

**PRE-CRETACEOUS HYDROCARBON POTENTIAL  
OF THE NORWEGIAN CENTRAL GRABEN**

**GEOCHEMICAL ANALYSIS**  
Well NOCS 7/11-5

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Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
190.00				001
		70 S/Sst : v col, crs, l		001-1L
		20 Ca : w		001-2L
		10 Cont : cem		001-3L
290.00				002
		80 S/Sst : v col, l		002-1L
		10 Ca : w		002-2L
		10 Cont : cem		002-3L
390.00				003
		80 S/Sst : v col, l		003-1L
		20 Other : fos		003-2L
490.00				004
		80 S/Sst : v col, l		004-1L
		20 Other : fos		004-2L
590.00				005
		70 Sh/Clst: lt ol gy, calc		005-3L
		20 S/Sst : v col, l		005-1L
		10 Other : fos		005-2L
690.00				006
		100 Sh/Clst: lt ol gy, calc		006-1L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
790.00			007
		100 Sh/Clst: lt ol gy, calc	007-1L
890.00			008
		100 Sh/Clst: lt ol gy, calc	008-1L
990.00			009
		100 Sh/Clst: ol gy to lt ol gy, calc, slt	009-1L
1090.00			010
		100 Sh/Clst: ol gy to lt ol gy, calc, slt	010-1L
1190.00			011
		100 Sh/Clst: ol gy to lt ol gy, calc, slt	011-1L
1290.00			012
		100 Sh/Clst: ol gy to lt ol gy, calc, slt	012-1L
1390.00			013
		100 Sh/Clst: ol gy to lt brn gy, slt	013-1L
1490.00			014
		100 Sh/Clst: ol gy to lt brn gy, slt	014-1L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%		
Lithology description			
1590.00			015
			015-1L
	100 Sh/Clst: lt brn gy to lt ol gy, slt		
1690.00			016
			016-1L
	100 Sh/Clst: brn gy to lt brn gy, calc, slt		
1790.00			017
			017-1L
	100 Sh/Clst: brn gy to lt brn gy, calc, slt		
1890.00			018
			018-1L
	100 Sh/Clst: lt brn gy to dsk y brn, calc, slt		
1990.00			019
			019-1L
	100 Sh/Clst: lt brn gy to dsk y brn, calc, slt		
2090.00			020
			020-1L
	100 Sh/Clst: lt brn gy to dsk y brn, calc, slt		
2190.00			021
			021-1L
	100 Sh/Clst: lt brn gy to dsk y brn, calc, slt		
	tr Ca : dsk y brn, dol		021-2L
2290.00			022
			022-1L
	50 Sh/Clst: lt brn gy to dsk y brn, calc, slt		
	50 Cont : dd		022-2L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2390.00			023
		90	Sh/Clst: brn gy to dsk y brn, calc, slt
		10	Ca : drk y brn
			023-1L
			023-2L
2490.00			024
		90	Sh/Clst: brn gy to dsk y brn, calc, slt
		10	Ca : drk y brn
			024-1L
			024-2L
2590.00			025
		90	Sh/Clst: brn gy to lt ol gy, calc, slt
		5	Sh/Clst: dsk y brn, slt
		5	Sh/Clst: pi
			025-1L
			025-2L
			025-3L
2690.00			026
		95	Sh/Clst: brn gy to lt ol gy, calc, slt
		5	Sh/Clst: dsk y brn, slt
			026-1L
			026-2L
2790.00			027
		100	Sh/Clst: ol gy to lt ol gy, calc
			027-1L
2890.00			028
		90	Sh/Clst: brn gy to lt ol gy, dsk y brn, calc
		5	Ca : drk y brn, dsk y brn
		5	Ca : w
			028-1L
			028-2L
			028-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2990.00			029
		100	Sh/Clst: brn gy, gn gy, lt ol gy, dsk y brn
		tr Ca	: w, drk y brn, dsk y brn
			029-1L
			029-2L
3090.00			030
		50	Sh/Clst: brn gy, gn gy, lt ol gy, dsk y brn
		25	Sh/Clst: m gy
		20	S/Sst : lt gy to m gy, calc, glauc, f, cem
		5	Sh/Clst: gy red, calc
			030-1L
			030-2L
			030-3L
			030-4L
3190.00			031
		70	Ca : pi to w, sil, chk
		30	Sh/Clst: brn gy, gn gy, lt ol gy, dsk y brn
		tr Sh/Clst:	m gy
		tr S/Sst	: lt gy to m gy, calc, glauc, f, cem
		tr Sh/Clst:	gy red, calc
			031-5L
			031-1L
			031-2L
			031-3L
			031-4L
3290.00			032
		70	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		25	Ca : w, sil, chk
		5	Sh/Clst: gy red, calc
		tr Sh/Clst:	m gy
		tr S/Sst	: lt gy to m gy, calc, glauc, f, cem
			032-1L
			032-5L
			032-4L
			032-2L
			032-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
3300.00			033
		50	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		50	Ca : w, sil, chk
		tr	Sh/Clst: gy red, calc
3320.00			034
		60	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		30	Ca : w, sil, chk
		5	Sh/Clst: gy red, calc
		5	Sh/Clst: dsk y brn, mic
3340.00			035
		50	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		40	Ca : w, sil, chk
		10	Sh/Clst: dsk y brn, mic
		tr	Sh/Clst: gy red, calc
3360.00			036
		50	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		40	Ca : w, sil, chk
		10	Sh/Clst: dsk y brn, mic
		tr	Sh/Clst: gy red, calc
3380.00			037
		60	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy
		40	Ca : w, sil, chk
		tr	Sh/Clst: gy red
		tr	Cont : Coal-ad

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3400.00				038
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		038-1L
		50 Ca : w, sil, chk		038-2L
		tr Cont : Coal-ad, prp		038-3L
3420.00				039
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		039-1L
		50 Ca : w, sil, chk		039-2L
		tr Cont : Coal-ad, prp		039-3L
3440.00				040
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		040-1L
		50 Ca : w, sil, chk		040-2L
		tr Cont : Coal-ad, prp		040-3L
3460.00				041
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		041-1L
		40 Ca : w, sil, chk		041-2L
		10 Cont : st, Coal-ad, prp		041-3L
3480.00				042
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		042-1L
		50 Ca : w, sil, chk		042-2L
		tr Cont : st, Coal-ad, prp		042-3L
3500.00				043
		60 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		043-1L
		40 Ca : w, sil, chk		043-2L
		tr Cont : st, Coal-ad, prp		043-3L



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Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%		
-----			
	%	Lithology description	
-----			
3520.00			044
	50	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	044-1L
	50	Ca : w, sil, chk	044-2L
	tr	Cont : st, Coal-ad, prp	044-3L
3540.00			045
	70	Ca : w, sil, chk	045-2L
	20	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	045-1L
	10	Sh/Clst: dsk y brn, mic, wx	045-4L
	tr	Cont : st, Coal-ad, prp	045-3L
3560.00			046
	80	Ca : w, sil, chk	046-2L
	15	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	046-1L
	5	Cont : st, Coal-ad, prp	046-3L
3580.00			047
	90	Ca : w, sil, chk	047-2L
	10	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	047-1L
	tr	Cont : st, Coal-ad, prp	047-3L
3600.00			048
	95	Ca : w, sil, chk	048-2L
	5	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	048-1L
	tr	Cont : st, Coal-ad, prp	048-3L
3620.00			049
	90	Ca : w, sil, chk	049-2L
	5	Sh/Clst: brn gy, gn gy, ol gy, lt ol gy	049-1L
	5	Cont : st, Coal-ad, prp	049-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3640.00				050
		85 Ca : w, sil, chk		050-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		050-1L
		5 Cont : st, Coal-ad, prp		050-3L
3660.00				051
		90 Ca : w, sil, chk		051-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		051-1L
		tr Cont : st, Coal-ad, prp		051-3L
3680.00				052
		75 Ca : w, sil, chk		052-2L
		15 Cont : st, Coal-ad, prp, tar-ad		052-3L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy		052-1L
3700.00				053
		70 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		053-1L
		30 Ca : w, sil, chk		053-2L
		tr Cont : st, Coal-ad, prp, tar-ad		053-3L
3720.00				054
		50 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		054-1L
		50 Ca : pi, w, chk		054-2L
		tr Cont : st, Coal-ad, prp, tar-ad		054-3L
		tr Sh/Clst: gy red		054-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3740.00				055
		60 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		055-1L
		40 Ca : pi, w, chk		055-2L
		tr Cont : st, Coal-ad, prp, tar-ad		055-3L
		tr Sh/Clst: gy red		055-4L
3760.00				056
		60 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		056-1L
		40 Ca : pi, w, chk		056-2L
		tr Cont : st, Coal-ad, prp, tar-ad		056-3L
		tr Sh/Clst: gy red		056-4L
3780.00				057
		65 Ca : pi, w, chk		057-2L
		35 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		057-1L
		tr Cont : st, Coal-ad, prp, tar-ad		057-3L
		tr Sh/Clst: gy red		057-4L
3800.00				058
		60 Ca : pi, w, chk		058-2L
		40 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		058-1L
		tr Cont : st, Coal-ad, prp, tar-ad		058-3L
		tr Sh/Clst: gy red		058-4L
3805.00				059
		55 Ca : pi, w, chk		059-2L
		40 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		059-1L
		5 Cont : st, Coal-ad, prp, tar-ad		059-3L
		tr Sh/Clst: gy red		059-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3810.00				060
		60 Ca : pi, w, chk		060-2L
		40 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		060-1L
		tr Cont : st, Coal-ad, prp, tar-ad		060-3L
		tr Sh/Clst: gy red		060-4L
3815.00				061
		65 Ca : pi, w, lt gn gy		061-2L
		35 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		061-1L
		tr Cont : st, Coal-ad, prp, tar-ad		061-3L
3820.00				062
		90 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		062-1L
		5 Ca : pi, w, lt gn gy		062-2L
		5 Cont : st, Coal-ad, prp, tar-ad		062-3L
3825.00				063
		65 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		063-1L
		35 Ca : pi, w, lt gn gy		063-2L
		tr Cont : st, Coal-ad, prp, tar-ad		063-3L
3830.00				064
		60 Ca : pi, w, lt gn gy		064-2L
		40 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		064-1L
		tr Cont : st, Coal-ad, prp, tar-ad		064-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3835.00				065
		80 Ca : pi, w, lt gn gy		065-2L
		20 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		065-1L
		tr Cont : st, Coal-ad, prp, tar-ad		065-3L
3840.00				066
		80 Ca : pi, w, lt gn gy		066-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		066-1L
		10 Cont : st, Coal-ad, prp, tar-ad		066-3L
3845.00				067
		90 Ca : pi, w, lt gn gy		067-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		067-1L
		tr Cont : st, Coal-ad, prp, tar-ad		067-3L
3850.00				068
		90 Ca : pi, w, lt gn gy		068-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		068-1L
		tr Cont : st, Coal-ad, prp, tar-ad		068-3L
3855.00				069
		95 Ca : pi, w, lt gn gy		069-2L
		5 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		069-1L
		tr Cont : st, Coal-ad, prp, tar-ad		069-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3860.00				070
		95 Ca : pi, w, lt gn gy		070-2L
		5 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		070-1L
		tr Cont : st, Coal-ad, prp, tar-ad		070-3L
3865.00				071
		90 Ca : pi, w, lt gn gy		071-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		071-1L
		tr Cont : st, Coal-ad, prp, tar-ad		071-3L
3870.00				072
		100 Ca : pi, w, lt gn gy, lt gy, m gy		072-1L
		tr Cont : st, prp		072-2L
3875.00				073
		60 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		073-1L
		40 Ca : pi, w, lt gn gy, lt gy, m gy		073-2L
		tr Cont : st, Coal-ad, prp		073-3L
3880.00				074
		70 Ca : pi, w, lt gn gy, lt gy, m gy		074-2L
		30 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		074-1L
		tr Cont : st, Coal-ad, prp		074-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3885.00				075
		75 Ca : pi, w, lt gn gy, lt gy, m gy		075-2L
		25 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		075-1L
		tr Cont : st, Coal-ad, prp		075-3L
3890.00				076
		90 Ca : pi, w, lt gn gy, lt gy, m gy		076-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		076-1L
		tr Cont : st, Coal-ad, prp		076-3L
3895.00				077
		90 Ca : pi, w, lt gn gy, lt gy, m gy		077-2L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		077-1L
		tr Cont : st, Coal-ad, prp		077-3L
3900.00				078
		95 Ca : pi, w, lt gn gy, lt gy, m gy		078-2L
		5 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		078-1L
		tr Cont : st, Coal-ad, prp		078-3L
3905.00				079
		70 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		079-1L
		30 Ca : pi, w, lt gn gy, lt gy, m gy		079-2L
		tr Cont : st, Coal-ad, prp		079-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
3910.00			080
		50 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn 080-1L
		50 Ca	: pi, w, lt gn gy, lt gy, m gy 080-2L
		tr Cont	: st, Coal-ad, prp, tar-ad 080-3L
3915.00			081
		90 Ca	: pi, w, lt gn gy, lt gy, m gy 081-2L
		10 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn 081-1L
		tr Cont	: st, Coal-ad, prp, tar-ad 081-3L
3920.00			082
		90 Ca	: pi, w, lt gn gy, lt gy, m gy 082-2L
		5 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn 082-1L
		5 Cont	: st, Coal-ad, prp, tar-ad 082-3L
3925.00			083
		90 Ca	: pi, w, lt gn gy, lt gy, m gy 083-2L
		5 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn 083-1L
		5 Cont	: st, Coal-ad, prp, tar-ad 083-3L
3930.00			084
		85 Ca	: pi, w, lt gn gy, lt gy, m gy 084-2L
		15 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn 084-1L
		tr Cont	: st, Coal-ad, prp, tar-ad 084-3L



Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
3935.00			085
	70 Ca	: pi, w, lt gn gy, lt gy, m gy	085-2L
	15 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn	085-1L
	15 Cont	: st, Coal-ad, prp, tar-ad	085-3L
3940.00			086
	90 Ca	: pi, w, lt gn gy, lt gy, m gy	086-2L
	10 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn	086-1L
	tr Cont	: st, Coal-ad, prp, tar-ad	086-3L
3945.00			087
	90 Ca	: pi, w, lt gn gy, lt gy, m gy	087-2L
	10 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn	087-1L
	tr Cont	: st, Coal-ad, prp, tar-ad	087-3L
	tr Sh/Clst:	gy red	087-4L
3950.00			088
	80 Ca	: pi, w, lt gn gy, lt gy, m gy	088-2L
	15 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn	088-1L
	5 Cont	: st, Coal-ad, prp, tar-ad	088-3L
	tr Sh/Clst:	gy red	088-4L
3955.00			089
	70 Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, dsk y brn	089-1L
	30 Ca	: pi, w, lt gn gy, lt gy, m gy	089-2L
	tr Cont	: st, Coal-ad, prp, tar-ad	089-3L
	tr Sh/Clst:	gy red	089-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3960.00				090
		80 Cont : st, Coal-ad, prp, dd, fib, tar-ad		090-3L
		10 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		090-1L
		10 Ca : pi, w, lt gn gy, lt gy, m gy		090-2L
3965.00				091
		50 Cont : st, Coal-ad, prp, dd, fib, tar-ad		091-3L
		25 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		091-1L
		25 Ca : pi, w, lt gn gy, lt gy, m gy		091-2L
3970.00				092
		50 Cont : st, Coal-ad, prp, dd, fib, tar-ad		092-3L
		30 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, dsk y brn		092-1L
		20 Ca : pi, w, lt gn gy, lt gy, m gy		092-2L
3975.00				093
		60 Ca : pi, w, lt gy		093-2L
		20 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, m gy		093-1L
		20 Cont : st, Coal-ad, prp, dd, fib, tar-ad		093-3L
3980.00				094
		60 Ca : pi, w, lt gy		094-2L
		20 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, m gy		094-1L
		20 Cont : st, Coal-ad, prp, dd, fib, tar-ad		094-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
3985.00			095
	60	Ca	: pi, w, lt gy 095-2L
	20	Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, m 095-1L
	20	Cont	: st, Coal-ad, prp, dd, fib, tar-ad 095-3L
3990.00			096
	50	Cont	: st, Coal-ad, prp, dd, fib, tar-ad 096-3L
	35	Ca	: pi, w, lt gy 096-2L
	15	Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, m 096-1L
			gy
3995.00			097
	50	Cont	: st, Coal-ad, prp, dd, fib, tar-ad 097-3L
	35	Ca	: pi, w, lt gy 097-2L
	15	Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, m 097-1L
			gy
4000.00			098
	50	Cont	: st, Coal-ad, prp, dd, fib, tar-ad 098-3L
	35	Ca	: pi, w, lt gy 098-2L
	15	Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, m 098-1L
			gy
4005.00			099
	50	Cont	: st, Coal-ad, prp, dd, fib, tar-ad 099-3L
	35	Ca	: pi, w, lt gy 099-2L
	15	Sh/Clst:	brn gy, gn gy, ol gy, lt ol gy, m 099-1L
			gy

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4010.00				100
		50 Cont : st, Coal-ad, prp, dd, fib, tar-ad		100-3L
		35 Ca : pi, w, lt gy		100-2L
		15 Sh/Clst: brn gy, gn gy, ol gy, lt ol gy, m gy		100-1L
4015.00				101
		30 Cont : st, Coal-ad, prp, fib, tar-ad		101-4L
		25 Sh/Clst: gy blk to drk gy		101-1L
		25 Sh/Clst: m gy		101-2L
		20 Ca : w to lt gy		101-3L
4020.00				102
		50 Cont : st, Coal-ad, prp, fib, tar-ad		102-4L
		20 Ca : w to lt gy		102-3L
		15 Sh/Clst: gy blk to drk gy		102-1L
		15 Sh/Clst: m gy		102-2L
4025.00				103
cvd		30 Sh/Clst: m gy to drk gy		103-2L
cvd		30 Ca : w to m gy, dsk y brn		103-3L
	7.51	20 Sh/Clst: brn blk, carb		103-1L
		20 Cont : st, Coal-ad, prp, tar-ad		103-4L
4030.00				104
cvd		30 Sh/Clst: m gy to drk gy		104-2L
cvd		30 Ca : w to m gy, dsk y brn		104-3L
	3.07	20 Sh/Clst: brn blk, carb		104-1L
		20 Cont : st, Coal-ad, prp, tar-ad		104-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int	Cvd	TOC%	%		
4035.00					105
	cvd		30 Sh/Clst: m gy to drk gy		105-2L
	cvd	3.07	30 Ca : lt gy, m gy, dsk y brn		105-3L
			20 Sh/Clst: gy blk to brn blk, carb		105-1L
			20 Cont : st, Coal-ad, prp, tar-ad		105-4L
4040.00					106
	cvd	2.75	30 Sh/Clst: gy blk to brn blk, carb		106-1L
	cvd		30 Ca : lt gy, m gy, dsk y brn		106-3L
			20 Sh/Clst: m gy to drk gy		106-2L
			20 Cont : st, Coal-ad, prp, tar-ad		106-4L
4045.00					107
	cvd		50 Cont : st, Coal-ad, prp, tar-ad		107-4L
	cvd		30 Sh/Clst: gy blk to brn blk, carb		107-1L
			10 Sh/Clst: m gy to drk gy		107-2L
			10 Ca : lt gy, m gy, dsk y brn		107-3L
4050.00					108
	cvd	1.48	50 Sh/Clst: gy blk to brn blk, carb		108-1L
			20 Ca : lt gy, m gy, dsk y brn		108-3L
			20 Cont : st, Coal-ad, prp, tar-ad		108-4L
	cvd		10 Sh/Clst: m gy to drk gy		108-2L
4055.00					109
	cvd	2.42	60 Sh/Clst: gy blk to brn blk, carb		109-1L
	cvd		20 Ca : lt gy, m gy, dsk y brn		109-3L
			10 Sh/Clst: m gy to drk gy		109-2L
			10 Cont : st, Coal-ad, prp, tar-ad		109-4L
			tr Other : pyr		109-5L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	% Lithology description		
4060.00					110
		2.54	70 Sh/Clst: gy blk to brn blk, carb		110-1L
	cvd		10 Sh/Clst: m gy to drk gy		110-2L
	cvd		10 Ca : lt gy, m gy, dsk y brn		110-3L
			10 Cont : st, Coal-ad, prp, tar-ad		110-4L
4065.00					111
		1.70	70 Sh/Clst: gy blk to brn blk, carb		111-1L
			15 Cont : st, Coal-ad, prp, tar-ad		111-4L
	cvd		10 Ca : lt gy, m gy, dsk y brn		111-3L
	cvd		5 Sh/Clst: m gy to drk gy		111-2L
4070.00					112
		1.89	60 Sh/Clst: gy blk to brn blk, carb		112-1L
			25 Cont : st, Coal-ad, prp, tar-ad		112-4L
	cvd		10 Ca : lt gy, m gy, dsk y brn		112-3L
	cvd		5 Sh/Clst: m gy to drk gy		112-2L
4075.00					113
		1.43	70 Sh/Clst: gy blk to brn blk, carb		113-1L
	cvd		10 Sh/Clst: m gy to drk gy		113-2L
	cvd		10 Ca : lt gy, m gy, dsk y brn		113-3L
			10 Cont : st, Coal-ad, prp, tar-ad		113-4L
4080.00					114
		1.71	60 Sh/Clst: gy blk to brn blk, carb		114-1L
			20 Cont : st, Coal-ad, prp, tar-ad		114-4L
	cvd		10 Sh/Clst: m gy to drk gy		114-2L
	cvd		10 Ca : lt gy, m gy, dsk y brn		114-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
4085.00				115	
			50	Sh/Clst: gy blk to brn blk, carb	115-1L
			40	Cont : st, Coal-ad, prp, tar-ad	115-4L
	cvd		5	Sh/Clst: m gy to drk gy	115-2L
	cvd		5	Ca : lt gy, m gy, dsk y brn	115-3L
4090.00				116	
		1.55	70	Sh/Clst: gy blk to brn blk, carb	116-1L
	cvd		15	Sh/Clst: m gy to drk gy	116-2L
	cvd		15	Ca : lt gy, m gy, dsk y brn	116-3L
			tr	Cont : st, Coal-ad, prp, tar-ad	116-4L
4095.00				117	
		2.09	60	Sh/Clst: gy blk to brn blk, carb	117-1L
	cvd		20	Ca : lt gy, m gy, dsk y brn	117-3L
	cvd		10	Sh/Clst: m gy to drk gy	117-2L
			10	Cont : st, Coal-ad, prp, tar-ad	117-4L
4100.00				118	
		2.03	70	Sh/Clst: gy blk to brn blk, carb	118-1L
	cvd		10	Sh/Clst: m gy to drk gy	118-2L
	cvd		10	Ca : lt gy, m gy, dsk y brn	118-3L
			10	Cont : st, Coal-ad, prp, tar-ad	118-4L
			tr	S/Sst : w to lt gy, f, cem	118-5L
4105.00				119	
		2.40	70	Sh/Clst: gy blk to brn blk, carb	119-1L
	cvd		10	Sh/Clst: m gy to drk gy	119-2L
	cvd		10	Ca : lt gy, m gy, dsk y brn	119-3L
			10	Cont : st, Coal-ad, prp, tar-ad	119-4L
			tr	S/Sst : w to lt gy, f, cem	119-5L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
4110.00				120	
	cvd	2.12	70	Sh/Clst: gy blk to brn blk, carb	120-1L
	cvd		10	Sh/Clst: m gy to drk gy	120-2L
			10	Ca : lt gy, m gy, dsk y brn	120-3L
			10	Cont : st, Coal-ad, prp, tar-ad	120-4L
			tr	S/Sst : w to lt gy, f, cem	120-5L
4115.00				121	
	cvd		50	Cont : st, Coal-ad, prp, tar-ad	121-4L
			40	Sh/Clst: gy blk to brn blk, carb	121-1L
			10	Ca : lt gy, m gy, dsk y brn	121-3L
			tr	Sh/Clst: m gy to drk gy	121-2L
			tr	Other : pyr	121-5L
4120.00				122	
	cvd	3.26	70	Sh/Clst: gy blk to brn blk, carb	122-1L
	cvd		10	Sh/Clst: m gy to drk gy	122-2L
			10	Ca : lt gy, m gy, dsk y brn	122-3L
			10	Cont : st, Coal-ad, prp, tar-ad	122-4L
4125.00				123	
	cvd	3.39	75	Sh/Clst: gy blk to brn blk, carb	123-1L
			10	Ca : lt gy, m gy, dsk y brn	123-3L
	cvd		10	Cont : st, Coal-ad, prp, tar-ad	123-4L
			5	Sh/Clst: m gy to drk gy	123-2L
4130.00				124	
	cvd	3.48	80	Sh/Clst: gy blk to brn blk, carb	124-1L
	cvd		10	Ca : lt gy, m gy, dsk y brn	124-3L
			5	Sh/Clst: m gy to drk gy	124-2L
			5	Cont : st, Coal-ad, prp, tar-ad	124-4L



Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
4135.00				125	
	cvd	3.69	80	Sh/Clst: gy blk to brn blk, carb	125-1L
	cvd		10	Ca : lt gy, m gy, dsk y brn	125-3L
			5	Sh/Clst: m gy to drk gy	125-2L
			5	Cont : st, Coal-ad, prp, tar-ad	125-4L
4140.00				126	
	cvd	2.73	80	Sh/Clst: gy blk to brn blk, carb	126-1L
			15	Ca : lt gy, m gy, dsk y brn	126-3L
			5	Cont : st, Coal-ad, prp, tar-ad	126-4L
	cvd		tr	Sh/Clst: m gy to drk gy	126-2L
4145.00				127	
	cvd	2.33	80	Sh/Clst: gy blk to brn blk, carb	127-1L
			20	Ca : lt gy, m gy, dsk y brn	127-3L
			tr	Sh/Clst: m gy to drk gy	127-2L
			tr	Cont : st, Coal-ad, prp, tar-ad	127-4L
4150.00				128	
	cvd	0.17	50	Sh/Clst: gy blk to brn blk, carb	128-1L
			25	Ca : lt gy, m gy, dsk y brn	128-2L
			25	S/Sst : lt gy to dsk y brn, calc	128-4L
			tr	Cont : st, Coal-ad, prp, tar-ad	128-3L
4155.00				129	
	cvd	0.73	40	Sh/Clst: gy blk to brn blk, carb	129-1L
			40	S/Sst : brn gy, lt gy, drk y brn, dsk y brn, calc, mic, glauc	129-4L
	cvd		15	Ca : lt gy, m gy, dsk y brn	129-2L
			5	Cont : st, Coal-ad, prp, tar-ad	129-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int	Cvd	TOC%	%		
4160.00					130
	cvd	2.20	60	Sh/Clst: gy blk to brn blk, carb	130-1L
	cvd		15	Ca : lt gy, m gy, dsk y brn	130-2L
			15	Cont : st, Coal-ad, prp, tar-ad	130-3L
			10	S/Sst : brn gy, lt gy, drk y brn, dsk y brn, calc, mic, glauc	130-4L
4165.00					131
	cvd	2.17	80	Sh/Clst: gy blk to brn blk, carb	131-1L
	cvd		15	Ca : lt gy, m gy, dsk y brn	131-2L
			5	Cont : st, Coal-ad, prp, tar-ad	131-3L
			tr	S/Sst : brn gy, lt gy, drk y brn, dsk y brn, calc, mic, glauc	131-4L
4170.00					132
	cvd	2.12	80	Sh/Clst: gy blk to brn blk, carb	132-1L
	cvd		15	Ca : lt gy, m gy, dsk y brn	132-2L
			5	Cont : st, Coal-ad, prp, tar-ad	132-3L
			tr	S/Sst : brn gy, lt gy, drk y brn, dsk y brn, calc, mic, glauc	132-4L
4175.00					133
	cvd	2.12	60	Sh/Clst: gy blk to brn blk, carb	133-1L
			25	Cont : st, Coal-ad, prp, tar-ad	133-3L
	cvd		15	Ca : lt gy, m gy, dsk y brn	133-2L
			tr	S/Sst : brn gy, lt gy, drk y brn, dsk y brn, calc, mic, glauc	133-4L
4180.00					134
	cvd	2.69	90	Sh/Clst: gy blk to brn blk, carb	134-1L
	cvd		10	Ca : lt gy, m gy, dsk y brn	134-2L
			tr	Cont : st, Coal-ad, prp, tar-ad	134-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	% Lithology description		
4185.00					135
	cvd	1.92	90 Sh/Clst: gy blk to brn blk, carb		135-1L
	cvd		5 Ca : lt gy, m gy, dsk y brn		135-2L
			5 Cont : st, Coal-ad, prp, tar-ad		135-3L
			tr Sh/Clst: gy red		135-4L
4190.00					136
	cvd	2.29	80 Sh/Clst: gy blk to brn blk, carb		136-1L
	cvd		15 Ca : lt gy, m gy, dsk y brn		136-2L
			5 Cont : st, Coal-ad, prp, tar-ad		136-3L
4195.00					137
	cvd	2.15	100 Sh/Clst: gy blk to brn blk, carb		137-1L
			tr Ca : lt gy, m gy, dsk y brn		137-2L
			tr Cont : st, Coal-ad, prp, tar-ad		137-3L
4200.00					138
	cvd	2.05	100 Sh/Clst: gy blk to brn blk, carb		138-1L
			tr Ca : lt gy, m gy, dsk y brn		138-2L
			tr Cont : st, Coal-ad, prp, tar-ad		138-3L
4205.00					139
	cvd	2.06	100 Sh/Clst: gy blk to brn blk, carb		139-1L
			tr Ca : lt gy, m gy, dsk y brn		139-2L
			tr Cont : st, Coal-ad, prp, tar-ad		139-3L
			tr S/Sst : w, l		139-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type			Trb	Sample
Int Cvd	TOC%	%	Lithology description		
4210.00					140
cvd	1.83	100	Sh/Clst: gy blk to brn blk, carb tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad tr S/Sst : w, l		140-1L 140-2L 140-3L 140-4L
4215.00					141
cvd	2.06	100	Sh/Clst: gy blk to brn blk, carb tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad tr S/Sst : w, l		141-1L 141-2L 141-3L 141-4L
4220.00					142
cvd	2.20	100	Sh/Clst: gy blk to brn blk, carb tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad tr S/Sst : w, l		142-1L 142-2L 142-3L 142-4L
4225.00					143
cvd	2.44	100	Sh/Clst: ol blk to drk gy tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad		143-1L 143-2L 143-3L
4230.00					144
cvd	2.19	100	Sh/Clst: ol blk to drk gy tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad		144-1L 144-2L 144-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type			Trb	Sample
Int	Cvd	TOC%	% Lithology description		
4235.00					145
	cvd	1.97	100 Sh/Clst: ol blk to drk gy tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad tr S/Sst : w, l		145-1L 145-2L 145-3L 145-4L
4240.00					146
	cvd	1.81	90 Sh/Clst: ol blk to drk gy 10 S/Sst : w, f, l tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad		146-1L 146-4L 146-2L 146-3L
4245.00					147
	cvd	1.96	90 Sh/Clst: ol blk to drk gy 10 S/Sst : w, f, l tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad		147-1L 147-4L 147-2L 147-3L
4250.00					148
	cvd	2.09	90 Sh/Clst: ol blk to drk gy 10 S/Sst : w to y gy, f, l tr Ca : lt gy, m gy, dsk y brn tr Cont : st, Coal-ad, prp, tar-ad		148-1L 148-4L 148-2L 148-3L
4255.00					149
		1.90	90 Sh/Clst: gy blk to ol blk 5 Ca : lt gy, m gy, dsk y brn 5 S/Sst : w to y gy, f, l tr Cont : st, Coal-ad, prp, tar-ad		149-1L 149-2L 149-4L 149-3L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC% % Lithology description		
4260.00			150
	2.08 90 Sh/Clst: gy blk to ol blk		150-1L
	5 Ca : lt gy, m gy, dsk y brn		150-2L
	5 S/Sst : w to y gy, f, l		150-4L
	tr Cont : st, Coal-ad, prp, tar-ad		150-3L
	tr Sh/Clst: gy red		150-5L
4265.00			151
	2.15 90 Sh/Clst: gy blk to ol blk		151-1L
	5 Ca : lt gy, m gy, dsk y brn		151-2L
	5 S/Sst : w to y gy, f, l		151-4L
	tr Cont : st, Coal-ad, prp, tar-ad		151-3L
	tr Sh/Clst: gy red		151-5L
4270.00			152
	2.21 90 Sh/Clst: gy blk to ol blk		152-1L
	10 S/Sst : w to y gy, f, l		152-4L
	tr Ca : lt gy, m gy, dsk y brn		152-2L
	tr Cont : st, Coal-ad, prp, tar-ad		152-3L
4275.00			153
	2.01 90 Sh/Clst: gy blk to ol blk		153-1L
	10 S/Sst : w to y gy, f, l		153-4L
	tr Ca : lt gy, m gy, dsk y brn		153-2L
	tr Cont : st, Coal-ad, prp, tar-ad		153-3L
4280.00			154
	2.31 85 Sh/Clst: gy blk to ol blk		154-1L
	5 Ca : lt gy, m gy, dsk y brn		154-2L
	5 Sh/Clst: gy red		154-5L
	5 Sh/Clst: gn gy		154-6L
	tr Cont : st, Coal-ad, prp, tar-ad		154-3L
	tr S/Sst : w to y gy, f, l		154-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4285.00				155
	2.27	70 Sh/Clst: gy blk to ol blk		155-1L
		15 S/Sst : w to y gy, f, l		155-4L
		10 Sh/Clst: gy red		155-5L
		5 Ca : lt gy, m gy, dsk y brn		155-2L
		tr Cont : st, Coal-ad, prp, tar-ad		155-3L
		tr Sh/Clst: gn gy		155-6L
4290.00				156
	1.71	70 Sh/Clst: gy blk to ol blk		156-1L
		25 S/Sst : w to y gy, f, l		156-4L
		5 Sh/Clst: gy red		156-5L
		tr Ca : lt gy, m gy, dsk y brn		156-2L
		tr Cont : st, Coal-ad, prp, tar-ad		156-3L
		tr Sh/Clst: gn gy		156-6L
4295.00				157
	2.10	80 Sh/Clst: gy blk to ol blk		157-1L
		15 S/Sst : w to y gy, f, l		157-4L
		5 Sh/Clst: gy red		157-5L
		tr Ca : lt gy, m gy, dsk y brn		157-2L
		tr Cont : st, Coal-ad, prp, tar-ad		157-3L
		tr Sh/Clst: gn gy		157-6L
4300.00				158
	2.51	80 Sh/Clst: gy blk to ol blk		158-1L
		15 S/Sst : w to y gy, f, l		158-4L
		5 Sh/Clst: gy red		158-5L
		tr Ca : lt gy, m gy, dsk y brn		158-2L
		tr Cont : st, Coal-ad, prp, tar-ad		158-3L
		tr Sh/Clst: gn gy		158-6L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4305.00				159
	1.92	70 Sh/Clst: gy blk to ol blk		159-1L
		25 S/Sst : w, brn gy, y brn, lt gy, f, l		159-4L
		5 Sh/Clst: gy red		159-5L
		tr Ca : lt gy, m gy, dsk y brn		159-2L
		tr Cont : st, Coal-ad, prp, tar-ad		159-3L
		tr Sh/Clst: gn gy		159-6L
4310.00				160
	2.31	85 Sh/Clst: gy blk to ol blk		160-1L
		15 S/Sst : w, brn gy, y brn, lt gy, f, l		160-4L
		tr Ca : lt gy, m gy, dsk y brn		160-2L
		tr Cont : st, Coal-ad, prp, tar-ad		160-3L
		tr Sh/Clst: gy red		160-5L
		tr Sh/Clst: gn gy		160-6L
4315.00				161
	1.79	85 Sh/Clst: gy blk to ol blk		161-1L
		15 S/Sst : w, brn gy, y brn, lt gy, f, l		161-4L
		tr Ca : lt gy, m gy, dsk y brn		161-2L
		tr Cont : st, Coal-ad, prp, tar-ad		161-3L
		tr Sh/Clst: gy red		161-5L
		tr Sh/Clst: gn gy		161-6L
4320.00				162
	1.97	75 Sh/Clst: gy blk to ol blk		162-1L
		25 S/Sst : w, brn gy, y brn, lt gy, f, l		162-4L
		tr Ca : lt gy, m gy, dsk y brn		162-2L
		tr Cont : st, Coal-ad, prp, tar-ad		162-3L
		tr Sh/Clst: gy red		162-5L
		tr Sh/Clst: gn gy		162-6L



Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4325.00				163
	1.82	75 Sh/Clst: gy blk to ol blk		163-1L
		25 S/Sst : w, brn gy, y brn, lt gy, f, l		163-4L
		tr Ca : lt gy, m gy, dsk y brn		163-2L
		tr Cont : st, Coal-ad, prp, tar-ad		163-3L
		tr Sh/Clst: gy red		163-5L
		tr Sh/Clst: gn gy		163-6L
4330.00				164
	2.54	75 Sh/Clst: gy blk to ol blk		164-1L
		20 S/Sst : w, gn gy, y brn		164-2L
		5 Sh/Clst: gy red		164-3L
4335.00				165
	1.78	85 Sh/Clst: gy blk to ol blk		165-1L
		10 S/Sst : w, gn gy, y brn		165-2L
		5 Sh/Clst: gy red		165-3L
4340.00				166
	2.12	70 Sh/Clst: gy blk to ol blk		166-1L
		20 S/Sst : w, gn gy, gy red, y brn		166-2L
		10 Sh/Clst: gy red		166-3L
4345.00				167
		70 Sh/Clst: gy blk to ol blk		167-1L
		10 S/Sst : w, gn gy, gy red, y brn		167-2L
		10 Sh/Clst: gy red		167-3L
		10 Cont : Coal-ad		167-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int	Cvd	TOC%	%	Lithology description
4350.00				168
				80 Sh/Clst: gy blk to ol blk 168-1L
				10 S/Sst : w, gn gy, gy red, y brn 168-2L
				10 Sh/Clst: gy red 168-3L
				tr Cont : Coal-ad 168-4L
4355.00				169
				80 Sh/Clst: gy blk to ol blk 169-1L
				10 S/Sst : w, gn gy, gy red, y brn 169-2L
				10 Sh/Clst: gy red 169-3L
				tr Cont : Coal-ad 169-4L
4360.00				170
	1.85			80 Sh/Clst: gy blk to ol blk 170-1L
				10 S/Sst : w, gn gy, gy red, y brn 170-2L
				10 Sh/Clst: gy red 170-3L
				tr Cont : Coal-ad 170-4L
4365.00				171
				70 Sh/Clst: gy blk to ol blk 171-1L
				15 S/Sst : w, gn gy, gy red, y brn 171-2L
				15 Sh/Clst: gy red 171-3L
				tr Cont : Coal-ad 171-4L
4370.00				172
				70 Sh/Clst: gy blk to ol blk 172-1L
				15 S/Sst : w, gn gy, gy red, y brn 172-2L
				15 Sh/Clst: gy red 172-3L
				tr Cont : Coal-ad 172-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
4375.00				173
		90 Sh/Clst: gy blk to ol blk		173-1L
		5 S/Sst : w, gn gy, gy red, y brn		173-2L
		5 Sh/Clst: gy red		173-3L
4380.00				174
	1.41	70 Sh/Clst: gy blk to ol blk		174-1L
		20 Sh/Clst: gy red		174-3L
		10 S/Sst : w, gn gy, gy red, y brn		174-2L
4385.00				175
		50 Sh/Clst: gy blk to ol blk		175-1L
		40 Sh/Clst: gy red		175-3L
		10 S/Sst : w, gn gy, gy red, y brn		175-2L
4390.00				176
		40 Sh/Clst: gy blk to ol blk		176-1L
		40 Sh/Clst: gy red		176-3L
		10 S/Sst : w, gn gy, gy red, y brn		176-2L
		10 Cont : Coal-ad		176-4L
4395.00				177
		50 Sh/Clst: gy blk to ol blk		177-1L
		40 Sh/Clst: gy red		177-3L
		10 S/Sst : w, gn gy, gy red, y brn		177-2L
		tr Cont : Coal-ad		177-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4400.00				178
	1.41	50 Sh/Clst: gy blk to ol blk		178-1L
		40 Sh/Clst: gy red		178-3L
		10 S/Sst : w, gn gy, gy red, y brn		178-2L
		tr Cont : Coal-ad		178-4L
4405.00				179
		45 Sh/Clst: gy blk to ol blk		179-1L
		45 Sh/Clst: gy red		179-3L
		10 S/Sst : w, gn gy, gy red, y brn		179-2L
		tr Cont : Coal-ad		179-4L
4410.00				180
		45 Sh/Clst: gy red		180-3L
		40 Sh/Clst: gy blk to ol blk		180-1L
		10 Cont : Coal-ad		180-4L
		5 S/Sst : w, gn gy, gy red, y brn		180-2L
4415.00				181
		50 Sh/Clst: gy blk to ol blk		181-1L
		45 Sh/Clst: gy red		181-3L
		5 Cont : st, Coal-ad, tar-ad		181-4L
		tr S/Sst : w, gn gy, gy red, y brn		181-2L
4420.00				182
	1.55	45 Sh/Clst: gy blk to ol blk		182-1L
		45 Sh/Clst: gy red		182-3L
		10 Cont : st, Coal-ad, tar-ad		182-4L
		tr S/Sst : w, gn gy, gy red, y brn		182-2L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
4425.00				183
		40 Sh/Clst: gy blk to ol blk		183-1L
		40 Sh/Clst: gy red		183-3L
		15 Cont : st, Coal-ad, tar-ad		183-4L
		5 S/Sst : w, gn gy, gy red, y brn		183-2L
4430.00				184
		50 Sh/Clst: gy red		184-3L
		40 Sh/Clst: gy blk to ol blk		184-1L
		5 S/Sst : w, gn gy, gy red, y brn		184-2L
		5 Cont : st, Coal-ad, tar-ad		184-4L
4435.00				185
		40 S/Sst : w, gn gy, gy red, y brn		185-2L
		30 Sh/Clst: gy blk to ol blk		185-1L
		30 Sh/Clst: gy red		185-3L
		tr Cont : Coal-ad		185-4L
4440.00				186
	1.56	45 Sh/Clst: gy blk to ol blk		186-1L
		45 Sh/Clst: gy red		186-3L
		10 S/Sst : w, gn gy, gy red, y brn		186-2L
		tr Cont : Coal-ad		186-4L
4445.00				187
		55 Sh/Clst: gy red		187-3L
		40 Sh/Clst: gy blk to ol blk		187-1L
		5 S/Sst : w, gn gy, gy red, y brn		187-2L
		tr Cont : Coal-ad		187-4L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
4450.00				188
		45	Sh/Clst: gy blk to ol blk	188-1L
		45	Sh/Clst: gy red	188-3L
		10	S/Sst : w, gn gy, gy red, y brn	188-2L
		tr	Cont : Coal-ad	188-4L
4455.00				189
		40	Sh/Clst: gy blk to ol blk	189-1L
		40	Sh/Clst: gy red	189-3L
		20	S/Sst : w, gn gy, gy red, y brn	189-2L
4460.00				190
		40	S/Sst : w, gn gy, gy red, y brn	190-2L
		30	Sh/Clst: gy blk to ol blk	190-1L
		30	Sh/Clst: gy red	190-3L
4465.00				191
		40	Sh/Clst: gy blk to ol blk	191-1L
		40	Sh/Clst: gy red	191-3L
		20	S/Sst : w, gn gy, gy red, y brn	191-2L
4470.00				192
		40	Sh/Clst: gy red	192-3L
		30	Sh/Clst: gy blk to ol blk	192-1L
		30	S/Sst : w, gn gy, gy red, y brn	192-2L
4475.00				193
		40	Sh/Clst: gy blk to ol blk	193-1L
		40	Sh/Clst: gy red	193-3L
		20	S/Sst : w, gn gy, gy red, y brn	193-2L

Table 1 : Lithology description for well NOCS 7/11-5

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
4478.00			
			40 Sh/Clst: gy blk to ol blk
			40 Sh/Clst: gy red
			20 S/Sst : w, gn gy, gy red, y brn

