			20	Sh/Clst: blk, carb, pyr	070-2
			20	Sh/Clst: m gy, m drk gy, slt, mic	070-3
			10	S/Sst : w, gy brn, lt gy, f	070-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1555.00				071
			50	Ca : brn gy, m y brn to pl y brn, dol 071-1
			20	Sh/Clst: blk, carb, pyr 071-2
			20	Sh/Clst: m gy, m drk gy, slt, mic 071-3
			10	S/Sst : w, gy brn, lt gy, f 071-4
1560.00				072
	0.19		80	Ca : brn gy, m y brn to pl y brn, dol 072-1
			10	Sh/Clst: blk, carb, pyr 072-2
			10	Sh/Clst: m gy, m drk gy, slt, mic 072-3
1565.00				073
			70	S/Sst : w, mic, f, crs, l 073-4
			10	Ca : brn gy, m y brn to pl y brn, dol 073-1
			10	Sh/Clst: blk, carb, pyr 073-2
			10	Sh/Clst: m gy, m drk gy, slt, mic 073-3
1570.00				074
	0.05		70	S/Sst : w, mic, f, crs, l 074-4
			10	Ca : brn gy, m y brn to pl y brn, dol 074-1
			10	Sh/Clst: blk, carb, pyr 074-2
			10	Sh/Clst: m gy, m drk gy, slt, mic 074-3
1575.00				075
			40	Sh/Clst: m gy to m drk gy, slt, mic 075-3
			30	S/Sst : w, carb, mic, f, crs, l 075-4
			20	Ca : brn gy, m y brn to pl y brn, dol 075-1
			10	Sh/Clst: blk, carb, pyr 075-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
1580.00				076
	0.13	80	S/Sst : w, carb, mic, f, crs, l	076-3
		10	Ca : brn gy, m y brn to pl y brn, dol	076-1
		10	Sh/Clst: m gy to m drk gy, slt, mic	076-2
1585.00				077
		80	S/Sst : w, calc, f, crs, l	077-2
		20	Sh/Clst: m gy to m drk gy, slt, mic	077-1
		tr	Cont : Coal-ad	077-3
1590.00				078
	0.11	60	S/Sst : w, calc, f, crs, l	078-2
		30	Sh/Clst: blk, brn gy, ol blk, m gy to m drk gy, mic	078-1
		10	Ca : brn gy, m y brn to pl y brn, dol	078-4
		tr	Cont : Coal-ad	078-3
		tr	Coal : blk	078-5
1595.00				079
		90	Sh/Clst: brn blk, slt, s, mic	079-1
		10	Sh/Clst: m drk gy	079-2
		tr	Ca : brn gy	079-3
1600.00				080
	0.08	70	S/Sst : w, calc, carb, f, crs, l	080-3
		30	Sh/Clst: m drk gy	080-2
		tr	Sh/Clst: brn blk, slt, s, mic	080-1
		tr	Coal : blk, s	080-4
		tr	Cont : Coal-ad	080-5

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
1608.00			081
		50	Sh/Clst: m drk gy, mic 081-1
		25	S/Sst : w, calc, f, crs, l 081-2
		25	Ca : brn gy, m y brn to pl y brn, dol 081-3
1613.00			082
		40	S/Sst : w, lt gy, calc, f, crs, l 082-1
		30	Sh/Clst: drk gy to m drk gy, mic 082-3
	0.30	20	Ca : brn gy, m y brn to pl y brn, dol 082-2
		10	Sh/Clst: lt ol gy, dol, wx 082-4
		tr	Sh/Clst: blk, carb, mic 082-5
1615.00			083
		40	S/Sst : w, lt gy, calc, f, crs, l 083-1
		30	Sh/Clst: drk gy to m drk gy, mic 083-3
		20	Ca : brn gy, m y brn to pl y brn, dol 083-2
		10	Sh/Clst: lt ol gy, dol, wx 083-4
		tr	Sh/Clst: blk, carb, mic 083-5
1620.00			084
		30	S/Sst : w, lt gy, calc, f, crs, l 084-1
		30	Ca : brn gy, m y brn to pl y brn, dol 084-2
		30	Sh/Clst: drk gy to m drk gy, mic 084-3
	1.48	10	Sh/Clst: blk, brn blk, mic 084-4
		tr	Coal : blk 084-5
1625.00			085
		95	Sh/Clst: brn blk, slt, mic 085-1
		5	Ca : drk y brn, dol 085-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
-----				
Lithology description				
-----				
1630.00				086
	1.95	60	Sh/Clst: drk gy to m drk gy, mic	086-1
		20	Ca : gy w, drk y brn, dol	086-2
		10	Sh/Clst: blk, brn blk, slt, mic	086-3
		10	S/Sst : w, f, crs, l	086-4
1635.00				087
		60	Sh/Clst: drk gy to m drk gy, mic	087-1
		20	Sh/Clst: brn blk, slt, mic	087-3
		10	Ca : gy w, drk y brn, dol	087-2
		10	S/Sst : w, f, crs, l	087-4
1640.00				088
	2.40	80	Sh/Clst: brn blk, slt, mic	088-3
		10	Sh/Clst: drk gy to m drk gy, mic	088-1
		10	Ca : w, gy w, pl y brn, dol	088-2
		tr	S/Sst : w, f	088-4
1645.00				089
		80	Sh/Clst: brn blk, slt, mic	089-3
		10	Sh/Clst: drk gy to m drk gy, mic	089-1
		10	Ca : w, gy w, pl y brn, dol	089-2
		tr	S/Sst : w, f	089-4
1650.00				090
		90	Ca : pl gy w, s, f, crs	090-1
		5	Sh/Clst: drk gy to m drk gy	090-2
	27.85	5	Coal : blk	090-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1655.00				091
			95	Sh/Clst: brn blk, slt, mic
			5	Sh/Clst: drk gy to m drk gy
			tr	Ca : brn gy, pl gy w, pl y brn, dol
				091-3
				091-2
				091-1
1660.00				092
	2.36		90	Sh/Clst: brn blk, slt, mic
			5	Ca : brn gy, pl gy w, pl y brn, dol
			5	Sh/Clst: drk gy to m drk gy
				092-3
				092-1
				092-2
1665.00				093
			95	Sh/Clst: brn blk, slt, mic
			5	Ca : brn gy, pl gy w, pl y brn, dol
			tr	Sh/Clst: drk gy to m drk gy
				093-3
				093-1
				093-2
1670.00				094
	2.02		80	Sh/Clst: brn blk, slt, mic
			10	Ca : brn gy, pl gy w, pl y brn, dol
			10	Sh/Clst: drk gy to m drk gy
				094-3
				094-1
				094-2
1675.00				095
			80	Sh/Clst: brn blk, slt, mic
			20	Sh/Clst: m drk gy
			tr	Ca : brn gy, pl y brn, dol
				095-3
				095-2
				095-1
1680.00				294
			90	Sh/Clst: brn blk, slt, mic
			10	Sh/Clst: m drk gy
			tr	Ca : brn gy, pl y brn, dol
				294-1
				294-2
				294-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1685.00				096
	3.58	95 Sh/Clst: brn blk, slt, mic		096-3
		5 Sh/Clst: m drk gy		096-2
		tr Ca : brn gy, pl y brn, dol		096-1
1690.00				097
		95 Sh/Clst: brn blk, slt, mic		097-3
		5 Sh/Clst: m drk gy		097-2
		tr Ca : brn gy, pl y brn, dol		097-1
1695.00				098
		30 Sh/Clst: m gy to drk gy, slt, mic		098-1
		30 Ca : w, brn gy, m y brn to pl y brn, dol		098-2
		30 S/Sst : w, f, crs, l		098-3
		10 Sh/Clst: blk, brn blk, slt, mic		098-4
1700.00				099
	2.84	100 Sh/Clst: blk, brn blk, mic		099-1
		tr Sh/Clst: m drk gy		099-2
1705.00				100
		70 Sh/Clst: blk, brn blk, mic		100-1
		30 Sh/Clst: m drk gy		100-2
1710.00				101
	4.53	100 Sh/Clst: brn blk, mic, fis		101-1
		tr Sh/Clst: m drk gy		101-2
		tr Coal : blk		101-3
		tr Ca : m y brn to pl y brn, dol		101-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%    %		
Lithology description			
1720.00			102
	80 Cont : cem		102-2
	3.67 20 Sh/Clst: blk, brn blk, mic		102-1
1725.00			103
	1.94 70 Sh/Clst: blk, brn blk, slt, mic		103-1
	20 Sh/Clst: m gy to m drk gy		103-2
	10 Ca : drk brn gy, m y brn to pl y brn, dol		103-3
	tr S/Sst : w, lt gy, mic, f		103-4
			104
			104-3
1735.00			293
	80 Sh/Clst: brn blk, drk brn gy, slt, mic		293-1
	20 Cont : cem, dd		293-2
1740.00			105
	4.17 100 Sh/Clst: brn blk, drk brn gy, slt, mic		105-1
	tr Cont : cem, dd		105-2
1745.00			106
	100 Sh/Clst: brn blk, drk brn gy, slt, mic		106-1
	tr Cont : cem, dd		106-2
1750.00			107
	4.28 90 Sh/Clst: brn blk, drk brn gy, slt, mic		107-1
	10 Cont : cem, dd		107-2



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
1755.00				108
			90	Sh/Clst: brn blk, drk brn gy, slt, mic
			10	Cont : cem, dd
1760.00				109
	4.60	100		Sh/Clst: brn blk, drk brn gy, slt, mic
			tr	Cont : cem, dd
1765.00				110
		100		Sh/Clst: brn blk, drk brn gy, slt, mic
			tr	Cont : cem, dd
1770.00				111
	4.70	100		Sh/Clst: brn blk, drk brn gy, slt, mic
			tr	Cont : cem, dd
1775.00				112
		60		S/Sst : w, f, crs, l
		30		Sh/Clst: m gy to m drk gy
		10		Cont : Coal-ad, prp, dd
1785.00				113
	3.78	100		Sh/Clst: brn blk, carb, pyr, mic
			tr	Cont : dd
1790.00				114
	3.55	100		Sh/Clst: brn blk, carb, pyr, mic
			tr	Cont : dd

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
1795.00				115
		80 S/Sst : w, f, crs, l		115-2
		10 Sh/Clst: brn blk, carb, pyr, mic		115-1
		10 Sh/Clst: m drk gy to drk gy		115-3
		tr Other : pyr		115-4
1800.00				116
	3.86	95 Sh/Clst: brn blk, carb, slt, mic		116-1
		5 Cont : cem, dd		116-2
1805.00				117
		95 Sh/Clst: brn blk, carb, slt, mic		117-1
		5 Cont : cem, dd		117-2
1810.00				118
	4.68	95 Sh/Clst: brn blk, carb, slt, mic		118-1
		5 Cont : cem, dd		118-2
1815.00				119
		95 Sh/Clst: brn blk, carb, slt, mic		119-1
		5 Cont : cem, dd		119-2
1820.00				120
	6.08	95 Sh/Clst: brn blk, carb, slt, mic		120-1
		5 Cont : cem, dd		120-2
1825.00				121
	6.51	95 Sh/Clst: brn blk, carb, slt, mic		121-1
		5 Cont : cem, dd		121-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
1830.00					122
		4.98	95	Sh/Clst: brn blk, carb, slt, mic	122-4
			5	Cont : cem, dd	122-5
1835.00					123
		7.91	95	Sh/Clst: brn blk, carb, slt, mic	123-1
			5	Cont : cem, dd	123-2
1840.00					124
		8.48	95	Sh/Clst: brn blk, carb, slt, mic	124-1
			5	Cont : cem, dd	124-2
1845.00					125
		8.97	95	Sh/Clst: brn blk, carb, slt, mic	125-1
			5	Cont : cem, dd	125-2
1850.00					126
		8.88	95	Sh/Clst: brn blk, carb, slt, mic	126-1
			5	Cont : cem, dd	126-2
1855.00					127
		10.58	95	Sh/Clst: brn blk, carb, slt, mic	127-1
			5	Cont : cem, dd	127-2
1860.00					128
		9.60	95	Sh/Clst: brn blk, carb, slt, mic	128-1
			5	Cont : cem, dd	128-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1865.00				129
	0.32	70 Sh/Clst: brn blk, carb, slt, mic 30 Ca : pl brn gy, pl y brn, slt, s, mic		129-4 129-5
1870.00				130
	0.27	50 Sh/Clst: brn gy, brn blk, drk brn gy, carb, slt, s, mic 25 Ca : pl brn gy, pl y brn, slt, s, mic 25 S/Sst : pl brn gy, pl y brn, calc, slt, mic		130-1 130-2 130-3
1875.00				131
		40 Ca : pl brn gy, pl y brn, slt, s, mic 30 Sh/Clst: brn gy, brn blk, drk brn gy, carb, slt, s, mic 30 S/Sst : pl brn gy, pl y brn, calc, slt, mic		131-2 131-1 131-3
1880.00				132
	0.26	40 Ca : pl brn gy, pl y brn, slt, s, mic 40 S/Sst : pl brn gy, pl y brn, calc, slt, mic 20 Sh/Clst: brn gy, brn blk, drk brn gy, carb, slt, s, mic		132-2 132-3 132-1
1885.00				133
		40 Ca : pl brn gy, pl y brn, slt, s, mic 40 S/Sst : pl brn gy, pl y brn, calc, slt, mic 20 Sh/Clst: brn gy, brn blk, drk brn gy, carb, slt, s, mic		133-2 133-3 133-1

