

PRE-CRETACEOUS HYDROCARBON POTENTIAL
OF THE NORWEGIAN CENTRAL GRABEN

GEOCHEMICAL ANALYSIS

Well NOCS 2/5-6

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Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
270.00				001
		40 S/Sst : lt gy, l		001-1L
		30 Sh/Clst: ol gy to m gy		001-2L
		30 Other : fos		001-3L
420.00				002
		50 Other : fos		002-3L
		30 Sh/Clst: ol gy to m gy		002-2L
		20 S/Sst : lt gy, l		002-1L
570.00				003
		100 Cont : cem		003-1L
720.00				004
		100 Cont : cem		004-1L
870.00				005
		80 Sh/Clst: ol gy to m gy, calc		005-1L
		20 Cont : cem		005-2L
1020.00				006
		80 Sh/Clst: ol gy, slt		006-1L
		10 Cont : cem		006-2L
		10 Other : fos		006-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%		
% Lithology description			
1170.00			007
	100 Sh/Clst:		007-1L
	ol gy, slt		
1320.00			008
	100 Sh/Clst:		008-1L
	ol gy, slt		008-2L
	tr Other : fos		
1470.00			009
	100 Sh/Clst:		009-1L
	ol gy, slt		
1620.00			010
	100 Sh/Clst:		010-1L
	ol gy, slt		010-2L
	tr Ca : lt gy to lt ol gy		
1770.00			011
	100 Sh/Clst:		011-1L
	drk y brn, dsk y brn		
1920.00			012
	100 Sh/Clst:		012-1L
	drk y brn, dsk y brn		012-2L
	tr Ca : w		
2070.00			013
	100 Sh/Clst:		013-1L
	drk y brn to dsk y brn		013-2L
	tr Ca : dsk y brn		

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%	%	Lithology description
2220.00			014
		100 Sh/Clst:	ol gy to dsk y brn
		tr Ca	: drk y brn
			014-1L
			014-2L
2375.00			015
		100 Sh/Clst:	ol gy to dsk y brn
		tr Ca	: drk y brn
			015-1L
			015-2L
2520.00			016
		100 Sh/Clst:	ol gy, slt
		tr Ca	: drk y brn
			016-1L
			016-2L
2670.00			017
		100 Sh/Clst:	gn gy to ol gy, slt
			017-1L
2820.00			018
		90 Sh/Clst:	ol gy, slt
		5 Ca	: w, drk y brn
		5 Tuff	: lt gy
			018-1L
			018-2L
			018-3L
2970.00			019
		70 Sh/Clst:	gn gy, ol gy, drk y brn, dsk y
			brn
		20 Sh/Clst:	gy red, red brn
		10 S/Sst	: lt gy, calc, glauc, f, cem
			019-1L
			019-2L
			019-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3120.00				020
cvd		50 Sh/Clst: gn gy, ol gy, drk y brn, dsk y brn		020-1L
cvd		40 Ca : w, chk		020-4L
cvd		10 Sh/Clst: gy red, red brn		020-2L
cvd		tr S/Sst : lt gy, calc, glauc, f, cem		020-3L
3270.00				021
cvd		90 Ca : w, chk		021-3L
cvd		10 Sh/Clst: gn gy, ol gy, drk y brn, dsk y brn		021-1L
cvd		tr Sh/Clst: gy red, red brn		021-2L
3410.00				022
cvd		60 Ca : w, chk		022-3L
cvd		40 Sh/Clst: gn gy, ol gy, dsk y brn		022-1L
cvd		tr Sh/Clst: gy red, red brn		022-2L
3420.00				023
cvd		75 Ca : w, chk		023-2L
cvd		25 Sh/Clst: gn gy, ol gy, dsk y brn		023-1L
3430.00				024
cvd		75 Ca : w, chk		024-2L
cvd		25 Sh/Clst: gn gy, ol gy, dsk y brn		024-1L
3440.00				025
cvd		75 Ca : w, chk		025-2L
cvd		25 Sh/Clst: gn gy, ol gy, dsk y brn		025-1L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC% %		
Lithology description			
3445.00			026
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		026-2L 026-1L
3450.00			027
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		027-2L 027-1L
3455.00			028
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		028-2L 028-1L
3460.00			029
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		029-2L 029-1L
3465.00			030
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		030-2L 030-1L
3470.00			031
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		031-2L 031-1L
3475.00			032
cvd	75 Ca : w, chk 25 Sh/Clst: gn gy, ol gy, dsk y brn		032-2L 032-1L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type	Trb	Sample
Int Cvd	TOC%		

	%	Lithology description	

3480.00			033
	90	Sh/Clst: gn gy, ol gy, dsk y brn	033-1L
	10	Ca : w, chk	033-2L
3485.00			034
	75	Sh/Clst: gn gy, ol gy, dsk y brn	034-1L
	25	Ca : w, chk	034-2L
3490.00			035
	50	Sh/Clst: gn gy, ol gy, dsk y brn	035-1L
	50	Ca : w, chk	035-2L
3495.00			036
	60	Ca : w, chk	036-2L
	30	Sh/Clst: gn gy, ol gy, dsk y brn	036-1L
	10	Sh/Clst: gy red	036-3L
3500.00			037
	60	Ca : w, chk	037-2L
	30	Sh/Clst: gn gy, ol gy, dsk y brn	037-1L
	10	Sh/Clst: gy red	037-3L
3505.00			038
	75	Ca : w, chk	038-2L
	25	Sh/Clst: gn gy, ol gy, dsk y brn	038-1L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3510.00				039
		55 Ca : w, chk		039-2L
		40 Sh/Clst: gn gy, ol gy, dsk y brn		039-1L
		5 Cont : Coal-ad		039-3L
3515.00				040
		60 Ca : w, chk		040-2L
		35 Sh/Clst: gn gy, ol gy, dsk y brn		040-1L
		5 Cont : Coal-ad		040-3L
3520.00				041
		60 Ca : w, chk		041-2L
		35 Sh/Clst: gn gy, ol gy, dsk y brn		041-1L
		5 Cont : Coal-ad		041-3L
3525.00				042
		75 Ca : w to lt y gy, chk		042-2L
		25 Sh/Clst: gn gy, ol gy, dsk y brn		042-1L
3530.00				043
		60 Sh/Clst: gn gy, ol gy, dsk y brn		043-1L
		35 Ca : w, chk		043-2L
		5 Cont : Coal-ad		043-3L
3535.00				044
		75 Sh/Clst: gn gy, ol gy, dsk y brn		044-1L
		25 Ca : w, chk		044-2L
		tr Cont : Coal-ad		044-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3540.00				045
		75 Sh/Clst: gn gy, ol gy, dsk y brn		045-1L
		25 Ca : w, chk		045-2L
		tr Cont : Coal-ad		045-3L
3545.00				046
		70 Sh/Clst: gn gy, ol gy, dsk y brn		046-1L
		25 Ca : w, chk		046-2L
		5 Sh/Clst: gy red		046-3L
3550.00				047
		70 Sh/Clst: gn gy, ol gy, dsk y brn		047-1L
		25 Ca : w to lt y gy, chk		047-2L
		5 Sh/Clst: gy red		047-3L
3555.00				048
		70 Sh/Clst: gn gy, ol gy, dsk y brn		048-1L
		25 Ca : w, chk		048-2L
		5 Sh/Clst: gy red		048-3L
3560.00				049
	1.39	75 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		049-1L
		25 Ca : w, chk		049-2L
		tr Ca : drk y brn to dsk y brn		049-3L
		tr Sh/Clst: gy red		049-4L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3565.00				050
	1.44	75 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		050-1L
		25 Ca : w, chk		050-2L
		tr Ca : drk y brn to dsk y brn		050-3L
		tr Sh/Clst: gy red		050-4L
3570.00				051
	3.16	90 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		051-1L
		10 Ca : w, chk		051-2L
3575.00				052
	1.92	70 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		052-1L
		20 Ca : w, chk		052-2L
		10 Sh/Clst: gy red		052-3L
		tr Ca : drk y brn to dsk y brn		052-4L
3580.00				053
	1.46	70 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		053-1L
		20 Ca : w, chk		053-2L
		10 Sh/Clst: gy red		053-3L
		tr Ca : drk y brn to dsk y brn		053-4L
3585.00				054
	1.42	80 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn		054-1L
		10 Ca : w, chk		054-2L
		10 Sh/Clst: gy red		054-3L