Table 2 : Rock-Eval table for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4025.00	cut	Sh/Clst: brn blk	4.31	9.45	0.92	10.27	7.51	126	12	13.8	0.31	434	103-1L
4030.00	cut	Sh/Clst: brn blk	2.00	3.86	0.29	13.31	3.07	126	9	5.9	0.34	439	104-1L
4035.00	cut	Sh/Clst: gy blk to brn blk	2.14	4.08	0.15	27.20	3.07	133	5	6.2	0.34	438	105-1L
4040.00	cut	Sh/Clst: gy blk to brn blk	1.68	3.27	0.24	13.63	2.75	119	9	4.9	0.34	439	106-1L
4050.00	cut	Sh/Clst: gy blk to brn blk	0.84	1.23	0.27	4.56	1.48	83	18	2.1	0.41	436	108-1L
4055.00	cut	Sh/Clst: gy blk to brn blk	1.50	2.18	0.34	6.41	2.42	90	14	3.7	0.41	439	109-1L
4060.00	cut	Sh/Clst: gy blk to brn blk	1.69	2.85	0.09	31.67	2.54	112	4	4.5	0.37	438	110-1L
4065.00	cut	Sh/Clst: gy blk to brn blk	0.97	1.05	0.11	9.55	1.70	62	6	2.0	0.48	437	111-1L
4070.00	cut	Sh/Clst: gy blk to brn blk	1.04	1.52	0.27	5.63	1.89	80	14	2.6	0.41	434	112-1L
4075.00	cut	Sh/Clst: gy blk to brn blk	0.71	0.92	0.17	5.41	1.43	64	12	1.6	0.44	437	113-1L
4080.00	cut	Sh/Clst: gy blk to brn blk	0.92	1.36	0.31	4.39	1.71	80	18	2.3	0.40	436	114-1L
4090.00	cut	Sh/Clst: gy blk to brn blk	1.00	1.18	0.18	6.56	1.55	76	12	2.2	0.46	437	116-1L
4095.00	cut	Sh/Clst: gy blk to brn blk	1.32	1.96	0.24	8.17	2.09	94	11	3.3	0.40	438	117-1L
4100.00	cut	Sh/Clst: gy blk to brn blk	1.27	1.87	0.22	8.50	2.03	92	11	3.1	0.40	439	118-1L
4105.00	cut	Sh/Clst: gy blk to brn blk	1.53	2.54	0.19	13.37	2.40	106	8	4.1	0.38	439	119-1L



Table 2 : Rock-Eval table for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4110.00	cut	Sh/Clst: gy blk to brn blk	1.32	1.69	0.26	6.50	2.12	80	12	3.0	0.44	437	120-1L
4120.00	cut	Sh/Clst: gy blk to brn blk	2.50	3.16	0.36	8.78	3.26	97	11	5.7	0.44	436	122-1L
4125.00	cut	Sh/Clst: gy blk to brn blk	2.66	3.72	0.41	9.07	3.39	110	12	6.4	0.42	438	123-1L
4130.00	cut	Sh/Clst: gy blk to brn blk	2.73	3.63	0.31	11.71	3.48	104	9	6.4	0.43	435	124-1L
4135.00	cut	Sh/Clst: gy blk to brn blk	3.05	3.91	0.38	10.29	3.69	106	10	7.0	0.44	432	125-1L
4140.00	cut	Sh/Clst: gy blk to brn blk	1.97	2.41	0.31	7.77	2.73	88	11	4.4	0.45	436	126-1L
4145.00	cut	Sh/Clst: gy blk to brn blk	1.55	2.13	0.18	11.83	2.33	91	8	3.7	0.42	436	127-1L
4150.00	cut	Ca : lt gy, m gy, dsk y brn	0.06	0.04	0.16	0.25	0.17	24	94	0.1	0.60	417	128-2L
4155.00	cut	S/Sst : brn gy, lt gy, drk y brn, dsk y brn	0.61	0.66	0.25	2.64	0.73	90	34	1.3	0.48	422	129-4L
4160.00	cut	Sh/Clst: gy blk to brn blk	1.74	1.98	0.26	7.62	2.20	90	12	3.7	0.47	437	130-1L
4165.00	cut	Sh/Clst: gy blk to brn blk	1.70	2.42	0.15	16.13	2.17	112	7	4.1	0.41	439	131-1L
4170.00	cut	Sh/Clst: gy blk to brn blk	1.56	2.09	0.16	13.06	2.12	99	8	3.6	0.43	438	132-1L
4175.00	cut	Sh/Clst: gy blk to brn blk	2.06	2.52	0.19	13.26	2.12	119	9	4.6	0.45	439	133-1L
4180.00	cut	Sh/Clst: gy blk to brn blk	2.08	3.45	0.16	21.56	2.69	128	6	5.5	0.38	438	134-1L
4185.00	cut	Sh/Clst: gy blk to brn blk	1.34	2.03	0.13	15.62	1.92	106	7	3.4	0.40	440	135-1L

Table 2 : Rock-Eval table for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4190.00	cut	Sh/Clst: gy blk to brn blk	1.64	2.69	0.12	22.42	2.29	117	5	4.3	0.38	439	136-1L
4195.00	cut	Sh/Clst: gy blk to brn blk	1.51	2.17	0.08	27.13	2.15	101	4	3.7	0.41	440	137-1L
4200.00	cut	Sh/Clst: gy blk to brn blk	1.26	2.04	0.15	13.60	2.05	100	7	3.3	0.38	440	138-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	1.51	2.05	0.07	29.29	2.06	100	3	3.6	0.42	440	139-1L
4210.00	cut	Sh/Clst: gy blk to brn blk	1.79	2.21	0.14	15.79	1.83	121	8	4.0	0.45	437	140-1L
4215.00	cut	Sh/Clst: gy blk to brn blk	1.54	1.99	0.10	19.90	2.06	97	5	3.5	0.44	439	141-1L
4220.00	cut	Sh/Clst: gy blk to brn blk	1.51	2.43	0.13	18.69	2.20	110	6	3.9	0.38	439	142-1L
4225.00	cut	Sh/Clst: ol blk to drk gy	1.72	2.72	0.17	16.00	2.44	111	7	4.4	0.39	438	143-1L
4230.00	cut	Sh/Clst: ol blk to drk gy	1.51	2.51	0.16	15.69	2.19	115	7	4.0	0.38	439	144-1L
4235.00	cut	Sh/Clst: ol blk to drk gy	1.45	2.36	0.18	13.11	1.97	120	9	3.8	0.38	440	145-1L
4240.00	cut	Sh/Clst: ol blk to drk gy	0.69	1.29	0.15	8.60	1.81	71	8	2.0	0.35	447	146-1L
4245.00	cut	Sh/Clst: ol blk to drk gy	0.88	1.71	0.15	11.40	1.96	87	8	2.6	0.34	450	147-1L
4250.00	cut	Sh/Clst: ol blk to drk gy	1.10	1.76	0.18	9.78	2.09	84	9	2.9	0.38	449	148-1L
4255.00	cut	Sh/Clst: gy blk to ol blk	0.90	1.46	0.21	6.95	1.90	77	11	2.4	0.38	449	149-1L
4260.00	cut	Sh/Clst: gy blk to ol blk	0.90	1.57	0.19	8.26	2.08	75	9	2.5	0.36	449	150-1L

Table 2 : Rock-Eval table for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4265.00	cut	Sh/Clst: gy blk to ol blk	1.06	1.86	0.27	6.89	2.15	87	13	2.9	0.36	449	151-1L
4270.00	cut	Sh/Clst: gy blk to ol blk	1.09	1.77	0.16	11.06	2.21	80	7	2.9	0.38	449	152-1L
4275.00	cut	Sh/Clst: gy blk to ol blk	0.88	1.35	0.17	7.94	2.01	67	8	2.2	0.39	449	153-1L
4280.00	cut	Sh/Clst: gy blk to ol blk	1.06	1.76	0.25	7.04	2.31	76	11	2.8	0.38	448	154-1L
4285.00	cut	Sh/Clst: gy blk to ol blk	1.09	1.85	0.29	6.38	2.27	81	13	2.9	0.37	450	155-1L
4290.00	cut	Sh/Clst: gy blk to ol blk	0.80	1.25	0.47	2.66	1.71	73	27	2.0	0.39	449	156-1L
4295.00	cut	Sh/Clst: gy blk to ol blk	1.06	1.70	0.31	5.48	2.10	81	15	2.8	0.38	451	157-1L
4300.00	cut	Sh/Clst: gy blk to ol blk	1.30	2.42	0.36	6.72	2.51	96	14	3.7	0.35	448	158-1L
4305.00	cut	Sh/Clst: gy blk to ol blk	0.97	1.58	0.42	3.76	1.92	82	22	2.6	0.38	452	159-1L
4310.00	cut	Sh/Clst: gy blk to ol blk	1.18	1.89	0.51	3.71	2.31	82	22	3.1	0.38	450	160-1L
4315.00	cut	Sh/Clst: gy blk to ol blk	0.77	1.29	0.61	2.11	1.79	72	34	2.1	0.37	451	161-1L
4320.00	cut	Sh/Clst: gy blk to ol blk	0.95	1.48	0.46	3.22	1.97	75	23	2.4	0.39	450	162-1L
4325.00	cut	Sh/Clst: gy blk to ol blk	0.80	1.11	0.50	2.22	1.82	61	27	1.9	0.42	451	163-1L
4330.00	cut	Sh/Clst: gy blk to ol blk	1.41	2.30	0.50	4.60	2.54	91	20	3.7	0.38	450	164-1L
4335.00	cut	Sh/Clst: gy blk to ol blk	0.88	1.35	0.60	2.25	1.78	76	34	2.2	0.39	451	165-1L

Table 2 : Rock-Eval table for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
4340.00	cut	Sh/Clst: gy blk to ol blk	1.14	1.85	0.45	4.11	2.12	87	21	3.0	0.38	445	166-1L
4360.00	cut	Sh/Clst: gy blk to ol blk	0.98	1.41	0.48	2.94	1.85	76	26	2.4	0.41	451	170-1L
4380.00	cut	Sh/Clst: gy blk to ol blk	0.60	0.88	0.41	2.15	1.41	62	29	1.5	0.41	450	174-1L
4400.00	cut	Sh/Clst: gy blk to ol blk	0.57	0.91	0.37	2.46	1.41	65	26	1.5	0.39	448	178-1L
4420.00	cut	Sh/Clst: gy blk to ol blk	0.64	0.98	0.51	1.92	1.55	63	33	1.6	0.40	450	182-1L
4440.00	cut	Sh/Clst: gy blk to ol blk	0.72	1.20	0.42	2.86	1.56	77	27	1.9	0.38	448	186-1L

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 7/11-5

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
4040.00	com	Composite sample - see table 3 e	10.7	17.5	4.7	1.6	0.3	11.0	6.2	11.3	0.94	195-0B
4060.00	com	Composite sample - see table 3 e	4.7	12.4	5.0	1.7	0.4	5.3	6.7	5.7	1.80	198-0B
4070.00	com	Composite sample - see table 3 e	5.1	9.2	3.6	2.0	0.3	3.3	5.6	3.6	1.51	199-0B
4090.00	com	Composite sample - see table 3 e	10.0	20.5	8.9	2.3	0.5	8.8	11.2	9.3	1.42	200-0B
4100.00	com	Composite sample - see table 3 e	7.5	15.4	4.6	1.6	1.6	7.6	6.2	9.2	1.64	201-0B
4110.00	com	Composite sample - see table 3 e	9.4	25.1	9.5	2.3	0.8	12.5	11.8	13.3	1.83	202-0B
4125.00	com	Composite sample - see table 3 e	9.4	40.8	17.8	3.6	0.7	18.7	21.4	19.4	2.39	203-0B
4135.00	com	Composite sample - see table 3 e	10.2	47.0	19.2	4.4	0.4	23.0	23.6	23.4	2.64	204-0B
4145.00	com	Composite sample - see table 3 e	10.2	39.2	5.3	3.2	0.6	30.1	8.5	30.7	2.26	205-0B
4165.00	com	Composite sample - see table 3 e	9.5	31.8	12.8	2.8	0.9	15.3	15.6	16.2	1.91	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	10.1	33.9	12.7	3.1	0.8	17.3	15.8	18.1	1.92	132-1L
4190.00	com	Composite sample - see table 3 e	14.5	54.0	19.6	4.9	1.2	28.3	24.5	29.5	2.13	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	9.7	29.7	11.6	2.8	0.2	15.1	14.4	15.3	1.78	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	9.9	33.6	11.6	3.0	0.9	18.1	14.6	19.0	1.97	139-1L