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1890.00				134
	5.99	30 Ca : w, pl y brn, slt, s, mic, kln		134-1
		30 Cont : cem, prp, dd		134-4
		20 Sh/Clst: blk, brn blk, drk brn gy, s, mic		134-2
		20 S/Sst : w, pl y brn, calc, slt, mic, kln		134-3
1895.00				135
		40 Cont : cem, prp, dd		135-4
		25 Ca : w, carb, slt, s, kln		135-1
		25 S/Sst : w, calc, carb, slt, kln		135-3
		10 Sh/Clst: blk, brn blk, drk brn gy, s, mic		135-2
1900.00				136
		40 Cont : cem, prp, dd		136-4
	0.42	25 Ca : w, carb, slt, s, kln		136-1
		25 S/Sst : w, calc, carb, slt, kln		136-3
		10 Sh/Clst: blk, brn blk, drk brn gy, s, mic		136-2
1905.00				137
	0.09	40 Cont : cem, prp, dd		137-4
		25 Ca : w, carb, slt, s, kln		137-1
		25 S/Sst : w, calc, carb, slt, kln		137-3
		10 Sh/Clst: blk, brn blk, drk brn gy, s, mic		137-2
1910.00				138
		40 Cont : cem, prp, dd		138-4
		25 Ca : w, carb, slt, s, kln		138-1
		25 S/Sst : w, calc, carb, slt, kln		138-3
		10 Sh/Clst: blk, brn blk, drk brn gy, s, mic		138-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
1915.00				139
	0.31	60 S/Sst : w, pl y brn, calc, f, crs, l 20 Sh/Clst: blk, brn blk, mic 20 Cont : dd		139-2 139-1 139-3
1920.00				140
	0.13	80 S/Sst : w, pl y brn, calc, f, crs, l 10 Sh/Clst: blk 10 Cont : dd		140-2 140-1 140-3
1925.00				141
		80 S/Sst : w, pl y brn, calc, f, crs, l 10 Sh/Clst: blk 10 Cont : dd		141-2 141-1 141-3
1930.00				142
	0.28	80 S/Sst : w, pl y brn, calc, f, crs, l 10 Sh/Clst: blk 10 Cont : dd		142-2 142-1 142-3
1935.00				143
		100 S/Sst : w, pl y brn, calc, cly, f, crs, l tr Sh/Clst: blk		143-1 143-2
1940.00				144
	0.23	100 S/Sst : w, pl y brn, calc, cly, f, crs, l tr Sh/Clst: blk		144-1 144-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
1945.00				145
		100	S/Sst : w, pl y brn, calc, cly, f, crs, l tr Sh/Clst: blk	145-1 145-2
1950.00				146
	0.17	100	S/Sst : w, crs, l	146-1
1955.00				147
		100	S/Sst : w, crs, l	147-1
1960.00				148
	0.13	90	S/Sst : w, crs, l 10 Sh/Clst: blk, m gy	148-1 148-2
1965.00				149
		40	S/Sst : w, calc, kln	149-1
		30	S/Sst : w, f, crs, l	149-3
		20	Cont : Coal-ad, dd	149-4
		10	Sh/Clst: blk, drk gy	149-2
1970.00				150
	0.42	40	S/Sst : w, calc, kln	150-1
		30	S/Sst : w, f, crs, l	150-3
		20	Cont : Coal-ad, dd	150-4
		10	Sh/Clst: blk, drk gy	150-2
1975.00				151
		40	S/Sst : w, calc, kln	151-1
		30	S/Sst : w, f, crs, l	151-3
		20	Cont : Coal-ad, dd	151-4
		10	Sh/Clst: blk, drk gy	151-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
1982.00	ccp				286
	57.24	100	Coal : blk		286-1
1983.00	ccp				287
		100	Coal : blk		287-1
1985.00					152
	0.66	40	S/Sst : w, calc, kln		152-1
		30	S/Sst : w, f, crs, l		152-3
		20	Cont : Coal-ad, dd		152-4
		10	Sh/Clst: blk, drk gy		152-2
1990.00					153
		40	S/Sst : w, calc, kln		153-1
		30	S/Sst : w, f, crs, l		153-3
		20	Cont : Coal-ad, dd		153-4
		10	Sh/Clst: blk, drk gy		153-2
1998.00					154
		40	Cont : dd		154-3
		30	S/Sst : w, calc, kln		154-1
		30	Sh/Clst: gy blk, mic		154-2
2000.00					155
		40	Cont : dd		155-3
		30	S/Sst : w, calc, kln		155-1
	6.39	30	Sh/Clst: gy blk, mic		155-2



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2005.00				156
	1.88	80 S/Sst : w, calc, kln		156-1
		10 Sh/Clst: gy blk, mic		156-2
		10 Cont : dd		156-3
		tr Coal : blk		156-4
		tr S/Sst : w, crs, l		156-5
2006.00	ccp			288
		100 Coal : blk		288-1
2010.00				157
		40 S/Sst : w, calc, kln		157-1
		40 Cont : dd		157-3
		20 Sh/Clst: gy blk, mic		157-2
		tr Coal : blk		157-4
		tr S/Sst : w, crs, l		157-5
2015.00				158
		40 S/Sst : w, calc, kln		158-1
		40 Cont : dd		158-3
	5.50	20 Sh/Clst: gy blk, mic		158-2
		tr Coal : blk		158-4
		tr S/Sst : w, crs, l		158-5
2020.00				159
		40 S/Sst : w, calc, kln		159-1
		40 Cont : dd		159-3
		20 Sh/Clst: gy blk, mic		159-2
		tr Coal : blk		159-4
		tr S/Sst : w, crs, l		159-5

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
2023.00	ccp				289
		38.03	100	Sh/Clst: ol blk, carb, wx	289-1
2025.00					160
		28.85		40 S/Sst : w, calc, kln	160-1
				30 Cont : dd	160-3
				20 Sh/Clst: gy blk, mic	160-2
				10 Coal : blk	160-4
				tr S/Sst : w, crs, l	160-5
2030.00					161
				70 Cont : dd	161-3
				20 S/Sst : w, calc, kln	161-1
				10 Sh/Clst: gy blk, mic	161-2
2035.00					162
		0.24		60 Cont : dd	162-3
				20 S/Sst : w, calc, kln	162-1
				10 Sh/Clst: gy blk, mic	162-2
				10 Coal : blk	162-4
2038.50	ccp				290
		75.28	100	Coal : blk	290-1
2040.00					163
				70 S/Sst : w, calc, kln	163-1
				20 Cont : dd	163-3
				10 Sh/Clst: gy blk, mic	163-2
				tr Coal : blk	163-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
2041.00	ccp				291
		100	Coal : blk		291-1
2045.00					164
	67.89	50	Coal : blk		164-4
		30	S/Sst : w, calc, kln		164-1
		10	Sh/Clst: gy blk, mic		164-2
		10	Cont : dd		164-3
2050.00					165
		70	Cont : prp, dd		165-3
		10	S/Sst : w, calc, kln		165-1
		10	Sh/Clst: gy blk, mic		165-2
		10	Coal : blk		165-4
2055.00					166
	0.30	90	S/Sst : w, calc, f, kln		166-1
		10	Sh/Clst: gy blk, carb, mic		166-2
		tr	Coal : blk		166-3
2060.00					167
		90	S/Sst : w, calc, f, kln		167-1
		10	Sh/Clst: gy blk, carb, mic		167-2
		tr	Coal : blk		167-3
2065.00					168
	0.23	70	S/Sst : w, f		168-1
		20	Sh/Clst: blk, gy blk, carb, mic		168-2
		10	Coal : blk		168-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2070.00				169
		60 S/Sst : w, f		169-1
		30 Sh/Clst: blk, gy blk, carb, mic		169-2
		10 Cont : dd		169-3
2075.00				170
	0.25	85 S/Sst : w, f		170-1
		10 Coal : blk		170-3
		5 Sh/Clst: blk, gy blk, carb, mic		170-2
2105.00				171
		85 S/Sst : w, f		171-1
		10 Coal : blk		171-3
		5 Sh/Clst: blk, gy blk, carb, mic		171-2
2120.00				172
		70 S/Sst : w, f		172-1
		15 Sh/Clst: blk, gy blk, ol gy, carb, mic		172-2
	49.19	15 Coal : blk		172-3
2135.00				173
	0.42	90 S/Sst : w, brn gy, dol, crs		173-1
		10 Coal : blk, cly		173-2
2150.00				174
		50 S/Sst : w, brn gy, dol, f, crs		174-1
	66.17	50 Sh/Clst: blk, carb		174-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2165.00				175
	40.42	80 S/Sst : w, brn gy, mic, f 10 Sh/Clst: blk, brn gy, mic 10 Coal : blk		175-1 175-2 175-3
2180.00				176
	0.05	50 S/Sst : w, calc, mic, f, kln 20 Sh/Clst: blk 20 Coal : blk 10 Sltst : brn gy, cly tr Cont : dd		176-1 176-2 176-3 176-4 176-5
2195.00				177
	0.08	70 S/Sst : w, lt gy, f, kln 30 Sh/Clst: blk, drk gy tr Coal : blk		177-1 177-2 177-3
2210.00				178
	0.17	90 Sh/Clst: m gy to drk gy, blk 10 Cont : dd		178-1 178-2
2225.00				179
	0.08	50 Sh/Clst: m gy to drk gy, blk 30 S/Sst : w, lt gy, kln 20 Cont : dd		179-1 179-3 179-2
2226.50	ccp			292
	19.67	100 Sh/Clst: ol blk, carb, mic		292-1