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Depth unit of measure: m

Depth	Type		Trb	Sample	
Int	Cvd	TOC%	%	Lithology description	
3590.00					055
		1.10	60	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	055-1L
			20	Ca : w, chk	055-2L
			10	Sh/Clst: gy red	055-3L
			5	Sh/Clst: gy blk to drk gy	055-4L
			5	Cont : Coal-ad	055-5L
3595.00					056
		1.28	60	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	056-1L
			20	Ca : w, chk	056-2L
			10	Sh/Clst: gy red	056-3L
			5	Sh/Clst: gy blk to drk gy	056-4L
			5	Cont : Coal-ad	056-5L
3605.00					058
	cvd		50	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	058-1L
		3.47	30	Sh/Clst: gy blk to drk gy	058-4L
	cvd		15	Ca : w, chk	058-2L
	cvd		5	Sh/Clst: gy red	058-3L
			tr	Cont : Coal-ad	058-5L
3610.00					059
		3.07	50	Sh/Clst: gy blk to ol blk	059-4L
	cvd		35	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	059-1L
	cvd		15	Ca : w, chk	059-2L
	cvd		tr	Sh/Clst: gy red	059-3L

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Depth unit of measure: m

Depth	Type	Trb	Sample
Int	Cvd	TOC%	% Lithology description
3615.00			060
	cvd	3.51	80 Sh/Clst: gy blk to ol blk 15 Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn
	cvd		5 Ca : w, chk
			060-3L 060-1L 060-2L
3620.00			061
	cvd	3.74	80 Sh/Clst: gy blk to ol blk
	cvd		10 Sh/Clst: gn gy, ol gy, m gy, dsk y brn
			10 Ca : w, chk
			tr Ca : drk y brn
			061-3L 061-1L 061-2L 061-4L
3625.00			062
	cvd	3.51	90 Sh/Clst: gy blk to ol blk
	cvd		5 Sh/Clst: gn gy, ol gy, m gy, dsk y brn
			5 Ca : w, chk
			tr Ca : drk y brn
			062-3L 062-1L 062-2L 062-4L
3630.00			063
	cvd	4.39	90 Sh/Clst: gy blk to ol blk
	cvd		5 Sh/Clst: gn gy, ol gy, m gy, dsk y brn
			5 Ca : w, chk
			tr Ca : drk y brn
			063-3L 063-1L 063-2L 063-4L
3635.00			064
	cvd	5.01	80 Sh/Clst: gy blk to ol blk
	cvd		10 Cont : prp, tar-ad
			5 Sh/Clst: gn gy, ol gy, m gy, dsk y brn
			5 Ca : w, chk
			064-3L 064-4L 064-1L 064-2L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Lithology description	Trb	Sample
Int	Cvd	TOC%	%		
3640.00					065
	cvd		45 Sh/Clst: gn gy, ol gy, m gy, dsk y brn		065-1L
		4.49	30 Sh/Clst: gy blk to ol blk		065-3L
	cvd		15 Ca : w, chk		065-2L
	cvd		10 Sh/Clst: gy red, prp, tar-ad		065-4L
3642.00					066
	cvd	4.59	100 Sh/Clst: gy blk to ol blk		066-3L
	cvd		tr Sh/Clst: gn gy, ol gy, m gy, dsk y brn		066-1L
			tr Ca : w, chk		066-2L
3648.00					067
		4.44	100 Sh/Clst: gy blk to ol blk		067-1L
3654.00					068
		3.80	100 Sh/Clst: gy blk to ol blk		068-1L
3660.00					069
		3.94	100 Sh/Clst: gy blk to ol blk		069-1L
3666.00					070
		4.15	100 Sh/Clst: gy blk to ol blk		070-1L
3672.00					071
		3.22	100 Sh/Clst: gy blk to ol blk		071-1L