Table 3 a: Weight of EOM and Chromatographic Fraction for well NOCS 7/11-5

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
4220.00	cut	Sh/Clst: gy blk to brn blk	9.1	25.2	10.4	2.9	3.5	8.4	13.3	11.9	1.76	142-1L
4235.00	com	Composite sample - see table 3 e	12.3	40.7	13.8	3.1	1.3	22.5	16.9	23.8	4.32	197-0B
4275.00	com	Composite sample - see table 3 e	10.2	35.1	11.4	2.5	1.0	20.2	13.9	21.2	1.88	207-0B
4300.00	com	Composite sample - see table 3 e	10.4	35.6	10.5	2.9	1.1	21.1	13.4	22.2	1.88	208-0B
4320.00	com	Composite sample - see table 3 e	9.8	37.1	11.1	3.1	1.3	21.6	14.2	22.9	2.06	209-0B
4360.00	com	Composite sample - see table 3 e	10.1	38.5	11.4	2.7	1.2	23.2	14.1	24.4	1.96	210-0B
4440.00	com	Composite sample - see table 3 e	9.0	26.4	8.5	2.0	1.0	14.9	10.5	15.9	1.62	211-0B

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4040.00	com	Composite sample - see table 3 e	1637	437	145	28	1025	583	1053	195-0B
4060.00	com	Composite sample - see table 3 e	2627	1059	360	84	1122	1419	1207	198-0B
4070.00	com	Composite sample - see table 3 e	1803	705	392	58	647	1098	705	199-0B
4090.00	com	Composite sample - see table 3 e	2045	888	229	49	878	1117	928	200-0B
4100.00	com	Composite sample - see table 3 e	2050	612	213	213	1011	825	1225	201-0B
4110.00	com	Composite sample - see table 3 e	2684	1016	245	85	1336	1262	1422	202-0B
4125.00	com	Composite sample - see table 3 e	4322	1885	381	74	1980	2266	2055	203-0B
4135.00	com	Composite sample - see table 3 e	4594	1876	430	39	2248	2306	2287	204-0B
4145.00	com	Composite sample - see table 3 e	3843	519	313	58	2950	833	3009	205-0B
4165.00	com	Composite sample - see table 3 e	3336	1343	293	94	1605	1636	1699	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	3366	1261	307	79	1717	1569	1797	132-1L
4190.00	com	Composite sample - see table 3 e	3713	1345	338	82	1947	1683	2030	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	3049	1190	287	20	1550	1478	1570	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	3387	1169	302	90	1824	1471	1915	139-1L

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4220.00	cut	Sh/Clst: gy blk to brn blk	2784	1149	320	386	928	1469	1314	142-1L
4235.00	com	Composite sample - see table 3 e	3314	1123	254	105	1830	1377	1936	197-0B
4275.00	com	Composite sample - see table 3 e	3451	1120	245	98	1986	1366	2084	207-0B
4300.00	com	Composite sample - see table 3 e	3426	1010	279	105	2030	1289	2136	208-0B
4320.00	com	Composite sample - see table 3 e	3774	1129	315	132	2197	1444	2329	209-0B
4360.00	com	Composite sample - see table 3 e	3796	1124	266	118	2287	1390	2406	210-0B
4440.00	com	Composite sample - see table 3 e	2920	940	221	110	1648	1161	1758	211-0B



Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4040.00	com	Composite sample - see table 3 e	174.15	46.57	15.52	2.99	109.07	62.10	112.06	195-0B
4060.00	com	Composite sample - see table 3 e	145.95	58.85	20.01	4.71	62.38	78.86	67.09	198-0B
4070.00	com	Composite sample - see table 3 e	119.47	46.75	25.97	3.90	42.85	72.72	46.75	199-0B
4090.00	com	Composite sample - see table 3 e	144.08	62.55	16.16	3.51	61.85	78.72	65.36	200-0B
4100.00	com	Composite sample - see table 3 e	125.04	37.35	12.99	12.99	61.71	50.34	74.70	201-0B
4110.00	com	Composite sample - see table 3 e	146.69	55.52	13.44	4.68	73.05	68.96	77.73	202-0B
4125.00	com	Composite sample - see table 3 e	180.84	78.90	15.96	3.10	82.88	94.85	85.99	203-0B
4135.00	com	Composite sample - see table 3 e	174.03	71.09	16.29	1.48	85.16	87.38	86.64	204-0B
4145.00	com	Composite sample - see table 3 e	170.05	22.99	13.88	2.60	130.57	36.87	133.18	205-0B
4165.00	com	Composite sample - see table 3 e	174.70	70.32	15.38	4.94	84.06	85.70	89.00	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	175.34	65.69	16.03	4.14	89.48	81.72	93.62	132-1L
4190.00	com	Composite sample - see table 3 e	174.36	63.16	15.89	3.87	91.44	79.04	95.32	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	171.31	66.91	16.15	1.15	87.10	83.06	88.25	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	171.93	59.36	15.35	4.61	92.62	74.71	97.22	139-1L

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
4220.00	cut	Sh/Clst: gy blk to brn blk	158.21	65.29	18.21	21.97	52.74	83.50	74.71	142-1L
4235.00	com	Composite sample - see table 3 e	76.72	26.01	5.88	2.45	42.38	31.89	44.83	197-0B
4275.00	com	Composite sample - see table 3 e	183.58	59.62	13.08	5.23	105.65	72.70	110.88	207-0B
4300.00	com	Composite sample - see table 3 e	182.25	53.75	14.85	5.63	108.02	68.60	113.65	208-0B
4320.00	com	Composite sample - see table 3 e	183.21	54.82	15.31	6.42	106.67	70.12	113.09	209-0B
4360.00	com	Composite sample - see table 3 e	193.72	57.36	13.59	6.04	116.73	70.95	122.77	210-0B
4440.00	com	Composite sample - see table 3 e	180.27	58.04	13.66	6.83	101.74	71.70	108.57	211-0B

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 7/11-5

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	
4040.00	com	Composite sample - see table 3 e	26.74	8.91	1.71	62.63	35.66	64.34	300.00	55.42	195-0B
4060.00	com	Composite sample - see table 3 e	40.32	13.71	3.23	42.74	54.03	45.97	294.12	117.54	198-0B
4070.00	com	Composite sample - see table 3 e	39.13	21.74	3.26	35.87	60.87	39.13	180.00	155.56	199-0B
4090.00	com	Composite sample - see table 3 e	43.41	11.22	2.44	42.93	54.63	45.37	386.96	120.43	200-0B
4100.00	com	Composite sample - see table 3 e	29.87	10.39	10.39	49.35	40.26	59.74	287.50	67.39	201-0B
4110.00	com	Composite sample - see table 3 e	37.85	9.16	3.19	49.80	47.01	52.99	413.04	88.72	202-0B
4125.00	com	Composite sample - see table 3 e	43.63	8.82	1.72	45.83	52.45	47.55	494.44	110.31	203-0B
4135.00	com	Composite sample - see table 3 e	40.85	9.36	0.85	48.94	50.21	49.79	436.36	100.85	204-0B
4145.00	com	Composite sample - see table 3 e	13.52	8.16	1.53	76.79	21.68	78.32	165.63	27.69	205-0B
4165.00	com	Composite sample - see table 3 e	40.25	8.81	2.83	48.11	49.06	50.94	457.14	96.30	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	37.46	9.14	2.36	51.03	46.61	53.39	409.68	87.29	132-1L
4190.00	com	Composite sample - see table 3 e	36.22	9.11	2.22	52.44	45.33	54.67	397.56	82.93	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	39.06	9.43	0.67	50.84	48.48	51.52	414.29	94.12	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	34.52	8.93	2.68	53.87	43.45	56.55	386.67	76.84	139-1L

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 7/11-5

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	
4220.00	cut	Sh/Clst: gy blk to brn blk	41.27	11.51	13.89	33.33	52.78	47.22	358.62	111.76	142-1L
4235.00	com	Composite sample - see table 3 e	33.91	7.67	3.19	55.23	41.57	58.43	442.31	71.15	197-0B
4275.00	com	Composite sample - see table 3 e	32.48	7.12	2.85	57.55	39.60	60.40	456.00	65.57	207-0B
4300.00	com	Composite sample - see table 3 e	29.49	8.15	3.09	59.27	37.64	62.36	362.07	60.36	208-0B
4320.00	com	Composite sample - see table 3 e	29.92	8.36	3.50	58.22	38.27	61.73	358.06	62.01	209-0B
4360.00	com	Composite sample - see table 3 e	29.61	7.01	3.12	60.26	36.62	63.38	422.22	57.79	210-0B
4440.00	com	Composite sample - see table 3 e	32.20	7.58	3.79	56.44	39.77	60.23	425.00	66.04	211-0B

Table 3 e: List of composite samples appearing in the extraction tables for well NOCS 7/11-5

Depth unit of measure: m

NOTE: Depths shown in tables 3 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>	<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
4025.00	4040.00	com	195-0B is composed of:	4025.00	cut	Sh/Clst: brn blk, carb	103-1L
				4030.00	cut	Sh/Clst: brn blk, carb	104-1L
				4035.00	cut	Sh/Clst: gy blk to brn blk, carb	105-1L
				4040.00	cut	Sh/Clst: gy blk to brn blk, carb	106-1L
4055.00	4060.00	com	198-0B is composed of:	4055.00	cut	Sh/Clst: gy blk to brn blk, carb	109-1L
				4060.00	cut	Sh/Clst: gy blk to brn blk, carb	110-1L
4065.00	4070.00	com	199-0B is composed of:	4065.00	cut	Sh/Clst: gy blk to brn blk, carb	111-1L
				4070.00	cut	Sh/Clst: gy blk to brn blk, carb	112-1L
4075.00	4090.00	com	200-0B is composed of:	4075.00	cut	Sh/Clst: gy blk to brn blk, carb	113-1L
				4080.00	cut	Sh/Clst: gy blk to brn blk, carb	114-1L
				4090.00	cut	Sh/Clst: gy blk to brn blk, carb	116-1L
4095.00	4100.00	com	201-0B is composed of:	4095.00	cut	Sh/Clst: gy blk to brn blk, carb	117-1L
				4100.00	cut	Sh/Clst: gy blk to brn blk, carb	118-1L
4105.00	4110.00	com	202-0B is composed of:	4105.00	cut	Sh/Clst: gy blk to brn blk, carb	119-1L
				4110.00	cut	Sh/Clst: gy blk to brn blk, carb	120-1L
4120.00	4125.00	com	203-0B is composed of:	4120.00	cut	Sh/Clst: gy blk to brn blk, carb	122-1L
				4125.00	cut	Sh/Clst: gy blk to brn blk, carb	123-1L