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
2240.00				180
	0.24	90	Sh/Clst: m gy to drk gy, blk	180-1
		10	Cont : dd	180-2
2255.00				181
		50	Sh/Clst: m gy to drk gy, blk	181-1
		20	Cont : dd	181-2
	0.04	20	S/Sst : w, lt gy, kln	181-4
		10	Ca : brn gy, dol	181-3
2270.00				182
	0.28	95	S/Sst : w, calc, f, kln	182-1
		5	Sh/Clst: blk	182-2
2288.00				183
	4.37	60	Sh/Clst: blk, ol gy, m gy to drk gy	183-2
		30	S/Sst : w, calc, f, kln	183-1
		10	Coal : blk	183-3
2300.00				184
	0.08	90	S/Sst : w, calc, carb, f, kln	184-1
		5	Sh/Clst: blk	184-2
		5	Coal : blk	184-3
2315.00				185
		90	S/Sst : w, calc, carb, f, kln	185-1
		5	Sh/Clst: blk	185-2
		5	Coal : blk	185-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2330.00				186
	1.99	60 S/Sst : w, calc, carb, f, kln 40 Sh/Clst: blk, ol gy, m gy to drk gy		186-1 186-2
2345.00				187
		90 Sh/Clst: blk, ol gy, m gy to drk gy 10 S/Sst : w, calc, carb, f, kln		187-2 187-1
2360.00				188
	0.54	50 S/Sst : w, calc, carb, f, kln 50 Sh/Clst: blk, ol gy, m gy to drk gy		188-1 188-2
2375.00				189
	3.44	70 S/Sst : w, calc, carb, f, kln 30 Sh/Clst: blk, ol gy, m gy to drk gy		189-1 189-2
2390.00				190
	0.03	90 S/Sst : w, calc, carb, f, kln 10 Sh/Clst: blk, ol gy, m gy to drk gy		190-1 190-2
2405.00				191
		90 S/Sst : w, gn gy, f, crs, kln 10 Sh/Clst: ol gy, m gy to drk gy		191-1 191-2
2420.00				192
	0.29	50 S/Sst : w, gn gy, f, crs, kln 50 Sh/Clst: brn gy, gn gy, ol gy, wx		192-1 192-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2435.00				193
		50 Cont : dd		193-3
		30 Sh/Clst: blk, drk gy		193-1
		20 Ca : w		193-2
2450.00				194
	0.12	70 S/Sst : w, gn gy, calc, f, crs, kln		194-1
		20 Sh/Clst: brn gy, ol gy, wx		194-2
		10 Ca : w, s		194-3
2465.00				195
		80 S/Sst : w, gn gy, calc, f, crs, kln		195-1
		10 Sh/Clst: brn gy, ol gy, wx		195-2
		10 Ca : w, s		195-3
2480.00				196
	0.05	80 S/Sst : w, gn gy, calc, f, crs, kln		196-1
		10 Sh/Clst: brn gy, ol gy, wx		196-2
		10 Ca : w, s		196-3
2495.00				197
		50 S/Sst : w, lt gy, calc, f, crs, kln		197-1
		30 Cont : Coal-ad		197-4
		10 Sh/Clst: brn gy, ol gy, wx		197-2
		10 Ca : w, s		197-3
2510.00				198
	0.08	80 S/Sst : w, lt gy, calc, f, crs, kln		198-1
		10 Ca : w, pl y brn, s		198-3
		5 Sh/Clst: brn gy, m gy, s, mic		198-2
		5 Cont : Coal-ad		198-4



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2525.00				199
		80 S/Sst : w, lt gy, calc, f, crs, kln		199-1
		10 Ca : w, pl y brn, s		199-3
		5 Sh/Clst: brn gy, m gy, s, mic		199-2
		5 Cont : Coal-ad		199-4
2540.00				200
		80 S/Sst : w, lt gy, calc, f, crs, kln		200-1
		10 Sh/Clst: brn gy, m gy to m drk gy, s, mic		200-2
		10 Ca : w, pl y brn, s		200-3
		tr Cont : Coal-ad		200-4
2555.00				201
		90 S/Sst : w, lt gy, calc, f, crs, kln		201-1
		5 Sh/Clst: brn gy, m gy to m drk gy, s, mic		201-2
		5 Ca : w, pl y brn, s		201-3
		tr Cont : Coal-ad		201-4
2570.00				202
	2.37	60 S/Sst : w, lt gy, calc, f, crs, kln		202-1
		20 Sh/Clst: drk gy to m drk gy, calc, slt, s, mic		202-2
		20 Ca : w, pl y brn, s		202-3
2585.00				203
		60 S/Sst : w, lt gy, calc, f, crs, kln		203-1
		20 Sh/Clst: drk gy to m drk gy, calc, slt, s, mic		203-2
		20 Ca : w, pl y brn, s		203-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
2600.00				204
	1.09	50 S/Sst : w, lt gy, calc, f, crs, kln		204-1
		30 Sh/Clst: drk gy to m drk gy, calc, slt, s, mic		204-2
		20 Ca : w, pl y brn, s		204-3
2615.00				205
		60 S/Sst : w, lt gy, calc, slt, mic, f, kln		205-1
		30 Sh/Clst: ol gy, drk gy to m drk gy, slt, mic, wx		205-2
		10 Ca : w, pl y brn, s		205-3
		tr Cont : dd		205-4
2630.00				206
	2.97	60 S/Sst : w, lt gy, calc, slt, mic, f, kln		206-1
		30 Sh/Clst: ol gy, drk gy to m drk gy, slt, mic, wx		206-2
		10 Ca : w, pl y brn, s		206-3
		tr Cont : dd		206-4
2645.00				207
		40 S/Sst : w, lt gy, calc, slt, mic, f, kln		207-1
		30 Sh/Clst: ol gy, drk gy to m drk gy, slt, mic		207-2
		20 Ca : w, brn gy, pl y brn, s, dol		207-3
		10 Cont : cem, dd		207-4
2660.00				208
	0.09	90 S/Sst : w, lt gy, calc, slt, mic, f, kln		208-1
		5 Sh/Clst: ol gy, drk gy to m drk gy, slt, mic		208-2
		5 Ca : w, brn gy, pl y brn, s, dol		208-3
		tr Cont : cem, dd		208-4

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
2673.00				209
			60	Sh/Clst: m gy to drk gy, ol blk, carb, lam 209-1
			20	Cont : dd 209-4
			10	Ca : brn gy, pl y brn, dol 209-2
			10	Sh/Clst: lt gy 209-3
2690.00				210
	0.38		70	S/Sst : w, calc, slt, mic, f, kln 210-1
			10	Sh/Clst: blk, gn gy, drk gy to m drk gy, mic 210-2
			10	Ca : brn gy, pl y brn, dol 210-3
			10	Cont : cem, dd 210-4
2705.00				211
			80	Ca : w, ol gy, lt gn gy, pl y brn 211-1
			15	Cont : dd 211-3
			5	Sh/Clst: drk gy, mic 211-2
2715.00				212
	0.23		70	Sh/Clst: blk, brn blk, carb, pyr, slt, lam 212-1
			30	Sh/Clst: ol gy, calc 212-2
2730.00				213
	0.38		70	Sh/Clst: blk, brn blk, carb, pyr, slt, lam 213-1
			30	Sh/Clst: ol gy, calc 213-2
2745.00				214
	0.14		60	Sh/Clst: blk, brn blk, carb, pyr, slt, lam 214-1
			40	Sh/Clst: ol gy, calc 214-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2760.00				215
		80	Sh/Clst: blk, brn blk, carb, pyr, slt, lam	215-1
		20	Sh/Clst: ol gy, calc	215-2
2775.00				216
		80	Ca : w, s, mic	216-1
		10	Sh/Clst: brn blk, mic	216-2
		10	Cont : cem, dd	216-3
2790.00				217
		70	Sh/Clst: blk, brn blk, drk gy, carb, mic, lam	217-1
		30	Sh/Clst: brn gy, ol gy, carb	217-2
2805.00				218
	0.92	80	Sh/Clst: blk, brn blk, drk gy, carb, mic, lam	218-1
		10	Sh/Clst: brn gy, gn gy, ol brn, carb	218-2
		10	Ca : brn gy, pl y brn, s, dol	218-3
2820.00				219
		95	Sh/Clst: blk, brn blk, carb, lam	219-1
		5	Coal : blk	219-2
2835.00				220
		95	Sh/Clst: blk, brn blk, carb, lam	220-1
		5	Coal : blk	220-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
2850.00				221
		95		221-1
		5		221-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2865.00				222
	0.14	95		222-1
		5		222-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2880.00				223
		95		223-1
		5		223-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2895.00				224
	0.18	95		224-1
		5		224-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2910.00				225
		95		225-1
		5		225-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2925.00				226
	0.18	95		226-1
		5		226-2
		Sh/Clst: blk, brn blk, carb, lam		
		Coal : blk		
2955.00				227
	0.29	90		227-1
		10		227-2
		tr		227-3
		Sh/Clst: blk, brn blk, carb		
		S/Sst : w, carb, mic, f		
		Sh/Clst: brn gy, m gy to m drk gy, slt, mic		

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
2975.00				228	
			90	Sh/Clst: blk, brn blk, carb	228-1
			10	S/Sst : w, carb, mic, f	228-2
			tr	Sh/Clst: brn gy, m gy to m drk gy, slt, mic	228-3
3003.00				229	
		0.08	50	Sh/Clst: blk, brn blk, carb	229-1
			40	S/Sst : w, carb, mic, f, kln	229-2
			10	Sh/Clst: brn gy, m gy to m drk gy, mic	229-3
3035.00				230	
		1.33	50	Sh/Clst: blk, brn blk, carb	230-1
			50	Sh/Clst: brn gy, ol gy, m gy to m drk gy, mic, st, wx	230-2
3065.00				231	
		0.19	60	Sh/Clst: brn gy, ol gy, m gy to m drk gy, mic, wx, fis	231-2
			30	Sh/Clst: blk, brn blk, carb	231-1
			10	S/Sst : w, pl brn gy, kln	231-3
3095.00				232	
		0.74	90	Sh/Clst: brn gy, ol gy, m gy to m drk gy, mic, wx	232-2
			10	Sh/Clst: blk, brn blk	232-1
3125.00				233	
		0.22	90	S/Sst : w, calc, mic, glauc, f, st	233-1
			10	Cont : Coal-ad, cem, dd	233-3
			tr	Sh/Clst: gn gy, mic	233-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3155.00				234
	0.61	70	S/Sst : w, calc, mic, glauc, f, st	234-1
		20	Sh/Clst: gn gy, mic	234-2
		10	Cont : Coal-ad, cem, prp, dd	234-3
3185.00				235
	0.13	70	S/Sst : w, calc, mic, glauc, f, st	235-1
		20	Cont : Coal-ad, cem, prp, dd	235-3
		10	Sh/Clst: gn gy, mic	235-2
3215.00				236
	0.13	80	S/Sst : w, calc, mic, glauc, f, st	236-1
		10	Sh/Clst: gn gy, mic	236-2
		10	Cont : Coal-ad, cem, prp, dd	236-3
3245.00				237
	0.14	70	S/Sst : w, calc, mic, glauc, f, st	237-1
		20	Sh/Clst: gn gy, mic	237-2
		10	Cont : Coal-ad, cem, prp, dd	237-3
3275.00				238
	0.11	80	S/Sst : w, calc, mic, glauc, f, st	238-1
		20	Sh/Clst: gn gy, mic	238-2
		tr	Cont : Coal-ad, cem, prp, dd	238-3
3305.00				239
	0.13	50	Sh/Clst: gn gy, m gy to m drk gy, mic, wx	239-1
		40	S/Sst : w, calc, mic, f	239-2
		10	Cont : prp, dd	239-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3335.00				240
	0.08	70	S/Sst : w, calc, mic, f	240-2
		20	Ca : w, s	240-3
		10	Sh/Clst: gn gy, m gy to m drk gy, mic	240-1
3365.00				241
	0.07	70	S/Sst : w, lt gy, calc, mic, f	241-2
		20	Sh/Clst: gn gy, ol gy, m gy to m drk gy, mic	241-1
		10	Cont : Coal-ad, prp, dd	241-3
3395.00				242
	0.23	90	Sh/Clst: ol gy, slt, mic, st	242-1
		10	Cont : prp, dd	242-2
3425.00				243
	0.17	90	Sh/Clst: blk, drk gy, carb	243-1
		10	Cont : prp, dd	243-3
		tr	Sh/Clst: lt gy to m gy, mic, st	243-2
3455.00				244
	0.12	90	Sh/Clst: blk, drk gy, carb	244-1
		10	Cont : prp, dd	244-3
		tr	Sh/Clst: lt gy to m gy, mic, st	244-2
3485.00				245
	0.10	80	Sh/Clst: blk, drk gy, carb	245-1
		10	Sh/Clst: lt gy to m gy, mic, st	245-2
		10	Cont : prp, dd	245-3



Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3515.00				246
	0.22	90 Sh/Clst: blk, drk gy, carb 10 Sh/Clst: lt gy to m gy, mic, st tr Cont : prp, dd		246-1 246-2 246-3
3545.00				247
	0.40	90 Sh/Clst: blk, drk gy, carb 10 Sh/Clst: lt gy to m gy, mic, st tr Cont : prp, dd		247-1 247-2 247-3
3575.00				248
	0.22	50 Sh/Clst: brn gy, ol gy, lt gy to m gy, mic 20 Sh/Clst: blk, brn blk, carb 20 Cont : Coal-ad, dd 10 Sh/Clst: w, calc		248-1 248-2 248-4 248-3
3605.00				249
	0.17	70 Sh/Clst: brn gy, ol gy, lt gy to m gy, carb, mic 20 Sh/Clst: blk, brn blk, carb 10 Cont : dd		249-1 249-2 249-3
3635.00				250
	0.18	70 Sh/Clst: brn gy, ol gy, lt gy to m gy, carb, mic 20 Sh/Clst: blk, brn blk, carb 10 Cont : dd		250-1 250-2 250-3
3665.00				251
	0.23	85 Sh/Clst: brn gy, ol gy, lt gy to m gy, slt, mic, st, lam 10 Cont : Coal-ad, dd, tar-ad 5 Sh/Clst: blk, brn blk, carb		251-1 251-3 251-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3695.00				252
	0.28	100	Sh/Clst: brn gy, ol gy, lt gy to drk gy, slt, mic, st, lam	252-1
			tr Cont : dd	252-2
3725.00				253
		90	Sh/Clst: brn gy, ol gy, lt gy to drk gy, mic, st, lam	253-1
		10	Cont : Coal-ad, prp, dd	253-2
			tr S/Sst : w, f	253-3
3755.00				254
		50	Sh/Clst: brn gy, ol gy, lt gy to drk gy, mic	254-1
	0.22	50	S/Sst : w, f, crs, l	254-3
			tr Cont : prp, dd	254-2
3785.00				255
		90	Sh/Clst: brn gy, ol gy, lt gy to drk gy, mic	255-1
		10	S/Sst : w, f, crs, l	255-3
			tr Cont : prp, dd	255-2
3815.00				256
		50	Sh/Clst: brn gy, ol gy, lt gy to drk gy, mic	256-1
	0.23	40	S/Sst : w, f, crs, l	256-3
		10	Cont : prp, dd	256-2

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
3845.00				257
			70	S/Sst : w, crs, l 257-2
			30	Sh/Clst: blk, lt gy to drk gy, mic, lam 257-1
3875.00				258
	0.25		50	Sh/Clst: blk, carb 258-1
			30	Sh/Clst: lt gy to drk gy, mic, lam 258-2
			10	S/Sst : w, crs, l 258-3
			10	Cont : prp, dd 258-4
3905.00				259
	0.31		65	Sh/Clst: ol gy, lt gy to drk gy, slt, mic 259-1
			20	S/Sst : w, crs, l 259-2
			10	Ca : w, s 259-3
			5	Sh/Clst: blk, carb 259-4
3935.00				260
	0.13		50	Ca : brn gy, lt brn gy, s 260-3
			50	Sh/Clst: lt gy to m gy, mic 260-4
			tr	S/Sst : w, crs, l 260-1
			tr	Sh/Clst: blk, carb 260-2
			tr	Cont : mic, dd 260-5
3965.00				261
	0.11		70	Ca : brn gy, pl y brn, dol 261-1
			30	Sh/Clst: blk to drk gy, mic 261-2
3995.00				262
	0.15	100	Ca	: brn gy, pl y brn 262-1

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4025.00				263
	0.69	60 Sltst : blk, brn blk, drk gy to m drk gy, mic		263-2
		40 Ca : brn gy, pl y brn, s		263-1
		tr Cont : Coal-ad		263-3
4055.00				264
	0.11	100 Ca : brn gy, pl y brn, s		264-1
		tr Sh/Clst: drk gy		264-2
4085.00				265
	0.72	90 Sltst : blk, mic		265-2
		10 Ca : brn gy, pl y brn		265-1
4115.00				266
	0.33	100 Sh/Clst: lt gy to drk gy, mic, st, lam		266-1
		tr Ca : pl y brn		266-2
		tr Cont : Coal-ad		266-3
4145.00				267
	0.70	60 Sh/Clst: blk, carb		267-3
		30 Sh/Clst: lt gy to drk gy, mic, st, lam		267-1
		10 Cont : dd		267-2
4175.00				268
	0.64	100 Sh/Clst: blk, carb		268-1

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int Cvd	TOC%	%			
4205.00					269
		50	Sh/Clst: blk, carb		269-1
		50	Sh/Clst: lt gy to drk gy, mic		269-2
		tr Cont	: dd		269-3
4235.00					270
		70	Sh/Clst: blk, carb		270-1
		30	Sh/Clst: lt gy to drk gy, mic		270-2
		tr Cont	: dd		270-3
4265.00					271
	1.11	90	Sh/Clst: blk, carb		271-1
		10	Sh/Clst: lt gy to drk gy, mic		271-2
		tr Cont	: dd		271-3
4295.00					272
	0.78	90	Sh/Clst: blk, carb		272-1
		10	Sh/Clst: lt gy to drk gy, mic		272-2
		tr Cont	: dd		272-3
4325.00					273
	0.27	70	Sh/Clst: lt gy to drk gy, mic, st		273-2
		30	Sh/Clst: blk, carb		273-1
		tr Cont	: dd		273-3
4355.00					274
		70	Sh/Clst: lt gy to drk gy, mic, st		274-2
		30	Sh/Clst: blk, carb		274-1
		tr Cont	: dd		274-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type		Trb	Sample		
Int	Cvd	TOC%	%	Lithology description		
4385.00						275
		0.31	70	Sh/Clst: blk, carb		275-1
			30	Sh/Clst: lt gy to drk gy, mic, st		275-2
			tr	Cont : dd		275-3
4415.00						276
		0.40	70	Sh/Clst: blk, carb		276-1
			30	Sh/Clst: lt gy to drk gy, mic, st		276-2
			tr	Cont : dd		276-3
4445.00						277
		0.33	70	Sh/Clst: gn gy, lt gy to m gy, mic		277-1
			30	Cont : prp, dd		277-3
			tr	Sh/Clst: drk gy, mic		277-2
4475.00						278
			40	Sh/Clst: blk, carb		278-1
			40	Sh/Clst: gn gy, lt gy to m gy, slt, mic		278-2
			20	Cont : Coal-ad, prp, dd		278-3
4505.00						279
			40	Sh/Clst: blk, carb		279-1
			40	Sh/Clst: gn gy, lt gy to m gy, slt, mic		279-2
			20	Cont : Coal-ad, prp, dd		279-3
4535.00						280
			40	Sh/Clst: blk, carb		280-1
			40	Sh/Clst: gn gy, lt gy to m gy, slt, mic		280-2
			20	Cont : Coal-ad, prp, dd		280-3

Table 1 : Lithology description for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	%	Lithology description	
4565.00					281
		0.15	100 Ca	: lt brn gy, lt gy gy to drk gy	281-1
4595.00					282
			50 Ca	: lt brn gy, lt gy gy to drk gy, pl y brn	282-1
		0.09	50 S/Sst	: w, calc, mic, f	282-2
4625.00					283
		0.15	50 Ca	: lt brn gy, lt gy to drk gy, pl y brn	283-1
			50 S/Sst	: w, calc, mic, f	283-2
4655.00					284
		0.01	90 S/Sst	: pi, mic, f, crs	284-1
			10 Sh/Clst:	lt gy to m gy	284-2
4680.00					285
			80 Cont	: Coal-ad, prp, dd	285-3
		0.34	10 Sh/Clst:	drk gy, mic	285-1
			10 S/Sst	: w	285-2

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1200.00	cut	Sh/Clst: m gy to drk gy	1.04	0.60	0.47	1.28	1.36	44	35	1.6	0.63	424	001-1L
1210.00	cut	Sh/Clst: m gy to drk gy	1.01	0.87	0.62	1.40	1.63	53	38	1.9	0.54	427	003-1L
1220.00	cut	Sh/Clst: m gy to drk gy	1.03	0.65	0.98	0.66	1.54	42	64	1.7	0.61	429	005-1L
1230.00	cut	Sh/Clst: m gy to drk gy	1.13	0.74	0.61	1.21	1.59	47	38	1.9	0.60	430	007-1L
1240.00	cut	Sh/Clst: m gy to drk gy	1.31	0.54	0.46	1.17	1.42	38	32	1.9	0.71	427	009-1L
1250.00	cut	Sh/Clst: m gy to drk gy	1.34	0.72	0.81	0.89	1.54	47	53	2.1	0.65	425	011-1L
1260.00	cut	Sh/Clst: m gy to drk gy	1.22	0.62	0.58	1.07	1.52	41	38	1.8	0.66	427	013-1L
1270.00	cut	Sh/Clst: m gy to drk gy	0.65	0.76	1.09	0.70	1.44	53	76	1.4	0.46	426	015-1L
1280.00	cut	Ca : w, brn gy, brn blk, drk brn gy	0.20	0.37	1.18	0.31	0.63	59	187	0.6	0.35	423	017-2L
1290.00	cut	Ca : blk, brn gy, brn blk, drk brn gy	0.04	0.28	2.79	0.10	0.44	64	634	0.3	0.13	436	019-2L
1300.00	cut	Sh/Clst: drk gy to m drk gy	0.12	0.44	0.35	1.26	1.79	25	20	0.6	0.21	427	021-1L
1310.00	cut	Sh/Clst: drk gy to m drk gy	0.15	0.43	0.33	1.30	1.72	25	19	0.6	0.26	426	023-1L
1320.00	cut	Sh/Clst: drk gy to m drk gy	0.20	0.72	0.41	1.76	1.55	46	26	0.9	0.22	429	025-1L
1330.00	cut	Sh/Clst: ol blk, drk gy to m drk gy	0.19	1.71	0.22	7.77	2.06	83	11	1.9	0.10	430	027-1L



Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1340.00	cut	Sh/Clst: ol blk, drk gy to m drk gy	0.10	1.31	0.34	3.85	2.44	54	14	1.4	0.07	428	029-1L
1350.00	cut	Sh/Clst: ol blk, drk gy to m drk gy	0.21	2.30	0.67	3.43	2.88	80	23	2.5	0.08	432	031-1L
1360.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.27	2.52	0.57	4.42	3.14	80	18	2.8	0.10	432	033-1L
1370.00	cut	Sh/Clst: blk, brn blk, ol blk, drk gy to m drk gy	0.15	1.72	0.40	4.30	2.63	65	15	1.9	0.08	433	035-1L
1380.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.20	1.73	0.40	4.32	2.55	68	16	1.9	0.10	432	037-1L
1390.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.17	1.73	0.35	4.94	2.65	65	13	1.9	0.09	434	039-1L
1400.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.13	1.34	0.40	3.35	2.29	59	17	1.5	0.09	436	041-1L
1410.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.14	0.61	0.18	3.39	1.53	40	12	0.8	0.19	432	043-1L
1420.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.10	0.48	0.14	3.43	1.39	35	10	0.6	0.17	432	045-1L
1430.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.14	0.53	0.19	2.79	1.61	33	12	0.7	0.21	431	047-1L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1440.00	cut	Ca : brn blk, m y brn to drk y brn	0.10	0.37	0.08	4.63	1.29	29	6	0.5	0.21	432	049-2L
1450.00	cut	Sh/Clst: blk, ol blk, drk gy to m drk gy	0.18	0.66	0.16	4.13	1.65	40	10	0.8	0.21	431	051-1L
1460.00	cut	Sh/Clst: ol blk, drk gy to m drk gy	0.26	3.59	0.41	8.76	5.92	61	7	3.8	0.07	433	053-1L
1470.00	cut	Sh/Clst: blk	0.45	3.17	0.34	9.32	5.48	58	6	3.6	0.12	434	055-3L
1480.00	cut	Ca : w, brn gy, lt gy, m y brn to drk y brn	0.33	1.80	0.18	10.00	3.22	56	6	2.1	0.15	434	057-2L
1490.00	cut	Sh/Clst: ol blk, drk gy to m drk gy	0.09	0.44	0.03	14.67	1.45	30	2	0.5	0.17	431	059-1L
1500.00	cut	Sh/Clst: red brn	0.07	0.19	0.50	0.38	0.40	48	125	0.3	0.27	507	061-1L
1510.00	cut	S/Sst : w, gy brn	0.28	0.29	0.01	29.00	0.26	112	4	0.6	0.49	432	063-1L
1510.00	cut	Coal : blk	13.33	157.66	6.66	23.67	71.80	220	9	171.0	0.08	436	063-3L
1520.00	cut	Sh/Clst: ol blk, m gy, drk gy to m drk gy	0.25	1.19	0.35	3.40	2.04	58	17	1.4	0.17	431	065-1L
1535.00	cut	Sh/Clst: blk	0.48	2.01	0.08	25.13	3.35	60	2	2.5	0.19	433	067-3L
1540.00	cut	Sh/Clst: m gy, m drk gy	0.33	1.61	0.37	4.35	2.64	61	14	1.9	0.17	433	068-3L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1550.00	cut Ca	: brn gy, m y brn to pl y brn	0.08	0.49	0.18	2.72	1.47	33	12	0.6	0.14	430	070-1L
1560.00	cut Ca	: brn gy, m y brn to pl y brn	0.02	0.08	1.47	0.05	0.19	42	774	0.1	0.20	471	072-1L
1570.00	cut S/Sst	: w	0.10	0.05	0.13	0.38	0.05	100	260	0.2	0.67	397	074-4L
1580.00	cut S/Sst	: w	0.14	0.06	0.18	0.33	0.13	46	138	0.2	0.70	424	076-3L
1590.00	cut S/Sst	: w	0.10	0.09	0.11	0.82	0.11	82	100	0.2	0.53	419	078-2L
1600.00	cut S/Sst	: w	0.06	0.06	0.01	6.00	0.08	75	13	0.1	0.50	428	080-3L
1613.00	cut Ca	: brn gy, m y brn to pl y brn	0.01	0.20	2.84	0.07	0.30	67	947	0.2	0.05	460	082-2L
1620.00	cut Sh/Clst:	blk, brn blk	0.17	1.37	0.41	3.34	1.48	93	28	1.5	0.11	431	084-4L
1630.00	cut Sh/Clst:	drk gy to m drk gy	0.15	1.10	0.55	2.00	1.95	56	28	1.3	0.12	430	086-1L
1640.00	cut Sh/Clst:	brn blk	0.33	5.93	0.37	16.03	2.40	247	15	6.3	0.05	434	088-3L
1650.00	cut Coal	: blk	8.12	89.79	2.70	33.26	27.85	322	10	97.9	0.08	431	090-3L
1660.00	cut Sh/Clst:	brn blk	0.45	6.49	0.50	12.98	2.36	275	21	6.9	0.06	433	092-3L
1670.00	cut Sh/Clst:	brn blk	0.33	4.50	0.86	5.23	2.02	223	43	4.8	0.07	434	094-3L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1685.00	cut	Sh/Clst: brn blk	0.45	10.62	0.93	11.42	3.58	297	26	11.1	0.04	429	096-3L
1700.00	cut	Sh/Clst: blk, brn blk	0.35	7.77	1.17	6.64	2.84	274	41	8.1	0.04	432	099-1L
1710.00	cut	Sh/Clst: brn blk	0.47	12.84	1.40	9.17	4.53	283	31	13.3	0.04	427	101-1L
1720.00	cut	Sh/Clst: blk, brn blk	0.48	12.59	1.83	6.88	3.67	343	50	13.1	0.04	429	102-1L
1725.00	cut	Sh/Clst: blk, brn blk	0.29	4.07	1.72	2.37	1.94	210	89	4.4	0.07	436	103-1L
1740.00	cut	Sh/Clst: brn blk, drk brn gy	0.70	14.00	1.13	12.39	4.17	336	27	14.7	0.05	428	105-1L
1750.00	cut	Sh/Clst: brn blk, drk brn gy	1.24	14.65	1.72	8.52	4.28	342	40	15.9	0.08	429	107-1L
1760.00	cut	Sh/Clst: brn blk, drk brn gy	1.21	16.61	2.21	7.52	4.60	361	48	17.8	0.07	427	109-1L
1770.00	cut	Sh/Clst: brn blk, drk brn gy	1.35	18.38	2.03	9.05	4.70	391	43	19.7	0.07	427	111-1L
1785.00	cut	Sh/Clst: brn blk	1.26	16.23	3.69	4.40	3.78	429	98	17.5	0.07	427	113-1L
1790.00	cut	Sh/Clst: brn blk	1.20	15.48	3.24	4.78	3.55	436	91	16.7	0.07	428	114-1L
1800.00	cut	Sh/Clst: brn blk	1.35	15.83	3.08	5.14	3.86	410	80	17.2	0.08	427	116-1L
1810.00	cut	Sh/Clst: brn blk	1.25	16.63	2.77	6.00	4.68	355	59	17.9	0.07	427	118-1L
1820.00	cut	Sh/Clst: brn blk	1.49	20.47	3.21	6.38	6.08	337	53	22.0	0.07	426	120-1L
1825.00	cut	Sh/Clst: brn blk	1.33	19.35	3.27	5.92	6.51	297	50	20.7	0.06	424	121-1L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1830.00	cut	Sh/Clst: brn blk	1.20	16.61	2.76	6.02	4.98	334	55	17.8	0.07	425	122-4L
1835.00	cut	Sh/Clst: brn blk	2.05	21.34	1.55	13.77	7.91	270	20	23.4	0.09	421	123-1L
1840.00	cut	Sh/Clst: brn blk	1.85	20.97	2.27	9.24	8.48	247	27	22.8	0.08	422	124-1L
1845.00	cut	Sh/Clst: brn blk	1.93	23.45	2.16	10.86	8.97	261	24	25.4	0.08	420	125-1L
1850.00	cut	Sh/Clst: brn blk	1.89	24.24	3.06	7.92	8.88	273	34	26.1	0.07	422	126-1L
1855.00	cut	Sh/Clst: brn blk	2.25	27.16	2.93	9.27	10.58	257	28	29.4	0.08	421	127-1L
1860.00	cut	Sh/Clst: brn blk	1.97	20.11	2.89	6.96	9.60	209	30	22.1	0.09	425	128-1L
1865.00	cut	Ca : pl brn gy, pl y brn	0.20	0.32	0.93	0.34	0.32	100	291	0.5	0.38	432	129-5L
1870.00	cut	S/Sst : pl brn gy, pl y brn	0.19	0.30	0.60	0.50	0.27	111	222	0.5	0.39	430	130-3L
1880.00	cut	Ca : pl brn gy, pl y brn	0.28	0.34	0.66	0.52	0.26	131	254	0.6	0.45	430	132-2L
1890.00	cut	Ca : w, pl y brn	2.96	15.63	0.64	24.42	5.99	261	11	18.6	0.16	423	134-1L
1900.00	cut	S/Sst : w	0.99	0.63	4.86	0.13	0.42	150	1157	1.6	0.61	423	136-3L
1905.00	cut	Ca : w	0.39	0.07	0.23	0.30	0.09	78	256	0.5	0.85	392	137-1L
1915.00	cut	S/Sst : w, pl y brn	0.44	0.58	0.16	3.63	0.31	187	52	1.0	0.43	430	139-2L
1920.00	cut	S/Sst : w, pl y brn	0.26	0.25	0.09	2.78	0.13	192	69	0.5	0.51	428	140-2L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
1930.00	cut	S/Sst : w, pl y brn	0.68	0.57	0.21	2.71	0.28	204	75	1.3	0.54	429	142-2L
1940.00	cut	S/Sst : w, pl y brn	0.34	0.33	0.19	1.74	0.23	143	83	0.7	0.51	428	144-1L
1950.00	cut	S/Sst : w	0.49	0.25	0.20	1.25	0.17	147	118	0.7	0.66	426	146-1L
1960.00	cut	S/Sst : w	0.47	0.27	0.27	1.00	0.13	208	208	0.7	0.64	421	148-1L
1970.00	cut	S/Sst : w	1.62	0.66	3.09	0.21	0.42	157	736	2.3	0.71	426	150-1L
1982.00	ccp	Coal : blk	23.00	235.60	4.40	53.55	57.24	412	8	258.6	0.09	426	286-1L
1985.00	cut	S/Sst : w	1.81	1.47	5.90	0.25	0.66	223	894	3.3	0.55	427	152-1L
2000.00	cut	Sh/Clst: gy blk	3.78	18.87	0.74	25.50	6.39	295	12	22.7	0.17	421	155-2L
2005.00	cut	S/Sst : w	3.25	2.07	3.63	0.57	1.88	110	193	5.3	0.61	428	156-1L
2015.00	cut	Sh/Clst: gy blk	4.48	17.41	1.00	17.41	5.50	317	18	21.9	0.20	428	158-2L
2023.00	ccp	Sh/Clst: ol blk	9.36	150.21	3.61	41.61	38.03	395	9	159.6	0.06	436	289-1L
2025.00	cut	Coal : blk	8.80	72.40	9.00	8.04	28.85	251	31	81.2	0.11	429	160-4L
2035.00	cut	S/Sst : w	0.41	0.32	0.93	0.34	0.24	133	388	0.7	0.56	427	162-1L
2038.50	ccp	Coal : blk	8.80	192.00	5.60	34.29	75.28	255	7	200.8	0.04	423	290-1L
2045.00	cut	Coal : blk	11.15	177.11	8.65	20.48	67.89	261	13	188.3	0.06	430	164-4L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2055.00	cut	S/Sst : w	0.65	0.33	0.66	0.50	0.30	110	220	1.0	0.66	427	166-1L
2065.00	cut	S/Sst : w	0.30	0.31	0.17	1.82	0.23	135	74	0.6	0.49	431	168-1L
2075.00	cut	S/Sst : w	0.24	0.30	0.15	2.00	0.25	120	60	0.5	0.44	426	170-1L
2120.00	cut	Coal : blk	6.49	52.28	2.28	22.93	49.19	106	5	58.8	0.11	431	172-3L
2135.00	cut	S/Sst : w, brn gy	0.39	0.49	0.21	2.33	0.42	117	50	0.9	0.44	429	173-1L
2150.00	cut	Sh/Clst: blk	7.55	93.33	3.18	29.35	66.17	141	5	100.9	0.07	431	174-2L
2165.00	cut	Coal : blk	4.90	79.80	4.31	18.52	40.42	197	11	84.7	0.06	428	175-3L
2180.00	cut	S/Sst : w	0.10	0.07	0.30	0.23	0.05	140	600	0.2	0.59	392	176-1L
2195.00	cut	S/Sst : w, lt gy	0.19	0.07	0.49	0.14	0.08	88	613	0.3	0.73	404	177-1L
2210.00	cut	Sh/Clst: m gy to drk gy, blk	0.37	0.22	0.08	2.75	0.17	129	47	0.6	0.63	422	178-1L
2225.00	cut	Sh/Clst: m gy to drk gy, blk	0.37	0.08	0.25	0.32	0.08	100	313	0.5	0.82	374	179-1L
2226.50	ccp	Sh/Clst: ol blk	4.33	106.98	2.83	37.80	19.67	544	14	111.3	0.04	437	292-1L
2240.00	cut	Sh/Clst: m gy to drk gy, blk	0.38	0.14	0.12	1.17	0.24	58	50	0.5	0.73	426	180-1L
2255.00	cut	S/Sst : w, lt gy	0.10	0.09	0.05	1.80	0.04	225	125	0.2	0.53	416	181-4L
2270.00	cut	S/Sst : w	0.61	0.45	0.44	1.02	0.28	161	157	1.1	0.58	427	182-1L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2288.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	2.60	13.88	0.40	34.70	4.37	318	9	16.5	0.16	424	183-2L
2300.00	cut	S/Sst : w	0.10	0.06	0.25	0.24	0.08	75	313	0.2	0.63	430	184-1L
2330.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	1.33	4.18	0.40	10.45	1.99	210	20	5.5	0.24	430	186-2L
2360.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	0.48	0.67	0.17	3.94	0.54	124	31	1.1	0.42	432	188-2L
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	1.81	10.64	0.05	212.80	3.44	309	1	12.5	0.15	428	189-2L
2390.00	cut	S/Sst : w	0.11	0.03	0.12	0.25	0.03	100	400	0.1	0.79	430	190-1L
2420.00	cut	Sh/Clst: brn gy, gn gy, ol gy	0.08	0.32	0.13	2.46	0.29	110	45	0.4	0.20	430	192-2L
2450.00	cut	S/Sst : w, gn gy	0.17	0.11	0.08	1.38	0.12	92	67	0.3	0.61	434	194-1L
2480.00	cut	S/Sst : w, gn gy	0.17	0.03	0.12	0.25	0.05	60	240	0.2	0.85	402	196-1L
2510.00	cut	S/Sst : w, lt gy	0.15	0.06	0.09	0.67	0.08	75	113	0.2	0.71	423	198-1L
2570.00	cut	Sh/Clst: drk gy to m drk gy	0.97	4.46	0.22	20.27	2.37	188	9	5.4	0.18	435	202-2L
2600.00	cut	Sh/Clst: drk gy to m drk gy	0.48	0.99	0.37	2.68	1.09	91	34	1.5	0.33	439	204-2L
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	1.10	6.42	0.41	15.66	2.97	216	14	7.5	0.15	429	206-2L



Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
2660.00	cut	S/Sst : w, lt gy	0.11	0.09	0.26	0.35	0.09	100	289	0.2	0.55	435	208-1L
2690.00	cut	S/Sst : w	1.22	1.14	1.50	0.76	0.38	300	395	2.4	0.52	393	210-1L
2715.00	cut	Sh/Clst: blk, brn blk	0.25	0.19	0.19	1.00	0.23	83	83	0.4	0.57	436	212-1L
2730.00	cut	Sh/Clst: blk, brn blk	0.79	3.86	0.14	27.57	0.38	1016	37	4.7	0.17	432	213-1L
2745.00	cut	Sh/Clst: ol gy	0.13	0.06	0.18	0.33	0.14	43	129	0.2	0.68	404	214-2L
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	0.51	2.27	0.19	11.95	0.92	247	21	2.8	0.18	430	218-1L
2865.00	cut	Sh/Clst: blk, brn blk	0.24	-	0.12	-	0.14	-	86	0.2	1.00	-	222-1L
2895.00	cut	Sh/Clst: blk, brn blk	0.25	0.03	0.10	0.30	0.18	17	56	0.3	0.89	398	224-1L
2925.00	cut	Sh/Clst: blk, brn blk	0.25	-	0.12	-	0.18	-	67	0.3	1.00	-	226-1L
2955.00	cut	Sh/Clst: blk, brn blk	0.28	0.48	0.16	3.00	0.29	166	55	0.8	0.37	553	227-1L
3003.00	cut	S/Sst : w	0.05	0.04	0.22	0.18	0.08	50	275	0.1	0.56	400	229-2L
3035.00	cut	Sh/Clst: brn gy, ol gy, m gy to m drk gy	0.54	1.84	0.39	4.72	1.33	138	29	2.4	0.23	441	230-2L
3065.00	cut	S/Sst : w, pl brn gy	0.13	0.13	0.22	0.59	0.19	68	116	0.3	0.50	433	231-3L
3095.00	cut	Sh/Clst: brn gy, ol gy, m gy to m drk gy	0.19	0.92	0.23	4.00	0.74	124	31	1.1	0.17	442	232-2L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3125.00	cut	S/Sst : w	0.12	0.15	0.44	0.34	0.22	68	200	0.3	0.44	425	233-1L
3155.00	cut	Sh/Clst: gn gy	1.45	2.03	0.42	4.83	0.61	333	69	3.5	0.42	349	234-2L
3185.00	cut	S/Sst : w	0.05	0.06	0.36	0.17	0.13	46	277	0.1	0.45	545	235-1L
3215.00	cut	S/Sst : w	0.06	0.05	0.39	0.13	0.13	38	300	0.1	0.55	532	236-1L
3245.00	cut	Sh/Clst: gn gy	0.22	0.26	0.26	1.00	0.14	186	186	0.5	0.46	409	237-2L
3275.00	cut	S/Sst : w	0.03	0.05	0.32	0.16	0.11	45	291	0.1	0.38	549	238-1L
3305.00	cut	Sh/Clst: gn gy, m gy to m drk gy	0.07	0.13	0.20	0.65	0.13	100	154	0.2	0.35	519	239-1L
3335.00	cut	Ca : w	0.01	0.02	0.14	0.14	0.08	25	175	-	0.33	474	240-3L
3365.00	cut	S/Sst : w, lt gy	0.02	0.04	0.22	0.18	0.07	57	314	0.1	0.33	568	241-2L
3395.00	cut	Sh/Clst: ol gy	0.07	0.28	0.19	1.47	0.23	122	83	0.3	0.20	443	242-1L
3425.00	cut	Sh/Clst: blk, drk gy	0.13	0.13	0.59	0.22	0.17	76	347	0.3	0.50	538	243-1L
3455.00	cut	Sh/Clst: blk, drk gy	0.15	0.11	0.38	0.29	0.12	92	317	0.3	0.58	566	244-1L
3485.00	cut	Sh/Clst: blk, drk gy	0.07	0.15	0.47	0.32	0.10	150	470	0.2	0.32	573	245-1L
3515.00	cut	Sh/Clst: lt gy to m gy	0.33	0.31	0.17	1.82	0.22	141	77	0.6	0.52	460	246-2L
3545.00	cut	Sh/Clst: blk, drk gy	0.20	0.20	0.60	0.33	0.40	50	150	0.4	0.50	575	247-1L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3575.00	cut	Sh/Clst: brn gy, ol gy, lt gy to m gy	0.19	0.31	0.15	2.07	0.22	141	68	0.5	0.38	443	248-1L
3605.00	cut	Sh/Clst: brn gy, ol gy, lt gy to m gy	0.12	0.16	0.16	1.00	0.17	94	94	0.3	0.43	478	249-1L
3635.00	cut	Sh/Clst: brn gy, ol gy, lt gy to m gy	0.11	0.34	0.07	4.86	0.18	189	39	0.5	0.24	512	250-1L
3665.00	cut	Sh/Clst: brn gy, ol gy, lt gy to m gy	0.11	1.33	0.11	12.09	0.23	578	48	1.4	0.08	440	251-1L
3695.00	cut	Sh/Clst: brn gy, ol gy, lt gy to drk gy	0.13	0.40	0.17	2.35	0.28	143	61	0.5	0.25	446	252-1L
3755.00	cut	S/Sst : w	0.13	0.31	0.20	1.55	0.22	141	91	0.4	0.30	438	254-3L
3815.00	cut	S/Sst : w	0.13	0.28	0.21	1.33	0.23	122	91	0.4	0.32	439	256-3L
3875.00	cut	Sh/Clst: lt gy to drk gy	0.44	0.37	0.12	3.08	0.25	148	48	0.8	0.54	441	258-2L
3905.00	cut	Sh/Clst: ol gy, lt gy to drk gy	0.35	0.52	0.11	4.73	0.31	168	35	0.9	0.40	445	259-1L
3935.00	cut	Ca : brn gy, lt brn gy	0.05	0.06	0.15	0.40	0.13	46	115	0.1	0.45	486	260-3L
3965.00	cut	Ca : brn gy, pl y brn	0.03	0.02	0.10	0.20	0.11	18	91	0.1	0.60	453	261-1L
3995.00	cut	Ca : brn gy, pl y brn	0.11	0.09	0.09	1.00	0.15	60	60	0.2	0.55	504	262-1L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4025.00	cut	Sltst : blk, brn blk, drk gy to m drk gy	0.38	0.66	0.20	3.30	0.69	96	29	1.0	0.37	445	263-2L
4055.00	cut	Ca : brn gy, pl y brn	0.03	0.01	0.13	0.08	0.11	9	118	-	0.75	497	264-1L
4085.00	cut	Sltst : blk	0.61	0.59	0.16	3.69	0.72	82	22	1.2	0.51	451	265-2L
4115.00	cut	Sh/Clst: lt gy to drk gy	0.17	0.42	0.13	3.23	0.33	127	39	0.6	0.29	444	266-1L
4145.00	cut	Sh/Clst: blk	0.49	0.49	0.53	0.92	0.70	70	76	1.0	0.50	460	267-3L
4175.00	cut	Sh/Clst: blk	0.55	0.34	0.44	0.77	0.64	53	69	0.9	0.62	414	268-1L
4265.00	cut	Sh/Clst: blk	0.73	0.39	0.60	0.65	1.11	35	54	1.1	0.65	403	271-1L
4295.00	cut	Sh/Clst: blk	0.68	0.24	0.32	0.75	0.78	31	41	0.9	0.74	423	272-1L
4325.00	cut	Sh/Clst: lt gy to drk gy	0.21	0.32	0.15	2.13	0.27	119	56	0.5	0.40	442	273-2L
4385.00	cut	Sh/Clst: blk	0.48	0.09	0.19	0.47	0.31	29	61	0.6	0.84	526	275-1L
4415.00	cut	Sh/Clst: lt gy to drk gy	0.90	0.63	0.19	3.32	0.40	158	48	1.5	0.59	339	276-2L
4445.00	cut	Sh/Clst: gn gy, lt gy to m gy	0.83	0.57	0.19	3.00	0.33	173	58	1.4	0.59	336	277-1L
4565.00	cut	Ca : lt brn gy, lt gy gy to drk gy	0.17	0.10	0.18	0.56	0.15	67	120	0.3	0.63	408	281-1L
4595.00	cut	S/Sst : w	0.18	0.16	0.63	0.25	0.09	178	700	0.3	0.53	421	282-2L

Table 2 : Rock-Eval table for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4625.00	cut Ca	: lt brn gy, lt gy to drk gy, pl y brn	0.20	0.16	0.29	0.55	0.15	107	193	0.4	0.56	431	283-1L
4655.00	cut S/Sst	: pi	0.01	-	0.07	-	0.01	-	700	-	1.00	-	284-1L
4680.00	cut Sh/Clst:	drk gy	0.09	0.32	0.34	0.94	0.34	94	100	0.4	0.22	443	285-1L