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Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3678.00				072
	3.49	100 Sh/Clst: gy blk to ol blk		072-1L
3684.00				073
	3.55	100 Sh/Clst: gy blk to ol blk		073-1L
3690.00				074
	3.56	100 Sh/Clst: gy blk to ol blk tr Sltst : brn gy		074-1L 074-2L
3696.00				075
	3.29	100 Sh/Clst: gy blk to ol blk tr Sltst : brn gy		075-1L 075-2L
3702.00				076
	3.41	100 Sh/Clst: gy blk to ol blk tr Sltst : brn gy		076-1L 076-2L
3708.00				077
	3.62	100 Sh/Clst: gy blk to ol blk tr Sltst : brn gy		077-1L 077-2L
3714.00				078
	3.80	100 Sh/Clst: gy blk to ol blk tr Sltst : brn gy		078-1L 078-2L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3720.00				079
	4.05	95 Sh/Clst: gy blk to ol blk 5 Sltst : brn gy		079-1L 079-2L
3728.00				080
	3.94	95 Sh/Clst: gy blk to ol blk 5 Sltst : brn gy tr Cont : Coal-ad		080-1L 080-2L 080-3L
3732.00				081
	3.71	90 Sh/Clst: gy blk to ol blk 10 Sltst : brn gy tr Cont : Coal-ad		081-1L 081-2L 081-3L
3738.00				082
	3.55	95 Sh/Clst: gy blk to ol blk 5 Sltst : brn gy tr Cont : Coal-ad		082-1L 082-2L 082-3L
3744.00				083
	2.53	100 Sh/Clst: ol blk to drk gy tr Sltst : brn gy tr Cont : Coal-ad		083-1L 083-2L 083-3L
3750.00				084
	2.81	95 Sh/Clst: ol blk to drk gy 5 Sltst : brn gy tr Cont : Coal-ad		084-1L 084-2L 084-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3756.00				085
	2.74	90 Sh/Clst: ol blk to drk gy		085-1L
		5 Cont : Coal-ad		085-3L
		5 Ca : w to lt gy		085-4L
		tr Sltst : brn gy		085-2L
3762.00				086
	2.05	95 Sh/Clst: drk gy to dsk y brn		086-1L
		5 Cont : Coal-ad		086-3L
		tr Sltst : brn gy		086-2L
		tr Ca : w to lt gy		086-4L
3768.00				087
	2.40	75 Sh/Clst: drk gy to dsk y brn		087-1L
		20 Cont : Coal-ad		087-3L
		5 Sltst : brn gy		087-2L
		tr Ca : w to lt gy		087-4L
3774.00				088
	2.14	100 Sh/Clst: drk gy to dsk y brn		088-1L
		tr Sltst : brn gy		088-2L
		tr Cont : Coal-ad		088-3L
		tr Ca : w to lt gy		088-4L
3780.00				089
	2.17	90 Sh/Clst: drk gy to dsk y brn		089-1L
		5 Sltst : brn gy		089-2L
		5 Ca : w to lt gy		089-4L
		tr Cont : Coal-ad		089-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3786.00				090
	1.84	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : w to lt gy		090-1L 090-2L 090-3L 090-4L
3792.00				091
	2.34	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : w to lt gy		091-1L 091-2L 091-3L 091-4L
3798.00				092
	2.35	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : w to lt gy		092-1L 092-2L 092-3L 092-4L
3804.00				093
	2.10	90 Sh/Clst: drk gy to dsk y brn 10 Sltst : brn gy tr Cont : Coal-ad tr Ca : w to lt gy		093-1L 093-2L 093-3L 093-4L
3810.00				094
	2.35	95 Sh/Clst: drk gy to dsk y brn 5 Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		094-1L 094-2L 094-3L 094-4L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3818.00				095
	2.70	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		095-1L 095-2L 095-3L 095-4L
3822.00				096
	2.46	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		096-1L 096-2L 096-3L 096-4L
3828.00				097
	2.30	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		097-1L 097-2L 097-3L 097-4L
3832.00				098
	2.97	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		098-1L 098-2L 098-3L 098-4L
3840.00				099
	2.97	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Cont : Coal-ad tr Ca : drk y brn to dsk y brn, dol		099-1L 099-2L 099-3L 099-4L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3844.00				100
	3.23	90 Sh/Clst: drk gy to dsk y brn 10 Sltst : brn gy		100-1L 100-2L
3848.00				101
	2.99	90 Sh/Clst: drk gy to dsk y brn 10 Sltst : brn gy tr Ca : w to drk y brn		101-1L 101-2L 101-3L
3852.00				102
	3.89	95 Sh/Clst: drk gy to dsk y brn 5 Sltst : brn gy tr Ca : w to drk y brn		102-1L 102-2L 102-3L
3856.00				103
	3.65	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Ca : w to drk y brn		103-1L 103-2L 103-3L
3860.00				104
	3.59	80 Sh/Clst: drk gy to dsk y brn 15 Sltst : brn gy 5 Ca : w to drk y brn tr Cont : Coal-ad		104-1L 104-2L 104-3L 104-4L
3868.00				105
	3.26	80 Sh/Clst: drk gy to dsk y brn 20 Sltst : brn gy tr Ca : w to drk y brn tr Cont : Coal-ad		105-1L 105-2L 105-3L 105-4L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	% Lithology description		
3872.00				106
	3.28	80 Sh/Clst: drk gy to dsk y brn 20 Sltst : brn gy tr Ca : w to drk y brn tr Cont : Coal-ad		106-1L 106-2L 106-3L 106-4L
3876.00				107
	3.33	70 Sh/Clst: drk gy to dsk y brn 30 Sltst : brn gy tr Ca : w to drk y brn		107-1L 107-2L 107-3L
3880.00				108
	3.23	70 Sh/Clst: drk gy to dsk y brn 30 Sltst : brn gy tr Ca : w to drk y brn		108-1L 108-2L 108-3L
3888.00				109
	3.79	70 Sh/Clst: drk gy to dsk y brn 30 Sltst : brn gy tr Ca : w to drk y brn		109-1L 109-2L 109-3L
3892.00				110
	2.46	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Ca : w to drk y brn		110-1L 110-2L 110-3L
3896.00				111
	2.68	100 Sh/Clst: drk gy to dsk y brn tr Sltst : brn gy tr Ca : w to drk y brn		111-1L 111-2L 111-3L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample		
Int	Cvd	TOC%	%	Lithology description		
3900.00						112
		2.42	80	Sh/Clst: drk gy to dsk y brn		112-1L
			20	Sltst : brn gy		112-2L
			tr	Ca : w to drk y brn		112-3L
3912.00						113
		1.90	65	Sh/Clst: drk gy to dsk y brn		113-1L
			30	Sltst : brn gy		113-2L
			5	S/Sst : lt gy, f, cem		113-3L
3918.00						114
	cvd		90	Sh/Clst: drk gy to dsk y brn		114-1L
	cvd		5	Ca : w		114-2L
			5	Cont : Coal-ad		114-3L
			tr	S/Sst : w to lt gy, f		114-4L
3924.00						115
	cvd		50	Sh/Clst: drk gy to dsk y brn		115-1L
			40	Cont : Coal-ad		115-3L
	cvd		10	Ca : w		115-2L
			tr	S/Sst : w to lt gy, f		115-4L
3930.00						116
	cvd		80	Sh/Clst: drk gy to dsk y brn		116-1L
	cvd		10	Ca : w		116-2L
			10	Cont : Coal-ad		116-3L
			tr	S/Sst : w to lt gy, f		116-4L

Table 1 : Lithology description for well NOCS 2/5-6

Depth unit of measure: m

Depth	Type		Trb	Sample
Int Cvd	TOC%	%		
Lithology description				
3938.00				117
cvd		80 Sh/Clst:		117-1L
cvd		10 Sltst :		117-5L
cvd		5 Ca :		117-2L
		5 Cont :		117-3L
		tr S/Sst :		117-4L
3944.00				118
cvd		60 Sh/Clst:		118-1L
		35 S/Sst :		118-4L
		5 Cont :		118-3L
cvd		tr Ca :		118-2L

Table 2 : Rock-Eval table for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3580.00	cut	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	2.01	1.72	0.24	7.17	1.46	118	16	3.7	0.54	428	053-1L
3590.00	cut	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	1.67	1.11	0.18	6.17	1.10	101	16	2.8	0.60	425	055-1L
3600.00	cut	Sh/Clst: gy blk to drk gy	4.75	8.27	0.30	27.57	3.47	238	9	13.0	0.36	434	057-4L
3605.00	cut	Sh/Clst: gy blk to drk gy	5.15	8.46	0.26	32.54	3.47	244	7	13.6	0.38	436	058-4L
3610.00	cut	Sh/Clst: gy blk to ol blk	3.73	6.59	0.31	21.26	3.07	215	10	10.3	0.36	437	059-4L
3615.00	cut	Sh/Clst: gy blk to ol blk	4.01	8.10	0.34	23.82	3.51	231	10	12.1	0.33	436	060-3L
3620.00	cut	Sh/Clst: gy blk to ol blk	4.19	8.07	0.39	20.69	3.74	216	10	12.3	0.34	434	061-3L
3625.00	cut	Sh/Clst: gy blk to ol blk	3.91	8.32	0.30	27.73	3.51	237	9	12.2	0.32	438	062-3L
3630.00	cut	Sh/Clst: gy blk to ol blk	4.65	11.08	0.43	25.77	4.39	252	10	15.7	0.30	435	063-3L
3635.00	cut	Sh/Clst: gy blk to ol blk	6.73	11.94	0.46	25.96	5.01	238	9	18.7	0.36	436	064-3L
3640.00	cut	Sh/Clst: gy blk to ol blk	7.30	10.01	0.41	24.41	4.49	223	9	17.3	0.42	437	065-3L
3642.00	cut	Sh/Clst: gy blk to ol blk	6.76	11.72	0.39	30.05	4.59	255	8	18.5	0.37	437	066-3L
3648.00	cut	Sh/Clst: gy blk to ol blk	5.40	10.11	0.43	23.51	4.44	228	10	15.5	0.35	436	067-1L
3654.00	cut	Sh/Clst: gy blk to ol blk	4.35	8.29	0.42	19.74	3.80	218	11	12.6	0.34	435	068-1L