Depth unit of measure: m

NOTE: Depths shown in tables 3 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>		<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
4130.00	4135.00	com	204-0B	is composed of:	4130.00	cut	Sh/Clst: gy blk to brn blk, carb	124-1L
					4135.00	cut	Sh/Clst: gy blk to brn blk, carb	125-1L
4140.00	4145.00	com	205-0B	is composed of:	4140.00	cut	Sh/Clst: gy blk to brn blk, carb	126-1L
					4145.00	cut	Sh/Clst: gy blk to brn blk, carb	127-1L
4160.00	4165.00	com	206-0B	is composed of:	4160.00	cut	Sh/Clst: gy blk to brn blk, carb	130-1L
					4165.00	cut	Sh/Clst: gy blk to brn blk, carb	131-1L
4175.00	4190.00	com	196-0B	is composed of:	4175.00	cut	Sh/Clst: gy blk to brn blk, carb	133-1L
					4180.00	cut	Sh/Clst: gy blk to brn blk, carb	134-1L
					4185.00	cut	Sh/Clst: gy blk to brn blk, carb	135-1L
					4190.00	cut	Sh/Clst: gy blk to brn blk, carb	136-1L
4225.00	4235.00	com	197-0B	is composed of:	4225.00	cut	Sh/Clst: ol blk to drk gy	143-1L
					4230.00	cut	Sh/Clst: ol blk to drk gy	144-1L
					4235.00	cut	Sh/Clst: ol blk to drk gy	145-1L
4250.00	4275.00	com	207-0B	is composed of:	4250.00	cut	Sh/Clst: ol blk to drk gy	148-1L
					4255.00	cut	Sh/Clst: gy blk to ol blk	149-1L
					4260.00	cut	Sh/Clst: gy blk to ol blk	150-1L
					4265.00	cut	Sh/Clst: gy blk to ol blk	151-1L
					4270.00	cut	Sh/Clst: gy blk to ol blk	152-1L
					4275.00	cut	Sh/Clst: gy blk to ol blk	153-1L

Depth unit of measure: m

NOTE: Depths shown in tables 3 a to d correspond to the composite samples' lower depth.

<u>Upper depth</u>	<u>Lower depth</u>	<u>Typ</u>	<u>Sample</u>	<u>Depth</u>	<u>Typ</u>	<u>Lithology</u>	<u>Sample</u>
4280.00	4300.00	com	208-0B is composed of:	4280.00	cut	Sh/Clst: gy blk to ol blk	154-1L
				4285.00	cut	Sh/Clst: gy blk to ol blk	155-1L
				4290.00	cut	Sh/Clst: gy blk to ol blk	156-1L
				4295.00	cut	Sh/Clst: gy blk to ol blk	157-1L
				4300.00	cut	Sh/Clst: gy blk to ol blk	158-1L
4305.00	4320.00	com	209-0B is composed of:	4305.00	cut	Sh/Clst: gy blk to ol blk	159-1L
				4310.00	cut	Sh/Clst: gy blk to ol blk	160-1L
				4315.00	cut	Sh/Clst: gy blk to ol blk	161-1L
				4320.00	cut	Sh/Clst: gy blk to ol blk	162-1L
4325.00	4360.00	com	210-0B is composed of:	4325.00	cut	Sh/Clst: gy blk to ol blk	163-1L
				4330.00	cut	Sh/Clst: gy blk to ol blk	164-1L
				4335.00	cut	Sh/Clst: gy blk to ol blk	165-1L
				4340.00	cut	Sh/Clst: gy blk to ol blk	166-1L
				4360.00	cut	Sh/Clst: gy blk to ol blk	170-1L
4380.00	4440.00	com	211-0B is composed of:	4380.00	cut	Sh/Clst: gy blk to ol blk	174-1L
				4400.00	cut	Sh/Clst: gy blk to ol blk	178-1L
				4420.00	cut	Sh/Clst: gy blk to ol blk	182-1L
				4440.00	cut	Sh/Clst: gy blk to ol blk	186-1L

Table 4 : Saturated Hydrocarbon Ratios for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
4040.00	com	bulk	0.40	1.51	0.37	0.33	1.03	195-0B
4060.00	com	bulk	0.42	1.49	0.37	0.32	1.01	198-0B
4070.00	com	bulk	0.41	0.28	0.37	0.36	1.01	199-0B
4090.00	com	bulk	0.41	1.47	0.37	0.33	1.06	200-0B
4100.00	com	bulk	0.41	1.33	0.36	0.31	1.00	201-0B
4110.00	com	bulk	0.41	1.45	0.37	0.32	1.08	202-0B
4125.00	com	bulk	0.41	1.29	0.38	0.35	1.17	203-0B
4135.00	com	bulk	0.41	1.37	0.38	0.34	1.18	204-0B
4145.00	com	bulk	0.41	1.36	0.38	0.34	1.13	205-0B
4165.00	com	bulk	0.40	1.47	0.36	0.31	1.12	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	0.42	1.48	0.38	0.33	1.13	132-1L
4190.00	com	bulk	0.37	1.44	0.34	0.30	1.10	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	0.39	1.44	0.36	0.32	1.13	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	0.41	1.45	0.37	0.33	1.12	139-1L



Table 4 : Saturated Hydrocarbon Ratios for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
4220.00	cut	Sh/Clst: gy blk to brn blk	0.46	1.39	0.42	0.36	1.15	142-1L
4235.00	com	bulk	0.38	1.42	0.34	0.30	1.08	197-0B
4275.00	com	bulk	0.42	1.36	0.38	0.34	1.16	207-0B
4300.00	com	bulk	0.37	1.52	0.33	0.28	0.94	208-0B
4320.00	com	bulk	0.36	1.40	0.33	0.29	1.02	209-0B
4360.00	com	bulk	0.40	1.40	0.37	0.33	1.14	210-0B
4440.00	com	bulk	0.39	1.53	0.35	0.29	1.26	211-0B

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
4040.00	com	bulk	-	0.75	-	0.81	0.77	0.79	0.09	-	15.94	195-0B
4060.00	com	bulk	-	2.86	0.07	0.93	0.74	0.76	0.13	21.13	1.82	198-0B
4070.00	com	bulk	-	-	-	0.96	0.76	0.77	0.11	-	-	199-0B
4090.00	com	bulk	1.14	3.43	0.13	0.92	0.74	0.75	0.13	17.59	1.61	200-0B
4100.00	com	bulk	-	-	-	0.93	0.83	0.83	0.10	-	-	201-0B
4110.00	com	bulk	1.29	3.67	0.15	0.91	0.72	0.75	0.12	22.61	1.82	202-0B
4125.00	com	bulk	1.34	3.93	0.14	0.94	0.75	0.75	0.12	12.09	1.45	203-0B
4135.00	com	bulk	1.33	3.76	0.14	0.93	0.74	0.78	0.14	14.41	1.41	204-0B
4145.00	com	bulk	1.33	4.02	0.13	0.99	0.77	0.81	0.11	-	-	205-0B
4165.00	com	bulk	-	2.56	-	1.00	0.78	0.81	0.09	15.48	1.56	206-0B
4170.00	cut	Sh/Clst: gy blk to brn blk	1.21	3.76	0.12	0.94	0.75	0.79	0.13	-	-	132-1L
4190.00	com	bulk	1.32	2.68	0.08	0.89	0.76	0.78	0.12	-	9.58	196-0B
4195.00	cut	Sh/Clst: gy blk to brn blk	1.42	4.35	0.21	0.98	0.77	0.81	0.11	20.14	1.39	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	1.36	3.87	0.13	0.97	0.72	0.76	0.12	20.14	1.39	139-1L
4220.00	cut	Sh/Clst: gy blk to brn blk	1.28	4.18	0.13	0.97	0.74	0.76	0.11	-	-	142-1L

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
4235.00	com	bulk	1.30	2.58	0.10	0.98	0.82	0.83	0.13	-	14.83	197-0B
4275.00	com	bulk	1.27	4.03	0.12	0.95	0.74	0.77	1.00	27.57	2.05	207-0B
4300.00	com	bulk	1.21	3.99	0.12	0.96	0.79	0.81	0.76	18.61	1.69	208-0B
4320.00	com	bulk	1.20	3.99	0.11	0.96	0.77	0.79	0.15	4.08	1.05	209-0B
4360.00	com	bulk	1.09	3.86	0.14	0.98	0.77	0.79	0.08	9.31	1.17	210-0B
4440.00	com	bulk	1.19	4.06	0.11	0.96	0.75	0.80	1.25	33.92	1.89	211-0B

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
1190.00	cut bulk	0.31	4	0.04	4	-	-	011-0B
1390.00	cut bulk	0.39	6	0.05	4	-	-	013-0B
1590.00	cut bulk	0.35	6	0.07	4	-	-	015-0B
1790.00	cut bulk	0.39	21	0.06	4	-	-	017-0B
1990.00	cut bulk	0.37	21	0.04	0	-	-	019-0B
2190.00	cut bulk	0.38	21	0.04	7	-	-	021-0B
2390.00	cut bulk	0.42	20	0.05	4+5	-	-	023-0B
2590.00	cut bulk	0.46	8	0.04	4	-	-	025-0B
2790.00	cut bulk	0.42	1	0.00	4	-	-	027-0B
2990.00	cut bulk	0.50	1	0.00	4	-	-	029-0B
3190.00	cut bulk	NDP	-	-	4	-	-	031-0B
3300.00	cut bulk	0.59	20	0.05	4+5+6+7	-	-	033-0B
3440.00	cut bulk	NDP	-	-	0	-	-	040-0B
3600.00	cut bulk	0.48	11	0.04	0	-	-	048-0B

Table 6 : Thermal Maturity Data for well NOCS 7/11-5

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
3740.00	cut bulk	0.67	1	0.00	5+6	-	-	055-0B
3820.00	cut bulk	0.76	17	0.06	6	-	-	062-0B
3955.00	cut bulk	0.49	7	0.02	4	-	-	089-0B
4025.00	cut bulk	0.69	3	0.04	4	-	-	103-0B
4025.00	cut Sh/Clst: brn blk	-	-	-	-	NDP	434	103-1L
4030.00	cut Sh/Clst: brn blk	-	-	-	-	NDP	439	104-1L
4035.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	438	105-1L
4040.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	439	106-1L
4060.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	6.5 - 7	438	110-1L
4085.00	cut bulk	0.67	8	0.07	0	-	-	115-0B
4105.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	6.5 - 7	439	119-1L
4110.00	cut bulk	0.80	4	0.08	0	-	-	120-0B
4120.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	436	122-1L
4125.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	438	123-1L

Table 6 : Thermal Maturity Data for well NOCS 7/11-5

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
4130.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	8?	435	124-1L
4135.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	7 - 8?	432	125-1L
4160.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	7 - 8?	437	130-1L
4165.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	439	131-1L
4175.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	439	133-1L
4180.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	8?	438	134-1L
4190.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	8?	439	136-1L
4195.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	440	137-1L
4200.00	cut bulk	0.83	13	0.06	0	-	-	138-0B
4210.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	7?	437	140-1L
4215.00	cut bulk	0.82	8	0.10	6	-	-	141-0B
4220.00	cut Sh/Clst: gy blk to brn blk	-	-	-	-	NDP	439	142-1L
4230.00	cut Sh/Clst: ol blk to drk gy	-	-	-	-	NDP	439	144-1L
4235.00	cut Sh/Clst: ol blk to drk gy	-	-	-	-	7 - 8?	440	145-1L