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 7120/12-2

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
1740.00	cut	Sh/Clst: brn blk, drk brn gy	4.0	9.6	1.0	0.8	1.7	6.1	1.8	7.8	5.15	105-1
1820.00	cut	Sh/Clst: brn blk	2.1	8.2	1.6	1.2	1.3	4.1	2.8	5.4	8.27	120-1
1835.00	cut	Sh/Clst: brn blk	9.8	42.8	7.6	5.2	5.2	24.9	12.7	30.1	9.74	123-1
1855.00	cut	Sh/Clst: brn blk	3.7	23.8	3.7	3.0	3.8	13.3	6.7	17.1	11.40	127-1
1915.00	cut	S/Sst : w, pl y brn	0.9	4.4	0.1	0.4	0.2	3.7	0.5	3.9	0.90	139-2
1930.00	cut	S/Sst : w, pl y brn	4.8	9.5	2.5	1.2	0.5	5.3	3.7	5.8	0.63	142-2
1960.00	cut	S/Sst : w	1.5	3.5	0.4	0.1	0.1	2.9	0.5	3.0	0.62	148-1
1982.00	ccp	Coal : blk	2.8	85.8	5.5	11.6	19.3	49.4	17.2	68.6	56.80	286-1
2023.00	ccp	Sh/Clst: ol blk	9.7	71.2	7.6	13.0	6.1	44.6	20.5	50.7	39.60	289-1
2150.00	cut	Sh/Clst: blk	1.3	22.1	2.8	2.3	6.1	11.0	5.0	17.1	45.70	174-2
2226.50	ccp	Sh/Clst: ol blk	9.9	115.0	12.0	1.5	22.0	79.4	13.6	101.4	29.70	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	2.8	10.0	2.6	1.4	1.1	4.8	4.1	5.9	3.58	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	0.7	3.5	0.2	0.4	0.1	2.8	0.6	2.9	1.80	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	0.8	3.1	0.6	0.4	0.1	2.0	1.0	2.1	2.57	218-1

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1740.00	cut	Sh/Clst: brn blk, drk brn gy	2376	237	207	420	1509	445	1930	105-1
1820.00	cut	Sh/Clst: brn blk	3942	750	576	625	1990	1326	2615	120-1
1835.00	cut	Sh/Clst: brn blk	4362	770	525	530	2536	1296	3066	123-1
1855.00	cut	Sh/Clst: brn blk	6432	1005	810	1027	3589	1816	4616	127-1
1915.00	cut	S/Sst : w, pl y brn	4835	131	395	219	4087	527	4307	139-2
1930.00	cut	S/Sst : w, pl y brn	1958	519	247	103	1088	767	1191	142-2
1960.00	cut	S/Sst : w	2364	243	81	67	1972	324	2040	148-1
1982.00	ccp	Coal : blk	30105	1936	4084	6771	17312	6021	24084	286-1
2023.00	ccp	Sh/Clst: ol blk	7310	776	1330	626	4577	2106	5203	289-1
2150.00	cut	Sh/Clst: blk	16870	2106	1740	4656	8366	3847	13022	174-2
2226.50	ccp	Sh/Clst: ol blk	11557	1210	154	2211	7981	1364	10192	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	3597	949	517	395	1733	1467	2129	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	5223	358	537	149	4179	895	4328	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	4025	779	467	129	2649	1246	2779	218-1

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
1740.00	cut	Sh/Clst: brn blk, drk brn gy	46.14	4.61	4.04	8.17	29.32	8.65	37.49	105-1
1820.00	cut	Sh/Clst: brn blk	47.67	9.07	6.98	7.56	24.07	16.05	31.62	120-1
1835.00	cut	Sh/Clst: brn blk	44.79	7.91	5.40	5.44	26.04	13.31	31.48	123-1
1855.00	cut	Sh/Clst: brn blk	56.42	8.82	7.11	9.01	31.48	15.93	40.49	127-1
1915.00	cut	S/Sst : w, pl y brn	537.24	14.65	43.96	24.42	454.21	58.61	478.63	139-2
1930.00	cut	S/Sst : w, pl y brn	310.91	82.47	39.27	16.36	172.80	121.75	189.17	142-2
1960.00	cut	S/Sst : w	381.43	39.23	13.08	10.90	318.22	52.31	329.12	148-1
1982.00	ccp	Coal : blk	53.00	3.41	7.19	11.92	30.48	10.60	42.40	286-1
2023.00	ccp	Sh/Clst: ol blk	18.46	1.96	3.36	1.58	11.56	5.32	13.14	289-1
2150.00	cut	Sh/Clst: blk	36.92	4.61	3.81	10.19	18.31	8.42	28.50	174-2
2226.50	ccp	Sh/Clst: ol blk	38.92	4.07	0.52	7.44	26.88	4.60	34.32	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	100.48	26.53	14.47	11.05	48.43	41.00	59.48	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	290.22	19.90	29.85	8.29	232.17	49.75	240.46	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	156.65	30.32	18.19	5.05	103.09	48.51	108.14	218-1



Table 3 d: Composition of material extracted from the rock (%) for well NOCS 7120/12-2

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	
1740.00	cut	Sh/Clst: brn blk, drk brn gy	10.00	8.75	17.71	63.54	18.75	81.25	114.29	23.08	105-1
1820.00	cut	Sh/Clst: brn blk	19.02	14.63	15.85	50.49	33.66	66.34	130.00	50.74	120-1
1835.00	cut	Sh/Clst: brn blk	17.66	12.06	12.15	58.13	29.72	70.28	146.51	42.29	123-1
1855.00	cut	Sh/Clst: brn blk	15.63	12.61	15.97	55.80	28.24	71.76	124.00	39.34	127-1
1915.00	cut	S/Sst : w, pl y brn	2.73	8.18	4.55	84.55	10.91	89.09	33.33	12.24	139-2
1930.00	cut	S/Sst : w, pl y brn	26.53	12.63	5.26	55.58	39.16	60.84	210.00	64.36	142-2
1960.00	cut	S/Sst : w	10.29	3.43	2.86	83.43	13.71	86.29	300.00	15.89	148-1
1982.00	ccp	Coal : blk	6.43	13.57	22.49	57.51	20.00	80.00	47.42	25.00	286-1
2023.00	ccp	Sh/Clst: ol blk	10.62	18.20	8.57	62.61	28.82	71.18	58.33	40.49	289-1
2150.00	cut	Sh/Clst: blk	12.49	10.32	27.60	49.59	22.81	77.19	121.05	29.54	174-2
2226.50	ccp	Sh/Clst: ol blk	10.47	1.34	19.13	69.06	11.81	88.19	781.82	13.39	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	26.40	14.40	11.00	48.20	40.80	59.20	183.33	68.92	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	6.86	10.29	2.86	80.00	17.14	82.86	66.67	20.69	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	19.35	11.61	3.23	65.81	30.97	69.03	166.67	44.86	218-1

Table 4 : Saturated Hydrocarbon Ratios for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
1740.00	cut	Sh/Clst: brn blk, drk brn gy	1.00	1.87	0.84	0.64	1.56	105-1
1820.00	cut	Sh/Clst: brn blk	0.99	1.72	0.84	0.66	1.57	120-1
1835.00	cut	Sh/Clst: brn blk	0.95	1.65	0.81	0.65	1.53	123-1
1855.00	cut	Sh/Clst: brn blk	0.79	1.58	0.69	0.58	1.61	127-1
1915.00	cut	S/Sst : w, pl y brn	0.71	1.17	0.65	0.58	1.44	139-2
1930.00	cut	S/Sst : w, pl y brn	0.78	1.10	0.71	0.64	1.44	142-2
1960.00	cut	S/Sst : w	0.77	1.08	0.72	0.68	1.16	148-1
1982.00	ccp	Coal : blk	0.55	1.91	0.46	0.35	1.18	286-1
2023.00	ccp	Sh/Clst: ol blk	1.19	4.88	0.72	0.24	1.83	289-1
2150.00	cut	Sh/Clst: blk	0.71	1.34	0.62	0.53	1.44	174-2
2226.50	ccp	Sh/Clst: ol blk	1.89	5.66	1.08	0.31	1.52	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	0.64	1.53	0.57	0.49	1.41	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	0.49	1.55	0.45	0.40	1.43	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	0.58	1.39	0.53	0.48	1.40	218-1

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
1740.00	cut	Sh/Clst: brn blk, drk brn gy	1.04	1.72	0.09	0.81	0.79	0.59	0.44	1.20	0.64	105-1
1820.00	cut	Sh/Clst: brn blk	0.71	1.80	0.10	0.86	0.85	0.69	0.53	1.01	0.35	120-1
1835.00	cut	Sh/Clst: brn blk	1.02	1.83	0.10	0.83	0.81	0.68	0.48	1.52	1.71	123-1
1855.00	cut	Sh/Clst: brn blk	1.11	2.01	0.12	0.77	0.76	0.61	0.49	1.00	0.40	127-1
1915.00	cut	S/Sst : w, pl y brn	-	-	-	0.73	0.94	0.62	0.41	2.82	0.92	139-2
1930.00	cut	S/Sst : w, pl y brn	-	2.14	-	1.03	1.01	0.86	0.40	4.72	0.77	142-2
1960.00	cut	S/Sst : w	-	-	-	0.92	1.19	0.85	0.41	2.52	0.84	148-1
1982.00	ccp	Coal : blk	1.47	2.14	0.25	0.65	0.41	0.44	0.16	3.88	1.51	286-1
2023.00	ccp	Sh/Clst: ol blk	1.26	1.22	0.25	0.55	0.45	0.50	0.74	-	-	289-1
2150.00	cut	Sh/Clst: blk	-	1.43	-	0.85	0.44	0.44	0.14	-	-	174-2
2226.50	ccp	Sh/Clst: ol blk	1.25	1.41	0.02	0.47	0.33	0.35	0.11	-	-	292-1
2375.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	1.15	2.01	0.14	1.10	0.94	0.82	0.42	30.22	6.45	189-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	-	1.09	-	0.84	0.75	0.66	0.23	-	-	206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	1.09	2.46	0.12	1.08	0.87	0.80	0.37	6.21	1.00	218-1

Table 6 : Thermal Maturity Data for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
1275.00	cut	bulk	0.33	10	0.06	0	-	-	016-0B
1395.00	cut	bulk	0.44	21	0.05	4	-	-	040-0B
1520.00	cut	bulk	0.43	18	0.04	4	-	-	065-0B
1640.00	cut	Sh/Clst: brn blk	-	-	-	-	4	434	088-3L
1660.00	cut	bulk	0.42	26	0.03	4	-	-	092-0B
1720.00	cut	Sh/Clst: blk, brn blk	-	-	-	-	4.5	429	102-1L
1760.00	cut	Sh/Clst: brn blk, drk brn gy	-	-	-	-	4.0	427	109-1L
1790.00	cut	bulk	0.40	24	0.04	4	-	-	114-0B
1790.00	cut	Sh/Clst: brn blk	-	-	-	-	4	428	114-1L
1835.00	cut	Sh/Clst: brn blk	-	-	-	-	NDP	421	123-1L
1860.00	cut	Sh/Clst: brn blk	-	-	-	-	NDP	425	128-1L
1885.00	cut	bulk	0.47	30	0.05	0	-	-	133-0B
2025.00	cut	Coal : blk	-	-	-	-	NDP	429	160-4L
2038.50	ccp	bulk	0.51	50	0.04	4	-	-	290-0B

Table 6 : Thermal Maturity Data for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
2120.00	cut	Coal : blk	-	-	-	-	-	431	172-3L
2180.00	cut	bulk	0.47	32	0.07	4+5	-	-	176-0B
2288.00	cut	bulk	0.46	20	0.03	4+5	-	-	183-0B
2288.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	-	-	-	-	4.5	424	183-2L
2420.00	cut	bulk	0.52	46	0.08	4+5	-	-	192-0B
2585.00	cut	bulk	0.52	7	0.04	0	-	-	203-0B
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	-	-	-	-	4.5	429	206-2L
2715.00	cut	bulk	NDP	-	-	0	-	-	212-0B
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	-	-	-	-	4.5(5)	430	218-1L
2850.00	cut	bulk	NDP	-	-	0	-	-	221-0B
2975.00	cut	bulk	NDP	-	-	0	-	-	228-0B
3095.00	cut	bulk	0.55	28	0.04	5	-	-	232-0B
3245.00	cut	bulk	0.62	5	0.03	5+6	-	-	237-0B