Table 2 : Rock-Eval table for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3660.00	cut	Sh/Clst: gy blk to ol blk	3.73	8.54	0.41	20.83	3.94	217	10	12.3	0.30	435	069-1L
3666.00	cut	Sh/Clst: gy blk to ol blk	5.74	9.40	0.44	21.36	4.15	227	11	15.1	0.38	438	070-1L
3672.00	cut	Sh/Clst: gy blk to ol blk	4.16	6.42	0.39	16.46	3.22	199	12	10.6	0.39	436	071-1L
3678.00	cut	Sh/Clst: gy blk to ol blk	6.30	6.27	0.44	14.25	3.49	180	13	12.6	0.50	438	072-1L
3684.00	cut	Sh/Clst: gy blk to ol blk	4.45	8.25	0.39	21.15	3.55	232	11	12.7	0.35	436	073-1L
3690.00	cut	Sh/Clst: gy blk to ol blk	6.53	7.81	0.40	19.52	3.56	219	11	14.3	0.46	435	074-1L
3696.00	cut	Sh/Clst: gy blk to ol blk	5.64	6.98	0.36	19.39	3.29	212	11	12.6	0.45	435	075-1L
3702.00	cut	Sh/Clst: gy blk to ol blk	5.41	7.08	0.37	19.14	3.41	208	11	12.5	0.43	437	076-1L
3708.00	cut	Sh/Clst: gy blk to ol blk	6.71	6.56	0.58	11.31	3.62	181	16	13.3	0.51	433	077-1L
3714.00	cut	Sh/Clst: gy blk to ol blk	7.17	6.48	0.74	8.76	3.80	171	19	13.7	0.53	435	078-1L
3720.00	cut	Sh/Clst: gy blk to ol blk	7.04	7.41	0.76	9.75	4.05	183	19	14.4	0.49	433	079-1L
3728.00	cut	Sh/Clst: gy blk to ol blk	6.97	8.73	0.38	22.97	3.94	222	10	15.7	0.44	435	080-1L
3732.00	cut	Sh/Clst: gy blk to ol blk	6.81	8.06	0.39	20.67	3.71	217	11	14.9	0.46	437	081-1L
3738.00	cut	Sh/Clst: gy blk to ol blk	5.55	7.57	0.42	18.02	3.55	213	12	13.1	0.42	438	082-1L
3744.00	cut	Sh/Clst: ol blk to drk gy	4.32	4.39	0.32	13.72	2.53	174	13	8.7	0.50	435	083-1L

Table 2 : Rock-Eval table for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3750.00	cut	Sh/Clst: ol blk to drk gy	5.78	4.87	0.25	19.48	2.81	173	9	10.7	0.54	432	084-1L
3756.00	cut	Sh/Clst: ol blk to drk gy	5.65	5.05	0.31	16.29	2.74	184	11	10.7	0.53	434	085-1L
3762.00	cut	Sh/Clst: drk gy to dsk y brn	4.05	2.91	0.46	6.33	2.05	142	22	7.0	0.58	434	086-1L
3768.00	cut	Sh/Clst: drk gy to dsk y brn	5.16	3.84	0.42	9.14	2.40	160	18	9.0	0.57	431	087-1L
3774.00	cut	Sh/Clst: drk gy to dsk y brn	4.48	3.21	0.45	7.13	2.14	150	21	7.7	0.58	431	088-1L
3780.00	cut	Sh/Clst: drk gy to dsk y brn	4.47	3.14	0.41	7.66	2.17	145	19	7.6	0.59	432	089-1L
3786.00	cut	Sh/Clst: drk gy to dsk y brn	4.05	2.66	0.43	6.19	1.84	145	23	6.7	0.60	434	090-1L
3792.00	cut	Sh/Clst: drk gy to dsk y brn	5.31	3.95	0.45	8.78	2.34	169	19	9.3	0.57	433	091-1L
3798.00	cut	Sh/Clst: drk gy to dsk y brn	5.35	4.00	0.39	10.26	2.35	170	17	9.4	0.57	433	092-1L
3804.00	cut	Sh/Clst: drk gy to dsk y brn	5.17	3.43	0.40	8.57	2.10	163	19	8.6	0.60	435	093-1L
3810.00	cut	Sh/Clst: drk gy to dsk y brn	5.54	3.98	0.47	8.47	2.35	169	20	9.5	0.58	434	094-1L
3818.00	cut	Sh/Clst: drk gy to dsk y brn	5.03	4.44	0.58	7.66	2.70	164	21	9.5	0.53	433	095-1L
3822.00	cut	Sh/Clst: drk gy to dsk y brn	4.85	4.33	0.37	11.70	2.46	176	15	9.2	0.53	436	096-1L
3828.00	cut	Sh/Clst: drk gy to dsk y brn	4.83	3.64	0.46	7.91	2.30	158	20	8.5	0.57	434	097-1L
3832.00	cut	Sh/Clst: drk gy to dsk y brn	5.62	5.56	0.39	14.26	2.97	187	13	11.2	0.50	435	098-1L

Table 2 : Rock-Eval table for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	S1	S2	S3	S2/S3	TOC	HI	OI	PP	PI	Tmax	Sample
3840.00	cut	Sh/Clst: drk gy to dsk y brn	5.36	5.67	0.33	17.18	2.97	191	11	11.0	0.49	434	099-1L
3844.00	cut	Sh/Clst: drk gy to dsk y brn	5.92	5.66	0.40	14.15	3.23	175	12	11.6	0.51	435	100-1L
3848.00	cut	Sh/Clst: drk gy to dsk y brn	5.61	4.96	0.44	11.27	2.99	166	15	10.6	0.53	435	101-1L
3852.00	cut	Sh/Clst: drk gy to dsk y brn	6.40	6.69	0.53	12.62	3.89	172	14	13.1	0.49	434	102-1L
3856.00	cut	Sh/Clst: drk gy to dsk y brn	6.32	5.98	0.57	10.49	3.65	164	16	12.3	0.51	432	103-1L
3860.00	cut	Sh/Clst: drk gy to dsk y brn	6.45	6.45	0.48	13.44	3.59	180	13	12.9	0.50	432	104-1L
3868.00	cut	Sh/Clst: drk gy to dsk y brn	6.45	5.61	0.53	10.58	3.26	172	16	12.1	0.53	438	105-1L
3872.00	cut	Sh/Clst: drk gy to dsk y brn	5.56	5.15	0.50	10.30	3.28	157	15	10.7	0.52	438	106-1L
3876.00	cut	Sh/Clst: drk gy to dsk y brn	6.07	6.36	0.38	16.74	3.33	191	11	12.4	0.49	434	107-1L
3880.00	cut	Sh/Clst: drk gy to dsk y brn	5.64	6.20	0.37	16.76	3.23	192	11	11.8	0.48	433	108-1L
3888.00	cut	Sh/Clst: drk gy to dsk y brn	7.30	8.75	0.42	20.83	3.56	246	12	16.1	0.45	429	109-1L
3892.00	cut	Sh/Clst: drk gy to dsk y brn	3.74	2.17	0.21	10.33	0.60	362	35	5.9	0.63	373	110-1L
3896.00	cut	Sh/Clst: drk gy to dsk y brn	3.79	4.93	0.44	11.20	2.68	184	16	8.7	0.43	432	111-1L
3900.00	cut	Sh/Clst: drk gy to dsk y brn	5.92	4.11	0.43	9.56	2.42	170	18	10.0	0.59	431	112-1L
3912.00	cut	Sltst : brn gy	4.07	2.11	1.05	2.01	1.90	111	55	6.2	0.66	427	113-2L