Table 6 : Thermal Maturity Data for well NOCS 7/11-5

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
4310.00	cut	bulk	0.89	1	0.00	0	-	-	160-0B
4400.00	cut	bulk	0.84	6	0.10	6	-	-	178-0B
4425.00	cut	bulk	0.90	13	0.07	0	-	-	183-0B
4478.00	cut	bulk	0.88	2	0.05	0	-	-	194-0B

Table 7 : Visual Kerogen Composition Data for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	L I P T %	A m P r L t	L o D e l l	S p P o l l	C u P i l l	R e s i n e	D i a l f i t	A l g o r i t L	I N E R T %	S F i n s	I F D e t	M i c r o i	S c l e t I	V I T R %	T e l l i n	C o l l i e n	V i d e t V	A r o m a t i c V	B i t u m e n V	Sample
4025.00	cut	Sh/Clst: brn blk	5	**							20	*	**			70			*	*		103-1L
4030.00	cut	Sh/Clst: brn blk	TR	*							10		*			90			*	*		104-1L
4035.00	cut	Sh/Clst: gy blk to brn blk	TR	*							10		*			90			*	*		105-1L
4040.00	cut	Sh/Clst: gy blk to brn blk	TR	*							10		*			90			*	*		106-1L
4060.00	cut	Sh/Clst: gy blk to brn blk	TR	*	*						30	*	*			70			*	*		110-1L
4105.00	cut	Sh/Clst: gy blk to brn blk	TR	*	*						30	*	*			70			*	*		119-1L
4120.00	cut	Sh/Clst: gy blk to brn blk	TR?	?							40	*	*			60			*	*		122-1L
4125.00	cut	Sh/Clst: gy blk to brn blk	TR?	?							40		*			60			*	*		123-1L
4130.00	cut	Sh/Clst: gy blk to brn blk	TR	*	*						30	*	*			70	*		*	*		124-1L
4135.00	cut	Sh/Clst: gy blk to brn blk	TR?	*	*						40		*			60			*	*		125-1L
4160.00	cut	Sh/Clst: gy blk to brn blk	TR?	*	*						40		*			60			*	*		130-1L
4165.00	cut	Sh/Clst: gy blk to brn blk	TR	*							30		*			70			*	*		131-1L
4175.00	cut	Sh/Clst: gy blk to brn blk	TR?	*							25		*			75			*	*		133-1L



Table 7 : Visual Kerogen Composition Data for well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	L I P T %	A m o r L t	L i p D e l	S p / P o l	C u t P i c l	R e s i s t a n c e	D i a g n o s t i c	A l c o h o l	B i t u m e n	I n e r t %	F u s i n s	S e m i f u e r e	M e t a c r y s t a l l i n e	S c l e r o l i t h	V i t r i n e %	T e l l u r i t h	C o l l i d e r i t h	V i t r i n e %	A m o r b i t h	V i t r i n e %	Sample	
4180.00	cut	Sh/Clst: gy blk to brn blk	10	**	*							20		*				70		*	*			134-1L
4190.00	cut	Sh/Clst: gy blk to brn blk	10	**	*							20		*				70		*	*			136-1L
4195.00	cut	Sh/Clst: gy blk to brn blk	TR	*								25		*				75		*	*			137-1L
4210.00	cut	Sh/Clst: gy blk to brn blk	5?	*	*							20	?	*	*			75		*	*			140-1L
4220.00	cut	Sh/Clst: gy blk to brn blk	TR	*								40		*	*			60		*	*			142-1L
4230.00	cut	Sh/Clst: ol blk to drk gy	TR	*								40		*	*			60		*	*			144-1L
4235.00	cut	Sh/Clst: ol blk to drk gy	5	*	*							30		*	*			65		*	*			145-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
4025.00	cut	Sh/Clst: brn blk	4.36	16.79	44.16	34.69	9.45	103-1L
4030.00	cut	Sh/Clst: brn blk	3.80	21.72	39.53	34.95	3.86	104-1L
4035.00	cut	Sh/Clst: gy blk to brn blk	3.84	20.40	45.77	29.98	4.08	105-1L
4040.00	cut	Sh/Clst: gy blk to brn blk	3.88	19.57	41.10	35.45	3.27	106-1L
4055.00	cut	Sh/Clst: gy blk to brn blk	4.13	20.29	37.08	38.49	2.18	109-1L
4060.00	cut	Sh/Clst: gy blk to brn blk	4.18	20.52	43.66	31.65	2.85	110-1L
4070.00	cut	Sh/Clst: gy blk to brn blk	4.81	22.13	41.28	31.78	1.52	112-1L
4095.00	cut	Sh/Clst: gy blk to brn blk	4.09	20.95	39.54	35.42	1.96	117-1L
4100.00	cut	Sh/Clst: gy blk to brn blk	4.08	19.85	42.10	33.98	1.87	118-1L
4105.00	cut	Sh/Clst: gy blk to brn blk	3.99	19.60	40.40	36.02	2.54	119-1L
4120.00	cut	Sh/Clst: gy blk to brn blk	3.33	18.39	35.75	42.53	3.16	122-1L
4125.00	cut	Sh/Clst: gy blk to brn blk	3.17	13.51	41.84	41.48	3.72	123-1L
4130.00	cut	Sh/Clst: gy blk to brn blk	3.43	17.73	37.09	41.75	3.63	124-1L
4135.00	cut	Sh/Clst: gy blk to brn blk	2.94	17.60	39.52	39.94	3.91	125-1L
4140.00	cut	Sh/Clst: gy blk to brn blk	3.63	18.47	38.24	39.66	2.41	126-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
4165.00	cut	Sh/Clst: gy blk to brn blk	3.86	18.29	42.09	35.76	2.42	131-1L
4170.00	cut	Sh/Clst: gy blk to brn blk	3.60	18.24	38.01	40.15	2.09	132-1L
4175.00	cut	Sh/Clst: gy blk to brn blk	3.30	16.07	35.71	44.93	2.52	133-1L
4180.00	cut	Sh/Clst: gy blk to brn blk	3.23	18.70	40.96	37.11	3.45	134-1L
4190.00	cut	Sh/Clst: gy blk to brn blk	3.32	19.35	43.78	33.55	2.69	136-1L
4195.00	cut	Sh/Clst: gy blk to brn blk	4.18	21.44	39.69	34.69	2.17	137-1L
4205.00	cut	Sh/Clst: gy blk to brn blk	4.09	19.43	40.29	36.19	2.05	139-1L
4210.00	cut	Sh/Clst: gy blk to brn blk	2.88	14.84	38.25	44.03	2.21	140-1L
4215.00	cut	Sh/Clst: gy blk to brn blk	3.80	18.31	38.47	39.42	1.99	141-1L
4220.00	cut	Sh/Clst: gy blk to brn blk	3.94	19.38	39.77	36.91	2.43	142-1L
4225.00	cut	Sh/Clst: ol blk to drk gy	3.80	18.80	43.79	33.61	2.72	143-1L
4235.00	cut	Sh/Clst: ol blk to drk gy	4.33	23.82	47.69	24.16	2.36	145-1L
4250.00	cut	Sh/Clst: ol blk to drk gy	4.03	17.83	39.30	38.84	1.76	148-1L
4270.00	cut	Sh/Clst: gy blk to ol blk	4.76	21.49	42.20	31.55	1.77	152-1L
4285.00	cut	Sh/Clst: gy blk to ol blk	4.54	22.77	43.96	28.73	1.85	155-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 7/11-5

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
4300.00	cut	Sh/Clst: gy blk to ol blk	4.00	17.27	37.15	41.58	2.42	158-1L
4310.00	cut	Sh/Clst: gy blk to ol blk	3.56	16.51	37.38	42.55	1.89	160-1L
4320.00	cut	Sh/Clst: gy blk to ol blk	3.97	17.79	37.85	40.39	1.48	162-1L
4330.00	cut	Sh/Clst: gy blk to ol blk	4.15	17.29	38.07	40.49	2.30	164-1L
4340.00	cut	Sh/Clst: gy blk to ol blk	3.81	17.80	39.35	39.04	1.85	166-1L
4400.00	cut	Sh/Clst: gy blk to ol blk	5.34	21.75	45.00	27.91	0.91	178-1L
4440.00	cut	Sh/Clst: gy blk to ol blk	4.09	17.67	40.52	37.72	1.20	186-1L

Table 9: Variation in Triterpane Distribution for Well NOCS 7/11-5

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%		
4040.00	Sh/Clst	0.67	0.40	0.37		0.72	0.42	0.60	-	-	-	0.53	1.00	0.42	-	-		195-0
4060.00	Sh/Clst	0.90	0.47	1.00		-	1.00	-	-	-	-	-	-	1.00	-	-		198-0
4090.00	Sh/Clst	1.15	0.53	0.51		0.89	0.47	0.82	-	-	-	1.69	1.00	0.52	0.11	54.84		200-0
4135.00	Sh/Clst	1.67	0.63	0.62		0.93	0.48	1.02	-	-	-	0.98	1.00	0.48	-	-		204-0
4320.00	Sh/Clst	0.95	0.49	0.58		0.76	0.43	1.19	-	-	-	0.66	1.00	0.61	0.46	-		209-0

Table 10: Variation in Sterane Distribution for Well NOCS 7/11-5

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>Ratio6</u>	<u>Ratio7</u>	<u>Sample</u>
4040.00	Sh/Clst	0.73	56.70	66.44	1.18	0.64	0.42	0.24	195-0
4060.00	Sh/Clst	0.70	46.67	70.20	1.20	0.72	0.48	0.30	198-0
4090.00	Sh/Clst	0.72	58.90	68.80	1.13	0.65	0.48	0.38	200-0
4135.00	Sh/Clst	0.68	62.00	69.14	1.06	0.64	0.36	0.25	204-0
4320.00	Sh/Clst	0.71	60.00	74.86	1.13	0.71	0.39	0.25	209-0

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 11: Aromatisation of Steranes for Well NOCS 7/11-5

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
4040.00	Sh/Clst	0.54	0.67	195-0
4060.00	Sh/Clst	0.60	0.64	198-0
4090.00	Sh/Clst	0.78	0.43	200-0
4135.00	Sh/Clst	0.69	0.62	204-0
4320.00	Sh/Clst	0.66	0.61	209-0

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

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

Table 12: Variation in Triaromatic Sterane Distribution for Well NOCS 7/11-5

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>
4040.00	Sh/Clst	0.93	0.89	0.79	0.82	0.89	195-0
4060.00	Sh/Clst	0.93	0.90	0.79	0.80	0.89	198-0
4090.00	Sh/Clst	0.94	0.91	0.79	0.83	0.88	200-0
4135.00	Sh/Clst	0.93	0.90	0.74	0.77	0.85	204-0
4320.00	Sh/Clst	0.95	0.93	0.81	0.85	0.90	209-0

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 13: Variation in Monoaromatic Sterane Distribution for Well NOCS 7/11-5

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>
4040.00	Sh/Clst	0.49	0.07	0.34	0.17	195-0
4060.00	Sh/Clst	0.42	0.21	0.32	0.17	198-0
4090.00	Sh/Clst	0.20	0.13	0.16	0.07	200-0
4135.00	Sh/Clst	0.20	0.17	0.16	0.10	204-0
4320.00	Sh/Clst	0.29	0.19	0.23	0.14	209-0

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