Table 6 : Thermal Maturity Data for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T <sub>max</sub> (°C)	Sample
3395.00	cut	bulk	0.54	14	0.03	5+6	-	-	242-0B
3515.00	cut	bulk	0.58	4	0.07	0	-	-	246-0B
3635.00	cut	bulk	0.65	8	0.06	0	-	-	250-0B
3785.00	cut	bulk	0.65	11	0.07	0	-	-	255-0B
3905.00	cut	bulk	0.61	17	0.07	6+7	-	-	259-0B
4025.00	cut	bulk	0.70	11	0.11	7	-	-	263-0B
4175.00	cut	bulk	0.73	1	0.00	0	-	-	268-0B
4295.00	cut	bulk	NDP	-	-	0	-	-	272-0B
4415.00	cut	bulk	0.75	7	0.05	0	-	-	276-0B
4535.00	cut	bulk	0.74	8	0.05	0	-	-	280-0B
4655.00	cut	bulk	NDP	-	-	6	-	-	284-0B

Table 7 : Visual Kerogen Composition Data for well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	L I P T %	A m o r l %	L i p D e l t	S p / P o l l	C u t P i c l n	R e g i n e	D i n o r f l t	A B i t L	I N E R T %	S F i n s	I m t D u e n s	M i c r o i r o n	S c l e r e t I	V I R %	C T e l l i n e n t	V o i l t D r t V	A i m D r t V	Sample	
1640.00	cut	Sh/Clst: brn blk	5	*	*				*		5	*	*			90		*	*		088-3
1720.00	cut	Sh/Clst: blk, brn blk	20	*	*			?	*		10	*	*			70		**	*		102-1
1760.00	cut	Sh/Clst: brn blk, drk brn gy	20	*	*			?	*		10	*	*			70		**	*		109-1
1790.00	cut	Sh/Clst: brn blk	10	*	*	?		?	*		15	*	*			75		*	**		114-1
1835.00	cut	Sh/Clst: brn blk	5	*	*						5		*			90		*	**		123-1
1860.00	cut	Sh/Clst: brn blk	10	**	?	?					30	**	*			60		*	*	*	128-1
2025.00	cut	Coal : blk	40	*	*						10	*				40		*	*		160-4
2120.00	cut	Coal : blk	5	*							50	*	**			45		**			172-3
2288.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	40	**	*	*					10		*			50		*	**		183-2
2630.00	cut	Sh/Clst: ol gy, drk gy to m drk gy	30	*	**	*	?		*		30	?	**	*		40		*	**		206-2
2805.00	cut	Sh/Clst: blk, brn blk, drk gy	30	*	**	?			*		30	**	*			40		*	**		218-1

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
1640.00	cut	Sh/Clst: brn blk	6.81	21.43	39.19	32.49	5.93	088-3L
1710.00	cut	Sh/Clst: brn blk	6.42	15.54	33.17	44.87	12.84	101-1L
1740.00	cut	Sh/Clst: brn blk, drk brn gy	2.58	11.16	31.63	54.62	14.00	105-1L
1820.00	cut	Sh/Clst: brn blk	1.58	10.10	32.76	55.56	20.47	120-1L
1835.00	cut	Sh/Clst: brn blk	5.36	10.86	32.57	51.21	21.34	123-1L
1855.00	cut	Sh/Clst: brn blk	5.41	12.36	29.50	52.78	27.16	127-1L
1890.00	cut	Ca : w, pl y brn	5.58	14.24	30.13	50.10	15.63	134-1L
1900.00	cut	S/Sst : w	4.10	14.11	13.48	68.32	0.63	136-3L
1930.00	cut	S/Sst : w, pl y brn	6.83	26.38	37.15	29.64	0.57	142-2L
1970.00	cut	S/Sst : w	9.63	32.83	39.21	18.32	0.66	150-1L
1982.00	ccp	Coal : blk	7.19	12.72	23.27	56.83	235.60	286-1L
1985.00	cut	S/Sst : w	7.81	23.48	36.87	31.84	1.47	152-1L
2000.00	cut	Sh/Clst: gy blk	5.59	13.81	28.51	52.09	18.87	155-2L
2023.00	ccp	Sh/Clst: ol blk	6.98	10.92	26.20	55.89	150.21	289-1L
2025.00	cut	Coal : blk	12.97	14.38	25.25	47.40	72.40	160-4L



Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7120/12-2

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
2038.50	ccp	Coal : blk	9.10	9.32	24.26	57.32	192.00	290-1L
2120.00	cut	Coal : blk	8.43	14.90	21.12	55.55	52.28	172-3L
2150.00	cut	Sh/Clst: blk	8.35	13.47	24.61	53.57	93.33	174-2L
2226.50	ccp	Sh/Clst: ol blk	5.60	10.19	27.39	56.81	106.98	292-1L
2288.00	cut	Sh/Clst: blk, ol gy, m gy to drk gy	4.87	13.98	29.33	51.81	13.88	183-2L
2690.00	cut	S/Sst : w	4.44	18.49	25.01	52.06	1.14	210-1L

Table 9: Variation in Triterpane Distribution for Well NOCS 7120/12-2

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	C+D		J1		Sample
				B+E+F									E/E+F	C+D+E+F	D+F/C+E	J1+J2%	
1740.00	Sh/Clst	8.10	0.89	0.24		0.49	0.33	0.07	-	-	-	0.01	0.77	0.34	0.32	40.78	105-1
1835.00	Sh/Clst	6.97	0.87	0.27		0.60	0.37	0.06	-	-	-	0.01	0.79	0.38	0.26	52.72	123-1
1915.00	S/Sst	2.50	0.71	0.24		0.78	0.44	0.05	0.15	0.19	0.13	0.12	0.85	0.44	0.17	56.39	139-2
1930.00	S/Sst	1.93	0.66	0.26		0.94	0.48	0.04	0.24	0.25	0.19	0.21	0.89	0.49	0.13	57.24	142-2
1960.00	S/Sst	3.08	0.75	0.25		0.74	0.42	0.05	0.16	0.22	0.14	0.16	0.84	0.43	0.20	56.12	148-1
1982.00	Coal	9.42	0.90	0.27		0.62	0.38	0.06	0.42	0.68	0.30	0.02	0.76	0.38	0.31	52.12	286-1
2023.00	Sh/Clst	227.28	1.00	0.31		0.70	0.41	0.04	-	-	-	0.01	0.71	0.40	0.39	59.37	289-1
2150.00	Sh/Clst	44.25	0.98	0.27		0.57	0.36	0.06	0.12	0.21	0.10	0.01	0.75	0.38	0.36	57.91	174-2
2226.50	Sh/Clst	23.58	0.96	0.27		0.64	0.39	0.08	0.03	0.04	0.03	0.01	0.71	0.39	0.40	65.30	292-1
2375.00	Sh/Clst	6.38	0.86	0.25		0.50	0.33	0.06	0.02	0.03	0.02	0.03	0.81	0.35	0.27	42.72	189-2
2630.00	Sh/Clst	5.62	0.85	0.25		0.62	0.38	0.06	0.02	0.04	0.02	0.03	0.82	0.39	0.24	48.99	206-2
2805.00	Sh/Clst	4.49	0.82	0.23		0.68	0.41	0.06	0.04	0.07	0.04	0.12	0.81	0.41	0.24	49.85	218-1

Table 10: Variation in Sterane Distribution for Well NOCS 7120/12-2

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Ratio6	Ratio7	Sample
1740.00	Sh/Clst	0.44	24.58	58.09	0.60	0.74	0.06	0.05	105-1
1835.00	Sh/Clst	0.48	32.67	51.72	0.66	0.62	0.09	0.07	123-1
1915.00	S/Sst	0.40	38.88	66.18	0.51	0.72	0.19	0.15	139-2
1930.00	S/Sst	0.39	50.33	73.49	0.46	0.73	0.19	0.15	142-2
1960.00	S/Sst	0.57	40.95	66.62	0.77	0.71	0.34	0.30	148-1
1982.00	Coal	0.50	31.19	54.33	0.23	0.66	0.31	0.26	286-1
2023.00	Sh/Clst	0.55	30.25	49.36	0.08	0.62	0.04	0.03	289-1
2150.00	Sh/Clst	0.59	28.73	52.03	0.32	0.65	0.18	0.15	174-2
2226.50	Sh/Clst	1.00	20.93	38.06	0.13	0.59	0.02	0.02	292-1
2375.00	Sh/Clst	0.41	23.96	55.47	0.67	0.72	0.13	0.11	189-2
2630.00	Sh/Clst	0.48	27.38	55.58	0.72	0.70	0.14	0.12	206-2
2805.00	Sh/Clst	0.48	27.75	58.69	0.84	0.72	0.22	0.19	218-1

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 7120/12-2

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
1740.00	Sh/Clst	0.72	0.46	105-1
1835.00	Sh/Clst	0.50	0.64	123-1
1915.00	S/Sst	0.46	0.73	139-2
1930.00	S/Sst	0.30	0.88	142-2
1960.00	S/Sst	0.46	0.84	148-1
1982.00	Coal	0.36	0.94	286-1
2023.00	Sh/Clst	0.28	0.96	289-1
2150.00	Sh/Clst	0.36	0.90	174-2
2226.50	Sh/Clst	0.28	0.95	292-1
2375.00	Sh/Clst	0.64	0.51	189-2
2630.00	Sh/Clst	0.50	0.77	206-2
2805.00	Sh/Clst	0.58	0.61	218-1

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

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

Table 12: Variation in Triaromatic Sterane Distribution for Well NOCS 7120/12-2

Depth unit of measure: m

Depth	Lithology	Ratio1	Ratio2	Ratio3	Ratio4	Ratio5	Sample
1740.00	Sh/Clst	0.19	0.94	0.65	0.06	0.07	105-1
1835.00	Sh/Clst	0.19	0.13	0.05	0.06	0.07	123-1
1915.00	S/Sst	0.28	0.23	0.08	0.09	0.11	139-2
1930.00	S/Sst	0.17	0.21	0.07	0.06	0.09	142-2
1960.00	S/Sst	0.32	0.33	0.15	0.13	0.21	148-1
1982.00	Coal	0.40	0.37	0.23	0.19	0.41	286-1
2023.00	Sh/Clst	0.19	0.11	0.11	0.09	0.40	289-1
2150.00	Sh/Clst	0.21	0.13	0.11	0.10	0.28	174-2
2226.50	Sh/Clst	0.10	0.07	0.06	0.04	0.20	292-1
2375.00	Sh/Clst	0.23	0.16	0.05	0.07	0.08	189-2
2630.00	Sh/Clst	0.28	0.20	0.09	0.11	0.15	206-2
2805.00	Sh/Clst	0.29	0.22	0.08	0.10	0.12	218-1

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 7120/12-2

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>
1740.00	Sh/Clst	0.11	0.09	0.06	0.04	105-1
1835.00	Sh/Clst	0.60	0.45	0.14	0.07	123-1
1915.00	S/Sst	0.18	0.13	0.10	0.10	139-2
1930.00	S/Sst	0.20	0.12	0.11	0.09	142-2
1960.00	S/Sst	0.36	0.21	0.21	0.16	148-1
1982.00	Coal	0.56	0.34	0.26	0.19	286-1
2023.00	Sh/Clst	0.54	0.62	0.16	0.20	289-1
2150.00	Sh/Clst	0.25	0.22	0.09	0.07	174-2
2226.50	Sh/Clst	0.40	0.43	0.10	0.11	292-1
2375.00	Sh/Clst	0.12	0.10	0.07	0.05	189-2
2630.00	Sh/Clst	0.14	0.11	0.08	0.07	206-2
2805.00	Sh/Clst	0.12	0.10	0.07	0.06	218-1

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