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
3625.00	com	Composite sample - see table 3 e	12.3	90.8	23.6	7.1	3.0	57.1	30.7	60.1	3.10	130-0B
3660.00	com	Composite sample - see table 3 e	10.6	109.2	24.6	11.2	3.4	70.0	35.8	73.4	4.00	131-0B
3702.00	com	Composite sample - see table 3 e	10.5	102.2	25.7	7.3	2.2	67.0	33.0	69.2	3.30	132-0B
3738.00	com	Composite sample - see table 3 e	10.2	113.3	36.4	9.8	1.6	65.5	46.2	67.1	3.40	133-0B
3756.00	com	Composite sample - see table 3 e	10.6	100.9	29.3	9.2	1.5	60.9	38.5	62.4	2.60	134-0B
3810.00	com	Composite sample - see table 3 e	10.3	82.0	17.9	1.7	1.3	61.1	19.6	62.4	1.94	135-0B
3848.00	com	Composite sample - see table 3 e	10.3	95.9	16.4	7.6	1.7	70.2	24.0	71.9	2.50	136-0B
3876.00	com	Composite sample - see table 3 e	10.7	113.3	38.4	9.2	1.5	64.2	47.6	65.7	3.14	128-0B
3900.00	com	Composite sample - see table 3 e	9.2	95.0	32.6	11.3	1.0	50.1	43.9	51.1	2.78	129-0B

Table 3 b: Concentration of EOM and Chromatographic Fraction (wt ppm rock) for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3625.00	com	Composite sample - see table 3 e	7382	1918	577	243	4642	2495	4886	130-0B
3660.00	com	Composite sample - see table 3 e	10301	2320	1056	320	6603	3377	6924	131-0B
3702.00	com	Composite sample - see table 3 e	9733	2447	695	209	6380	3142	6590	132-0B
3738.00	com	Composite sample - see table 3 e	11107	3568	960	156	6421	4529	6578	133-0B
3756.00	com	Composite sample - see table 3 e	9518	2764	867	141	5745	3632	5886	134-0B
3810.00	com	Composite sample - see table 3 e	7961	1737	165	126	5932	1902	6058	135-0B
3848.00	com	Composite sample - see table 3 e	9310	1592	737	165	6815	2330	6980	136-0B
3876.00	com	Composite sample - see table 3 e	10608	3595	861	140	6011	4456	6151	128-0B
3900.00	com	Composite sample - see table 3 e	10326	3543	1228	108	5445	4771	5554	129-0B

Table 3 c: Concentration of EOM and Chromatographic Fraction (mg/g TOC(e)) for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	EOM	Sat	Aro	Asph	NSO	HC	Non-HC	Sample
3625.00	com	Composite sample - see table 3 e	238.13	61.89	18.62	7.87	149.75	80.51	157.62	130-0B
3660.00	com	Composite sample - see table 3 e	257.55	58.02	26.42	8.02	165.09	84.43	173.11	131-0B
3702.00	com	Composite sample - see table 3 e	294.95	74.17	21.07	6.35	193.36	95.24	199.71	132-0B
3738.00	com	Composite sample - see table 3 e	326.70	104.96	28.26	4.61	188.87	133.22	193.48	133-0B
3756.00	com	Composite sample - see table 3 e	366.11	106.31	33.38	5.44	220.97	139.70	226.42	134-0B
3810.00	com	Composite sample - see table 3 e	410.37	89.58	8.51	6.51	305.78	98.09	312.28	135-0B
3848.00	com	Composite sample - see table 3 e	372.43	63.69	29.51	6.60	272.62	93.20	279.22	136-0B
3876.00	com	Composite sample - see table 3 e	337.85	114.51	27.43	4.47	191.44	141.94	195.91	128-0B
3900.00	com	Composite sample - see table 3 e	371.44	127.46	44.18	3.91	195.89	171.65	199.80	129-0B

Table 3 d: Composition of material extracted from the rock (%) for well NOCS 2/5-6

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	
3625.00	com	Composite sample - see table 3 e	25.99	7.82	3.30	62.89	33.81	66.19	332.39	51.08	130-0B
3660.00	com	Composite sample - see table 3 e	22.53	10.26	3.11	64.10	32.78	67.22	219.64	48.77	131-0B
3702.00	com	Composite sample - see table 3 e	25.15	7.14	2.15	65.56	32.29	67.71	352.05	47.69	132-0B
3738.00	com	Composite sample - see table 3 e	32.13	8.65	1.41	57.81	40.78	59.22	371.43	68.85	133-0B
3756.00	com	Composite sample - see table 3 e	29.04	9.12	1.49	60.36	38.16	61.84	318.48	61.70	134-0B
3810.00	com	Composite sample - see table 3 e	21.83	2.07	1.59	74.51	23.90	76.10	1052.94	31.41	135-0B
3848.00	com	Composite sample - see table 3 e	17.10	7.92	1.77	73.20	25.03	74.97	215.79	33.38	136-0B
3876.00	com	Composite sample - see table 3 e	33.89	8.12	1.32	56.66	42.01	57.99	417.39	72.45	128-0B
3900.00	com	Composite sample - see table 3 e	34.32	11.89	1.05	52.74	46.21	53.79	288.50	85.91	129-0B

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>
3605.00	3625.00	com	130-0B	is composed of:	3605.00	cut	Sh/Clst: gy blk to drk gy	058-4L
					3610.00	cut	Sh/Clst: gy blk to ol blk	059-4L
					3615.00	cut	Sh/Clst: gy blk to ol blk	060-3L
					3620.00	cut	Sh/Clst: gy blk to ol blk	061-3L
					3625.00	cut	Sh/Clst: gy blk to ol blk	062-3L
3630.00	3660.00	com	131-0B	is composed of:	3630.00	cut	Sh/Clst: gy blk to ol blk	063-3L
					3635.00	cut	Sh/Clst: gy blk to ol blk	064-3L
					3640.00	cut	Sh/Clst: gy blk to ol blk	065-3L
					3642.00	cut	Sh/Clst: gy blk to ol blk	066-3L
					3648.00	cut	Sh/Clst: gy blk to ol blk	067-1L
					3654.00	cut	Sh/Clst: gy blk to ol blk	068-1L
					3660.00	cut	Sh/Clst: gy blk to ol blk	069-1L
3666.00	3702.00	com	132-0B	is composed of:	3666.00	cut	Sh/Clst: gy blk to ol blk	070-1L
					3672.00	cut	Sh/Clst: gy blk to ol blk	071-1L
					3678.00	cut	Sh/Clst: gy blk to ol blk	072-1L
					3684.00	cut	Sh/Clst: gy blk to ol blk	073-1L
					3690.00	cut	Sh/Clst: gy blk to ol blk	074-1L
					3696.00	cut	Sh/Clst: gy blk to ol blk	075-1L
					3702.00	cut	Sh/Clst: gy blk to ol blk	076-1L

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>
3708.00	3738.00	com	133-0B is composed of:	3708.00	cut	Sh/Clst: gy blk to ol blk	077-1L
				3714.00	cut	Sh/Clst: gy blk to ol blk	078-1L
				3720.00	cut	Sh/Clst: gy blk to ol blk	079-1L
				3728.00	cut	Sh/Clst: gy blk to ol blk	080-1L
				3732.00	cut	Sh/Clst: gy blk to ol blk	081-1L
				3738.00	cut	Sh/Clst: gy blk to ol blk	082-1L
3744.00	3756.00	com	134-0B is composed of:	3744.00	cut	Sh/Clst: ol blk to drk gy	083-1L
				3750.00	cut	Sh/Clst: ol blk to drk gy	084-1L
				3756.00	cut	Sh/Clst: ol blk to drk gy	085-1L
3762.00	3810.00	com	135-0B is composed of:	3762.00	cut	Sh/Clst: drk gy to dsk y brn	086-1L
				3768.00	cut	Sh/Clst: drk gy to dsk y brn	087-1L
				3774.00	cut	Sh/Clst: drk gy to dsk y brn	088-1L
				3780.00	cut	Sh/Clst: drk gy to dsk y brn	089-1L
				3786.00	cut	Sh/Clst: drk gy to dsk y brn	090-1L
				3792.00	cut	Sh/Clst: drk gy to dsk y brn	091-1L
				3798.00	cut	Sh/Clst: drk gy to dsk y brn	092-1L
				3804.00	cut	Sh/Clst: drk gy to dsk y brn	093-1L
				3810.00	cut	Sh/Clst: drk gy to dsk y brn	094-1L
3818.00	3848.00	com	136-0B is composed of:	3818.00	cut	Sh/Clst: drk gy to dsk y brn	095-1L
				3822.00	cut	Sh/Clst: drk gy to dsk y brn	096-1L
				3828.00	cut	Sh/Clst: drk gy to dsk y brn	097-1L
				3832.00	cut	Sh/Clst: drk gy to dsk y brn	098-1L
				3840.00	cut	Sh/Clst: drk gy to dsk y brn	099-1L
				3844.00	cut	Sh/Clst: drk gy to dsk y brn	100-1L
				3848.00	cut	Sh/Clst: drk gy to dsk y brn	101-1L

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>
3856.00	3876.00	com	128-0B is composed of:	3856.00	cut	Sh/Clst: drk gy to dsk y brn	103-1L
				3860.00	cut	Sh/Clst: drk gy to dsk y brn	104-1L
				3868.00	cut	Sh/Clst: drk gy to dsk y brn	105-1L
				3872.00	cut	Sh/Clst: drk gy to dsk y brn	106-1L
				3876.00	cut	Sh/Clst: drk gy to dsk y brn	107-1L
3880.00	3900.00	com	129-0B is composed of:	3880.00	cut	Sh/Clst: drk gy to dsk y brn	108-1L
				3888.00	cut	Sh/Clst: drk gy to dsk y brn	109-1L
				3892.00	cut	Sh/Clst: drk gy to dsk y brn	110-1L
				3896.00	cut	Sh/Clst: drk gy to dsk y brn	111-1L
				3900.00	cut	Sh/Clst: drk gy to dsk y brn	112-1L

Table 4 : Saturated Hydrocarbon Ratios for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	Pristane	Pristane	Pristane + Phytane	Phytane	CPI	Sample
			nC17	Phytane	nC17 + nC18	nC18		
3625.00	com	bulk	0.56	1.47	0.53	0.49	1.21	130-0B
3660.00	com	bulk	0.62	1.32	0.58	0.54	1.21	131-0B
3702.00	com	bulk	0.62	1.41	0.57	0.51	1.18	132-0B
3738.00	com	bulk	0.64	1.35	0.60	0.55	1.29	133-0B
3756.00	com	bulk	0.68	1.36	0.64	0.58	1.13	134-0B
3810.00	com	bulk	0.56	1.43	0.53	0.49	1.15	135-0B
3848.00	com	bulk	0.54	1.54	0.50	0.46	1.14	136-0B
3876.00	com	bulk	0.52	1.54	0.49	0.44	1.24	128-0B
3900.00	com	bulk	0.50	1.69	0.47	0.42	1.30	129-0B

Table 5 : Aromatic Hydrocarbon Ratios for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	MNR	DMNR	BPhR	2/1MP	MPI1	MPI2	DBT/P	4/1MDBT	(3+2)/1MDBT	Sample
3625.00	com	bulk	0.66	1.77	0.09	0.97	0.81	0.81	0.47	13.87	1.63	130-0B
3660.00	com	bulk	0.67	1.73	0.08	0.91	0.79	0.77	0.51	10.85	1.53	131-0B
3702.00	com	bulk	0.72	1.79	0.08	0.93	0.82	0.80	0.52	11.82	1.67	132-0B
3738.00	com	bulk	1.12	2.17	0.14	0.97	0.89	0.84	0.65	13.94	2.06	133-0B
3756.00	com	bulk	1.12	2.41	0.14	1.01	0.88	0.86	0.59	14.20	1.78	134-0B
3810.00	com	bulk	-	2.89	0.06	1.09	0.98	0.97	0.72	11.44	1.78	135-0B
3848.00	com	bulk	0.78	2.41	0.06	0.99	0.82	0.80	0.52	12.30	1.82	136-0B
3876.00	com	bulk	1.00	2.64	0.07	1.02	0.87	0.85	0.54	12.95	1.98	128-0B
3900.00	com	bulk	1.05	2.80	0.09	1.06	0.82	0.79	0.49	12.26	1.57	129-0B

Table 6 : Thermal Maturity Data for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
1020.00	cut bulk	0.34	10	0.03	3+4	-	-	006-0B
1170.00	cut bulk	0.33	6	0.06	3+4	-	-	007-0B
1320.00	cut bulk	0.35	7	0.05	3+4	-	-	008-0B
1470.00	cut bulk	0.31	8	0.02	3+4	-	-	009-0B
1620.00	cut bulk	0.33	6	0.04	4	-	-	010-0B
1770.00	cut bulk	0.38	20	0.05	4	-	-	011-0B
1920.00	cut bulk	0.40	17	0.04	3+4	-	-	012-0B
2070.00	cut bulk	0.42	19	0.05	0	-	-	013-0B
2220.00	cut bulk	0.43	18	0.06	4	-	-	014-0B
2375.00	cut bulk	0.45	19	0.07	4	-	-	015-0B
2520.00	cut bulk	0.44	11	0.07	5	-	-	016-0B
2670.00	cut bulk	0.47	22	0.08	5	-	-	017-0B
2820.00	cut bulk	0.45	10	0.04	5	-	-	018-0B
2970.00	cut bulk	0.50	9	0.04	5	-	-	019-0B

Table 6 : Thermal Maturity Data for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3270.00	cut bulk	0.55	4	0.09	0	-	-	021-0B
3410.00	cut bulk	0.52	6	0.08	5	-	-	022-0B
3560.00	cut bulk	0.49	16	0.06	4+5+6	-	-	049-0B
3605.00	cut Sh/Clst: gy blk to drk gy	-	-	-	-	5	436	058-4L
3630.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5	435	063-3L
3642.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5	437	066-3L
3672.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5.5?	436	071-1L
3684.00	cut bulk	0.71	8	0.11	6	-	-	073-0B
3684.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	6?	436	073-1L
3696.00	cut bulk	0.55	15	0.04	5	-	-	075-0B
3702.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5.5 - 6	437	076-1L
3714.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5.5 - 6	435	078-1L
3728.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5.5	435	080-1L
3738.00	cut Sh/Clst: gy blk to ol blk	-	-	-	-	5.5	438	082-1L

Table 6 : Thermal Maturity Data for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ Lithology	Vitrinite Reflectance (%)	Number of Readings	Standard Deviation	Spore Fluorescence Colour	SCI	T _{max} (°C)	Sample
3750.00	cut Sh/Clst: ol blk to drk gy	-	-	-	-	5.5 - 6	432	084-1L
3768.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	5.5?	431	087-1L
3780.00	cut bulk	0.71	6	0.05	6	-	-	089-0B
3786.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	NDP (7-8)	434	090-1L
3804.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	NDP	435	093-1L
3822.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	NDP (7-8)	436	096-1L
3832.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	NDP	435	098-1L
3852.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	5.5	434	102-1L
3868.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	6	438	105-1L
3888.00	cut bulk	0.69	5	0.05	0	-	-	109-0B
3888.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	6	437	109-1L
3892.00	cut Sh/Clst: drk gy to dsk y brn	-	-	-	-	6?	437	110-1L
3900.00	cut bulk	0.71	24	0.08	6+7	-	-	112-0B
3912.00	cut siltst : brn gy	-	-	-	-	NDP	427	113-2L

Table 7 : Visual Kerogen Composition Data for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C	D	I	S	I	M	S	V	C	V	A	Sample										
			P	m	i	p	u	R	A	N	F	e	n	i	c	I	T		o	i								
			T	r	D	P	i	s	g	o	r	t	R	s	F	D	r	e	t	R	e	l	l	D	r	t	V	V
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	i	n	t	V	V		
3605.00	cut	Sh/Clst: gy blk to drk gy	40	*	*	**		*	*	?		20	?	**	*				40	*	*	**				058-4L		
3630.00	cut	Sh/Clst: gy blk to ol blk	40	*	*	**		*	*			20	?	**	*				40	*	*	**				063-3L		
3642.00	cut	Sh/Clst: gy blk to ol blk	40	*	*	**		*	*			20		**	*				40	*	*	**				066-3L		
3672.00	cut	Sh/Clst: gy blk to ol blk	30	*	*	**						30	*	**	**				40	*	*	*				071-1L		
3684.00	cut	Sh/Clst: gy blk to ol blk	30	*	*	**						35	*	**	**				35	*	*	*				073-1L		
3702.00	cut	Sh/Clst: gy blk to ol blk	25		*	*						35		*	*				40		*	*				076-1L		
3714.00	cut	Sh/Clst: gy blk to ol blk	25		*	*						35		*	*				40		*	*				078-1L		
3728.00	cut	Sh/Clst: gy blk to ol blk	30		*	**		?	*			30		*	*				40	*	*	*				080-1L		
3738.00	cut	Sh/Clst: gy blk to ol blk	30		*	**		?	*			30		*	*				40	*	*	*				082-1L		
3750.00	cut	Sh/Clst: ol blk to drk gy	20	*	**	*						30		*	*				50		*	*				084-1L		
3768.00	cut	Sh/Clst: drk gy to dsk y brn	20	*	**	*						20		*	*				60		*	*				087-1L		
3786.00	cut	Sh/Clst: drk gy to dsk y brn	10		*	*						20		**	*				70	*	*	*				090-1L		
3804.00	cut	Sh/Clst: drk gy to dsk y brn	10		*	**						35	*	**	*				55	*	**	*				093-1L		

Table 7 : Visual Kerogen Composition Data for well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	L	A	L	S	C		D	I	S	I	M	S	V	C	V	A								
			P	m	i	p	u	R	A	n	F	e	n	i	c	I	T	o	i	m	B					
			T	r	D	P	i	s	g	e	f	D	r	e	R	e	l	d	r							
			%	L	t	l	l	n	e	l	t	L	%	n	s	t	n	o	I	%	n	n	t	V	V	Sample
3822.00	cut	Sh/Clst: drk gy to dsk y brn	15	*	*				*	30	*	**	*		55		*	**							096-1L	
3832.00	cut	Sh/Clst: drk gy to dsk y brn	15	*	*				*	30	*	**	*		55		*	**							098-1L	
3852.00	cut	Sh/Clst: drk gy to dsk y brn	15	*	*					20	*	**	**		65		*	**							102-1L	
3868.00	cut	Sh/Clst: drk gy to dsk y brn	10	*	*					20		**	*		70		*	*							105-1L	
3888.00	cut	Sh/Clst: drk gy to dsk y brn	10	**	*					15		*	*		75		*	**							109-1L	
3892.00	cut	Sh/Clst: drk gy to dsk y brn	5	*	*					10			*		85		*	*							110-1L	
3912.00	cut	Sltst : brn gy	NDP							NDP					NDP										113-2L	

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3580.00	cut	Sh/Clst: gn gy, ol gy, m gy, drk y brn, dsk y brn	4.62	21.37	50.43	23.58	1.72	053-1L
3605.00	cut	Sh/Clst: gy blk to drk gy	2.70	10.83	37.98	48.48	8.46	058-4L
3610.00	cut	Sh/Clst: gy blk to ol blk	3.00	11.26	41.24	44.51	6.59	059-4L
3615.00	cut	Sh/Clst: gy blk to ol blk	2.51	8.86	39.79	48.84	8.10	060-3L
3620.00	cut	Sh/Clst: gy blk to ol blk	2.78	10.75	40.10	46.37	8.07	061-3L
3625.00	cut	Sh/Clst: gy blk to ol blk	2.64	10.21	39.30	47.86	8.32	062-3L
3630.00	cut	Sh/Clst: gy blk to ol blk	2.59	8.37	39.47	49.57	11.08	063-3L
3635.00	cut	Sh/Clst: gy blk to ol blk	2.25	8.47	37.35	51.93	11.94	064-3L
3640.00	cut	Sh/Clst: gy blk to ol blk	3.08	11.34	42.54	43.04	10.01	065-3L
3642.00	cut	Sh/Clst: gy blk to ol blk	2.17	9.48	35.46	52.89	11.72	066-3L
3648.00	cut	Sh/Clst: gy blk to ol blk	2.44	8.57	38.59	50.40	10.11	067-1L
3654.00	cut	Sh/Clst: gy blk to ol blk	2.56	10.61	40.82	46.01	8.29	068-1L
3660.00	cut	Sh/Clst: gy blk to ol blk	2.62	10.37	41.06	45.94	8.54	069-1L
3666.00	cut	Sh/Clst: gy blk to ol blk	2.64	9.08	40.36	47.93	9.40	070-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3678.00	cut	Sh/Clst: gy blk to ol blk	3.06	11.54	40.58	44.81	6.27	072-1L
3684.00	cut	Sh/Clst: gy blk to ol blk	2.67	9.18	41.89	46.26	8.25	073-1L
3690.00	cut	Sh/Clst: gy blk to ol blk	2.29	8.57	38.63	50.51	7.81	074-1L
3696.00	cut	Sh/Clst: gy blk to ol blk	2.42	10.21	38.64	48.74	6.98	075-1L
3702.00	cut	Sh/Clst: gy blk to ol blk	2.76	11.75	42.45	43.04	7.08	076-1L
3708.00	cut	Sh/Clst: gy blk to ol blk	3.73	15.71	48.31	32.26	6.56	077-1L
3720.00	cut	Sh/Clst: gy blk to ol blk	3.08	14.84	42.50	39.58	7.41	079-1L
3728.00	cut	Sh/Clst: gy blk to ol blk	2.71	11.97	38.73	46.59	8.73	080-1L
3732.00	cut	Sh/Clst: gy blk to ol blk	2.78	10.80	39.48	46.94	8.06	081-1L
3738.00	cut	Sh/Clst: gy blk to ol blk	2.75	12.68	40.83	43.74	7.57	082-1L
3750.00	cut	Sh/Clst: ol blk to drk gy	3.24	12.78	43.97	40.01	4.87	084-1L
3756.00	cut	Sh/Clst: ol blk to drk gy	3.31	12.07	42.34	42.28	5.05	085-1L
3762.00	cut	Sh/Clst: drk gy to dsk y brn	3.88	17.56	44.18	34.39	2.91	086-1L
3768.00	cut	Sh/Clst: drk gy to dsk y brn	3.32	14.86	40.65	41.18	3.84	087-1L
3774.00	cut	Sh/Clst: drk gy to dsk y brn	3.35	15.57	40.34	40.74	3.21	088-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3780.00	cut	Sh/Clst: drk gy to dsk y brn	3.70	16.72	43.42	36.16	3.14	089-1L
3792.00	cut	Sh/Clst: drk gy to dsk y brn	3.90	14.98	43.51	37.62	3.95	091-1L
3804.00	cut	Sh/Clst: drk gy to dsk y brn	3.72	15.87	42.92	37.49	3.43	093-1L
3810.00	cut	Sh/Clst: drk gy to dsk y brn	3.39	13.90	41.46	41.24	3.98	094-1L
3818.00	cut	Sh/Clst: drk gy to dsk y brn	4.12	16.86	45.05	33.97	4.44	095-1L
3822.00	cut	Sh/Clst: drk gy to dsk y brn	3.87	12.85	44.28	39.01	4.33	096-1L
3832.00	cut	Sh/Clst: drk gy to dsk y brn	3.21	11.89	38.49	46.41	5.56	098-1L
3840.00	cut	Sh/Clst: drk gy to dsk y brn	3.12	13.07	38.08	45.74	5.67	099-1L
3844.00	cut	Sh/Clst: drk gy to dsk y brn	2.43	11.86	37.55	48.16	5.66	100-1L
3848.00	cut	Sh/Clst: drk gy to dsk y brn	3.65	15.88	45.38	35.10	4.96	101-1L
3852.00	cut	Sh/Clst: drk gy to dsk y brn	7.83	11.09	37.45	43.63	6.69	102-1L
3860.00	cut	Sh/Clst: drk gy to dsk y brn	2.49	9.91	35.49	52.11	6.45	104-1L
3868.00	cut	Sh/Clst: drk gy to dsk y brn	2.69	13.61	37.34	46.36	5.61	105-1L
3876.00	cut	Sh/Clst: drk gy to dsk y brn	2.93	13.25	39.18	44.64	6.36	107-1L
3888.00	cut	Sh/Clst: drk gy to dsk y brn	2.21	9.67	35.78	52.34	8.22	109-1L

Table 8 : Pyrolysis GC Data (S2 peak) as Percentage of Total Area for Well NOCS 2/5-6

Depth unit of measure: m

Depth	Typ	Lithology	C1	C2-C5	C6-C14	C15+	S2 from Rock-Eval	Sample
3892.00	cut	Sh/Clst: drk gy to dsk y brn	3.14	15.29	40.35	41.23	3.97	110-1L
3896.00	cut	Sh/Clst: drk gy to dsk y brn	3.07	14.84	43.10	39.00	4.93	111-1L
3900.00	cut	Sh/Clst: drk gy to dsk y brn	2.91	14.18	40.81	42.10	4.11	112-1L
3912.00	cut	Sltst : brn gy	3.94	18.38	40.45	37.24	2.11	113-2L

Table 9: Variation in Triterpane Distribution for Well NOCS 2/5-6

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%		
3625.00	Sh/Clst	1.42	0.59	0.16		0.38	0.28	0.12	-	-	-	0.08	0.90	0.28	0.11	57.14	130-0	
3702.00	Sh/Clst	1.55	0.61	0.16		0.36	0.27	0.10	-	-	-	0.10	0.91	0.27	0.10	54.55	132-0	
3756.00	Sh/Clst	1.56	0.61	0.19		0.37	0.27	0.17	-	-	-	0.63	0.93	0.27	0.07	51.72	134-0	
3848.00	Sh/Clst	1.40	0.58	0.20		0.38	0.28	0.21	-	-	-	0.70	0.89	0.28	0.13	55.56	136-0	
3900.00	Sh/Clst	1.35	0.57	0.21		0.61	0.38	0.09	0.08	0.13	0.08	0.36	0.86	0.37	0.14	58.97	129-0	

Table 10: Variation in Sterane Distribution for Well NOCS 2/5-6

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>
3625.00	Sh/Clst	0.79	47.06	64.34	1.37	0.66	0.36	0.29	130-0
3702.00	Sh/Clst	0.75	50.00	71.74	0.94	0.72	0.37	0.26	132-0
3756.00	Sh/Clst	0.81	60.00	73.68	1.46	0.70	0.73	0.63	134-0
3848.00	Sh/Clst	0.84	53.33	71.70	1.13	0.70	0.75	0.64	136-0
3900.00	Sh/Clst	0.61	45.95	74.83	0.97	0.76	0.53	0.41	129-0

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 2/5-6

Depth unit of measure: m

<u>Depth</u>	<u>Lithology</u>	<u>Ratio1</u>	<u>Ratio2</u>	<u>Sample</u>
3625.00	Sh/Clst	0.58	0.74	130-0
3702.00	Sh/Clst	0.55	0.80	132-0
3756.00	Sh/Clst	0.50	0.80	134-0
3848.00	Sh/Clst	0.47	0.83	136-0
3900.00	Sh/Clst	0.51	0.78	129-0

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

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

Table 12: Variation in Triaromatic Sterane Distribution for Well NOCS 2/5-6

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>
3625.00	Sh/Clst	0.47	0.38	0.22	0.23	0.32	130-0
3702.00	Sh/Clst	0.46	0.42	0.26	0.24	0.40	132-0
3756.00	Sh/Clst	0.68	0.59	0.43	0.43	0.60	134-0
3848.00	Sh/Clst	0.73	0.67	0.50	0.49	0.65	136-0
3900.00	Sh/Clst	0.47	0.45	0.25	0.23	0.35	129-0

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 2/5-6

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>
3625.00	Sh/Clst	0.37	0.20	0.22	0.16	130-0
3702.00	Sh/Clst	0.47	0.31	0.30	0.21	132-0
3756.00	Sh/Clst	0.67	0.49	0.50	0.35	134-0
3848.00	Sh/Clst	0.77	0.52	0.62	0.41	136-0
3900.00	Sh/Clst	0.53	0.34	0.33	0.24	129-0

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

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